B&H
PHOTO - VIDEO - PRO AUDIO

The AVPresentation SourceBook

Section 2

Projectors

Obtaining information and ordering from B&H is quick and easy. When you call us, just punch in the corresponding Quick Dial number anytime during our welcome message. The Quick Dial code then directs you to the specific professional sales associates in our order department.

For Section 2, Projectors
use Quick Dial #: 821

1600 SERIES OVERHEAD PROJECTORS

1608 • 1620 • 1650

Rugged and economically priced without sacrificing features, the 1600 Series is specially designed for the budget sensitive, education market.

The 1608 is low in cost, but delivers clear, bright images in classrooms and presentations. 2,000 lumens of brightness enhance visuals even when room lights are on. Extra sturdy construction delivers years of reliable use.

When the visuals in your lectures and presentations demand higher quality, the open triplet projection head on the 1620 provides sharp, defined images at a very affordable price.

For extremely high quality visual presentations, the 1650 steps up with 3,400 lumens of brightness projected through a three element head for maximum visual clarity.

◆ Open singlet (1608) or triplet (1620 and 1650) projection head for easy cleaning.

◆ 2000 (1608); 2100 (1620) and 3400 (1650) lumens enhance your visuals even with the lights on.

◆ No assembly required.

◆ 11.25" x 11.25" staging area gives you room to maximize your message.

◆ Lamp changer for instant bulb replacement.

◆ Fold-down post allows easy storage.

◆ Low setting generally lengthens lamp life.

◆ High/Low switch provides options for lamp brightness.

◆ Color Tuning dial gives you the ability to adjust the clarity and the whiteness of the screen.

◆ 2 Year Warranty.

1700 SERIES OVERHEAD PROJECTORS

1711 • 1730 • 1740 • 1780

Affordable projectors for any budget. Become more productive without blowing your budget with the 3M 1700 Series overhead projectors. Perfect for educators and small businesses where cost is a major concern. The 1711 Plus is engineered for durability with hardened, break resistant stage glass. The durable stage glass can result in less maintenance, interruptions and repair expenses. An open singlet projection head makes the 1711 Plus easy to focus and clean, while 2,500 lumens of light is designed to make your images clear.

The 1730 Plus steps up with an articulating closed singlet projection head for screen location flexibility and extra lens and mirror protection. The 1730 Plus also has a built-in pen tray for convenient storage. The 1740 Plus (open singlet projection head) and the 1780 Plus (closed projection head) both offer a lamp changer feature that lets you flip one switch for instant bulb replacement.

◆ Open singlet projection head for easy cleaning (1711, 1740).

◆ Closed projection head to protect mirror and keep dust away from the optical surfaces (1730, 1780).

◆ Hardened stage glass is retained by clips for easy replacement.

◆ 2,500 lumens enhance your visuals.

◆ 10" x 10" staging area offers plenty of room for big ideas.

◆ In-circuit resistor to extend lamp life.

◆ Easy-to-locate on/off button and focus knob design.

◆ 10' power cord and tangle-free cord storage.

◆ 1730 and 1780 Plus have a built-in pen tray for convenient storage.

◆ 1780 Plus lets you flip a switch for instant bulb replacement.

◆ Three-year parts and labor warranty.

1800 SERIES OVERHEAD PROJECTORS

They all feature:

- ◆ Chemically-hardened stage glass is retained by clips for easy replacement.
- ◆ Dual element fresnel lens for a sharper screen image.
- ◆ Built-in resistor to extend lamp life.
- ◆ 10.5" x 10.5" staging area gives you room to maximize your message.

- ◆ Convenient fold-down post makes for easy storage. And all except the 1810/1825/1830 also have a convenient carrying handle.
- ◆ All except the 1810/1825/1830 have a high/low lamp switch for high brightness or extended lamp life
- ◆ 15' power cord and tangle-free storage.

- ◆ Built-in pen tray for convenient storage.
- ◆ 1810 Plus, 1830 Plus, 1860 Plus, 1880 Plus offer 2,700-lumen light output; the 1825 Plus, 1865 Plus, 1885 Plus offer 3,600 lumens to enhance visuals even with room lights on for note taking.
- ◆ 5-year limited warranty on parts and labor

1860 Plus • 1865 Plus

The clear choice for presenters worldwide, the 1860 Plus is engineered for durability with a chemically-hardened, break-resistant stage glass, which results in less maintenance, interruptions and repair expenses. It features an articulating closed-singlet wide-angle lens for crisp, detailed images kept sharply focused by a rack-and-pinion mechanism. The handsomely styled 1860 Plus packs a 2,700-lumen punch for brilliant images. The 1865 Plus steps-up with 3,600 lumens and a unique color-tuning dial that eliminates blue or brown corners. Two lamp settings let you switch between high and low for crisp B&W text and vivid color images. Both come with a five-year warranty on parts and labor.

1810 Plus • 1825 Plus • 1830 Plus

The 1810 Plus is engineered for durability with a chemically-hardened, break-resistant stage glass. The durable stage glass can result in less maintenance, interruptions and repair expenses. The 1810 Plus offers an open-singlet wide-angle lens and 2,700 lumens of light output for vivid images, even in lighted rooms. Combines the smoothness of elegant board-room styling with rugged classroom functionality at an affordable price, without sacrificing image quality. Comes with a five-year warranty on parts and labor.
The 1830 Plus has a closed-head design and articulating closed-doublet lens for uniform focus and sharpness. It also includes a lamp ejector that makes replacing lamps simple, and a thermostat that prevents overheating. The 1825 Plus steps-up from the 1830 Plus with 3,600 lumens of brightness and a high-to-low dimmer switch that conserves lamp life.

1880 Plus • 1885 Plus

The 1880 Plus and 1885 Plus are engineered for durability with a chemically-hardened, break-resistant stage glass. The durable stage glass can result in less maintenance, interruptions and repair expenses. They come with an articulating closed-doublet lens for especially crisp screen images that make a lasting impression. There's a color-tuning dial for edge-to-edge brightness, and high-to-low intensity switch that adjusts from 2,700 to 3,000 lumens on the 1880 Plus and 3,600 to 4,000 lumens on the 1885 Plus. They come with a five-year warranty on parts and labor.

3M

PX5

1300 Lumens XGA DLP Projector

The PX5 is an ultra portable and light DLP projector with incredible brightness and vibrant colors. Extremely versatile, it can be used on the road, in the office, or at home. Only 2.9 pounds, the projector provides sharp XGA resolution, while producing a high brightness of 1300 lumens and high contrast ratio of 2000:1 contrast ratio for presentations that are nothing short of extraordinary. HDTV-ready, the plug-and-play PX5 is also very easy to operate. For added convenience, It offers superior security features with password protection and anti-theft lock, and includes three power cables — one each for the US, UK, and mainland Europe. Has a 1.2x digital zoom, 1-watt audio speaker and supports both 4:3 and 16:9 aspect ratios. Depending on the size of your venue, it can project an image ranging from 40" to 300" (diagonal) with keystone correction. Comes complete cables, remote control, carrying case, and a 3-year warranty (one year on the lamp).

FEATURES

High Quality

◆ To deliver a sharp, clear picture, the DLP display affords RGB color fidelity and inconspicuous gaps between the individual dots, permitting the display of small characters and diagrams with distinct clarity.

◆ Use of a new DMD devices has given birth to an amazing 2000:1 high contrast ratio. By widening the difference of brightness between black and white, you can see a degree of sharpness that is greater than just the brightness based on specifications.

◆ With a brightness of 1300 ANSI lumens you can project in bright rooms and on to screens with up to a 200" viewable area

◆ Contains a "dual color mode" (DCM) function, the first for a small-sized projector. The use of two color wheels permits optimum color combination to suit the scene, resulting in greatly improved color reproduction. Use 'Dynamic' mode when you want to prioritize brightness, use 'Vivid' mode when you want to prioritize color.
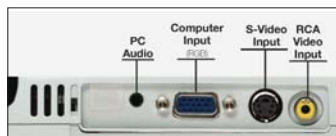
Rear view of the PX5

High Performance

◆ Iris lens cover and automatic vertical keystone permit speedy setup and projection. After the presentation is finished, just switch off the power of the projector and the Quick-Off function allows it to soon be moved to another location. It also offers manual keystone adjustment.

◆ In standard mode, fan noise is 40dB. In whisper mode (38dB) the low fan noise allows the projector to communicate for hours without fatigue.

◆ Operates on 120/220v and is compatible with NTSC, NTSC4.43, PAL, PAL-M, PAL-N and SECAM video standards for worldwide use. Also HDTV compatible, it accepts 480i, 480p, 720p and 1080i resolution signals.

◆ Security lock function allows a lock to be set so that a password must be input when the projector is started, protecting it from unauthorized use. Without the password, no operations can be performed.

◆ Eco-mode switch for the lamp output lets you extend the life of the 130-watt lamp to over 2,000 hours and lower the power consumption. By switching the lamp mode to suit your operating environment, you save on lamp cost and conserve energy.

Conveniences

◆ For convenience the Automatic Adjustment function automatically adjusts the position shift, screen size, vertical stripes, and color infidelity of the projected RGB input signal.

◆ For further convenience, there is a built-in "Presentation Timer" function. The presentation is given while checking the timer displayed on the screen. The gauge display allows the remaining time to be known at a glance. Setting are "Off" and from 10 to 60 minutes (in 10-minute intervals).

Supplied Accessories

◆ Comes with exceptional 3-year warranty for the projector and 90-days for the lamp.

◆ Includes three power cords (for use in USA, UK and Europe), RGB computer cable, remote control, CD and carrying case.

S15 • X15

1500 ANSI Lumens SVGA and XGA LCD Projectors

Deliver a touch of brilliance to any presentation with these SVGA (S15) or XGA (X15) projectors. Featuring a contrast ratio of 300:1, brightness of 1500 lumens and weighing only 4.9 lbs, they offer portability and performance, while delivering presentations that are nothing short of extraordinary. Easy to operate, they are ideal for smaller rooms in the office, where they create lasting impressions.

In additional to be being HDTV-ready, they accept a wide range of input sources and signals.

They have a 1.2x digital zoom, built-in 1-watt speaker, and support both 4:3 and 16:9 aspect ratios. They can project an image ranging from 40" to 200" (diagonal) with keystone correction, are backed by a 3-year warranty (one year on the lamp) and come complete with cables, and a remote control.

◆ LCD technology allows multiple colors to be reproduced all the time resulting in color saturation that does not vary with image brightness - always get bright, vibrant color.

◆ Crisp, ultra-bright presentations is achieved by using a 165w UHB (ultra high brightness) lamp and a highly efficient optical system.

◆ 4x magnification function allows parts of images to be magnified for closer viewing.

◆ They can memorize 4 settings via MY MEMORY function.

◆ With a brightness of 1500 lumens you can project in bright rooms and onto screens with up to a 200" viewable area.

◆ Whisper Mode reduces projector noise and allows the projector to communicate for hours without tiring the audience.

◆ Digital vertical keystone adjustment (±15°) is available so that you always project a square, undistorted picture to your audience

◆ RS-232 port for external control of the projectors

◆ They run on 120/220v and are compatible with NTSC, NTSC4.43, PAL, PAL-M, PAL-N and SECAM video standards for worldwide use. Also HDTV compatible, they accept 480i, 480p, 720p and 1080i resolution signals.

◆ Lock port for physical locking with an optional security cable such as Kensington

◆ Include power cords for use in USA, UK and Europe, RGB computer cable and remote control. Come with 3-year warranty for the projector and 90-days for the lamp.

S55i • X55i

2000 ANSI Lumens SVGA and XGA LCD Projectors

Take your presentation to a new level with a sophisticated design. With incredible brightness and full-featured functionality, the S55i (SVGA) and X55i (XGA) can be used on the road, in the office or at home. They feature 2000 lumens, vertical keystone correction, manual zoom & focus lens, and 400:1 contrast ratio with sophisticated styling.

Same features as the S15 and X15 (respectively), PLUS—

◆ With a brightness of 2000 lumens you can project in bright rooms and onto screens from 30" to 300".

◆ 400:1 contrast ratio

◆ 1.2x manual zoom and focus lens

◆ Two RBG inputs/one output; two audio inputs/one output; and component input for DVD players

◆ USB mouse emulation

◆ Customizable start-up screen

◆ Progressive scan provides sharper images

◆ Cinema setting optimizes projection images for movies

◆ Easy menu provides all adjustments at one level

Heavy-duty security bar

X68

XGA 2500 ANSI Lumen LCD Meeting Room Projector

A great blend of power and performance, the X68 features XGA (1024 x 768) resolution, brightness of 2500 lumens, 400:1 contrast ratio, 1.2x manual zoom and focus lens , and a wide variety of computer and video inputs/outputs, making it ideal for medium-sized rooms. HDTV compatible, the X68 also features customizable start-up screen, ±15° vertical keystone correction, whisper mode and component video input.

◆ 230W UHB (Ultra High Brightness) lamp gives you a higher brightness image on a screen. The image can be still kept as bright and clean enough for use in bright rooms.

◆ Ideal for use when you are projecting in an area where the lighting can't be controlled, or when you are projecting on to a large screen. With a brightness of 2500 lumens you can project in bright rooms and on to screens with up to a 300" viewable area.

◆ Digital vertical keystone adjustment (±15°) is available so that you always project a square, undistorted picture to your audience

◆ 400:1 contrast ratio

◆ 1.2x manual zoom and focus lens

◆ Whisper mode reduces acoustic noise to realize quieter operation. Ideal for use in low luminance rooms where low noise is more important than brightness.

◆ HDTV compatible, it accepts 480i, 480p, 720p and 1080i resolution signals.

◆ Cinema setting optimizes projection images for movies

◆ 4x magnification function allows parts of images to be magnified for closer viewing.

◆ Two RBG inputs/one output; two audio inputs/one output; component input for DVD players; and RS-232 port for external projector control

◆ Runs on 120/220v and is compatible with NTSC, NTSC4.43, PAL, PAL-M, PAL-N and SECAM video standards for worldwide use.

◆ Includes power cords for use in USA, UK and Europe, an RGB computer cable and a remote control. The X68 comes with a 3-year warranty for the projector and a 90-day warranty for the lamp.

X75

XGA 2500 ANSI Lumen LCD Networkable Projector

Sleek and stylish, the X75 is packed with features and versatile connections. Its programmable memory function allows you to recall menu preferences, and you can automatically adjust vertical keystone, search for inputs, and make all picture adjustments with the touch of one button. Its HDCP compatible DVI port provides connectivity to HDCP DVD players and set-top boxes. It also features horizontal and vertical keystone correction, mouse emulation, 3:2 pull-down and has four built-in 3-watt speakers.

Step-up features from the X68—

◆ Programmable memory function allows you to recall menu preferences

◆ Remote control with built-in laser pointer

◆ USB mouse emulation

◆ The X75 can be connected to a computer network it's built-in ethernet port and supplied software for remote management and control capabilities. Projector functions such as power status, lamp status, input mode, signal condition, lamp-use time, etc. can be monitored. When problems such as a lamp failure or power failure occur, an e-mail alert message can be sent.

Computer connections include two RGB inputs/one output, USB port for mouse emulation, HDCP compatible DVI-D port, audio input/output and RES-232 control. Video connections include component, composite and S-Video and R/L audio.

X80

4500 Lumens XGA LCD Networkable Projector

Styled by Pininfarina, the same people who've designed Ferrari cars for the past 50 years, the sleek X80 is an installation projector that is recommended for larger sized rooms and auditoriums. It offers XGA resolution and incredible brightness of 4500 lumens. And since, generally, a better quality of a picture is available when the lens shift is set to the center, the projector features electronic lens shift. The X80 also incorporates horizontal and vertical keystone correction as well as network capability with built-in ethernet port. For convenience, the projector has an Input Dial, that lets you cycle through all the inputs, so you can easily select the signal you wish to project. The projector is also available with a short throw lens (X80S) and long throw lens (X80L).

FEATURES

◆ The projector's stunning design makes your presentation look the best. 3M commissioned Pininfarina - the creative force behind the famed Ferrari design for more than 50 years - to design the projector.

◆ Offers native XGA (1024 x 768) resolution without compression or lost pixels. Also supports computers up to SXGA (1280 x 1024) and UXGA (1600 x 1200) resolutions.

◆ To reproduce highly detailed and bright images, it offers super bright 4500 ANSI lumens and contrast ratio of 750:1 to ensure that images are sharp, crisp and easy to see.

◆ Optical Lens Shift allows the lens of the projector to be shifted vertically. This lets you finely adjust the picture position.

◆ 310w UHB (Ultra High Brightness) lamp gives you a higher brightness image on a screen. The image can be still kept as bright and clean enough for use in bright rooms.

◆ Equipped with power 1.5x powered zoom and focus lens. With this lens you can project onto a 40" to 500" (diagonal) screen from from 4' to 51' away.

◆ Keystone correction (horizontal ±5°, vertical ±15°) feature compensates for angled projector placement by digitally altering the pixels to produce undistorted images.

◆ Runs on 120/220v and is compatible with NTSC, NTSC4.43, PAL, PAL-M, PAL-N and SECAM video standards for worldwide use.

◆ Mouse emulation, presentation timer

◆ Remote Control ID feature for when you are using two or three of the same type projectors at the same time.

◆ Whisper Mode reduces projector noise level to 36dB with a minimal reduction in brightness and a customizable start up screen.

◆ Includes Auto off, 4x digital magnification, Blank, and Picture-in-Picture. You can also select the display position of the PiP window. PIP is only available when an RGB signal is selected to the main screen.

◆ The X80 can be connected to a computer network via it's built-in ethernet port and supplied software for remote management and control capabilities. Projector functions such as power status, lamp status, input mode, signal condition, lamp-use time, etc. can be monitored. When problems such as a lamp failure or power failure occur, an e-mail alert message can be sent.

◆ Connections include one RGB input/output, M-1D input, RGB/component (5 BNCs), two audio inputs/one output, RS-232 control port, RJ-45 for networking, composite, component and S-Video.

◆ Includes power cords for use in USA, UK and Europe, RGB computer and M1-D cables, full function remote control with integrated laser pointer. Comes with 3-year warranty for the projector and 90-days for the lamp.

Selecting an Input Signal
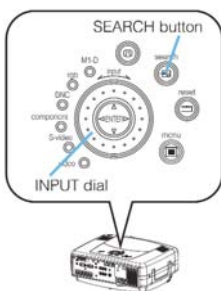
◆ Turn the INPUT dial of the projector and cycle through the input ports (M1-D, RGB, BNC, composite, S-Video, component) Select the signal you wish to project.

◆ Pressing the SEARCH button of the projector or remote control automatically cycles through input ports and displays the picture of retrieved signal.

◆ Press the RGB button of the remote control to toggle between the RGB ports (M1-D, RGB and BNC).

◆ Press the VIDEO button of the remote control to toggle between the video ports (component, composite, S-Video).

SEARCH button

INPUT dial

3M PROJECTOR SPECIFICATIONS

	PX5	S15 / X15	S55i / X55i	X68	X75	X80
Typical Brightness	1300 lumens	1500 lumens	2000 lumens	2500 lumens	3200 lumens	4500 lumens
Native Resolution	XGA (1024 x 768)	S15: SVGA (800 x 600) X15: XGA (1024 x 768)	S55i: SVGA (800 x 600) X55i: XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)
Maximum Resolution	UXGA: (1600 x 1200)	UXGA: (1600 x 1200)	UXGA: (1600 x 1200)	SXGA: (1280 x 1024)	UXGA: (1600 x 1200)	UXGA: (1600 x 1200)
Aspect Ratio	4:3 native, 16:9	4:3 native, 16:9	4:3 native, 16:9	4:3 native, 16:9	4:3 native, 16:9	4:3 native, 16:9
Colors	16.7 million	16.7 million	16.7 million	16.7 million	16.7 million	16.7 million
Screen Size (Range)	26-300"	40-200"	30-301"	30-300"	30-300"	40-500"
Digital Zoom	1.2 x	1.2 x		4x	4x	4x
Projection Lens	f2.6-2.9	S15: f1.65 x15: f1.77	f1.7-1.9	f1.7-1.9	f1.7-2.1	f1.7-2.4
Peak Contrast Ratio	2000:1	300:1	400:1	400:1	400:1	750:1
Lamp	130W UHB	165w UHB	180w	230w UHB	230w UHB	310w UHB
Average Lamp Life	2000 hours	2000 hours	2000 hours	2000 hours	2000 hours	1000 hours
Video Compatibility	NTSC, NTSC 4.43, PAL, PAL-M, PAL-N, SECAM	NTSC, NTSC 4.43, PAL, PAL-M, PAL-N, SECAM	NTSC, NTSC 4.43, PAL, PAL-M, PAL-N, SECAM	NTSC, NTSC 4.43, PAL, PAL-M, PAL-N, SECAM	NTSC, NTSC 4.43, PAL, PAL-M, PAL-N, SECAM	NTSC, NTSC 4.43, PAL, PAL-M, PAL-N, SECAM
HDTV	480i, 480p, 720p, 1080i	480i, 480p, 525i, 525p, 720p, 1080i	480i, 480p, 525i, 525p, 720p, 1080i	480i, 480p, 525i, 525p, 720p, 1080i	480i, 480p, 525i, 525p, 720p, 1080i	480i, 480p, 525i, 525p, 720p, 1080i
Audio	1x 1w	1x 1w	1x 1w	1x 1w	3w x 4	1w x 2
Normal Noise Level	40 dBA	38 dBA	38 dBA	38 dBA	39 dBA	40 dBA
Horizontal Scan	15 - 68.7 kHz	31.5 - 91 kHz	31.5 - 106 kHz	31-106 kHz	15-91 kHz	31.5 - 91 kHz
Vertical Scan	50 - 85 Hz	56 -120 Hz	56 -120 Hz	56 -120 Hz	50 -120 Hz	60 - 120 Hz
Power Consumption	190w	240w	290w	370w	410w	430w
Dimensions (WHD)	7.3 x 1.8 x 6.9"	11.2 x 2.9 x 7.9"	12 x 3.3 x 9.8"	13.2 x 3.7 x 10.4"	13.6 x 10.4 x 3.7"	16.5 x 5.9 x 13.2"
Weight	2.86 lbs	4.9 lbs	6.4 lbs.	7.7 lbs.	8.8 lbs.	17 lbs.

Projector Accessories

Ceiling Mount Kit
Available for the S15 *(3MCMS15)*, X15 *(3MCMS15X15)*, S55i/X55i *(3MCM55I)*, X68 *(3MCM75X68)*, X75 *(3MCMX75)* and X80 ....**227.95**

26" - 47" Adjustable Extension for Ceiling Mount *(3MCMEKS10S40)*
For X68 and X75 ceiling mounts **169.95**

26" - 47" Adjustable Extension for Ceiling Mount
For X80 ceiling mount..**Call**

Soft Carry Case *(3MCC104050)*
With shoulder strap. Holds an S15, X15, S55i or X55i projector and a notebook computer....**62.50**

Soft Rolling Luggage Case *(3MSSC104050)*
Holds an S15, X15, S55i or X55i projector and a notebook computer ....**Call**

Soft Rolling Luggage Case *(3MCWMP8670)*
Holds an X68, X75 or X80 projector and a notebook computer.............................**159.95**

ATA Rolling Hard Shipping Case *(3MHSC104050)*
A rugged with durable tilt wheels. For a S55i or X55i projector................................**Call**

ATA Rolling Hard Shipping Case *(3MHSC7080)*
For an X75 or X80 projector..............**416.50**

PROJECTOR SCREENS

Wall Mount Projection Screens

Ideal for a variety of display applications in the meeting room or classroom, 3M Wall Mount Projection Screens are available in 4 sizes, and are a perfect match for any overhead or digital projector

- ◆ Heavy-duty 22-gauge octagonal steel case
- ◆ Integral brackets for wall and ceiling mount installations
- ◆ Matte white surface with masking borders on flame retardant and mildew resistant seamless fabric

- ◆ Camlok Roller system
- ◆ Fabric is mounted in heavy duty metal
- ◆ Sturdy steel pull attachment
- ◆ Simple, reliable tensioning device
- ◆ 1 year warranty

Size	Overall Case Length	Distance Between Hangars	Brackets	Case Diameter	Shipping Weight	B&H #	Price
WALL MOUNT PROJECTION SCREEN SPECIFICATIONS							
50 x 50"	53⅜"	52⅝"	3⅜"	2½"	12 lbs.	3MWMPS5050	**73.95**
60 x 60"	63⅜"	62⅝"	3⅜"	2½"	14 lbs.	3MWMPS6060	**76.50**
70 x 70"	73⅜"	72⅝"	3⅜"	2½"	17 lbs.	3MWMPS7070	**79.95**
80 x 80"	99⅜"	98⅝"	3⅝"	2¾"	30 lbs.	3MWMPS9696	**248.50**

Extension Wall Bracket

Wall Mount Projection Accessories

Extension Wall Bracket *(3MEWB)*
Extends screen 6" from wall **29.95**

T-Bar Scissors *(3MTBSC)*
For ceiling mounted screens **22.95**

Portable Tripod Projection Screens

Portable and easy to set up, 3M Portable Tripod Projection Screens display information in any professional and education environment.

- ◆ Automatic leg lock with easy push-button release
- ◆ Heavy duty 22-gauge octagonal steel case
- ◆ 18-gauge steel tripod with plastic shoes

- ◆ Matte white surface with masking borders on flame retardant and mildew resistant seamless fabric
- ◆ Fabric is mounted in heavy duty metal

- ◆ Camlok Roller system
- ◆ Sturdy steel pull attachment
- ◆ Simple, reliable tensioning device
- ◆ Complete with attached Keystone eliminator
- ◆ 1 year warranty
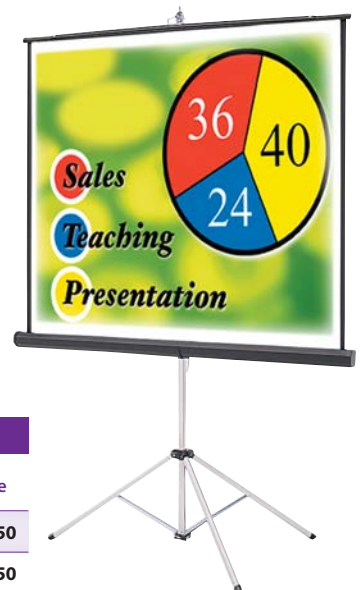
Size	Dimensions	Bottom of Screen in Lowest Position*	Top of Screen in Lowest Position*	Top of Screen in Highest Position*	Shipping Weight	B&H #	Price
WALL MOUNT PROJECTION SCREEN SPECIFICATIONS							
60 x 60"	3¼ x 6½ x 67½"	21"	80"	106"	23 lbs.	3MPTPS6060	132.50
70 x 70"	3¼ x 6½ x 77¼"	21½"	91"	116"	26 lbs.	3MPTPS7070	136.50

* Adjustment from the floor

ASK-PROXIMA

M2+

XGA 1500 Lumens Portable Projector

You're on the move. You need a projector that moves with you. One that doesn't weigh you down. A projector that is as portable as your PDA and laptop. And that feels just as personal. You need the M2+, a full-featured projector in a convenient package that won't blow your budget. Optimized for portability, the M2+ weighs just 2.4 lbs., and combines seamless digital connectivity via a built-in M1-DA connector, exceptional image quality with 1500 lumens and rich multimedia performance. It is also HDTV compatible so you can reap the benefits of high definition images anytime and project them with ease— in an intuitively designed, incredibly mobile solution. The ideal partner for a notebook PC, the M2+ has a sleek, savvy design that will turn heads before it's turned on.

FEATURES

High Brightness & Resolution

◆ Projects images with outstanding clarity and detail, offering an excellent 1500 ANSI lumens light output and true XGA (1024 x 768) resolution.

◆ Uses a 120w UHP lamp for high brightness. The lamp has 4,000 hour lamp-life.

◆ Built-in M1-DA connector allows seamless digital-to-digital connectivity, and delivers remarkable video quality and image clarity.

◆ Optical zoom lets you change the size of the image being projected without moving the projector.

◆ 1100:1 contrast ratio allows the projector to show subtle color details and tolerate extraneous room lighting.

◆ Compatible with all NTSC, PAL, SECAM, NTSC 4.43 as well as SDTV (480i) signals.

High Performance

◆ Quiet enough for the smallest meeting spaces. Despite its small size and robust functionality, the projector operates at 36dB, quiet enough for even the smallest meeting spaces. You won't have to compete with your own projector to be heard!

◆ Easy to add wireless capability to the projector. Just add the optional LiteShow module, and you're ready to project wirelessly. You can now share your data without plugging in cables.

◆ Digital keystone adjustment is available to compensate for up to ±15° angles, so that you always project a square, undistorted picture to your audience

◆ Zoom lens with manual focus and manual zoom adjustment. Minimum projection distance is 5′, maximum is 33′.

Conveniences

◆ Ease-of-use with ProjectAbility – color-coded ports and cables help you connect the projector in seconds

◆ Can be controlled via the keypad, supplied Wireless Interlink Navigator remote control, or wired remote via the USB connector.

◆ Dual infrared sensors give you 360° of control from anywhere in the room when using the remote. No more yoga-like contortions for the remote and projector to connect.

◆ To travel light is the business traveler's mantra. The M2+ weighs just 2.4 lbs., so it can go wherever you go, making it easy to share information at a moment's notice.

◆ Reduces the anxiety of using a projector, and makes you look smooth and in control of every presentation. From the simplified keypad (one-touch operation on the top of the projector) to the icon-based menus (available in 11 languages), the M2+ is easy to operate, right out of the box.

The M2+ utilizes DLP (Digital Light Processing) technology to project high-contrast images on screens of up to 11.5′. DLP enables projection systems to create a purely digital connection between a digital video or graphic source and the screen in front of you. DLP projection unleashes the full potential of the content you want to see - whether in a movie theatre, office, or your own living room.

Optional Accessories

Executive Leather Carrying Case *(CAEXE002)*

Replacement Lamp *(INLLP70)*
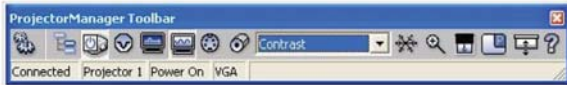
ATA-approved Shipping Case *(CAATA010)*

Deluxe Euro-Style Soft Carrying Case *(CADLX001)*

Projector Security Lock *(INSPL)*

Liteshow Wireless Connection *(LPLITESHOW)*

PROJECTMANAGER

Bundled Software with all Ask-Proxima Projectors

Gain complete control of the projector from your laptop with ProjectorManager, a free application that turns any PC into an advanced projector remote control. You can remotely adjust projector settings from your laptop, switch sources, even access features not available from the projector's onboard menu system, including power-management controls and presentation-collaboration tools. Designed to make worry-free projection more collaborative, ProjectorManager puts controls for digital zoom, picture-in-picture, image freeze, and display mask right at your fingertips. What's more, ProjectorManager allows you to e-mail a digital snapshot of your PC and projector settings directly to Technical Support for instant help and advice.

Power Button	Turn the projector power ON and OFF
Reset Button	Reset the image setup
Image Controls and Volume	Control keystone, contrast, brightness, color, color temperature, sharpness, tint, aspect ratio, and volume settings
Source Switching	Select the source that the projector will display

Freeze Button	Freeze/unfreeze the image displayed by the projector
Magnify/Pan Button	Magnify a part of the desktop being projected
Mask Button	"Mask" or conceal a portion of the projected image
Video PiP (Picture-in-Picture)	Display a video image inside a projected data image

LiteShow: Cable-Free Digital Projection System

A cable-free digital projection solution, LiteShow will change the way you view and share information. LiteShow makes switching between multiple PCs effortless. No more plugging or unplugging sources between presenters. No more worrying about cables and connectivity issues. LiteShow works with all Ask-Proxima projectors with an M1-DA or M1-D standard connector, so you protect and extend your existing equipment investment while bringing the benefits of wireless to every corner of your enterprise.

The Simplest Wireless Solution Available

Out-of-the-box simplicity. Zero configuration eliminates hassles with network names, IP addresses or MAC addresses. And with automatic device detection, users just point, click, and project. And since it draws power from the projector , it doesn't need an external power source.

Unprecedented Presentation Flexibility

Without cables, you can project anywhere, anytime, up to 300' away from the projector. LiteShow supports a multitude of presentation content types, so users can go beyond static presentations and wirelessly convey visual information such as business and training applications, digital images, drawings, schematics, photos, and real-time Web content.

High Performance, Wireless Convenience

Sacrificing nothing for the sake of wireless convenience, LiteShow is based on Wi-Fi (802.11b) and works with existing wireless cards or embedded wireless radios. Project any data from your laptop and render XGA resolution, 24-bit color images with cable-like performance.

Cable-Like Security, Wireless Freedom

Unparalleled advanced cryptosystem ensures that your content is as secure as when using a projector cable. Industry-leading Advanced Encryption Standard data encryption ensures absolute data confidentiality. Proven RSA digital signature system prevents payload tampering during transmission. LiteShow also offers visual challenge/response cues, password protection, and configurable administrative profiles for added security.

Unparalled Legacy Support

Because it attaches to existing Ask-Proxima projectors with M1-DA or M1-D connectors, LiteShow enables you to add wireless capabilities to the projectors you already own. So you can extend your wireless network while maximizing your investment in current equipment.

C110
SVGA 1600 Lumens Projector

The C110 is designed to deliver great performance during the workday and shine on into an entertaining evening. The C110 marks the spot where valuable business tools and versatile performance options converge into a projector of exceptional quality. Only 6.8 lbs. the C110 is super-portable, making it easy to carry to and from work work, school or home—anywhere else you want to share information.

◆ Delivers crisp images and full color. TI's DLP technology provides a stunning 2000:1 contrast ratio and automatic de-interlacing for smooth, true-to-life images that jump off the screen. Impress your audience during the day with brightness of 1600 ANSI lumens.

◆ 1.2:1 zoom lens with manual focus and manual zoom adjustment. Minimum projection distance is 5′, maximum is 33′.

◆ Connect a laptop, DVD player, cable, or satellite TV system for versatile viewing. And, when you're ready for wireless freedom, the C110 is compatible with LiteShow for a smooth show without the cables.

◆ Compatible with NTSC, PAL, SECAM, DVI and and HDTV (1080i, 720p, 480p) signals.

◆ Uses a 200w lamp with 3000-hour lamp life

◆ Keystone correction compensates for angled projector placement and the keystoned images can be corrected digitally up to ±20°

◆ Control via the keypad or supplied Wireless Interlink Navigator remote control.

◆ For smooth presentation, the operational noise is a whisper quiet 37dB. Sudden fan noise is eliminated by a linear control system which uses information relayed from a built-in thermo sensor to regulate operation

◆ Designed for easy set-up and use, a simple keypad delivers one-touch operation, so there's no need to refer to the manual for common tasks; just scroll through the menu (available in 11 languages) and select. Hook up is simple with color-coded connections.

C170 XGA 2000 Lumens Multi-Use Projector

The C170 delivers freedom to your fingertips, combining unrivaled power, access, and simplicity together to give you digital projection with PC-free playback. The truly stand-alone C170 offers an impressive selection of connection options — wired or wireless, computer or video sources, and even the option to go PC-free with your USB flash drive — setting you free to focus on a flawless delivery, and not the equipment. Weighing only 5 lbs., the C170 offers a bright 2000 lumens, a contrast ratio of 1000:1, native XGA resolution, and a host of connection options, including M1-DA and VESA for computers, stereo audio input and loop, S-Video and component (RCA) video.

◆ Got a flash drive? You've got a presentation. The C170 sets you free from lugging laptops to your meetings, free from wires, and free from hassle. Simply plug your USB flash drive into the LitePort connection, and the projector takes care of the rest, with all the software you'll need built right in.

◆ In addition to the PC-free convenience of LitePort, the C170 offers wireless capability with the optional LiteShow wireless module, and network control through the optional ProjectorNet software and module.

◆ Compatible with NTSC, PAL, SECAM, DVI and and HDTV (1080i, 720p, 480p) signals.

◆ 1.2:1 manual zoom lens. Minimum projection distance is 5′, maximum is 33′.

◆ Automatic vertical keystone correction, plus keystoned images can be corrected digitally up to ±10° (vertical).

◆ Control via menu, keypad, ProjectManager or RS-232. Mouse control via USB.

◆ Automatic projector orientation and color-coded inputs for added convenience.

◆ Uses a 200w lamp with 2000-hour lamp life

◆ For smooth presentation, the operational noise is a whisper quiet 35dB.

Optional Accessories
ATA Roller Case *(CA-ATA-20)*
Organizer Soft Case *(CA-C230)*
PC Guardian Projector Cable Lock *(INSPL)*
Ceiling Mount Kit *(SP-CEIL-011)*

ASK-PROXIMA

PROJECTORNET

ProjectorNet Networking Software

ProjectorNet is a client/server based networking solution designed to allow IT and facilities personnel to manage multiple projectors from a single PC—just as they would shared computers and printers. ProjectorNet enables remote control of projectors via standard TCP/IP networks and is ideal for sites with multiple installed projectors distributed across various rooms, floors or building – sites such as corporate business parks, government facilities and universities. Provides seamless integration with ProjectionLink and RS-232-based local controllers from companies like AMX and Crestron.

◆ Designed as a Microsoft Management Console (MMC) snap-in, ProjectorNet integrates unique projector control and administration features, to offer unparalleled end-user support from a central location. Moreover, it can support Proxima projectors without networking capability with an optional network adapter.

◆ ProjectorNet is supported via the projector's integrated networking controls or an external adapter connected to the projector's RS-232 port. XML-based software works by converting serial commands to TCP/IP packets for transmission across any local area network (LAN). Once installed on a network, the software can be scaled to meet the needs of any size organization, by adding additional licenses ("seats") for each projector. Totally scalable, a single server installation supports 1 to 150 projectors.

◆ With tools such as email notification of low lamp life and automatic power-down scheduling, ProjectorNet is designed to head off maintenance issues before they occur. By pro-actively managing projector maintenance, organizations increase meeting effectiveness by reducing the risk of projector failure.

◆ Protect your organization's technology investment by monitoring projector status 24 hours a day, 7 days a week. With ProjectorNet, the instant a projector is disconnected from the network or unplugged, notification is sent via e-mail alerting the help desk, facilities or security personnel. ProjectorNet reduces the total cost of ownership by connecting new and previously installed projectors to your existing LAN or other internal network, so they can be more efficiently supported by IT or facilities personnel. By leveraging the network to remotely trouble-shoot and correct user problems, companies, government agencies and universities can trim administrative and support costs.

C180 XGA 2200 Lumens Multi-Use Projector

Enchant your audience with vivid and colorful imagery. Sharp, contrast-rich and together with the long-life lamp this powerhouse lets your message shine 2200 lumens strong – at the office or on the road. It can be integrated into every office environment and controlled from a central location, with or without cables. It's one-touch, instant projection, with unparalleled ease-of-use that lets you present without hassles or practice.

Full Color, Full Image: Outstanding color saturation plus best-in-class performance equals a presentation that will be remembered. If it's brightness that opens your eyes, a long-life UHP lamp lets your message shine 2200 lumens strong. This projector combines breakthrough features like automatic vertical keystone adjustment and even goes a step further than most with horizontal keystone correction and automatic image synchronization with your computer.

Full Functionality: Take advantage of out-of-the-box networking with InFocus ProjectorNet software and control your projectors from a central location. With the InFocus LiteShow wireless solution, you can take advantage of wireless freedom in any meeting room to project instantly, without any cable hassle.

Fully Intuitive: Automatic keystone correction and ceiling detection ensure your image is correct, with no manual work on your part. It automatically synchronizes with your computer and video sources for quick starts and smooth transitions. Thoughtful innovations—from setup, use, options and management to it's one-touch, instant projection, with unparalleled ease-of-use lets you present without hassles or practice.

◆ Automatically the best image – with vertical and horizontal keystone correction plus image synchronization with your computer

◆ Wireless ready – upgrade to LiteShow for cable-free performance

◆ Compatible with InFocus ProjectorNet software - control your C180 in a networked environment

◆ ProjectAbility design – designed around you to work the way you do

C440 • C450 • C460

High-Performance Installation Projectors

*Experience powerful presentation options and flexibility with the **C440** (XGA, 3500 lumens), the **C450** (XGA, 4500 lumens) or the **C460** (SXGA, 3500 lumens). These professional-grade installation and integration projectors have all the performance details you need including four optional user-replaceable bayonet lenses. The lenses offer throw ratios from 0.8 to 7.2:1 allowing versatility for any venue and can be changed in three easy steps. Combined with a 750:1 contrast ratio, these projectors deliver images that are captivating and compelling.*

Ideal for large training rooms, conference centers, classrooms, and houses of worship as well as large-venue applications like auditoriums, outdoor stages, and concert halls, they feature power zoom, focus, and lens shift. They provide three computer, three video, and two audio inputs, one audio output and RS-232 control. They are also wireless-ready, and have a built-in ethernet port to offer compatibility with innovative solutions like ProjectorNet which allows you to network all your projectors from a single PC, and ProjectorManager, which turns any PC into an advanced projector remote control.

FEATURES

◆ Native XGA and SXGA resolution, 750:1 contrast ratio, brightness up to 4500 lumens combine to deliver images that are captivating and compelling.

◆ User-replaceable bayonet lenses – change lenses without tools; simply push and twist

◆ Flexible features include power zoom, focus, and vertical/horizontal lens shift

◆ Seamless integration with network and wireless applications so you can easily upgrade to networking, presentation management, and wireless solutions. Add them to your network right out of the box with ProjectorNet and manage all your projector assets from a single PC.

◆ ProjectAbility function eliminates the typical projector learning curve with easy to use. features like color-coded cables and a simplified keypad.

◆ ProjectorManager compatible – turns any PC into an advanced projector remote control

Experience seamless compatibility with connectivity that supports three separate PC and three separate video sources. Control the projectors via RS-232 or TCP/IP interfaces. Connect analog and digital sources with support for HDTV and computer sources up to UXGA resolution. BNC connectors make for secure, professional installations.

Perfect projection — four optional user-replaceable bayonet lenses offering throw ratios from 0.8 to 7.3:1 allow versatility for any venue and can be changed in three easy steps.

ASK-PROXIMA

PROJECTOR SPECIFICATIONS

	M2+	C110	C170	C180	C440	C450	C460
Native Resolution	XGA (1024 x 768)	SVGA (800 x 600)	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)	SXGA+ (1400 x 1050)
Display Technology	DLP 0.7" XGA DMD DDR	DLP 0.55" SVGA DMD DDR	DLP 0.7" DDR DDP 2000	3x .79" Polysilicon TFT LCD, active-matrix	.99" Polysilicon TFT with micro lens array	.99" Polysilicon TFT with micro lens array	.99" Polysilicon TFT with micro lens array
Input Sources	Computer (M1-DA), video (S-Video and RCA), audio (3.5mm mini jack)	Computer (M1-DA), video (S-Video and RCA), audio (Stereo RCA)	Computers (M1-DA) and (VESA), video (S-Video and RCA), audio (3.5mm mini)	Computers (M1-DA) and (VESA), video (S-Video and RCA), audio (3.5mm mini)	Computers (M1-D, DSUB-15, BNC). video (S-Video & RCA) audio (mini & RCA)	Computers (M1-D, DSUB-15, BNC). video (S-Video & RCA) audio (mini & RCA)	Computers (M1-D, DSUB-15, BNC). video (S-Video & RCA) audio (mini & RCA)
Output Terminals		Monitor (VESA), audio (3.5mm mini)	Monitor (VESA), audio (3.5mm mini)	Monitor (VESA), audio (RCA Stereo)	Monitor loop through, audio (3.5mm mini)	Monitor loop through, audio (3.5mm mini)	Monitor loop through, audio (3.5mm mini)
Computer Compatibility	VGA through SXGA, 1152, Macintosh	SVGA, VGA, XGA, Macintosh	SXGA, SVGA, VGA, XGA, Macintosh	SXGA+, SVGA, VGA, XGA, Macintosh	UXGA –VGA	UXGA –VGA	UXGA –VGA
Video Compatibility	NTSC 3.58, 4.43, PAL, SECAM (all), SDTV (480i)	NTSC, PAL, SECAM, DVI, HDTV (1080i, 720p, 480p)	NTSC, PAL, SECAM, DVI, HDTV (1080i, 576p, 720p, 480p)	NTSC, PAL, SECAM, HDTV (1080i, 1080p, 720p, 480p)	NTSC, PAL, SECAM, SDTV, HDTV (750p, 1080p, 1125i, 1035i)	NTSC, PAL, SECAM, SDTV, HDTV (750p 1080p, 1125i, 1035i)	NTSC, PAL, SECAM, SDTV, HDTV (750p 1080p, 1125i, 1035i)
Max ANSI Lumens	1500 ANSI lumens	1700 ANSI lumens	2000 ANSI lumens	2200 ANSI lumens	3500 ANSI lumens	4500 ANSI lumens	3500 ANSI lumens
Contrast Ratio	1100:1	2000:1	1000:1	400:1	750:1	750:1	750:1
	full on/full off	full on/full off	full on/full off	full on/full off	full on/full off	full on/full off	full on/full off
Standard Projection Lens	Zoom with Manual focus and zoom	1.2:1 Zoom with manual focus and zoom	1.2:1 Zoom with manual focus and zoom	1.2:1 Zoom with manual focus and zoom	1.5:1 Zoom with manual focus and zoom	1.5:1 Zoom with manual focus and zoom	1.5:1 Zoom with manual focus and zoom
Throw Ratio	1.85 – 2.35:1	1.89 – 2.27:1	1.83 – 2.27:1	1.6:1 – 1.9:1	1.5:1 – 2.2:1	1.5:1 – 2.2:1	1.5:1 – 2.2:1
Projection Distance	5' to 32.3'	5' to 32.1'	5' to 32.8'	5' to 32.8'	3' to 45.5'	3' to 45.5'	3' to 45.5'
Image Size (Diagonal)	2.7' to 22.2'	2.7' to 21.6'	2.7' to 21.6'	3.3' to 25'	3.3' to 25'	3.3' to 25'	3.3' to 25'
Lamp (Bulb)	120W UHP	200W SHP	200W SHP	170W UHP	320W UHB	310W UHB	275W UHB
Bulb Life Expectancy	4000 hours	4000 hours	2000 hours	2000 hours	1500 hours	1500 hours	2000 hours
Aspect Ratio	4:3 (standard); 16:9 video, data	4:3 and 16:9	4:3 native aspect ratio	4:3 native aspect ratio	4:3 native, supports 5:4, 16:9	4:3 native, supports 5:4, 16:9	4:3 native, supports 5:4, 16:9
Screen Projection	Front and Rear	Front and Rear	Front and Rear	Front and Rear	Front and Rear	Front and Rear	Front and Rear
Ceiling Mountable		Yes	Yes	Yes	Yes	Yes	Yes
Keystone Correction	±15° vertical correction	±10° vertical correction	±10° vertical correction	±25° vertical correction	±15° vertical correction	±15° vertical correction	±15° vertical correction
Built-in Speaker (audio)	1 Watt Mono	2.5 Watt Mono	3.0 Watt Mono	2.0 Watt Mono	2x 1.0 Watt Stereo	2x 1.0 Watt Stereo	2x 1.0 Watt Stereo
Controls	Projector Keypad, IR Remote, Wired USB	Projector Keypad, IR Remote Control	Projector Keypad, IR Remote Control	Projector Keypad, ProjectorManager, RS232	ProjectorManager (RJ45), 9-Pin DSUB (RS232)	ProjectorManager (RJ45), 9-Pin DSUB (RS232)	ProjectorManager (RJ45), 9-Pin DSUB (RS232)
Power Requirements	100v - 240v	100v - 240v	85v - 240v	85v - 240v	100v - 240v	100v - 240v	100v - 240v
Power Consumption	155 Watt	200 Watt	260 Watt	260 Watt	430 Watt	430 Watt	430 Watt
Dimensions (HLW)	2.5 x 6.1 x 7.8"	4.2 x 12.9 x 9.8"	2.9 x 10.4 x 8.6"	4.1 x 10.3 x 11.6"	6.4 x 12.4 x 16.8"	6.4 x 12.4 x 16.8"	6.4 x 12.4 x 16.8"
Weight	2.4 lbs.	6.8 lbs.	5.2 lbs.	7.5 lbs.	17 lbs.	17 lbs.	17 lbs.

CP120

Micro-Portable, Wireless, DLP Projector

The world's smallest and lightest projector with built-in wireless capability, the CP120 is ideal for small businesses and mobile professionals. It weighs only 2.9 lb. and offers flexible connectivity with compatibility for the three most common variations of the IEEE802.11 wireless standard (i.e., 802.11 a/b/g).

The CP120 features XGA resolution, a bright 1500 lumens, outstanding 2000:1 contrast ratio, and optics designed by Carl Zeiss. In addition, it incorporates BenQ's proprietary Golden Ratio Color Wheel that provides high-grade color reproduction. Using the wheel, the CP120 produces more natural flesh tones by delivering better color saturation on red and blue than standard RGB without sacrificing green. This feature brings a rich true color picture to all video formats, especially DVD, HDTV or sporting events.

Compatible with NTSC, PAL, SECAM and HDTV (1080i, 720p, 576p, 576i, 480p and RGBHV) signals, the CP120 also features a password function for enhanced security purposes. Easy to carry along, travelers will love the high-altitude mode, no-hassle sliding lens door, spring adjusting foot, 30-second cool-off and position hole fit for a tripod.

FEATURES

- DLP (Digital Light Processing) technology unleashes the full potential of the content you want to see - whether in a movie theater, office, or your own living room.

- Native XGA resolution, 2000:1 contrast ratio, and brightness up to 1500 lumens combine to deliver images that are captivating and compelling.

- DLP projectors use a color wheel to accurately reproduce color with the color wheel ratio shaping its quality. With years of research, BenQ has identified the golden ratio of color wheel to fully utilize the lamp's spectrum. Every picture becomes more lively and vivid.

- HDTV (480p, 576p, 720p, 1080i) compatibility for high resolution quality

- Inputs include USB, analog RGB/component (D-sub 15-pin), composite and S-Video

- 2000-hour lamp life in 'economic' mode and 3000-hours in 'presentation' mode.

- Realtime Auto Keystone correction helps you in adjusting a perfect rectangular shape quickly and easily. This means you can always project graphics and images exactly the way you want it to be.

Conveniences

- Sliding lens door design
- Spring adjusting foot
- Power saving "Auto Off"
- Position hole for tripod
- Quick cooling function
- On-screen display (OSD) in 20 languages
- Security password
- Includes cables, case and remote control

Pre-set Application Modes

- Innovative pre-set modes are provided to help you in bringing the best image quality for different situations and program types:

PC Signal Input:

– Presentation mode is designed to enhance brightness for most presentation situations.

– Vivid mode is ideal for playing games. Color saturation and brightness are well-balanced.

– Video mode is suitable for cinematic enjoyment displaying images in their natural color.

A/V Signal Input:

– Gaming mode is suitable for playing video games in a bright living room.

– Video Mode has a higher color temperature, makes it suitable for enjoying TV movies.

– Cinema Mode has lower color temperature, suitable for enjoying cinematic movies.

- Economic mode (reduce system noise and reduce power consumption by 20%) is also available for extending lamp life and lowering noise. In addition, you have different choices for warm tones and cool tones when watching DVD titles.

sRGB: The CP-120 features a new technology for projectors—sRGB (standard Red, Green, Blue). Defined by Microsoft and HP, sRGB creates color-matching between applications and hardware devices, such as monitors, printers and digital cameras to ensure that whatever users see on their computer screen will be exactly the same as what they will get from their projector. Unlike other projectors, sRGB ensures that users do not get a greenish color even if they prepared their presentation with a yellow background. They receive true-life-colors regardless of whether they are making a presentation or watching a movie.

BENQ

PB2140 • PB2250

Mobile DLP Projectors

Traveling with the PB2140 (SVGA, 1600 lumens) or the PB2250 (XGA, 2200 lumens) is both enpowering and convenient. Weighing only 4.2 lbs., their bright image displays and outstanding 2000:1 contrast ratio come with various easy-to-use features which allow for elaborate multimedia performance and a lasting impression. Furthermore, their B5 size is a little smaller than a usual file folder which makes them easy to travel on the road. The PB2250 also adds a "High Altitude" mode.

FEATURES

High Quality

◆ Brightly lit rooms which hinder traditional mobile projectors' performance are not a problem. DLP technology, "Off-Axis Optical System" and aspherical glass lens work together to enhance the efficiency of their optical system. Brightness stretches up to 1600 (PB2140) or 2200 (PB2250) lumens.

◆ Not restricted by their size, they bring extraordinarily high 2000:1 contrast ratio to deliver image details precisely. Project presentation figures and charts onto the screen in fine detail. Brings forth black as onyx and white as snow.

◆ DLP projection systems offer longer and more reliable picture quality. LCD projectors start to exhibit decay in panel transparency after about 1500 hours. Picture quality provided by DLP can last longer without panel decay, providing you a long-lasting reliability in finest picture quality.

◆ The latest DDP2000 DLP Control ASIC integrates de-interlace and scalar functions to provide smooth motion images.

◆ The are compatible with NTSC, PAL and SECAM standards as well as HDTV (480p, 576p, 720p, 1080i) signals.

◆ With years of research and development, BenQ identified the golden ratio of color wheel by maximizing the intensity of the full range of visible light to match the special choose lamp's spectrum, to maximize the intensity in each visible colors.

◆ Auto Keystone Correction helps to adjust a perfect rectangular shape quickly and easily no matter the presentation environment.

PB2250 Only

The PB2250 has a High Altitude mode specially designed for extreme environments like high altitude or high temperature. The built-in T-flow cooling system comes with 4 sets of individual cooling fans for the lamp and DMD chip to make sure your projector running smoothly and stable in each harsh environment.

High Performance

◆ Innovative pre-set modes are provided to help you in bringing the best image quality for different situations and program types. Same as the CP120 (see opposite page).

◆ The PB2140/2250 feature lamp life up to 3,000 hours. Their support and maintenance cost is the lowest among its class.

◆ For security purposes and to help prevent unauthorized use, they include an option for setting up password security through the on-screen menu.

◆ Economic mode (reduce system noise and power consumption by 20%) is available to extend lamp life. In addition, you have different choices for warm tones and cool tones when watching DVD titles.

Conveniences

◆ Start-up has never been this easy! The 1-2-3 steps are intuitive for you to start presentations immediately.

1) Just turn on the "Power"

2) Press "Keystone" to correct the image shape

3) Press "Auto" for correct resolution rate, and voila, the show begins.

◆ Splash Screen enables users to select which logo screen will appear during projector start-up. Three modes are available: Default (BenQ logo), black screen or blue screen.

◆ On-screen menus in 10 languages (including English, French, German, Italian, Spanish, Russian, Traditional and Simplified Chinese, Japanese and Korean).

	CP120	PB2140	PB2250
Native Resolution	XGA (1024 x 768)	SVGA (800 x 600)	XGA (1024 x 768)
Resolution Supported	VGA (640 x 350) SXGA (1280 x 1024)	VGA (640 x 350) SXGA (1280 x 1024)	VGA (640 x 400) SXGA (1280 x 1024)
Brightness	1500 ANSI lumens	1600 ANSI lumens	2200 ANSI lumens
Image Size (Diagonal)	27" to 270"	22" to 300"	22" to 300"
Dimensions (HWD)	8.58 x 6.77 x 2.4", 2.9 lbs	9.4 x 3.4 x 7.1", 4.2 lbs.	9.4 x 3.4 x 7.1", 4.2 lbs.

PROJECTORS

BenQ

MP620 • MP720

XGA 2200 and 2500 Lumen Portable DLP Projectors

The **MP620** (2200 lumens) and **MP720** (2500 lumens) are digital cross-function projectors that are perfect for multimedia presentations in both educational and business setting. They provide true color reproduction by meeting the sRGB standard, which shows greater consistency across different devices such as monitors, printers or notebooks.

In addition to their high brightness, they include a host of easy-to-use features such as 9 pre-set modes for instant optimized settings for brightness, color saturation and contrast, ensuring the best performance in various applications. They also offer an optional wireless module, LinkPro that allows cable-free presentations. without hassling with cables. Moreover, the bundled wireless Wizard software enables easy switching between multiple notebooks—a convenient tool for large meetings. For longer data transmission, LinkPro also features a LAN port connection.

FEATURES

◆ Colors on the screen don't match those on your notebook's screen? The MP620 and MP720 solve this problem by incorporating BenQ's exclusive color matching technology to ensure faithful color reproduction.

– Achieves greater color saturation while enlarging the color gamut and using sophisticated gamma adjustments to precisely reproduce the colors in the input image.

– RGB (Standard Red, Green and Blue) ensures the color profiles of the projected images remain true to the originals.

◆ "Auto" Hot Key (Auto Keystone & Auto Synchronize) lets you quickly adjust your projections to a perfect rectangular shape, while also searching the input source at the same time.

◆ NTSC, PAL, SECAM and HDTV compatible (480i, 480p, 576p, 720p, 1080i)

◆ Bulb has a 3000-hour lamp life, 4000 hours in Economy mode.

◆ Projects a 31" to 300" image size

◆ Innovative pre-set modes are provided to help you in bringing the best image quality for different situations and program types. Same as the CP120 (see page 60).

◆ Optional LinkPro wireless module enables presentations from a notebook without cables. Moreover, Wireless Wizard software allows easy switching between multiple notebooks—perfect for large meetings. For long distance data transmission, LinkPro features a LAN port allowing you to transmit the presentation data up to 330' away.

Conveniences

◆ Even invisible dust particles can damage sensitive projector components. That's why they incorporate a specially designed dust filter that traps even microscopic debris from air before it passes through them

◆ Their quick-cooling feature cuts the time needed for the projector to cool down after use by about two-thirds, sparing users from awkward waits after a presentation.

◆ Their front ventilation design eliminates the annoying light leakage and vented hot air that disturbs viewers behind the projector.

◆ High-altitude mode takes advantage of a thermal design with two sets of cooling fans for the lamp and a DMD chip to ensure that the projectors perform reliably even under adverse conditions, such as in high-altitude or high-temperature environments.

◆ They turn off automatically when no input is detected for a period of time, not only saving power but preventing possible overheating if the user forgets to turn it off.

◆ They prevent unauthorized use by requiring that the correct password be entered before an input source is accepted.

Easy to Use Projector Software

Once the Wireless Wizard software has been activated, software on the notebook will automatically search for the MP620 / MP720's wireless signal. When the projector appears in the list, select it to complete the connection process. Furthermore, the image freeze function allows you to freeze-frame the presentation on the projector, so the audience can only see that slide, while you can edit the presentation documents on their notebook. When ready, you can press the freeze image stop key to continue the presentation.

BenQ

PB6240

XGA 2700 Lumens Portable DLP Projector

XGA native resolution, 2700 lumens brightness, 2000:1 contrast ratio and weighing only 6.4 lbs, the PB6240 is equally at home for business meetings as well as the classroom. It offers great value, true image color, multi-functionality and provides perfect true color reproduction by meeting the sRGB standard. In addition to high brightness, it includes a host of easy-to-use features such as 9 pre-set modes for instant optimized settings for brightness, color saturation and contrast. It has a VGA output for connecting a secondary display, wide angle lens for a high throw ratio and built-in speakers to provide audio anytime, anywhere. Also features password protection and High Altitude mode.

FEATURES

◆ VGA output allows the presenter to connect to a secondary display for viewing

◆ Colors on the screen don't match those on your notebook's screen? The PB6240 incorporates exclusive color matching technology to ensure faithful color reproduction.

– Achieves greater color saturation while enlarging the color gamut and using sophisticated gamma adjustments to precisely reproduce the colors in the input image.

– RGB (Standard Red, Green and Blue) ensures the color profiles of the projected images remain true to the originals.

◆ Equipped with a special wide-angle lens that allows you to project a 60" image from just 6' away. And the projection can be up to 300" wide diagonally.

◆ With the embedded speakers, the BenQ PB6240 provides audio for all your applications, anytime and anywhere.

◆ High-altitude mode takes advantage of a thermal design with two sets of cooling fans for the lamp and a DMD chip to ensure that the projectors perform reliably even under adverse conditions, such as in high-altitude or high-temperature environments.

◆ Innovative pre-set modes are provided to help you in bringing the best image quality for different situations and program types. Same as the CP120 (see page 60).

◆ NTSC, PAL, SECAM and HDTV compatible (480i, 480p, 576p, 720p, 1080i)

◆ Bulb has a 2000-hour lamp life, 3000 hours in Economy mode.

◆ Reduces audible noise to a low 31dB, providing an undisturbed meeting environment. How silent is 31dB? Just think about how quiet a library is and that's how silent it is!

	MP620	MP720	PB6240
Native Resolution	XGA (1024 x 768)	SVGA (800 x 600)	XGA (1024 x 768)
Resolution Supported	VGA (640 x 350) SXGA (1280 x 1024)	VGA (640 x 350) SXGA (1280 x 1024)	VGA (640 x 350) SXGA (1280 x 1024)
Brightness	2200 ANSI lumens	2500 ANSI lumens	2700 ANSI lumens
Contrast Ratio	2000:1	2000:1	2000:1
Image Size (Diagonal)	31" to 300"	31" to 300"	31" to 300"
Throw Ratio	55"@ 6.6'	55"@ 6.6'	60"@ 6.6'
Zoom Ratio	Manual Zoom, 1.15:1	Manual Zoom, 1.15:1	Manual Zoom, 1:1.2
Aspect Ratio	4:3/16:9 Selectable	4:3/16:9 Selectable	4:3/16:9 Selectable
Operation Noise	29dB	31dB	36dB
Horizontal Frequency	31-82 kHz	31-82 kHz	20-88 kHz
Vertical Scan Rate	48-85 Hz	48-85 Hz	20-100 Hz
Lens	f2.6 to 2.77	f2.6 to 2.77	f2.4 to 2.6
Dimensions (HWD)	9.37 x 3.7 x 11.14"	11.45 x 3.70 x 9.21"	11.5 x 17.8 x 14.6"
Weight	6.6 lbs.	6 lbs.	6.4 lbs.

PB8140 • PB8240 • PB8250 • PB8260

Installation Series DLP Projectors

*Designed for larger or open venues, BenQ's installation series offer various resolutions and brightness to suit any application. Ideal for use in business, institutional or educational applications, all offer XGA native resolution (except the SVGA PB8140), contrast ratio of 2000:1, selectable 4:3/16:9 aspect ratio, and an innovative cooling system. Compatible with HDTV signals, the **PB8140** (2000 lumens), **PB8240** (2500 lumens), **PB8250** (3000 lumens) and wireless **PB8260** (3500 lumens) also offer full connectivity—even covering dual presenters with D-Sub and DVI-I input.*

Incorporating a 802.11b network for wireless flexibility and a user-friendly setup, the PB8260 is the presentation tool-of-choice for boardrooms, conference halls and large open venues.

FEATURES

High Reliability

◆ For publicly used equipment like installation projectors, a high degree of reliability and consistency is crucial. Towards this end, BenQ has developed several safeguards to offer maximum performances:

— In traditional LCD projectors, image quality usually declines with color distortion appearing after a few thousand hours of operation. These DLP system use a DMD chip that won't decay over time. Therefore, they provide consistent image quality.

— Micro dusts in the air can harm the fine DMD chipsets which can hinder the projector's performance. BenQ has specially designed a "Micro Dust Filter" to filter off the micro dust that passes through.

— Overheating makes projectors unstable and shortens their lifetime. BenQ's innovative "T-flow Cooling System" with 4 individual fans provides internal cooling to maintain a low temperature for the lamp and DMD chip to ensure a long lasting performance.

— Some projectors are low-priced when purchased, but have high maintenance costs in the following years. These BenQ projectors have up to 3,000 hours of lamp life (Economic mode) and are among the best performers in their class. On the other hand, cost for technical support is the lowest in its class.

Flexible Setup

◆ Versatile connectivity is vital for installation projectors to meet all possible needs: multi-presenters, movies or video clips. These projectors offer full connectivity and cover for dual presenters with one D-Sub and one DVI input. Even better, the inevitable video noise commonly found with analog inputs can be effectively removed with the digital input (DVI terminal).

◆ Video inputs from component to S-Video allows for a more full-bodied presentation.

◆ Capable of remotely controlling and monitoring them with a PC via their RS-232 port makes projector management more flexible.

Wireless Freedom - PB8260 Only

◆ A fast and easy user menu interface allows straight forward, problem-free wireless setup.

◆ Extended Display function allows you to simultaneously switch images or open files on your computer without projecting them onto a screen. Dazzle your audience with flowing commentary as you secretly read your footnotes.

	PB8140	PB8240	PB8250	PB8260
Native Resolution	SVGA (800 x 600)	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)
Resolution Supported	VGA (640 x 350) SXGA (1280 x 1024)	VGA (640 x 350) SXGA (1280 x 1024)	VGA (640 x 350) SXGA (1280 x 1024)	VGA (640 x 350) SXGA (1280 x 1024)
Brightness	2000 ANSI lumens	2500 ANSI lumens	3000 ANSI lumens	3500 ANSI lumens
Contrast Ratio	2000:1	2000:1	2000:1	2000:1
Image Size (Diagonal)	22" to 300"	22" to 300"	22" to 300"	22" to 300"
Throw Ratio	60"@ 6.6'	60"@ 6.6'	60"@ 6.6'	60"@ 6.6'
Zoom Ratio	1:1.2	1:1.2	1:1.2	1:1.2
Aspect Ratio	4:3/16:9 Selectable	4:3/16:9 Selectable	4:3/16:9 Selectable	4:3/16:9 Selectable
Dimensions (HWD)	12.6 x 4.2 x 9.3"	12.6 x 4.2 x 9.3"	12.6 x 4.2 x 9.3"	12.6 x 4.2 x 9.3"
Weight	7.7 lbs.	7.7 lbs.	7.9 lbs.	8.4 lbs.

BENQ

PE7700 • PE8720

Digital Home Theater Projectors

Designed from top to bottom as dedicated home cinema projectors, the PE7700 and PE8720 feature proprietary BenQ video-processing to support Texas Instruments' W-Pal DLP chipset do deliver stable and vivid images. They also incorporate revolutionary Senseye technology allowing you to see the minute differences between even the most subtle colors, as well as view live action both smoothly and flawlessly. Your eyes feel everything. Just the way you do.

The PE7700 offers a brightness of 1100:1 lumens and 2500:1 contrast ratio for lifelike color reproduction , while the PE8720 features 1000 lumens and an incredible 10:000 contrast ratio. They are HDTV-ready with component inputs and support S-Video, DVI, composite, component and progressive component video (480i/p, 576i/p, 720p and 1080i). They also support NTSC, PAL, SECAM and NTSC 4.3 video systems. They have native 16:9 resolution (1024 x 576 W-Pal) 3:2 pull-down recovery, 300Hz refresh rate, PIP/POP functions, P-Scan and Digital Keystone correction for quick and easy set up. For installation versatility, a connector panel provides three inputs in the "video group" and two inputs in the "graphic group."

FEATURES

◆ Their unique cooling system design prevents annoying fan noise, and is rated at less than 30 dB.

◆ Supports a wide variety of video formats including composite, S-Video, component and DVI-I (digital and analog RGB). The two component inputs are used to connect the projector to HDTV receivers and DVD players. They use RCA connectors to minimize signal degradation that may be caused by installations that have longer cables.

◆ Using BenQ's proprietary de-interlacing technology, the projector provides exceptional scaling and film-to-video (3:2 pull-down) conversion for the most artifact-free images possible.

◆ The Picture-In-Picture (PIP) and Picture-On-Picture (POP) functions allow you to display two inputs on the screen at the same time.

◆ Store up to three different configurations in the projector's video memories to optimize the image for different types of signal.

◆ Multilingual on-screen display menus

◆ Includes BenQ's product commitment-a free first year "Xpress Xchange" program and a three-year limited warranty.

Senseye Color Enhancement

Senseye Color Enhancement enables clear reproduction of even the subtlest colors such as pastels and flesh tone. Senseye means better color saturation than standard RGB processors. The color tones of the entire image are automatically assessed, adjusted, then reproduced with the optimum color balance. The projectors' advanced Golden Ratio Color Wheel provides high-grade color reproduction, while a Specialized Color Wheel Coating delivers better color saturation on Red and Blue than standard RGB (sRGB) without sacrificing green. The bottom line? Dark portions look darker and bright portions look brighter producing a smoother, more film-like picture quality.

Senseye Motion Optimization

Senseye Motion Optimization raises their picture quality to new heights. One of the key factors in flawless live action is the processing of the video from its native interlace form to high quality progressive scan data. Their Angle-Motion Compensation removes stair-stepping on diagonal moving images. The result is no jagged edges and natural-looking and flowing moving images.

To optimize the motion quality further, Intelligent Progressive Scan makes it possible to recreate images with cinema-like quality. Senseye intelligently detects which areas have motion and which areas do not. Then processes them differently to create smoother motion. Static areas are meshed and areas where motion is detected are treated with a proprietary filtering technique resulting in very high quality, progressive scan images. Intelligent Progressive Scan removes jagged vertical edges and screen door effect to delivers smooth motion and flawless images.

Senseye Clarity Optimization reduces picture noise so images remain crystal clear across the whole screen. Image "noise" can be detected and separated into different levels. Clarity Optimization then distinguishes these different levels and then applies the correct Adaptive Noise Reduction solution. So noise reduction can be achieved without over- sharpening or clarity loss. All in all, this process significantly reduces noise reduction resulting in super crisp video images.

LV-X6 • LV-7250 • LV-7255

Micro-Portable XGA Projectors

Setting industry standards for price-performance and value, the LV-X6 (1500 lumens), LV-7250 (2000 lumens) and 7255 (2500 lumens) combine advanced capabilities with increased affordability to meet the needs of a wide range of professionals in education, business, government, law, medicine and many other sectors.

Ideal for conference rooms, classrooms, courtrooms, meeting rooms and other everyday venues that require projection portability, brightness and image fidelity.

They incorporate a smooth, modern design, have a short throw distance capable of projecting a 100" image from only 9.8' away, and have an array of features that make operation quick and easy. Well-suited for presenting data from laptop computers, and video from VCRs, DVD players and digital camcorders, they feature 400:1 contrast ratio and deliver maximum impact in minimum spaces.

In addition to native XGA, they support UXGA (1600 x 1200) and SXGA (1280 x 1024) resolution through high-quality compression. Each has a high-quality 1.6x zoom lens that is adjustable using a convenient slider control atop the projector housing. Additional control convenience is provided by an array of top-mounted input buttons with light-up indicators that allow users to quickly switch between laptops or video sources (each model can be connected to two laptops simultaneously). An LED light clearly shows which input is being used even when operating the projector in total darkness. What's more, they feature an Easy Menu Display with on-screen adjustments that are clearly labeled, allowing users to change settings quickly and easily.

FEATURES

You get the same uncompromising Canon image quality that you get with every Canon camera or camcorder. Because they combine superior electronics with Genuine Canon Optics, they'll never let your audience down.

◆ With three 0.8" LCD panels and native XGA resolution (1024 x 768 pixels), they deliver outstanding image quality at an affordable price. They also support SXGA (1280 x 1024) and UXGA (1600 x 1200) resolution through high-quality compression.

◆ 500, 2100 or 2500 lumens (respectively), they are bright enough for the classroom, conference room, office or home theater setting. For a lesson, presentation or home movie, they have the power to perform.

◆ They offer a 600:1 contrast ratio (500:1 on the the LV-X6) for sharp images and deep, rich colors - even with ambient light.

◆ Equipped with a 1.6x Canon wide zoom lens that ensures a quality presentation regardless of room size. The short focal length of the lens lets you project a large image, even in cramped quarters. For example, you can project a 100" image from a mere 9.8' (an even more impressive 8.3' for the LV-7255). Plus, with one of the widest zoom ranges around, you can easily adjust your screen size to fit any room.

◆ The zoom range gives you the flexibility to project a screen from 40 to 300" (diagonal). That means you're covered for a wide range of room sizes and projection distances.

◆ No matter what the location, a variety of features make them easy to use.

– Once at your destination, their flexibility lets you quickly and easily adapt to the environment. With Automatic Keystone Adjustment, for example, you simply place the projector on a flat surface. Built-in sensors detect the tilt of the projector and automatically correct for keystone distortion—up to ±30° vertically. If you want, you can still adjust keystone correction manually .

– You can use the projectors for front and rear-projection; or mounted on the ceiling with an optional ceiling mount adapter.

LV-X6 • LV-7250 • LV-7255

Versatile Connections

◆ The more sources of images you have, the more you need a projector that can handle those sources. These projectors include composite, S-Video, component input, and offer the option of two VGA inputs, or one input and one output (for connection to a computer monitor); and audio input/output.

◆ Compatible with NTSC, PAL, SECAM, NTSC 4.43, PAL-M and PAL-N signals for global portability.

◆ Get a steady, film-like image from digital TV and high-end DVD players, as the projectors Progressive Scan circuitry converts 480i/575i signals to Progressive.

Conveniences

◆ Ideal for small conference rooms, Quiet Mode reduces projector fan noise to only 30dB for the LV-7255;29db for the LV-7250; and 25dB for the LV-X6. Enables audiences to better focus on presentation content.

◆ Password Protections & Control Panel Key Lock lets you control access to your projector, so you don't have to worry about unauthorized use. With these lock features, a user must enter a pin number in order to operate the projector.

◆ Quick Start (which allows the projector to be used in 9 seconds) allows faster set-up and breakdown of presentations. Quick Cooling cools down the projector in approximately 30 seconds.

◆ The Long-Life Lamp feature can provide up to 3,000 hours of operation for the LV-7250 and LV-7255 and 4,000 hours for the LV-X6.

◆ Supplied wireless remote lets you control a range of functions, including: Auto PC Adjustment for optimizing the image quality of an RGB source, and Source Select for choosing between 4 different input sources.

◆ The projector's user-friendly control panel lets you control volume, make menu selections and easily switch between four different inputs at the touch of a button.

◆ Each weighs 6.6 lbs. and includes a 3-year parts and labor/120-day lamp-life warranty.

◆ They also include Canon's "Triple P" Projector Protection for added value. Under this program, Canon will provide a loaner in the event your projector requires servicing.

Project without a Screen

They feature versatile display options, so even if you don't have a screen, there is no problem. In the classroom, the Greenboard mode lets you project onto a chalkboard — the projector adjusts the projected image to maximize legibility and image quality.

You can also project on walls and other non-white surfaces -Wall Color Correction compensates for the color of the wall ensuring colors are displayed accurately. Seven different adjustments (blackboard, light yellow, light green, light blue, sky blue, light rose, and pink) help match the surface, whether it's a classroom blackboard, the wall of a conference room, or an office partition.

Projection Modes

◆ Their performance is enhanced through 5 pre-set projection modes, plus a custom mode:
  — Standard mode emphasizes the reproduction of white, for standard viewing
  — Presentation mode gives you higher contrast and brightness for brilliant presentations
  — Cinema mode accurately projects dark scenes, for watching movies in dark rooms
  — Video mode projects images of people for general TV broadcasts and video
  — sRGB reproduces color adapted to the sRGB color space, making it suitable for sRGB images
  — Custom mode adjusts gamma, white balance, brightness, contrast, sharpness, color, and hue

◆ You also get precise color control with their Color Management System. Manually adjust color, hue (except with RGB input), brightness, contrast and sharpness for brilliant results.

LV-X6, LV-7250 and LV-7255 Accessories

Replacement Lamp for LV-X6 *(CALVLP27)* **299.95**

Replacement Lamp for LV-7250 and LV-7255 *(CALVLP26)* **374.95**

Ceiling Mount Adapter *(CALVCL10)* **449.95**

RS-232C Cable *(CALVCA34)* **37.95**

RS-232 Cable *(CALVCA26)* **39.95**

24 Pin DVI Cable *(CALVCA29)* **69.00**

Mouse Control Cable
For LV-Series Projectors. Available for Mac *(CALVCA27)* and PS/2 ports *(CALVCA25)*..........**39.95**

Mouse Extension Cable *(CALVCA28)* **149.95**

	LV-X6	LV-7250	LV-7255
Native Resolution	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)
Brightness	1500 ANSI lumens	2000 ANSI lumens	2500 ANSI lumens
Contrast Ratio	500:1	600:1	600:1
Image Size (Diagonal)	21" to 300"	21" to 300"	21" to 300"
Throw Ratio	2.4 - 35.9'	2.4 - 35.9'	2.4 - 35.9'
Aspect Ratio	4:3	4:3	4:3
Horizontal Frequency	15 - 100 kHz	15 - 100 kHz	15 - 100 kHz
Vertical Scan Rate	50 - 120 Hz	50 - 120 Hz	50 - 120 Hz
Lens	f1.7 to 2.0	f1.7 to 2.0	f1.7 to 2.0
Dimensions (WHD)	12.2 x 4.3 x 10.4"	12.2 x 4.3 x 10.4"	12.2 x 4.3 x 10.4"
Weight	6.6 lbs.	6.6 lbs.	6.6 lbs.

LV-7565

XGA 5100 Lumens Installation Projector

Canon's brightest and most versatile LCD projector, the LV-7565 illuminates large spaces with a powerful 5100 ANSI lumens while offering an exceptional array of optional Canon lenses. This provides presenters with greater choices than ever before in meeting the needs of large and demanding venues such as meeting centers, sizeable conference rooms, concert and lecture halls, schools, university theatres, houses of worship, museums, galleries, and fixed corporate installations.

In addition to the standard 1.3x lens, the LV-7565's versatility is enhanced by four optional interchangeable Canon lenses which maximize the projector's efficiency in various room sizes. Other features include native XGA resolution with support for SXGA through high-quality compression, 1000:1 contrast ratio and Silent mode (reduces fan noise to 35dB). It has a DVI terminal for high-quality digital projection when linked with a computer, as well as inputs for a wide range of devices including DVD, HDTV and digital camcorders. With the optional LV-NI01 Network Imager you can control a variety of projector functions via Ethernet from a networked computer, including power on/off, input switching, and picture adjustments. System status messages-such as a projector-lamp replacement alert can be customized and automatically e-mailed. The Network Imager can also remotely transfers images from a computer to the projector and can centralize the control of multiple LV-7565 units.

FEATURES

Incredible Brightness

◆ Perfect for theatres and big boardrooms, Canon's most powerful portable XGA projector is one of the brightest projectors you'll find anywhere. In True Color Mode, it packs a stunning 4400 ANSI lumens. Better yet, when you need even more brilliance, the LV-7565's Brighter Mode gives you a remarkable 5100 ANSI lumens

◆ Projector's native XGA resolution (1024 x 768) means impressive video and text images. The LV-7565 even supports SXGA (1280 x 1024) through advanced, high-quality compression, giving you brilliance that matches the brightness.

◆ With an impressive 1000:1 contrast ratio, you get stunning images that your audience won't forget.

◆ Despite its power, the LV-7565 is a super quiet performer. On top of that, Silent Mode reduces fan noise to an ultra-quiet 35dB - perfect for smaller rooms and situations that require even less noise.

Versatile Connections

What's the use of all that power, if you can't connect it to the right source? With the LV-7565, you don't have to worry. Equipped with advanced connection options, you can hook it up to your notebook or desktop PC, digital camera, digital camcorder, VCR, or HDTV. Not only that, the Progressive Scan Converter feature lets you input any interlaced signal - including 1080i HDTV. Plus, when you hook up the LV-7565 to a DVD player, the projector's 3:2 pulldown minimizes motion artifacts on DVDs that were transferred from film. Whether it's a business presentation, holiday snapshots or videos, or your favorite HDTV show - there's nothing this projector can't handle.

Networking Capability

Using the optional LV-N101 Network Imager, you can connect the LV-7565 to a computer network, enabling remote management of the projector. Through an easy-to-use, graphic user interface, you can turn your projector on and off, switch inputs, or adjust the picture. You even can program it to operate on daily or weekly schedules. Because it's part of your network, you can transfer images to it from any computer on your system. When a lamp needs replacement or you would like a system status update, you receive messages via e-mail from the projector. You can even manage more than one LV-7565 from a single computer.

LV-7565

Image Control Circuitry

Image control means image quality. Equipped with Canon's Image Circuitry, the LV-7565 gives you nothing short of perfection.

– Color Management tool lets you fine-tune a single color without affecting other colors.

– Intelligent Image Sharpness lets you sharpen parts of your image while avoiding text (which can be deteriorated by correction).

– Auto Picture Control automatically optimizes your image

– 3D Noise Reduction gets rid of brightness and color noise, leaving a clear, clean picture.

High Performance

◆ With the LV-7565, there is never a bad seat in the house. Everyone has a good view of the screen. That's because the Power Lens Shift lets you raise the screen position to the perfect height - quickly and easily - without tilting the projector.

◆ With Digital Keystone Correction, you can quickly eliminate distracting keystone distortion and project a perfectly square image. Tilt the projector 40° up or down, or 10° from side to side, and keystone correction gives you a perfectly square screen effortlessly.

◆ Canon's most powerful performer is also a portable one. Despite its stunning 5100 ANSI lumens (Brighter Mode), the LV-7565 still weighs in at under 21 lbs. Plus, all that power fits into a body that is surprisingly compact. Measures 12.6 x 6.6 x 18.3˝ (WHD).

Additional Features

◆ Supplied with a wireless remote control enabling you to operate both the projector and connected computer.

◆ Laser pointer function is also provided to make your presentation more smooth. The remote control can be wired if necessary.

◆ Turbo Bright function to enhance picture brightness: No Show function to black out an image; P-Timer function to count down time (00:00 —59-59).

◆ 3-Year Parts and Labor Warranty, and a 120 Day Lamp Life Warranty.

LV-7565 Optional Accessories

Replacement Bulb (CALVLP22) **449.95**

Ceiling Mount Adapter (CALVCL07) **469.95**

Network Imager (CALVNI01).....................**469.95**

24-Pin DVI Cable (CALVCA29) **69.00**

RS-232 Cable (CALVCA26) **39.95**

Mouse Control Cable: Available for Mac (CALVCA27) and PS/2 ports (CALVCA25).........**39.95**

Mouse Extension Cable (CALVCA28) ...**149.95**

Optional Lenses

Combine Canon's brightest projector with a wide array of lenses, and you have a combination that will work in every situation imaginable. Of course, the LV-7565 comes with a sharp, versatile Genuine Canon Optics, 1.3x Optical Zoom. With a projection distance of 6' to 53', the lens gives you a diagonal screen as compact as 31" and as big as 400".

LV-IL01

LV-IL02

LV-IL03

LV-IL04

But the LV-7565 can also be paired with optional lenses: an ultra wide angle, a wide angle zoom, a long focus zoom, or an ultra long focus zoom. The wide angle lenses give you big screen performance even with short projection distances, while the long focus lenses let you maintain a manageable screen size over long distances. The zooms allow you to set the perfect screen size. No matter what your needs, there's an LV-7565 and lens combination that's right for you.

LV-IL01 Ultra Wide Angle Lens
Lens: f=22.33 mm, F2.5
Projected Image Size: 70" to 120"
Throw Distance: 3.7 to 6.4'

LV-IL03 Long Focus Zoom Lens
Lens: f=63.5 to 111.5mm, F2.03 to 2.89, 1.8x zoom
Projected Image Size: 60" to 300"
Throw Distance: 8.9 to 46.7'

LV-IL02 Wide Angle Zoom Lens
Lens: f=34.33 to 48.02 mm, F2.5 to 3.06, 1.4x zoom
Projected Image Size: 40" to 300"
Throw Distance: 3.2 to 25.4'

LV-IL04 Ultra Long Focus Zoom Lens
Lens: f=111.6 to 155.2mm, F2.06 to 2.73, 1.4x zoom
Projected Image Size: 40" to 300"
Throw Distance: 11.4 to 82'

LV-7565 SPECIFICATIONS	
Native Resolution	XGA (1024 x 768) Resolution; Compressed SXGA (1280 x 1024) Resolution
Brightness	Bright Mode: 5100 ANSI Lumens; Standard Mode: 4300 ANSI Lumens
Projector Display	LCD 1.3" TFT (Thin Film Transistor) Polysilicon Type x3 with Micro Lens Array
Focus/Zoom	Powered Zoom and Focus, 1.3x Optical Zoom
Contrast Ratio	1000:1
Aspect Ratio	4:3 Regular Full Screen
Dimensions (WHD)	12.6 x 6.6 x 16.9"; weighs 17.6 lbs.

REALiS SX50/X600/SX60/SX6
High Resolution REALiS Multimedia Projectors

*Whether a professional photographer or graphic artist who needs to display large, high-resolution digital images with precise color. Or business presenters and educators projecting spreadsheets and technical drawings in stunning detail, Canon's REALiS projectors provide the features and performance to meet their needs. They combine exceptional brightness and contrast from Canon's "AISYS-Enhanced" LCOS technology with a one-touch simplified set-up for an unprecedented level of ease. The **REALiS X600** is an XGA, LCOS projector that delivers high quality and exceptional color reproduction at an affordable price. Ideal for business presentations and boardroom installations, this virtually silent (31dB operating noise level) projector provides excellent price-performance with 3500 lumens for clear display of large images, even in bright situations.*

*The **REALiS X60** is designed to meet the demands of those professionals who desire critical viewing applications (engineers, designers, etc.) SXGA+ (1400 x 1050) resolution with lattice-free properties reveals the most intricate details. And with 2500 lumens it achieves clear display of images, even in bright indoor environments. Exceptionally quiet (27dB noise level), it includes a Home Cinema Mode, which provides a 2000:1 contrast ratio for display of crisp blacks essential to defining cinematic images with depth and dimension. The **REALiS SX6** features SXGA+ (1400 x 1050) resolution, 1000:1 contrast ratio, and offers smooth, lattice-free images and outstanding color reproduction with Adobe RGB and sRGB color support. This enables professional artists, photographers, and printing professionals to project their images with the clarity and color accuracy that matches the original images. With 3500 lumens, it clearly displays large images even in brightly lit environments like shopping malls and museum exhibits.*

Unlocking the Power of LCOS: AISYS Technology

At the very heart of these projectors is Canon's patented, proprietary latest generation AISYS (Aspectual Illumination System) optical system. AISYS enhances LCOS technology to achieve crisp, color-rich, intricately detailed images by efficiently utilizing and equalizing light from the projector lamp. Canon's AISYS-enhanced LCOS technology displays exceptionally detailed, seamless, lattice-free motion or still images. With Canon LCOS projectors, you get all the brilliance and image sharpness of innovative LCOS technology, but in an ultra-portable and affordable projector unlike any others on the market. It's the right choice for displaying bright, big-screen images without darkening the conference room or classroom.

LCOS, or Liquid Crystal On Silicon, has taken projectors to a whole new level. This new technology means higher resolution images, seamless images with no flickering or "screen door" effect, quick image response for better looking moving images, smooth rendition of fine lines, seamless photo reproduction, sharp display of small text, and crisp blacks.

Canon realizes the full potential of LCOS technology by combining it with their proprietary and improved AISYS Engine — a patented optical light engine for achieving brightness and high contrast using LCOS panels. AISYS has three components: the illumination system; the color separation and combination system; and the LCOS panels. Canon's innovative AISYS technology achieves the right balance of contrast, brightness and compact size to maximize the performance of LCOS. Plus, the advanced AISYS optical engine features new optical elements, redesigned polarizing beam splitters, and a reconfigured optical layout. The result is improved light efficiency, uniformity and expanded color space.

REALiS SX50/X600/SX60/SX6

Canon Optical Performance

◆ Project a positive image with genuine Canon optics. As with every camera or projector that Canon makes, the REALiS series comes with optics of unparalleled excellence that give you a bright, crisp, clear image with no flare or distortion.

◆ They are equipped with a 1.7x ultra-wide zoom lens, giving you a diagonal screen size range of 40" (at a very short projection distance of 3.9') to 300". At a short 9.8' you still get a 100" screen. And if that's not enough, a digital zoom gives you an additional zoom range of 1.5x to 12x.

High Resolution

◆ The SX600 features XGA (1024 x 768) resolution, while the VGA input supports WXGA (1366 x 768) which is used in today's wide screen laptops. Also supports HDTV sources.

◆ The REALiS SX60 and SX6's SXGA+ resolution gives you the crispness of 1400 x 1050 lines of resolution— letting you keep pace with the increasing resolution of notebook computer displays. Plus, they let you display 720p HD movies natively without compression. They also support UXGA (compressed), along with WXGA (1366 x 768) which is used in today's wide screen laptops.

◆ In addition to high quality and flexibility, they boasts an impressive 1000:1 contrast ratio for sharp images and deep, rich colors — even with ambient light. They also give you 88% image uniformity for an even image from corner-to-corner.

◆ In addition, the REALiS SX60 boasts a 2000:1 contrast ratio in Home Cinema Mode. It's perfect for an enhanced home cinema experience when you have control over your lighting environment and can minimize ambient light.

◆ HDTV compatible, they display 16:9 HDTV broadcast images (720p), giving your audience a high-definition, widescreen experience. It's a cinematic experience that is further enhanced by their 2:3 Pulldown feature on Progressive Scan images. The result is an image with the natural look of film.

Easy-to-Setup

◆ Keystone Correction lets you project a perfect image by correcting for keystone distortion of ±20° horizontally or vertically. Plus, depending on your requirements, they can be used for rear-projection, or you can mount them on the ceiling with an optional Ceiling Mount Adapter.

◆ With the touch of a button—the Auto Setup feature—in seconds identifies and selects the input source, corrects keystone distortion, sharpens focus, and adjusts for wall color:

— Auto Focus: they measure the distance to the screen and make projected image razor-sharp

— Auto Input: the projector automatically detects the input port

— Auto Keystone: keystone correction is automatically applied

— Auto Screen Color Correction: the projectors automatically compensate for the color of the projection surface

Easy-to-Use

◆ Once set up, things get even easier. They are equipped with a wealth of features and functions to make your presentations extremely smooth and problem free.

– Guidance Functions display operating instructions in an on-screen window. For example, it lets you know when your projector doesn't detect an input signal.

– A Graphical User Interface with 3 menus offers quick access to display settings, image adjustments and system settings. Its well thought-out command hierarchy means you're never more than three steps away from any adjustment or operation you need to make.

– Illuminated input indicators show your projector's connections and operational status at a glance. Plus, front and rear infrared sensors let you control them with a wireless remote from in front of or behind the projector.

◆ You never have to wait for the projectors to cool down before unplugging them to head to your next meeting — the projector's fan continues to operate, powered by an internal charging system. You can also turn the projector off by unplugging it — a convenient feature when the projector is mounted on the ceiling and can't be operated directly.

◆ Finally, when you're finished with the presentation, you can use the Pin Code Lock and Function Key Lock to control its use. Once the password is set, you will need to enter the password each time you turn on the projector.

Versatile Connectivity

All that brilliance and image quality means nothing if you don't have the right inputs. The REALiS series gives you an impressive range of input options including:

Analog PC: SXGA, XGA, SVGA, VGA

Digital PC: XGA, SVGA, VGA

DVI Video: 1080i, 1035i, 720p, 575p, 480p

Component Video: 1080i, 1035i, 720p, 575p, 575i, 480p, 480i

Composite Video and S-Video: NTSC, PAL, SECAM, NTSC 4.43, PAL-M, PAL-N

Their DVI-I terminal gives you a true digital connection — from source to display. Since it conforms to HDCP (High Bandwidth Digital Copy Protection), you can use them to project high quality video from satellite and digital cable boxes, as well as DVD players — without any reduction in image quality. (The terminal also accepts an analog signal from your laptop computer, and devices with a VGA terminal.)

REALiS SX50/X600/SX60/SX6

Conveniences

◆ In the classroom or office, use their Spotlight feature to dim your image except for the area you want everyone to pay attention to. That way, you can make sure your audience sees exactly what you want them to see.

◆ All the while, you can be sure your audience isn't distracted by fan noise. In Normal mode, they run at 35dB; in Quiet mode, at 31dB. Plus, you won't be distracted because they can be operated effortlessly with the help of the Wireless IR Remote Control with illuminated keys, or with a USB mouse.

◆ With dimensions of 8.9 x 13.2 x 4.5" (WDH) and a weight of only 10.4 lbs., they are ultra-portable and compact projectors that are easy to carry and set up, wherever you need them. And with an array of advanced and well-designed features, they are also extremely easy to use.

◆ They make your life easier with a 3-year parts and labor warranty and 120-day lamp life warranty.

Advanced Color Management

Complete Color Control:

◆ With their unparalleled color control, the projection screen is your canvas. An easy-to-use GUI lets you adjust your palette of colors to paint the picture you want for your audience.

◆ With Memory/Vivid Color Correction, you can adjust the degree of vividness of each of the primary colors (red, green, blue) and each of the secondary colors (cyan, magenta, yellow). Choose between low, medium, and high to project the image the way you remember it.

◆ 6-axis (RGBCMY) Color Adjustment lets you fine-tune the hue and saturation of each of the primary and secondary colors, making each projected image a masterpiece.

Color Modes:

◆ With the REALiS X600 and SX60 you can select between four Color Modes, each one designed for a different type of projection:

– Standard mode gives you images closely resembling the original, with an emphasis on white areas.

– Presentation mode increases contrast between bright and dark areas, making it easier to see detailed diagrams and text.

– sRGB mode is optimized for sRGB images, which includes those produced by many digital cameras.

– Movie mode emphasizes gradation to produce realistic depth and dimension — the best way to watch your favorite video.

◆ The REALiS SX60 (only) adds a Home Cinema mode that controls brightness while enhancing contrast to a ratio of 2000:1; it's ideal for the watching movies in pitch-dark rooms

◆ The REALiS SX6 also has a Standard, Presentation and sRGB mode, but instead of a Movie mode, it has a Movie and Photo mode for the display of video and digital camera images, clearly defining gradations and improving color reproduction

◆ The REALiS SX6 (only) also has an Adobe RGB color mode. Adobe RGB is a larger color space, enabling the reproduction of more colors — and is ideal for professional photographic studios, graphic design studios and printers who need to display images with accurate, uniform color. The SX6 gives you the widest range of Adobe RGB color space found in any projector.

◆ You can also create custom settings by adjusting 7 different aspects (brightness, contrast, sharpness, gamma, and more) for each of the four image modes. That means 28 different custom image modes in total, and that means a perfect picture, no matter what you're viewing.

REALiS SX50

The REALiS SX50 was the original multimedia projector with super-high (SXGA+) resolution utilizing Canon's patented proprietary AISYS (Aspectual Illumination System) technology, to deliver high brightness and high contrast with outstanding image quality in a compact size.

Basically the same as the REALiS SX60 it offers high brightness of 2500 lumens and a contrast ratio of 1000:1 It weighs only 8.6 lbs. and features a genuine Canon high-performance 1.7x optical zoom lens that can project a 100" image on a screen from 9.8' away. A projector well suited for the HDTV era, the REALiS SX50 can display true 16:9 720p HD broadcast images. And for digital cinema enthusiasts, the REALiS SX50 projector's special 2:3 pull-down circuitry converts interlaced 480 and 575 video to progressive-scan imagery.

It includes multiple input jacks and connectors, and can accept a wide variety of digital and analog computer-display formats. Other inputs include DVI video and all major component, composite, and S-video inputs. All connectors attach from the side of the projector housing, making for a more attractive presentation environment. Suitable for front or rear projection, the REALiS SX50 comes complete with a wireless remote control, connector cables, and a soft carrying case. Standard features include digital keystone adjustment, PIN Code Lock & Key Lock, a user-friendly menu system (in 13 selectable languages), ceiling mount compatibility, and RS-232 control/USB mouse control.

REALiS SX50/X600/SX60/SX6

	REALiS SX50	REALiS X600	REALiS SX60	REALiS Sx6
Native Resolution	SXGA+ (1400 x 1050)	XGA (1024 x 768)	SXGA+ (1400 x 1050)	SXGA+ (1400 x 1050)
Display Technology	Reflective LCD Panel, 0.7 x 3" AISYS Optical Engine	Reflective LCD Panel, 0.7 x 3" AISYS Optical Engine	Reflective LCD Panel, 0.7 x 3" AISYS AISYS Optical Engine	Reflective LCD Panel, 0.7 x 3" AISYS Optical Engine
Input Sources	Component, S-Video, Composite, VGA, DVI-I USB	Component, S-Video, Composite, VGA, DVI-I Audio, USB	Component, S-Video, Composite, VGA, DVI-I Audio, USB	Component, S-Video, Composite, VGA, DVI-I Audio, USB
Output Terminals	RGB Out - (RGB switchable in/out) Line 2	RGB (D-Sub 15 Pin) x1	RGB (D-Sub 15 Pin) x1	RGB (D-Sub 15 Pin) x1
Computer Compatibility	VGA, SVGA, XGA, SXGA SXGA, UXGA	VGA, SVGA, SXGA HDTV, DTV	SXGA, WXGA, XGA, SVGA, VGA, HDTV, DTV, UXGA	SXGA, WXGA, XGA, SVGA, VGA, HDTV, DTV, UXGA
Video Compatibility	NTSC, PAL, SECAM, NTSC4.43, HDTV, DTV (1080i, 1035i, 720p, 575p, 480p)	NTSC, PAL, SECAM, NTSC4.43, PAL-M, PAL-N	NTSC, PAL, SECAM, NTSC4.43, PAL-M, PAL-N	NTSC, PAL, SECAM, NTSC4.43, PAL-M, PAL-N
Lumens	2500 Lumens	3500 Lumens	2500 Lumens	3500 Lumens
Contrast Ratio	1,000:1	1,000:1	1,000:1	1,000:1
Projection Lens *(std.)*	1.7:1 Zoom with manual focus & zoom	1.7:1 Zoom with manual focus & zoom	1.7:1 Zoom with manual focus & zoom	1.7:1 Zoom with manual focus & zoom
Projection Distance	3.9' – 29.9'	3.9' – 29.9'	3.9' – 29.5'	3.9' – 29.5'
Image Size *(Diagonal)*	9.8' to 16.4'	9.8' to 16.4'	9.8' to 16.4'	9.8' to 16.4'
Lamp *(Bulb)*	200W NSH	270W NSH	180W NSH	270W NSH
Aspect Ratio	4:3 (standard); 16:9 video, data	4:3 (standard); 16:9 video, data	4:3 (standard); 16:9 video, data	4:3 (standard); 16:9 video, data
Screen Projection	Front and Rear	Front and Rear	Front and Rear	Front and Rear
Ceiling Mountable	Yes	Yes	Yes	Yes
Keystone Correction	±20° vertical correction	±20° vertical correction	±20° vertical correction	±20° vertical correction
Built-in Speaker *(audio)*	1 Watt Mono	1 Watt Mono	1 Watt Mono	1 Watt Mono
Controls	Wireless Remote with illuminated keys	Wireless Remote	Wireless Remote	Wireless Remote
Power Requirements	100V - 240V	100V - 240V	100V - 240V	100V - 240V
Power Consumption	290 Watt	355 Watt	250 Watt	355 Watt
Dimensions *(HLW)*	11.2 x 3.8 x 11.3"	13.2 x 4.5 x 8.9"	13.2 x 4.5 x 8.9"	13.2 x 4.5 x 8.9"
Weight	8.6 lbs.	10.4 lbs.	10.1 lbs.	10.4 lbs.

XJ-360

Ultra-Compact DLP XGA Projector

Casio has drawn upon it's expertise in the miniaturization of consumer electronics and extensive experience in digital cameras and optical design to create a mobile projector that is a leader in size/performance ratio.

Weighing just 3.9 lbs. the XJ-360 features Auto Vertical Keystone Correction, optical 2x zoom and puts out an amazing 2200 lumens —enough to keep the lights on during the presentation, and invaluable for people taking notes. The 2x optical zoom enables you to fill a 60" screen in an office that's less than 6' deep. This is important for those one-on-one presentations or when the size of the meeting room limits the image size capabilities of other projectors. Best of all, it about the size of a hard cover book, it easily fits into your brief case or carry-on-luggage.

FEATURES

Ultra-Portable

◆ Casio's optical design and proprietary lamp technology combine to provide a high-brightness projector in an ultra-portable package. Casio's optical system with aspherical lens design combines with the use of low dispersion glass to deliver superior images in a package that is 1/3 the size of previous models. The XJ-360 is a minuscule 9 x 2.16 x 6.73" (WxHxD) size configuration, and weighs only 3.9 lbs. It is about the size of a hard cover book and easily fits into a brief case or carry-on luggage when on the road, or carries in-hand for in-house presentations

◆ An optical system built around a proprietary IMC (Inverse Meniscus Condenser) lens reduces the size of the lens by 30%.

Native XGA Support

◆ The XJ-360 features true XGA (1024 x 768) signal resolution and supports UXGA (1600 x 1200) in a compressed mode. Video input terminals allow signal input from a variety of different sources.

◆ High 2000:1 contrast ratio. The larger the contrast ratio, the greater the ability of a projector to show subtle color details and tolerate extraneous room lighting.

2x Optical Zoom

◆ Equipped with a wide-angle zoom lens that provides 2x optical zoom capabilities. This results in the ability to project images at a minimum distance of just 32" or within a range of 5.2' to 10.5' when using a 60" screen. Now the projector is easily adaptable to any sized environment, from an office meeting of only a few people, to full classroom applications.

High-Brightness

◆ Unique asymmetrically designed lamp reflector maximizes the performance output of the projection lamp. The result is increased brightness that is 30% greater than normal.

◆ Using Digital Light Processing (DLP) display from Texas Instruments the XJ-360 projects 2200 lumens of brilliant colors to captivate any audience.

Connections

◆ The XJ-360 features multi-system (NTSC, PAL, PAL-M and SECAM) component RGB, composite, S-Video and stereo audio inputs.

◆ An RGB output terminal is also provided, enabling you to connect the projector to a desktop PC monitor and project images on the monitor, simplifying PC operation.

Vertical Auto Keystone Correction

◆ To counteract screen distortion, the XJ-360 detects vertical inclinations of the main unit up to ±20° and automatically corrects distortions resulting from the installation position. You and your audience will enjoy well-proportional, easy-to-see screen images from a wider choice of projector positions.

Ceiling Mount

◆ For those who want to hang the XJ-360 in a fixed position from the ceiling in a meeting room, classroom or exhibition room. The projector reverses the images vertically and projects them correctly, even when hung upside down from the ceiling.

Additional Features

◆ Additional features include Digital Zoom, Mute, Freeze, Pointer (selectable arrow or bar shape and four orientaions), Color mode (optimizes image color depending on the presentation–standard, graphics, theater, blackboard, Low-Noise mode (reduces the luminosity of the projection lamp and the speed of the cooling fan for quieter operation). The XJ-360 also offers an 8-digit password.

XJ-560 Compact DLP XGA Projector

Weighing just 5.9 lbs., the XJ-560 steps-up with ±30° vertical and horizontal keystone correction, autofocus and puts out an amazing 3000 ANSI lumens —enough to keep the lights on during the presentation, and invaluable for people taking notes. It also adds Picture -in-Picture, Direct Power off, and custom logo projection.

Step-up features from the XJ-360

◆ Features the world's first phase differential sensor system for automatic vertical and horizontal correction and auto focus.

◆ Stunning 3000 lumens lets you project an undistorted image onto a screen from almost any angle without time-consuming manual adjustment to square up the image.

◆ Picture-in-Picture permits layered display of images and movies from the composite or S-Video input as small screens over a projected background image. The screens can be repositioned and be adjusted in 3 sizes.

◆ Direct Power Off provides fast cool-down. The cooling fan continues to operate for a certain time, even after the power is turned off and the power cord unplugged.

◆ Custom logo function enables presentations to start with a company logo or mark.

	XJ-360	XJ-560
Native Resolution	XGA (1024 x 768)	XGA (1024 x 768)
Brightness	2200 ANSI lumens	3000 ANSI lumens
Contrast Ratio	2000:1	2000:1
Focal Length/Aperture	f: 20.0 to 40.0mm/F:2.0 to 2.8	f: 20.0 to 40.0 mm/F:2.0 to 2.8
Projection Ratio	1.4 - 2.8 : 1	1.4 - 2.8 : 1
Resolution	800 x 600 (expanded) to 1600 x 1200 (compressed)	800 x 600 (expanded) to 1600 x 1200 (compressed)
Horizontal Frequency	15 - 92 kHz	15 - 92 kHz
Vertical Scan Rate	50 - 85 Hz	50 - 85 Hz
Video Compatibility	PAL-N, PAL-M, PAL60, SECAM, NTSC	PAL-N, PAL-M, PAL60, SECAM, NTSC
Dimensions (WHD)	9.1 x 2.2 x 6.7"	10.9 x 2.5 x 8.4"
Weight	3.96 lbs.	5.96 lbs.

XJ-S30 • XJ-S35 Super Slim XGA Projectors with 2x Zoom Lens

Using a proprietary light source and cooling technologies, Casio's XJ -S30 and XJ-S35 Super Slim Projectors are just 1.69" high (1.26" at the thinnest point) and deliver 2000 lumens of brightness – making them easy to carry along with a notebook PC for use in client meeting rooms and other bright locations, with no need to dim the lights. They incorporate a highly compact wide-angle 2x zoom lens and a lead-screw drive system that puts lenses in-line within the lens tube. This enables images to be projected from as close as 2.76', or as far away as 5.58' to 11.15' when using a 60" screen. This versatility allows for use in everything from small meeting rooms to larger conference halls and class rooms.

NEW!

The XJ-S35 incorporates Casio's YP-100 Multi-Functional Presentation Kit (sold as an option for the XJ-S30) enabling you to make PowerPoint and other presentations without a PC. Images stored on commercially available USB memory, can be projected without using a PC (after conversion using the bundled software). Still images (JPEG/BMP) and video files (AVI format files compatible with MPEG 4 or Motion JPEG) stored on portable USB memory can be projected by inserting the memory device into the projector's USB port.

In addition, an option USB wireless adapter frees you to deliver presentations without having to stay near the projector. It allows up to four Windows (2000 or XP) PCs to be wirelessly connected after installing simple software. This makes it easy to conduct meetings that bring together multiple presentations on different PCs in locations removed from the projector.

(212) 444-6605 • 1-800-947-9905 • Quick Dial 821

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POWERLITE S3

Ultra-Portable 1600 Lumens SVGA Projector

Enjoy larger-than-life images that fill your home, office, or classroom with the PowerLite S3. An affordable 5.6 lb. SVGA projector, this ultra-portable delivers 1600 ANSI lumens so you can experience the thrill of movies, sports, video games and more with oversized images that surpass even big-screen TVs. Epson 3LCD technology ensures accurate color and remarkable saturation, even in well-lit rooms. And, specialized color modes mean you get the most vibrant images, whatever the situation.

With smooth video playback, on-screen action sequences come alive. Best of all, the PowerLite S3 makes setup a breeze, even for first-time users. With its 5-second startup time and time-saving Instant Off feature, it's always ready to perform!

FEATURES

High Quality/Brightness

◆ Ultra bright 1600 ANSI lumens for color-rich presentations in the office or at home

◆ Epson 3-LCD technology provides outstanding image quality and performance. And it is HDTV-ready, so you can use it with both traditional and wide-screen formats (4:3/16:9).

– Consistently delivers vibrant images and rich color saturation— a difference you see. It also offers deep, extensive gray scale for precision detail—even subtle gradations are visible.

– Smooth video playback keeps the audience's attention on the on-screen action. Ideal for formal presentations or entertaining friends, this affordable, big-screen performance makes it easy to enjoy DVDs or video games with amazing color and detail.

Easy Installation and Setup

◆ Power-on and -off beeps lets users know the projector has received their commands.

◆ Easy setup features, including a startup time of 5-seconds and automatic source detection to help avoid presentation delays and reduce pre-presentation jitters.

◆ Color-coded cables make connectivity easy for first-time users.

◆ +/- 30° keystone correction for greater positioning flexibility without any distortion.

◆ Source Search feature automatically recognizes, and displays, all sources connected to the projector, identifying which are on or off.

◆ 135w bulb has a lamp-life of 2000 hours in high brightness mode and 3000 hours in low brightness mode.

Selectable Projection Modes

◆ The projector offers a host of modes to customize the viewing experience.

– Presentation mode (default) automatically optimizes the viewing experience by providing high-contrast images with brighter whites. Can be used in bright settings. Accomodates Word, Excel and PowerPoint presentations.

– Theater mode to watch your favorite videos and enjoy an authentic theater experience. Ideal for DVDs, it gives priority to accurate color reproduction of film images. Can be used in dark settings.

– Photo mode with black and white enhancement levels provides high-contrast images with vivid detail. Allows viewing of more detail, even in over- and under-exposed images. Can be used in bright environments.

– Sports mode is great for TV and video content, delivers bright, TV-like images. Can be used in bright environments

– Game mode is great for PC/video game content. Offers remarkable detail, especially for darker images

– Blackboard mode is best for images projected on blackboards. Adjusts color for green backboards.

Outstanding Service and Support

◆ Includes Epson two-year limited warranty) and 90-day lamp warranty for added dependability

◆ Provided at no additional cost for the duration of the warranty:

— Epson Road Service Program provides a replacement projector, typically within 24 hours

— Dedicated toll-free support line available from 6 AM. to 6 PM Monday – Friday. Calls are answered live in about a minute.

POWERLITE S3

High Performance

◆ An on-screen display of RGB levels enables users to adjust the red, green, and blue levels independently.

◆ 1.35x digital zoom for a greater range (from telephoto to wide-screen). An on-screen gauge makes it easy to adjust the zoom.

◆ Within it's Photo mode is a B&W level enhancer to display high-contrast images. The black level enhancer brings out the detail in darker, under-exposed images. The white level enhancer expands the dynamic range by stretching the gamma curve in bright, over-exposed images.

◆ Selectable high-speed fan to quickly cool the projector, especially in high elevation locations.

Security Features

◆ Password-protected security features include timer, logo and key lock protection, prevent theft and unauthorized access

– This includes password protection to prevent unauthorized usage.

– Password timer makes it possible to loan or rent the product out for a set period of time.

– Logo capture enables the owner to display their logo at startup in order to deter theft.

– Key lock feature prevents tampering, which is ideal for classroom applications.

– Kensington lock prevents theft wherever the projector is setup.

Conveniences

◆ The projector doesn't require any cool-down time. The convenient Instant Off feature allows you to power down immediately following a presentation, then unplug the projector and get back on the road.

◆ Full-featured remote control to switch sources, control presentation functions, and more

◆ Direct Power Off feature enables users to turn ceiling mounted projectors on and off with a simple flip of a light switch.

◆ Conveniently placed lamp and air filter access (lamp is located under the lens, the air filter on top of the unit), allows easy, affordable changes, even when the projector is ceiling-mounted.

Projector Accessories

S3 Replacement Lamp (EPLPLS3) **189.00**

Air Filter Set (EPAFPL740C)
Replacement. Set of two **14.95**

Ceiling Mount (EPELPMBUNI)......................**148.95**

Suspension Adapter (EPSAELPMB32)
Adds 24-46" of extension to the Universal Ceiling Mount. It can be installed to pipe or a level permanent ceiling.............................**154.95**

False Ceiling Plate (EPELPMBFCP).............**149.95**

Adjustable Ceiling Channel (EPELPMBACC)
Sits above ceiling tiles within the T-bar of a standard suspended ceiling frame. The plate allows precise projector placement with over 9" of continuous movement. Security screw holds threaded pipe securely in place. Ceiling plate is not included or required **99.95**

Security Bracket/Cabling (EPELPMBSEC)
Protects the mounting points on the chassis as well as two of the mounting points at the ceiling for added safety and security. For Gyro lock mounts. Not compatible with the Suspension Adapter) **54.95**

Distribution Amplifier (EPELPDA01)
A distribution amplifier that offers MONITOR OUT for projectors without this feature. This unit is high performance, 1:2 (one-in and two-out), distribution amplifier for both high and low resolution computer video **116.95**

Component Video Cable (EPELPKC19)
A 3-meter cable that delivers the highest video quality **89.95**

S-Video Cable (EPELPSV01)
10' male-to-male S-video cable provides improved signal integrity over a composite video connection **24.95**

Wheeled Soft Case (EPELPKS35S)
A carry-all case for your projector and laptop by Samsonite. Recessed rollerblade wheels offer smooth maneuvering. Executive business compartments plus many accessory storage areas. 20 x 14 x 9" (WDH)..............**189.95**

Soft Shoulder Case (EPELPKS43)
A compact shoulder case by Samsonite that has a generous adjustable compartment for your projector, a compartment for your notebook computer, multiple pockets for accessories, a top carry handle and an adjustable shoulder strap with a shoulder pad. 15.5 x 7 x 12"...**89.95**

ATA Molded Hardshell Case (EPELPKS54)
With wheels, a handle, and customized interior compartments to protect your projector, and store the remote control and cable set. Smooth ball-bearing wheels make maneuvering effortless. 22 x 15¾ x 10" (WDH). Weighs 10 lbs...**224.95**

50" Portable Screen (EPELPSC06)
40 x 30" (WH), it weighs 5 lbs. A special coating to allow wide-angle viewing true color reproduction......................................**328.50**

60" Portable Pop-up Screen (EPELPSC07)
47.2 x 35.4" (WH), it weighs 14.1 lbs.........**446.50**

80" Portable Pop-up Screen (EPELPSC08)
63 x 47.2" (WH), it weighs 16.3 lbs **699.95**

**83.6" Cassroom-Style
Pull-Down Screen** (EPELPSC09)................**169.95**

Kensington Security Lock (EPELPSL01)
This anti-theft solution locks and unlocks in seconds for quick security in convention centers, hotels, conference rooms and other high traffic environments **59.95**

Wheeled Soft Case

Kensington Security Lock

Suspension Adapter

False Ceiling Plate

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POWERLITE 62C/82C

Portable 2000 Lumens SVGA and XGA Projectors

Enjoy the brilliance of 2000 ANSI lumens, plus a host of high performance features for incredible presentation flexibility at an affordable price. The PowerLite 62c (SVGA) and PowerLite 82c (XGA) provide exactly what you need for any presentation. Multiple connectivity options, plus powerful 5w audio, make them the perfect fit for the classroom or board room.

The PowerLite 62c and 82c both include the Epson high-aperture LCD which combine with their incredible brightness to deliver accurate color, superior color saturation, and remarkable image quality in any setting. And with four input connections and automatic source selection, setup and operation couldn't be easier! Add whisper-quiet operation, unbeatable reliability and a convenient carrying case, add now anyone can deliver quality presentations that really make the grade. Plus they're backed by renowned Epson service and support.

FEATURES

High Quality/Brightness

◆ Incredible brightness from two sleek, versatile projectors. Ultra-bright 2000 ANSI lumens allows presentations in any setting. Works great in large conference rooms and classrooms.

◆ Three Epson high-aperture LCDs for greater color depth and color accuracy.

◆ Accurate color registration for rainbow-free and crisp, detailed video and data images.

◆ The PowerLite 62c features SVGA (800 x 600) resolution for sharp, vivid images)

◆ The PowerLite 82c offers XGA (1024 x 768) resolution for vibrant images with precision color and detail

◆ HDTV-ready, they support 480i, 480p, 720p, and 1080i formats

Quiet and Unobtrusive

◆ Whisper-quiet operation (36db/30db) ensures the presentation is the center of attention

◆ Cooling fan located in front of the projector for a comfortable viewing experience

◆ Conveniently located access panel permits easy replacements of the lamp and air filter, even when the projector is ceiling-mounted.

Great Audio

◆ Powerful 5W audio so there's no additional audio expense. The volume for the internal speaker can be controlled through the projector's remote. This also applies to any external speakers that are connected to the audio out port.

Connectivity

◆ Flexible connectivity options include two computer and two video inputs, each with dedicated audio. The video inputs accept component (optional cable required), composite and S-Video signals. They support 480i, 480p, 720p and 1080i HDTV signals.

◆ Third-party network monitor and control management capabilities via the RS-232C port:

— For installation applications, the projectors can be polled, via RS-232C programming, for a status query, regardless of the current mode (either Standby or Power On).

— With an optional third-party Lantronix UDS100 and UDS200 server device, the projectors can be monitored using the Epson EMP Monitor utility. This IP device connects to the projector's RS-232C port and the LAN via an Ethernet RJ-45 connector/cable.

Easy Setup

◆ Six projection modes (including Blackboard mode which color-corrects a projected image that is projected against a green blackboard when no screen is available.)

◆ A menu button on both the control panel and remote control allows you to make adjustments from either of them.

◆ Color-coded cables make setup a breeze.

◆ 4-second start-up for fast, easy setup.

◆ Brightness control function for two different settings to extend the lamp life and provide cost-effective operation (up to 3000 hours in low brightness mode, 2000 hours in high brightness mode).

High Performance

◆ Source search function on the operation panel and remote control recognize the input source(s), display the connected inputs, and will also toggle between sources, instantly switching between them.

◆ ±30º digital keystone correction automatically engages without manual adjustments

◆ 1.2x optical zoom lens for flexible placement and positioning

◆ Monitor out capability to display images on a monitor and screen simultaneously

POWERLITE 62c/82c

Conveniences

◆ Audible power-on and -off beeps respond to user commands. Audible power-on (one beep) and power-off (two beeps) provide verification that the projectors have received their commands.

◆ Direct Power-On instantly turns on projector when power is detected

◆ Full-featured remote control includes mouse emulation functions and an electronic pointer for complete presentation control:
- Electric pointer
- Volume, Help, and Menu buttons
- Individual button for each input source
- Source Search button
- Easy operation for presentations, with functions including Page Up/Down, E-zoom, and Mouse Emulation

◆ The remote control automatically shuts down when it detects a button being pressed down for more than 30 seconds.

◆ Instant Off feature for immediate shut down capability (no cool down time required).

◆ Includes soft carrying case with a compartment to stow the remote control

High Security

◆ In addition to security features such as password protection, user logo, and timer function, there is an added operation lock feature. When the lock feature is enabled, all of the keys on the operation panel are disabled/locked, except for the power button. This is especially useful in the classroom to prevent student mischief.

Outstanding Service and Support

◆ Includes Epson two-year limited warranty and 90-day lamp warranty for added dependability.

◆ Provided at no additional cost for the duration of the warranty:
— Epson Road Service Program provides a replacement projector, typically within 24 hours.
— Dedicated toll-free support line available from 6 AM. to 6 PM Monday – Friday. Calls are answered live in about a minute.

◆ International warranty in over 45 countries.

Included Accessories:
They include a power cord, computer cable, remote control, USB cable, soft carrying case, and audio adapter. The audio adapter allows you to connect an RCA cable of any length.

Optional Accessories:
Replacement Lamp for PowerLite 62c and 82c *(EPLPL76)*..**299.00**

PowerLite 62c and 82c projectors accept all optional accessories on page 77 .

PowerLite S3, 62c and 82c SPECIFICATIONS			
	PowerLite S3	**PowerLite 62c**	**PowerLite 82c**
Projection System	3-LCD technology	3-LCD technology	3-LCD technology
LCD Driving Method	Poly-silicon TFT Active Matrix	Poly-silicon TFT Active Matrix	Poly-silicon TFT Active Matrix
Native Resolution	SVGA (800 x 600)	SVGA (800 x 600)	XGA (1024 x 768)
High Brightness	1600 ANSI lumens	2000 ANSI lumens	2000 ANSI lumens
Low Brightness	1400 ANSI lumens	1500 ANSI lumens	1500 ANSI lumens
Average Lamp Life (hours)	2,000 (high brightness) 3,000 (low brightness)	2,000 (high brightness) 3,000 (low brightness)	2,000 (high brightness) 3,000 (low brightness)
Contrast Ratio	500:1	400:1	400:1
Brightness Uniformity	85% typical	85% typical	85% typical
Color Reproduction	24 bit; 16.7 million	24 bit; 16.7 million	24 bit; 16.7 million
Speaker System	1w mono	5w mono	5w mono
Image Size (Diagonal)	30" to 300"	60" to 300"	60" to 300"
Projected Distance	2.9 - 39.7'	2.9-35.4'	2.9-35.4'
Aspect Ratio	4:3 (supports 16.9)	4:3 (supports 16.9)	4:3 (supports 16.9)
Horizontal Frequency	15 - 92 kHz	15 - 92 kHz	15 - 92 kH
Vertical Scan Rate	50 - 85 Hz	50 -92 Hz	50 -85 Hz
Lens F-Number	f1.7	f1.60 - 1.74	f1.60 - 1.74
Lens Focal Length	16.6mm	18.4 - 22.12mm	18.4 - 22.12mm
Zoom Ratio	Digital zoom 1.0-1.35	Optical zoom 1.0-1.2	Optical zoom 1.0-1.2
Video Compatibility	NTSC, NTSC4.43, PAL, M-PAL, N-PAL, PAL60, SECAM	NTSC, NTSC4.43, PAL, M-PAL, N-PAL, PAL60, SECAM	NTSC, NTSC4.43, PAL, M-PAL, N-PAL, PAL60, SECAM
HDTV Compatibility	480i, 480p, 720p, 1080i	480i, 480p, 720p, 1080i	480i, 480p, 720p, 1080i
Dimensions (WHD)	9.7 x 3.4 x 12.9"	12.9 x 3.9 x 9.7"	12.9 x 3.9 x 9.7"
Weight	5.6 lbs.	5.9 lbs.	5.9 lbs.

POWERLITE 750c / 755c / 760c / 765c

XGA 2000 and 2500 Lumens Commuter Series Projectors

Offering unbeatable power and versatility, the PowerLite 750c/755c (2000 lumens), and the 755c/760c (2500 lumens) ultra-bright sub-4 lb. projectors offer the ultimate choice for incredible image quality in any setting. These impressive portables boast native XGA resolution and Epson 3LCD technology which work together with their extraordinary brightness for vibrant color across the screen all the time.

The PowerLite 750c and 760c offer features such as auto source selection, so operation couldn't be easier. Epson's 7-second startup time and Instant Off means the projectors can be turned on or off in seconds. They also include automatic keystone correction, and a 1.2x optical zoom for perfect presentations anytime, anywhere.

Otherwise identical, the PowerLite 755c and 765c facilitate PC-free presentations with USB and PCMCIA connectivity. Plus they include 802.11g Wi-Fi technology for exceptional wireless capabilities from both Windows and Mac systems. Their 32-bit transmission rate ensure remarkable speeds when streaming MPEG2 videos, plus fast Keynote and PowerPoint transitions. And, they provide, the broadest security protection—compatible with WEP, WPA, and Cisco LEAP. They even support USB storage devices.

FEATURES

High Quality/Brightness

◆ With 2000 or 2500 lumens, these projectors are ideal for on-the-go presenters and those who require incredible brightness from small, lightweight projectors.

◆ Epson 3LCD technology for incredible color accuracy, rich color saturation and remarkable image quality. XGA (1024 x 768) resolution for vibrant images with precision color and detail

◆ HDTV-ready, they support 480i, 480p, 720p, and 1080i formats

◆ Brightness control function can extend the lamp life and provide more cost-effective operation (3000 hours in Low Brightness mode, 2000 hours in High Brightness mode).

Outstanding Service and Support

◆ Includes Epson two-year limited warranty and 90-day lamp warranty for added dependability.

◆ Epson Road Service Program (which provides a replacement projector, typically within 24 hours) and a dedicated toll-free support line (from 6am to 6pm Monday thru Friday) are provided at no additional cost for the duration of the warranty. Calls are answered live in about a minute.

High Security

◆ In addition to security features such as password protection, user logo, and timer function, there is an operation lock feature. When enabled, all of the keys on the operation panel are disabled/locked, except for the power button.

State-of-the-Art Video

◆ Two video inputs compatible with composite video, component (optional cable required) and S-Video.

◆ Selectable projection modes, including games and home theater, for optimum performance . Presentation makes it possible to project only PowerPoint slides.

Easy Setup and Operation

◆ Audible power-on and -off beeps provide verification that the projectors have received their commands. This helps avoid confusing start ups and shutdowns.

◆ 7-second start-up for fast setup. Instant Off cools the projector off within 2 seconds.

◆ Source search function automatically displays the connected input source(s) and switches instantly between them

◆ Automatic ±30° digital keystone correction for square images even when the projector isn't centered. Correction automatically engages without manual adjustments

◆ 1.2x optical zoom lens to facilitate flexible placement and positioning and still maintain image quality

◆ Full-featured remote control, with mouse emulation functions and an electronic pointer for complete presentation control

◆ Soft carrying case included, so they are nicely protected and easily transported.

www.bhphotovideo.com

POWERLITE 750C / 755C / 760C / 765C

PowerLite 755c/765c Only

◆ Epson EasyMP IM-X2 technology allows wireless presentations to project images in real-time, without cables; display on up to 4 projectors simultaneously! NS connection for PC and Macintosh systems (10.3 or later)

◆ Supplied with a 802.11b/g card, they run presentations wirelessly at frame rates up to 5x faster than 802.11b.

◆ Protect On/Off locks out other users and prevents interruptions during presentations

◆ 802.11g and an advanced drawing algorithm ensure the fastest transfer speeds, plus real-time PowerPoint and Apple Keynote (OS X 10.3.x or later) presentations

◆ Broad security protection—compatible with WEP, WPA, and Cisco LEAP (safeguards the display screen and ensures uninterrupted presentations)

◆ Proprietary firmware also gives presenters the ability to run PowerPoint presentations and MPEG-2 videos without a PC, using the projector's built-in PCMCIA and USB slots.

◆ PC-free operation gives you a valuable presentation tool. Their built-in software enables high-resolution JPEGs to be projected in slideshows via storage devices such as USB memory, external hard drives or directly from digital cameras. Furthermore, slideshows can be controlled by the projector manually or with automatic/timed advancement, and color temperatures and individual settings for red, green and blue can also be adjusted.

◆ EasyManagement Technology is a wireless connection to remotely monitor and control projectors over the network. This allows:

- Centralized monitoring and control.

- Built-in remote access.

- Simple Network Management Protocol (SNMP) for easy network management and maintenance.

- E-mail notification (via SMTP) alerts you to temperature, fan and lamp status.

- Web control over multiple network projectors, each with a different router address.

Included Accessories:

They all include a power cable, remote control with battery, computer cable, audio adapter cable, USB A/USB B cable, Owners Manual, Start Here Kit, and a soft carrying case. The 755c and 765c also include a wireless 802.11g card.

Optional Accessories:

Replacement Lamp *(EPLPL740C)*
For the PowerLite 750c, 755c, 760c and 765c **429.95**

Mac Adapter Set *(EPELPAP01)*
For the PowerLite 760c and 765c **29.95**

ATA Wheeled Hardshell Case *(EPELPKS42)*
For the PowerLite 760c and 765c. 9 x 14 x 22", 10 lbs................**269.95**

ATA Wheeled Hardshell Case

For other optional accessories, see page 77.

	PowerLite 750c / 755c	PowerLite 760c / 765c
Projection System	3-LCD technology	3-LCD technology
LCD Driving Method	High Temperature Poly-Silicon TFT	High Temperature Poly-Silicon TFT
Native Resolution	XGA (1024 x 768)	XGA (1024 x 768)
High Brightness	2000 ANSI lumens	2500 ANSI lumens
Low Brightness	1500 ANSI lumens	2000 ANSI lumens
Average Lamp Life (hours)	2,000 (high brightness) 3,000 (low brightness)	2,000 (high brightness) 3,000 (low brightness)
Contrast Ratio	400:1	400:1
Brightness Uniformity	90% typical	90% typical
Color Reproduction	24 bit; 16.7 million	16 bit XGA or 32 bit SVGA; 16.7 million
Speaker System	1w mono	1w mono
Image Size (Diagonal)	30" to 300"	30" to 300"
Projected Distance	2.9 - 34.4'	2.5-25'
Aspect Ratio	4:3 (supports 16.9)	4:3 (supports 16.9, 5.4)
Horizontal Frequency	15 - 92 kHz	15 - 92 kHz
Vertical Scan Rate	50 - 85 Hz	50 -85 Hz
Lens F-Number	f1.58-1.76	f1.58 - 1.76
Lens Focal Length	23.7 – 28.5mm	23.7 – 28.5mm
Zoom Ratio	1.0:1.2	1.0:1.2
Video Compatibility	NTSC, NTSC4.43, PAL, M-PAL, N-PAL, PAL60, SECAM	NTSC, NTSC4.43, PAL, M-PAL, N-PAL, PAL60
HDTV Compatibility	480i, 480p, 720p, 1080i	480i, 480p, 720p, 1080i
Dimensions (WHD)	7.6 x 10.8 x 2.7"	7.6 x 10.8 x 2.7"
Weight	750c: 3.8 lbs. / 755c: 3.9 lbs.	760c: 3.8 lbs. / 765c: 3.9 lbs.

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B&H
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POWERLITE 821P / 830P / 835P

Portable 2600 & 3000 Lumens XGA Projectors

Remarkable solutions for high-performance presentations in virtually any setting, the PowerLite 821p, 830p and 835p offer astounding quality and flexibility. Each model includes three Epson LCDs, which work together with 2600 (821p) or 3000 (830p/835p) ANSI lumens and XGA resolution to give you accurate color, superior color saturation, and exceptional image quality. And, each delivers great video quality as well.

Whisper-quiet performers, they provide convenient automatic setup, which intuitively sets the focus and image size at the touch of a button—all in just seconds. And, with four input connections, and dedicated audio for each, they are easily adaptable to any situation. A power focus and ultra wide 1.6x zoom ensure easy setup for both ceiling-mounted and desktop presentations.

Automatic source selection makes setting them up easier than ever, and the convenient lamp access on top of the projectors enables easy changes, even when they are ceiling-mounted. With a built-in 5w speaker, there's no need for costly audio accessories. And, there's even a brightness control function to provide the most cost-effective operation. To further protect your investment, enhanced security features help prevent theft or unauthorized usage.

The PowerLite 830p steps up with a wired LAN connection that easily attaches to a network, so users can remotely monitor and control installed projectors. It's the perfect way to manage your projector assets.

For those who require wireless capabilities, the PowerLite 835p offers the ideal solution. Equipped with the same features as the PowerLite 830p, this model also offers high-speed wireless performance with 802.11g Wi-Fi capabilities. Epson's superior processing enables the projector to deliver fast transfer speeds for viewing MPEG2 videos and PowerPoint presentations. And, advanced security features offer WEP, WPA, and LEAP compatibility. There's even a USB and PCMCIA input connection, so presenters can not only project a presentation, but digital photos and video as well.

Powerful, and incredibly versatile, these full-featured projectors deliver consistently brilliant results from the boardroom to large lecture halls. Whatever your needs, these projectors are sure to deliver.

EASY SETUP, INSTALLATION, AND OPERATION

The PowerLite 830P and 835P projectors feature a Quick Setup function with auto sensing, which intuitively sets up the appropriate screen size, keystone, and focus at the touch of a button.

POWERLITE 821P / 830P / 835P

High Quality/Brightness

◆ Ultra-bright 2600 ANSI lumens is bright enough for well-lit rooms, large conference rooms and classrooms.

◆ Three Epson LCDs for greater color depth and accuracy; plus astounding color saturation across the screen

◆ XGA (1024 x 768) resolution for vibrant images with precision color and detail

◆ HDTV-ready; supports 480i, 480p, 720p, and 1080i formats

◆ Brightness control function for various settings to extend the lamp life and provide more cost-effective operation (3000 hours in Low Brightness mode, 2000 hours in High Brightness mode)

Audio

◆ Powerful 5w monaural audio output fills the conference room so there's no additional audio expense

◆ Audio out (audio follow-through)

◆ No costly expansion modules needed; two computer and two video inputs with a dedicated audio input for each.

Video

◆ Two video inputs compatible with composite, component (optional cable required) and S-Video.

◆ Selectable projection modes, including video games and home theater, for optimum performance in any situation

◆ Six color modes are available to suit the mode you want.

• Dynamic—Best for projecting movies with vivid color in bright rooms. This is the default mode for projecting from video devices other than RGB video

• Presentation—Use when you're projecting a presentation in a bright room. This is the default mode when you're projecting from a computer or RGB video device

• Theater—For projecting in a dark room

• Living Room—Best for playing video games or watching TV in a bright room

• sRGB—When projecting computer or video conforming to the sRGB color standard.

• Blackboard—Choose this fixed color mode when you need to project against a green blackboard. Images retain their natural tints.

Easy Setup and Operation

◆ Color-coded cables make setup a breeze.

◆ Power-on and -off beeps let you know the projector has received their command.

◆ Quick start-up time (7-seconds) avoids delays and reduces pre-presentation jitters.

◆ Source search automatically displays the connected input source(s) and switches instantly between various sources

◆ Automatic ±15° digital keystone correction without manual adjustments.

◆ 1.6x optical zoom for flexible placement and positioning.

◆ Monitor output capability to display images on a monitor and screen simultaneously.

◆ Direct Power On (turns the projector on with a wall switch).
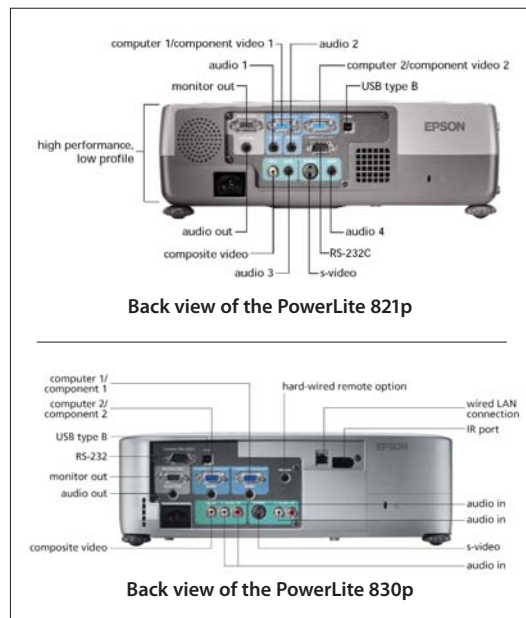
Back view of the PowerLite 821p

Back view of the PowerLite 830p

Security

◆ In addition to security features such as password protection, user logo, and timer function, there is an operation lock feature. When the lock feature is enabled, all of the keys on the operation panel are disabled/locked, except for the power button.

Quiet and Unobtrusive

◆ Whisper-quiet operation (as low as 30dB) so the presentation gets all the attention.

◆ Conveniently placed lamp and air filter access (on top of the projector), designed for easy changes, even when the projector is ceiling mounted.

Outstanding Service and Support

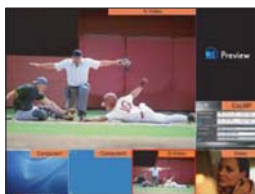◆ Includes Epson two-year limited warranty and 90-day lamp warranty for added dependability

◆ Includes at no additional cost for the duration of the warranty:

— Epson Road Service Program provides a replacement projector, typically within 24 hours

— Dedicated toll-free support line available from 6 AM to 6 PM Monday – Friday. Calls are answered live in about a minute.

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POWERLITE 821P / 830P / 835P

PowerLite 830P

Step-up Features from the PowerLite 821p

◆ Ultra bright 3000 ANSI lumens - bright enough for well-lit rooms, large conference rooms and classrooms.

◆ Great video quality with 3D Y/C separation and motion compensated interlace-progressive conversion

◆ Power focus, plus an ultra wide 1.6x optical zoom for the greatest positioning flexibility

◆ Quick Setup function with auto sensing intuitively sets up the right screen size, keystone, and focus at the touch of a button

◆ WallShot feature with automatic color correction for projecting images on a colored surface.

◆ Automatic digital keystone correction engages without manual adjustments (±45° vertical, ±20° horizontal)

◆ Preview function—no need to check one source at a time (View all inputs sources at once without having to cycle through and choose the one you desire.)

◆ Picture-in-Picture function to view more than one input source at a time.

◆ Direct Power On and Power Off–turns the projector on or off with one system switch.

◆ Cooling fan located in front for a comfortable viewing experience.

◆ Local networking via their ethernet port and Epson's EasyManagement software. Monitor and control projectors over the network!

- Centralized monitoring and control

- Built-in remote access

- Simple Network Management Protocol (SNMP) for easy network management and maintenance

- E-mail notification (via SMTP) to alert network administrator(s) to issues related to temperature, fan and lamp status

◆ USB port allows viewing of media from a USB memory stick, USB hard drive or digital still camera. The projector's are compatible with JPEG, GIF, BMP, and PNG files.
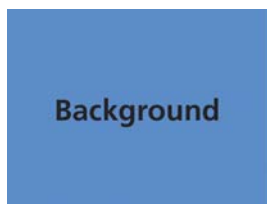
WallShot feature with automatic color correction for projecting images on a colored surface.

PowerLite 835P Only

◆ Epson EasyMP technology allows wireless presentations to project images in real-time, without cables; display on up to 4 projectors simultaneously! NS connection for PC and Macintosh systems (10.3 or later)

– Supplied with a 802.11b/g card, the 835p enables users to upload or run presentations wirelessly at frame rates up to two to five times faster than 802.11b. So whether transferring data via 802.11 "b" or "g," Epson's unique and proprietary algorithm allows for fast wireless streaming of video content.

– 802.11g and Epson's original algorithm ensure the fastest transfer speeds for streaming MPEG2 videos and real-time PowerPoint presentations

– Broadest security protection—WEP, WPA, and LEAP compatibility to safeguard the display screen and ensure uninterrupted presentations

– Web control over multiple network projectors, each with a different router address

◆ Proprietary firmware also gives presenters the ability to run PowerPoint presentations and MPEG-2 videos without a PC, using the projector's built-in PCMCIA and USB slots.

◆ PC-free operation gives photographers and digital artists a valuable presentation tool. The 735p's built-in software enables digital images like high-resolution JPEGs, to be projected in slideshows via PC-less storage devices such as USB memory, external hard drives or directly from digital cameras. Furthermore, slideshows can be controlled by the projector either manually or with automatic/timed advancement, and color temperatures and individual settings for red, green and blue can also be adjusted.

Projector Accessories

Replacement Lamp *(EPLPL61P)*
For the PowerLite 821p.............................**269.95**

Replacement Lamp *(EPLPL830P)*
For the PowerLite 830p and 835p.........**474.95**

Air Filter Set *(EPAFPL61P)*
For the PowerLite 821p...............................**14.95**

Air Filter Set *(EPAFPL830P)*
For the PowerLite 830p and 835p............**19.95**

**Wheeled Soft Case for
Projector and Laptop** *(EPELPKS35)* **199.95**

Ceiling Mount *(EPELPMB36)* **219.95**

Remote Control Cable Set *(EPRC7800)*
For the 830p and 835p. Allows you to operate the projector from a farther distance with the extended cable. And also allows for independent operation of the projector when there are multiple projectors.....................**29.95**

EPSON

POWERLITE 821P / 830P / 835P

	PowerLite 821P	PowerLite 830P	PowerLite 835P
Native Resolution	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)
Display Technology	Epson High Temperature Poly-Silicon TFT 3 LCDs	Epson High Temperature Poly-Silicon TFT 3 LCDs	Epson High Temperature Poly-Silicon TFT 3 LCDs
Input Sources	Composite Video, S-Video, Component Video, Video-RGB, Audio 2x (mini stereo jacks)	Composite Video, S-Video, Component Video, Video-RGB, Audio Stereo (RCA)	Composite Video, S-Video, Component Video, Video-RGB, Audio Stereo (RCA)
Output Terminals	Video Mini D-sub, 15 pin (monitor out) Audio Stereo (3.5mm mini jack)	Video Mini D-sub, 15 pin (monitor out) Audio Stereo (3.5mm mini jack)	Video Mini D-sub, 15 pin (monitor out) Audio Stereo (3.5mm mini jack)
Computer Compatibility	VGA, SVGA, XGA, SXGA SXGA, UXGA	VGA, SVGA, SXGA HDTV, DTV	SXGA, WXGA, XGA, SVGA, VGA, HDTV, DTV, UXGA
Video Compatibility	NTSC, PAL, SECAM, NTSC4.43, PAL60, HDTV (480i, 480p, 720p, 1080i)	NTSC, PAL, SECAM, NTSC4.43, PAL60, PAL N &M, HDTV (480i, 480p, 720p, 1080i)	NTSC, PAL, SECAM, NTSC4.43, PAL60, PAL N &M, HDTV (480i, 480p, 720p, 1080i)
Max ANSI Lumens	2600 ANSI lumens	3000 ANSI lumens	3000 ANSI lumens
Contrast Ratio	500:1	600:1	600:1
Standard Projection Lens	1.6:1 Zoom with manual focus and zoom	1.6:1 Zoom with power focus and zoom	1.6:1 Zoom with power focus and zoom
Throw Ratio	1.46:1 – 2.39:1	1.46:1 – 2.39:1	1.46:1 – 2.39:1
Projection Distance	2.9' – 35.4'	2.9' – 34.4'	2.9' – 34.4'
Image Size (Diagonal)	2.5' to 25'	2.5' to 25'	2.5' to 25'
Lamp (Bulb)	200W UHE	200W UHE	200W UHE
Bulb Life Expectancy	2000 hours (high)	2000 hours (high)	2000 hours (high)
Aspect Ratio	4:3 (standard); Supports 16:9 and 5:4 video, data	4:3 (standard); Supports 16:9 and 5:4 video, data	4:3 (standard); Supports 16:9 and 5:4 video, data
Screen Projection	Front and Rear	Front and Rear	Front and Rear
Ceiling Mountable	Yes	Yes	Yes Yes
Keystone Correction	±15° vertical correction	±40° vertical correction	±40° vertical correction
Built-in Speaker (audio)	5 Watt Mono	5 Watt Mono	5 Watt Mono
Controls	Wireless Remote RS-232C Control - D-sub 9 pin x1 USB port	Wireless Remote Serial/RS232C: D-sub 9 pin x1 USB, Mini Jack, Wired LAN Connection	Wireless Remote Serial/RS232C: D-sub 9 pin x1 USB, Mini Jack, Wired LAN Connection
Power Requirements	100v - 240v	100v - 240v	100v - 240v
Power Consumption	280 Watt	300 Watt	300 Watt
Dimensions (HLW)	4.3 x 14.4 x 13.8"	4.5 x 11 x 14.4"	4.5 x 11 x 14.4"
Weight	8.9 lbs.	10.4 lbs.	10.4 lbs.

POWERLITE 7850P • POWERLITE 7900P

XGA 3500 & 4000 Lumens Portable Projectors

The **PowerLite 7850p** takes high-performance portable to a whole new level, with out-of-the-box networking capability, PC-free presentations, and the ability to operate with or without a hard-wired video connection. A/V personnel will appreciate its easy monitoring and maintenance, while end-users will enjoy its remarkable functionality. Even with these notable features, you won't have to sacrifice image quality. This powerful portable provides 3500 lumens and XGA resolution for exceptional clarity and detail. The PowerLite 7850p can address virtually any presentation requirement. With optional lenses available, it offers enhanced positioning flexibility. And, it provides monitor out capability, plus multiple image correction tools. For easy setup and operation, it includes both vertical and horizontal keystone correction. And, no matter where it is situated, the projector offers a unique feature designed to assist theft prevention.

A high-performance projector, the **PowerLite 7900P** offers easy remote maintenance and control, so it's ideal for universities and large business centers. With 4000 lumens and convenient network monitoring and control, the PowerLite 7900p provides remarkable power and performance. XGA resolution, a 700:1 contrast ratio, and Epson LCDs work with its incredible brightness to ensure superior image quality, while EasyManagement technology facilitates easy remote operation. For added installation flexibility, this whisper-quiet (36db/33db) projector includes five computer/video connections, plus three lens options. It also includes ±40° advanced keystone correction, and password-protected security. Perfect for large classrooms or conference rooms, the PowerLite 7900p offers the perfect combination of power and versatility. A/V personnel will appreciate its remote management and maintenance features, while presenters will enjoy its incredible quality and performance.

FEATURES

- Three Epson LCDs for accurate colors, and rich color saturation evenly distributed across the screen
- XGA (1024 x 768) resolution for sharp, vivid detail
- 700:1 contrast ratio (blacker blacks and whiter whites) for outstanding image detail
- Weighing only 12.8 lbs. their remarkable brightness of 3500 (7850p) or 4000 (7900p) ANSI lumens makes them ideal for large classrooms or conference rooms
- Five inputs including D-Sub15, BNC, DVI, Composite and S-Video

Convenient Networking with EasyManagement Technology

- Centralized monitoring, maintenance and control over the LAN network. Works with their built-in Ethernet connection
- Enables secure access via password protection features including web
- Provides real-time status information and projector error detection
- Built-in remote access—turn the projector on and off remotely
- Enables secure access via password-protection features

- Allows easy monitoring of real-time source status, power status, lamp status and resolution input status via:
  - EMP Monitor software utility (included)
  - Web browser—no special software required!
  - SNMP (Simple Network Management Protocol)
  - E-mail notification, via SMTP, to notify users of issues related to the temperature, fan, and lamp

POWERLITE 7850P • POWERLITE 7900P

Easy Installation, Setup and Operation

◆ 40° vertical keystone correction (and ±20° horizontal on the 7850p)

◆ QuickCorner function lets you display a perfectly square image from any angle. If the projected image is distorted, use the remote and point to the distorted corner. The projectors do the rest – even when space is limited.

◆ WallShot function automatically provides true color correction and reproduction when projecting onto a colored wall. This method takes both room brightness and screen color into account, so color reproduction is very close to the original color.

◆ Preview function with SnapWindow for selecting and checking input sources. The projectors can accept a wide array of input signals simultaneously, so you can preview what is currently connected. The projected image is separated into one large Active Window and up to seven small SnapWindows. Choose any window by making a selection with the remote control.

◆ Search function automatically recognizes and displays connected inputs, and switches instantly between them.

◆ RGB auto detect (7900p only)

◆ 1.35x zoom with optional lenses for positioning flexibility

◆ Whisper-quiet operation (36db/33db) ensures the presentation is the center of attention (silent when in AV Mute mode)

◆ Monitor out capability for simultaneous viewing on a monitor

◆ Enhanced security functions, including password-protection and operation lock protect the projectors from unauthorized use.

◆ Easy-to-use control panel lets you manage the setup and installation process, zoom lens, picture-in-picture capability, focus controls, and more. Even allows multiple projectors to be operated simultaneously.

◆ Direct power-on turns on the projector with one system switch (7900p only).

◆ Brightness control function accommodates various lighting conditions and room sizes and can extend the lamp life for more cost effective operation (3000 hours in Low Brightness mode, 2000 hours in High Brightness mode).

Optional Lenses

There are three optional lenses available for the PowerLite 7850p and 7900p that provide the flexibility you need to present in any situation.

When placing the projector closer to or farther from the screen, or to achieve larger images, these lenses offer the solutions you're looking for.

PROJECTION LENSES			
	Standard	**Wide Throw**	**Long Throw**
Type	Manual zoom/focus	Manual zoom/focus	Manual zoom/focus
F-number	1.7 to 2.3	1.8 to 2.3	1.8 to 2.3
f-number	28 to 37mm	36 to 48mm	48.4 to 64.5mm
Zoom ratio	1.0:1.35	1.0:1.35	1.0:1.35
B&H Number	*(EPV12H004M03)*	*(EPV12H004W03)*	*(EPV12H004L05)*
Price	**999.95**	**1779.95**	**2149.95**

Outstanding Service and Support

◆ Includes Epson two-year limited warranty and 90-day lamp warranty for added dependability

◆ Includes at no additional cost for the duration of the warranty:

— Epson Road Service Program provides a replacement projector, typically within 24 hours

— Dedicated toll-free support line available from 6 AM to 6 PM Monday – Friday. Calls are answered live in about a minute.

Projector Accessories

Replacement Lamp *(EPLPL7800)*
For the PowerLite 7850p, 7900p........... **449.95**

Air Filter Set *(EPAFPL7800)*
For the PowerLite 7850p, 7900p...............**28.95**

ATA Shipping Case *(EPELPKS46)* ....**CALL**

ATA Molded Hardshell Case *(EPELPKS48)*.......................**279.95**

Ceiling Mount *(EPELPMB40)* **234.95**

10' DVI to DVI Cable *(EPELPKC20)* **89.95**

10' DVI to DFP Cable *(EPELPKC21)*.............**89.95**

Air Shipping Case

Ceiling Mount

Remote Control Cable Set *(EPRC7800)*
Allows you to operate the PowerLite 7850p and 7900p from a farther distance with the extended cable. And also allows for independent operation of the projector when there are multiple projectors....................**29.95**

For other optional accessories, see page 77.

POWERLITE 8300i

XGA 5200 Lumens Installation Projector

As the benchmark in brightness rises within the projector industry, Epson continues to keep in step. The PowerLite 8300i not only offers 5200 lumens and an astounding 1200:1 contrast ratio, it also provides convenient out-of-the-box networking capabilities–a noteworthy combination at this level. This multi-purpose installable brings remarkable functionality, with the added benefit of easy network monitoring and control–something IS personnel will appreciate.

Engineered to meet virtually any presentation requirement, the projector provides monitor out capability, plus a powerful preview function for easy switching between sources. With vertical and horizontal keystone correction and a variety of lens options, it offers exceptional installation flexibility. A versatile network solution from the world leader in high-performance projectors, the PowerLite 8300i gives your customers the flexibility they need, plus the quality they demand.

FEATURES

State-of-the-Art Performance

◆ The benchmark for multipurpose installation projectors, the PowerLite 8300i features remarkable brightness of 5200 lumens, a high contrast ratio of 1200:1 and outstanding functionality with networking capability.

◆ Three 1.4" high-aperture LCDs for evenly distributed color across the screen, XGA (1024 x 768) resolution for sharp, vivid detail, and 1200:1 contrast ratio for blacker blacks and whiter whites, and astonishing brightness that's great for large auditoriums.

◆ Progressive processing circuitry for better video image quality

◆ Compatible with NTSC, PAL-M, PAL-N, PAL, PAL60, SECAM standards, as well as HDTV (480i, 480p, 720p, 1080i) signals.

Conveniences

◆ Low fan noise for undisturbed presentations

◆ Improved air filter to protect projector life in smoky or dusty environments

◆ Start Here Kit gets first time users projecting in just minutes

◆ Weighs only 24.7 lbs.

Easy Setup and Operation

◆ Multiple optional lenses including: rear projection wide lens *(EPV12H004R02)*, wide zoom lens *(EPV12H004W02)*, 2.42 to 3.67:1 *(EPV12H004M01)* and 3.57 to 5.45:1 middle throw zoom lenses *(EPV12H004M02)*, and long throw zoom lens *(EPV12H004L04)*.

◆ Keystone (45° vertical, 40° horizontal) and QuickCorner image correction capability for flexible setup and installation

◆ Monitor out capability for all input signals

◆ Easy-to-use remote control/control panel

- Manage the setup and installation process, power zoom lens, picture-in-picture capability, focus controls, lens shift, and more

◆ Operate multiple projectors simultaneously

◆ Digital Visual Interface (DVI) for digital connectivity/compatibility

◆ Preview function with SnapWindow for selecting and checking input sources. The 8300i can accept a wide array of input signals simultaneously, so you can preview what is currently connected. The projected image is separated into one large Active Window and up to 7 small SnapWindows. Select any window with the remote control.

Networking Capability

◆ Equipped with EasyManagement technology, it offers information on projector status via:
- Web browser - no special software required!
- SNMP (Simple Network Management Protocol) with OpenView plug-in available

◆ EMP Monitor software and EMP network manager utility (included)

◆ Allows easy monitoring of lamp status, power status, and source status

◆ Works with the projector's built-in Ethernet connection

◆ Enables secure access via password protection feature

◆ Monitors all Epson network projectors

◆ Provides real-time status information and projector error detection

◆ Email notification via SMTP to alert issues related to temperature, fan and lamp

Optional Accessories

Replacement Lamp *(EPLPL8300)* **639.95**
Air Filter Set *(EPAFPL8300)* **64.95**
ATA Shipping Case *(EPELPKS47)* **487.50**
Ceiling Mount *(EPELPMB41)* **219.95**

POWERLITE 9300i

SXGA 2500 Lumens Installation Projector

The groundbreaking PowerLite 9300i provides a level of detail not found in ordinary projectors. It goes far beyond everyday PowerPoint presentations. Remarkable SXGA+ resolution, 2500 lumens, and an incredible 1100:1 contrast ratio provide the essential technology needed for ultimate quality and precision. Ideal for medical, military, CAD or control center applications, the PowerLite 9300i not only delivers the unique clarity required for high-end applications but full featured performance for added versatility. Power zoom, focus, and lens shift make installation easier than ever. And, multi-screen setup is a breeze with special adjustments for brightness and color levels, in addition to pre-set patterns. Designed with renowned Epson reliability, the PowerLite 9300i gives you both power and peace of mind. A unique password protected security function lends added assurance, while an amazing 7000-hour lamp life offers substantial value. A truly remarkable projector with revolutionary results, the PowerLite 9300i delivers imagery so precise, even the finest details will pop off the screen.

FEATURES

Easy Setup and Operation

◆ Power zoom, focus, and lens shift-key image adjustments controlled via the remote

◆ Six video inputs and six audio outputs simplify installation and eliminate the added cost of switchers

◆ Great connectivity including two computer inputs, plus component video (5 BNCs), composite, S-Video, and DVI compatibility

◆ Keystone correction (±40° vertical, ±20° horizontal)

◆ QuickCorner to display a perfectly square image from almost anywhere in the room

◆ SnapWindows to simultaneously preview up to seven input connections–provides a simple way for staging managers to check connected sources.

◆ Multiple optional lens options for flexibility

◆ Easy multi-screen calibration (adjustments for brightness and color levels, plus convenient pre-set patterns)

◆ Direct power-on capability (allows users to just flip on the wall switch and the projector will automatically power on)

◆ Whisper-quiet operation (33 db) for undisturbed presentations

Astounding Image Quality

◆ SXGA+ (1400 x 1050) resolution for crystal clear results

◆ 1100:1 contrast ratio for exceptional clarity and detail

◆ Three 1.4" Epson high-aperture LCDs for evenly distributed color across the screen

◆ 2500 lumens for brightness in any setting

◆ Progressive processing circuitry for better video image quality

◆ Compatible with NTSC, PAL-M, PAL-N, PAL, PAL60, SECAM standards, as well as HDTV (480i, 480p, 720p, 1080i) signals.

Conveniences

◆ Up to 7000-hour lamp life for improved cost of ownership

◆ Improved air filter to protect projector in smoky or dusty environments

◆ Guards against unauthorized users and disable the projector via password-protection feature. This includes power-on protection, timer protection (requires a password to operate after a pre-set time has passed), and user logo protection.

Networking Capability

◆ Equipped with EasyManagement technology, it offers information on projector status via:

- Web browser - no special software required!

- SNMP (Simple Network Management Protocol) with OpenView plug-in available

◆ EMP Monitor software and EMP network manager utility (included)

◆ Allows easy monitoring of lamp status, power status, and source status

◆ Works with the projector's built-in Ethernet connection

◆ Enables secure access via password protection feature

◆ Monitors all Epson network projectors

◆ Provides real-time status information and projector error detection

◆ Email notification via SMTP to alert issues related to temperature, fan and lamp

Optional Accessories

Replacement Lamp *(EPLPL9300)* **549.95**

Air Filter Set *(EPAFPL8300)* **64.95**

ATA Shipping Case *(EPELPKS47)* **487.50**

Ceiling Mount *(EPELPMB41)* **219.95**

POWERLITE 7850P / 7900P / 8300i / 9300i SPECIFICATIONS

	PowerLite 7850P	PowerLite 7900P	PowerLite 8300i	PowerLite 9300i
Native Resolution	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)	SXGA+ (1400 x 1050)
Display Technology	Epson 1.0" Poly-silicon TFT Active Matrix 3 LCDs	Epson 1.4" Poly-silicon TFT Active Matrix 3 LCDs	Epson 1.4" Poly-silicon TFT Active Matrix 3 LCDs	Epson Poly-silicon TFT Active Matrix 3 LCDs
Input Sources	Composite Video, S-Video, Component Video, Video-RGB, Audio Stereo (RCA), PMCIA, Card	Composite Video, S-Video, Component Video, Video-RGB, Audio Stereo (RCA)	Composite Video, S-Video, Component Video, Video-RGB, Audio Stereo (RCA)	Component, S-Video, Composite, VGA, DVI-I Audio, USB
Output Terminals	Video Mini D-sub (monitor out) Audio Stereo (3.5mm mini jack)	Video Mini D-sub (monitor out) Audio Stereo (3.5mm mini jack)	Video Mini D-sub (monitor out) Audio Stereo (3.5mm mini jack)	Video Mini D-sub (monitor out) Audio Stereo (3.5mm mini jack)
Computer Compatibility	VGA, SVGA, XGA, SXGA HDTV, DTV	VGA, SVGA, XGA SXGA HDTV, DTV	VGA, SVGA, XGA, SXGA HDTV, DTV,	VGA, SVGA, XGA, SXGA UXGA, HDTV, DTV,
Video Compatibility	NTSC, PAL, SECAM, NTSC4.43, PAL60, PAL N & M, HDTV (480i, 480p, 720p, 1080i)	NTSC, PAL, SECAM, NTSC4.43, PAL60, PAL N & M, HDTV (480i, 480p, 720p, 1080i)	NTSC, PAL, SECAM, NTSC4.43, PAL60, PAL N & M, HDTV (480i, 480p, 720p, 1080i)	NTSC, PAL, SECAM, NTSC4.43, PAL60, PAL N & M, HDTV (480i, 480p, 720p, 1080i)
Max ANSI Lumens	3500 ANSI lumens	4000 ANSI lumens	5200 ANSI lumens	2500 ANSI lumens
Contrast Ratio	700:1	700:1	1,200:1	1,100:1
Projection Lens *(std.)*	1.35:1 Zoom with manual focus & zoom	1.35:1 Zoom with manual focus & zoom	1.35:1 Zoom with power focus & zoom	1.35:1 Zoom with power focus & zoom
Throw Ratio	1.32:1 – 1.8:1	1.32:1 – 1.8:1	1.79:1 – 2.47:1	1.79:1 – 2.47:1
Projection Distance	2.6' – 36.1'	3.9' – 29.9'	3.9' – 29.5'	3.9' – 29.5'
Image Size *(Diagonal)*	30˝ to 300˝	30˝ to 300˝	30˝ to 300˝	30˝ to 300˝
Lamp *(Bulb)*	250W UHE	250W UHE	320W UHE	250W UHE
Bulb Life Expectancy	2000 hours	2000 hours	2000 hours	7000 hours
Aspect Ratio	4:3 (standard); Supports 16:9 and 5:4	4:3 (standard); Supports 16:9 and 5:4	4:3 (standard); Supports 16:9 and 5:4	4:3 (standard); Supports 16:9 and 5:4
Screen Projection	Front and Rear	Front and Rear	Front and Rear	Front and Rear
Ceiling Mountable	Yes	Yes	Yes	Yes
Keystone Correction	±40° vertical correction	±40° vertical correction	±45° vertical; ±40° horizontal correction	±45° vertical correction
Built-in Speaker *(audio)*	5 Watt Mono	5 Watt Mono	7 Watt Mono	7 Watt Mono
Controls	Wireless Remote Serial/RS232C: D-sub 9 pin x1 USB, Mini Jack, Wired LAN	Wireless Remote Serial/RS232C: D-sub 9 pin x1 USB, Mini Jack, Wired LAN	Wireless Remote Serial/RS232C: D-sub 9 pin x1 USB, Mini Jack, Wired LAN	Wireless Remote Serial/RS232C: D-sub 9 pin x1 USB, Mini Jack, Wired LAN
Power Requirements	100V - 240V	100V - 240V	100V - 240V	100V - 240V
Power Consumption	350 Watt	355 Watt	480 Watt	355 Watt
Dimensions *(HLW)*	5.4 x 12.8 x 16.5"	13.2 x 4.5 x 8.9"	4.6 x 16.5 x 12.8"	7.6 x 19.3 x 13.9"
Weight	12.8 lbs.	10.4 lbs.	12.3 lbs.	24.7 lbs.

PERFORMA CP-RS55 & CP-RX60

SVGA and XGA 1500 Lumens Dual-Use LCD Projectors

With a brightness of 1500 lumens but weighing only 4.8 lbs., the CP-RS55 (SVGA) and CP-RX60 (XGA) meet and exceed performance requirements for corporate and residential use, while their light weight and portability makes dual use in the home and the office a reality.

They incorporate Hitachi's proprietary video processing circuits and 3 LCD technology, while an intuitive user interface makes them easy even for novices to use. Additional features include ±15° digital vertical keystone correction, 300:1 contrast ratio, RS-232 port, Equalizing function (Gamma Correction and Color Balance) to achieve a desired picture quality, and three Picture Mode settings. Progressive Scan Technology with 3:2 pulldown lets you enjoy realistically beautiful images with no flicker.

FEATURES

◆ To reproduce detailed and bright images, they employs three LCD panels that produce 1500 lumens of brightness.

◆ The CP-RS55 offers native SVGA (800 x 600) resolution for crisp, clear image reproduction. It can also display XGA/SXGA compressed signals.

◆ With a native XGA (1024 x 768) resolution and a 4:3 aspect ratio, the CP-RX60 offers crisp, clear image reproduction, and can meet the quality demands of any application. The CP-RX60 can also display SXGA/UXGA compressed signals.

◆ They are HDTV ready and come standard with a 16:9 viewing mode.

◆ Progressive scan circuit makes moving pictures smooth and clear, and 3-2 pulldown compatibility assures superior image quality from film sources.

◆ Room layout often dictates that images have to be projected at an angle to screen. Keystone (trapezoidal) image distortions is the result. ±15° digital vertical keystone correction compensates for these distortions.

◆ Gamma Correction and Color Balance lets you make adjustments to achieve a desired picture quality, while Picture Mode settings (Normal, Cinema and Dynamic) let you choose the best mode to match the source.

◆ Whisper Mode reduces fan noise to 32dB for quiet performance —whether in the living room, boardroom or classroom.

◆ The CP-RS55 has a fixed lens with manual focus, the CP-RX60 adds a 1.2x digital zoom

◆ Digital 4x zoom lets you magnify a portion of the image, as well as a freeze function

◆ Kensington security lock

◆ Reverse image function for ceiling mounting

◆ My Screen function lets you to store images like a company logo or product picture in the memory. Image is displayed immediately when the projector is switched on.

◆ Multi-voltage (120/240v AC, 50/60Hz) and multi-system (PAL, SECAM, NTSC) compatible.

"PJ Man" (Projector Management Application) Software

Through the combination of Hitachi's "PJ Man" and Lantronix, Inc. networking modules, all Hitachi LCD projectors can be network-enabled. PJ Man allows you to manage, control, diagnose and schedule events for an individual or group of Hitachi projectors. As well, e-mail alerts can be generated by PJ Man for scheduled maintenance and / or error conditions. For those models that don't have a built-in ethernet connection, the Lantronix UDS-10 and UDS-100 device servers enable management of serial devices over IP-based Ethernet networks. Both provide a quick, simple, and cost-effective way to allow remote management and monitoring capabilities over the network.

◆ Control the functions of an individual or group of Hitachi projectors. PJ Man allows you to remotely control simple functions (power on/off, input, aspect, etc...) as well as more advanced control settings.

◆ Receive e-mail notification when it's time for scheduled maintenance or if there is an error condition. E-mail settings include expiration of lamp usage time, filter cleaning reminder, cable disconnection, general errors, password protection and more.

◆ Monitor and diagnose the status of an individual or group of Hitachi projectors. PJ Man will show the status of your projector including power on/off, input source as well as lamp/filter hours and condition.

◆ Schedule events for an individual or group of Hitachi projectors. PJ Man events that can be scheduled include Power On/Off and input selection. Projector scheduling can be set for daily, weekly, or single time events.

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CP-S240 • CP-X250

SVGA & XGA 2000 Lumens LCD Projectors

Lightweight, high-power LCD projectors, the CP-S240 (SVGA) and CP-X250 (XGA) bring portability and an expansive feature set to a variety of presentation environments. To meet the performance standards of numerous presentation environments, including classrooms and boardrooms they feature 2,000 ANSI lumens of brightness, 400:1 contrast ratio, and noise level of 33 dB in whisper mode. Weighing in at a light 6.2 lbs. and measuring 12 x 3.4 x 9.8", both projectors are also equipped with vertical keystone correction, reverse image function for ceiling mount, progressive scan and Hitachi's My Screen feature.

Step-up features from the CP-RS55 and CR-RX60 (previous page)

◆ Equipped with a 180-watt UHB lamp, they deliver superior brightness of 2000 lumens

◆ They both have component, composite, and S-Video inputs

◆ Two RGB (15-pin) inputs or one RGB input and output (shares with RGB2 input)

◆ They boast a 400:1 contrast ratio, a 1.2x manual zoom and manual focus lens, and a throw distance of 3.6' at 30".

◆ Audio inputs include stereo minijack for RGB and L/R RCA jacks for video; stereo minijack audio output.

CP-S245 • CP-X255 SVGA & XGA 2000 Lumens LCD Projectors with Networking Capability

Combining networking capabilities with Hitachi's trademark versatility and reliability, the CP-S245 (SVGA) and CP-X255 (XGA) LCD projectors provide a wealth of options in a variety of applications. Incorporating all the features of the CP-S240 and CP-X250, the 6.4 lb. CP-S245 and CP-X255 add an RJ-45 ethernet port, allowing for network control, maintenance and scheduling.

Web Browser Access, Control and Management
Using a standard web browser provides access to the projector from any location on your network. This powerful feature allows you to control, diagnose and schedule alerts/events for the projector from anywhere on the network, without the need for additional software.

PJImg (Projector Image Tool)
Hitachi's latest projector software application, PJImg, allows you to transfer images across a LAN to the projector. The image is stored in the projector and displayed using their 'e-Shot' feature. They can store four separate 'e-Shot' images that can be recalled/displayed using the remote control, from the desktop or laptop (via PJCtrl) or PJMan applications. 'e-Shot' is great for sending your presentation images ahead to the projector, so you can leave your computer behind. Also ideal for sending morning announcements to rooms on campus as well as sending important notifications or emergency instructions.

Self-Managing
The CP-S245 and CP-X255 have internal scheduling and e-mail capabilities, which allow them to manage themselves. Internal scheduling allows the projectors to perform routine unmanned operations like Power On/Off, input source selection and to display images stored inside of the projector's memory (e-Shot feature).
Routine and critical maintenance alerts can be sent by e-mail directly from the projector, allowing you to react immediately when needed.

Security
The CP-S245 and CP-X255 provide a number of security features that allows you to control who access to the projector, including multi-level password protection. Administration level log-on provides full access to all control and settings screens. User level log-on provides a user with basic projector control. Other security features include SSL and authentication for usage with SNMP and Hitachi networking applications.

HITACHI

CP-RS55/RX-60 • CP-S240/S245/X250/X255

Projector Replacement Lamps

Replacement Lamp *(HILCPRS55)*
For CP-RS55 and CP-RX60 projectors **184.95**

Replacement Lamp *(HILCPS240)*
For CP-S240, CP-S245, CP-X250 and CP-X255 projectors **294.95**

	CP-RS55	CP-RX60	CP-S240	CP-S245	CP-X250	CP-X255
Native Resolution	SVGA (800 x 600)	XGA (1024 x 768)	SVGA (800 x 600)	SVGA (800 x 600)	XGA (1024 x 768)	XGA (1024 x 768)
Display Technology	LCD 0.55" Polysilicon Active Matrix TFT x3	LCD 0.6" Polysilicon Active Matrix TFT x3	LCD 0.6" Polysilicon Active Matrix TFT x3	LCD 0.6" Polysilicon Active Matrix TFT x3	LCD 0.6" Polysilicon Active Matrix TFT x3	LCD 0.6" Poly-silicon Active Matrix TFT x3
Input Sources	RGB (15-pin D-sub), video (S-Video and RCA), audio (3.5mm mini jack)	RGB (15-pin D-sub), video (S-Video and RCA), audio (3.5mm mini jack)	RGB (15-pin D-sub), video (S-Video and RCA), audio (3.5mm mini)	RGB (15-pin D-sub), video (S-Video (S-Video and RCA), audio (3.5mm mini)	RGB (15-pin D-sub), video (S-Video (S-Video and RCA), audio (mini & RCA)	RGB (15-pin D-sub), video (S-Video (S-Video and RCA), audio (mini & RCA)
Output Terminals	9-pin D-sub, RS-232C	9-pin D-sub, RS-232C	RGB (15-pin D-sub), audio (3.5mm mini)	RGB (15-pin D-sub), audio (3.5mm mini)	Monitor loop through, audio (3.5mm mini)	Monitor loop through, audio (3.5mm mini)
Computer Compatibility	VGA through SXGA, Macintosh	SVGA, VGA, XGA, UXGA, Macintosh	SXGA, SVGA, VGA, UXGA, Macintosh	VGA, through UXGA, Macintosh, Ethernet	VGA, through UXGA,	VGA, through UXGA, Macintosh, Ethernet
Video Compatibility	NTSC, PAL, SECAM, SDTV (480i, 480p, 576i) HDTV (750p, 1125i)	NTSC, NTSC4.43, PAL, SECAM, PAL-M, PAL- N	NTSC, PAL, SECAM, DVI, HDTV (1080i, 576p, 720p, 480p)	NTSC, PAL, SECAM, HDTV (1080i, 1080p, 720p, 480p)	NTSC, PAL, SECAM, SDTV, HDTV (750p, 1080p, 1125i, 1035i)	NTSC, PAL, SECAM, SDTV, HDTV (750p 1080p, 1125i, 1035i)
Max ANSI Lumens	1500 ANSI lumens	1500 ANSI lumens	2000 ANSI lumens	2000 ANSI lumens	2000 ANSI lumens	2000 ANSI lumens
Contrast Ratio	300:1	300:1	400:1	400:1	400:1	400:1
Projection Lens *(std.)*	1.2:1 Zoom with manual focus & zoom	1.2:1 Zoom with manual focus & zoom	1.2:1 Zoom with manual focus & zoom	1.2:1 Zoom with manual focus & zoom	1.2:1 Zoom with manual focus & zoom	1.2:1 Zoom with manual focus & zoom
Throw Ratio	1.8:1	1.6:1	1.83 – 2.27:1	1.52:1 – 1.86:1	1.52:1 – 1.86:1	1.52:1 – 1.86:1
Projection Distance	4.8' to 24.3'	4.4' to 22.54'	5' to 32.8'	5' to 32.8'	5' to 32.8'	5' to 32.8'
Lamp *(Bulb)*	165W UHB	165W UHB	180W UHB	180W UHB	180W UHB	180W UHB
Bulb Life Expectancy	2,000 hours	2,000 hours	2,000 hours	2,000 hours	2,000 hours	2,000 hours
Aspect Ratio	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible
Screen Projection	Front and Rear	Front and Rear	Front and Rear	Front and Rear	Front and Rear	Front and Rear
Ceiling Mountable	Yes	Yes	Yes	Yes	Yes	Yes
Keystone Correction	±15° vertical correction	±15° vertical correction	±15° vertical correction	±15° vertical correction	±15° vertical correction	±15° vertical correction
Built-in Speaker *(audio)*	1 Watt Mono	1 Watt Mono	1 Watt Mono	1 Watt Mono	1 Watt Mono	1 Watt Mono
Controls	Remote Control. 9-pin D-sub connector (RS-232C)	Remote Control. 9-pin D-sub connector (RS-232C)	Remote Control 9-pin D-sub (RS-232C), USB	Remote Control 9-pin D-sub (RS-232C), USB	Remote Control 9-pin D-sub (RS232), USB	Remote Control 9-pin D-sub (RS232), USB
Power Requirements	100V - 240V	100V - 240V	100V - 240V	100V - 240V	100V - 240V	100V - 240V
Power Consumption	240 Watt	240 Watt	290 Watt	290 Watt	290 Watt	290 Watt
Dimensions *(HLW)*	2.87 x 7.94 x 11.22"	2.87 x 7.94 x 11.22"	3.4 x 9.8 x 12"	3.4 x 9.8 x 12"	3.4 x 9.8 x 12"	3.4 x 9.8 x 12"
Weight	4.84 lbs.	4.84 lbs.	6.2 lbs.	6.7 lbs.	6.2 lbs.	6.7 lbs.

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CP-X440 • CP-X443 • CP-X444 • CP-X445

XGA Ultra-Bright Business/Conference Room Projectors

Incorporating advanced connectivity and portability, a unique optical engine and 230W UHB lamp, these easy-to-use projectors achieve high brightness of 2500 (CP-X440), 2700 (CP-X443) and 3200 (CP-X444/CP-X445) lumens to meet the needs of any business presentation. They feature XGA resolution for unmatched clarity, low noise of 33dB, manual 1:1.2 zoom, and Quick Start for improved start-up time. Full connectivity including standard video connections and RS-232 control is provided as well. They weigh 8 lbs. so they can be easily transported from room to room. The CP-X443 and CP-X445 are equipped with a LAN control function (RJ-45 Port), allowing users to control and efficiently operate a group of projectors on TCP/IP network. They also offer a DVI-D interface for added versatility. The CP-X443 and CP-X445 are designed with audio in mind as well with a 4x wave sound speaker system— four 3-watt speakers are built-in, providing sufficient sound in classrooms without the need for additional external speakers. All are backed by with a superb 3-year warranty.

FEATURES

High Quality

◆ Contrast ratios of 400:1 (CP-X443/445) and 500:1 (CP-X440 /444) guarantee bright projections with brilliant colors and true blacks. Essential for your presentations, even blocks of text and tables are easy to read.

◆ They provide true XGA (1024 x 768) resolution, utilizing three 0.79" LCD panels. Whether you are projecting a movie, a presentation, or still images from your digital camera, your audience will be treated to crisp, life like reproduction.

◆ With 2500, 2700 or 3200 lumens, high-quality, high-contrast images can be projected even in high ambient light conditions.

High Performance

◆ Manual 1.2x zoom lens with manual focus

◆ Digital Gamma correction optimizes the input and projector characteristics for an image free of washed-out or blacked-out areas, and uniform color gradation throughout the image.

◆ Vertical Digital Keystone correction of ±15° detects the projector's angle relative to the floor and automatically corrects for distortion accordingly. The CP-X443/445 also offer ±5° horizontal keystone correction.

◆ HDTV ready, they are compatible with 480i, 576i, 480p, 720p and 1080i signals

Conveniences

◆ Whisper Mode reduces projector noise level to 33dB, with a reduction in brightness.

◆ Freeze function displays a freeze-frame while preparing or switching to the next image.

◆ 'My Screen' functions allows you to store an image such as a company logo or a product picture in their non-volatile memory. This image is then displayed immediately when the projector is switched on, even before any input sources are connected, giving a more professional start to a presentation.

◆ The CP-X443/445 have four 3-watt speakers, providing sufficient sound in classrooms without the need for additional external speakers. The CP-X440/444 have a built-in 1-watt speaker.

◆ Reverse image function for ceiling mounting

◆ Kensington security slot

◆ They include fully functional remote control, the CP-X443/445 have a remote control with laser pointer. For reliable remote control from all directions there are IR detectors at the front, rear and top.

◆ The CP-X443 and CP-X 445 include a carrying case

Full connectivity including component, composite and S-Video inputs, and RS-232 port for external control. The CP-X440/444 are equipped with an additional computer output (D-sub 15-pin), the CP-X443/445 offer a DVI-D interface that accepts digital signals directly and a wired remote control.

CP-X440 • CP-X443 • CP-X444 • CP-X445
Projector Accessories

Projector Replacement Lamp *(HILCPX445)*
For the CP-X440, CP-X443, CP-X444 and CP-X445.
230w, 2000 hour lamp life....................................**394.95**

Expandable Soft Case *(HILCDS400)*
A soft vinyl carry with a large front pocket. Carried by a shoulder strap or overlapping carrying handles............**44.95**

	CP-X440	CP-X443	CP-X444	CP-X445
Native Resolution	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)
Display Technology	LCD 0.7" Polysilicon Active Matrix TFT x3	LCD 0.8" Polysilicon Active Matrix TFT x3	LCD 0.8" Polysilicon Active Matrix TFT x3	Reflective LCD Panel, 0.7 x 3" Active Matrix TFT x3
Input Sources	Analog RGB (15-pin D-sub), video (S-Video, Composite, Component), audio (RCA)	RGB (15-pin D-sub, DVI-I), video (S-Video, Composite, Component), audio (RCA)	Analog RGB (15-pin D-sub), video (S-Video, Composite, Component), audio (RCA)	RGB (15-pin D-sub, DVI-I), video (S-Video, Composite, Component), audio (RCA)
Output Terminals	9-pin D-sub, RS-232C	9-pin D-sub, RS-232C, Ethernet	9-pin D-sub, RS-232C	9-pin D-sub, RS-232C, Ethernet
Computer Compatibility	VGA, SVGA, XGA, SXGA, UXGA, Macintosh	VGA, SVGA, XGA, SXGA, UXGA, Macintosh	VGA, SVGA, XGA, SXGA, UXGA, Macintosh	VGA, SVGA, XGA, SXGA, UXGA, Macintosh
Video Compatibility	NTSC, PAL, PAL M, N, SECAM, NTSC4.43, HDTV, DTV (1080i, 576i,480p, 720p)	NTSC, PAL, PAL M, N, SECAM, NTSC4.43, HDTV, DTV (1080i, 576i,480p, 720p)	NTSC, PAL, PAL M, N, SECAM, NTSC4.43, HDTV, DTV (1080i, 576i,480p, 720p)	NTSC, PAL, PAL M, N, SECAM, NTSC4.43, HDTV, DTV (1080i, 576i,480p, 720p)
Max ANSI Lumens	2500 ANSI lumens	2700 ANSI lumens	3200 ANSI lumens	3200 ANSI lumens
Contrast Ratio	500:1	500:1	500:1	500:1
Projection Lens *(std.)*	1.2:1 Zoom with manual focus & zoom	1.3:1 Zoom with manual focus & zoom	1.2:1 Zoom with manual focus & zoom	1.2:1 Zoom with manual focus & zoom
Throw Ratio	1.5:1 – 1.8:1	2.3:1 – 3.0:1	1.5:1 – 1.8:1	1.5:1 – 1.8:1
Lamp *(Bulb)*	230W UHB	230W UHB	230W UHB	230W UHB
Bulb Life Expectancy	2,000 hours	2,000 hours	2,000 hours	2,000 hours
Aspect Ratio	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible
Screen Projection	Front and Rear	Front and Rear	Front and Rear	Front and Rear
Ceiling Mountable	Yes	Yes	Yes	Yes
Keystone Correction	±15° vertical correction	±15° vertical correction	±15° vertical correction	±15° vertical correction
Built-in Speaker *(audio)*	1 Watt Mono	3 Watt X4	1 Watt Mono	3 Watt X4
Controls	Wireless Remote, 9-pin D-sub for RS-232C	Wireless Remote, 9-pin D-sub for RS-232C, USB, Wired Remote Control	Wireless Remote, 9-pin D-sub for RS-232C	Wireless Remote, 9-pin D-sub for RS-232C, USB, Wired Remote Control
Power Requirements	100V - 240V	100V - 240V	100V - 240V	100V - 240V
Power Consumption	370 Watt	370 Watt	370 Watt	370 Watt
Dimensions *(HLW)*	3.7 x 10.4 x 13.2"	3.7 x 10.4 x 13.2"	3.7 x 10.4 x 13.2"	3.7 x 10.4 x 13.2"
Weight	7.7 lbs.	8.3 lbs.	8.2 lbs.	8.59 lbs.

HITACHI

CP-X1200 • CP-X1230 • CP-X1250 • CP-SX1350

Super-Bright XGA Projectors for Medium-to-Large Sized Venues

With exceptionally high brightness, a range of lens options, and network functionality, these projectors are designed for large-scale presentation venues such as auditoriums, training centers and lecture halls. The CP-X1200 (XGA) offer a brightness of 3500 lumens and 800:1 contrast ratio, the CP-X1250 (XGA) offers brilliant, crisp images at 4,500 lumens. The high resolution CP-SX1350 (SXGA) features brightness of 3500 lumens and 650:1 contrast ratio. All three projectors are equipped with a 1.5x zoom that can display images on a screen up to 500". Via their bayonet lens mount, there are four optional lenses available for specific applications based on the size and environment of a room. Additional features include digital horizontal and vertical keystone correction, lens shift (10:1 to 1:1), progressive scan for reproducing the highest quality picture, front exhaust systems and convenient lamp replacement.

They can also be remotely controlled and maintained through either a wireless IEEE802.11b or a wired 802.1/1BASE-TX network connection. The network functionality also makes it easy to control multiple projectors in different rooms and to monitor for functions such as remaining lamp life. They each weigh 17 lbs. and offer a full range of connectivity options such as RGB, composite, component, DVI, S-Video and USB.

Otherwise the same, but designed for installations that don't require interchangeable lenses, lens shifting or networking capability, the CP-X1230 (XGA) offers 3,500 ANSI lumens and 400:1 contrast ratio

FEATURES

◆ Digital Gamma and color temperature correction

◆ Better quality picture is achieved when the lens shift is set to the center. The projector lens can be shifted vertically from 10:0 to 1:1. When you want to finely adjust the picture position, use the LENS SHIFT buttons of the projector.

◆ Using the USB control feature, you can use the remote control as a simplified mouse or keyboard of the computer.

◆ P-i-P (Picture in Picture) is available when a RGB signal is selected to main screen.

◆ A 3-D digital Y/C separation circuit helps boost resolution and reduce noise

◆ Vertical Digital Keystone correction of ±15° detects the projector's angle relative to the floor and automatically corrects for distortion. They also offer ±5° horizontal keystone correction.

◆ With the built-in ethernet port and bundled software, they offer network control, diagnostics and monitoring (including e-mail alerts)

◆ Convenient lamp replacement

◆ Reverse image function for ceiling mounting

◆ My Screen' functions allows you to store an image such as a company logo, which will be displayed immediately when the projector is switched on.

◆ HDTV ready, they are compatible with 480i, 576i, 480p, 720p and 1080i signals

◆ Full connectivity includes: analog RGB (15-pin and 5 BNCs), digital RGB (M1) input, and an additional computer output (D-sub 15-pin); video inputs (component, composite, S-Video); an RJ-45 ethernet port for networking; RS-232 port for external control; M-1 input for USB remote mouse control and a 3.5mm input for optional wired remote control.

OPTIONAL LENSES

Fixed Ultra Short Lens *(HIFL501)*
Fixed 16mm f/2.3 lens with a focus range of 37" - 147". Throw distance ratio is 0.8:1. Weighs 1.8 lbs **1399.95**

1.35x Short Zoom Lens *(HISL502)*
23 - 31mm f/2.2-2.8 zoom lens with a focus range of 34" - 453" (wide) and 48" - 614" (tele). Throw distance ratio is 1:1 - 1.5:1. Weighs 2.7 lbs **1519.95**

1.8x Long Zoom Lens *(HILL503)*
46 - 82mm f/2.1 - 2.6 zoom lens with a focus range of 69" - 913" (wide), 130" -1669" (tele). Throw distance ratio is 2:2 - 4.1:1. It weighs 3.2 lbs **1799.95**

1.8x Ultra Long Zoom Lens *(HILL504)*
80 - 144mm f/2.2 - 3.0 zoom lens with a throw distance ratio of 3.9 - 7.3:1. It weighs 2.6 lbs **1999.95**

CP-X1200 • CP-X1230 • CP-X1250 • CP-SX1350

Projector Accessories

Projector Replacement Lamp *(HILCPX1250)*
For the CP-X1250, X1230, and X1350..**459.95**

Projector Replacement Lamp *(HILCPX1200)*
For the CP-X1200 projector **479.95**

	CP-X1200	CP-X1230	CP-X1250	CP-X1350
Native Resolution	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)	SXGA+ (1400 x 1050)
Display Technology	LCD Panel 0.99" Polysilicon Active Matrix TFT x3 with Micro	LCD Panel 0.99" Polysilicon Active Matrix TFT x3	LCD Panel 0.99" Polysilicon Active Matrix TFT x3 with Micro	LCD Panel 0.99" Polysilicon Active Matrix TFT x3 with Micro
Input Sources	Analog RGB (15-pin D-sub), BNC, M1-D, Video (S-Video, Composite, Component), Audio (RCA)	Analog RGB (15-pin D-sub), BNC, M1-D, Video (S-Video, Composite, Component), Audio (RCA)	Analog RGB (15-pin D-sub), BNC, M1-D, Video (S-Video, Composite, Component), Audio (RCA)	Analog RGB (15-pin D-sub), BNC, M1-D, Video (S-Video, Composite, Component), Audio (RCA)
Output Terminals	9-pin D-sub, RS-232C, Ethernet	9-pin D-sub, RS-232C	9-pin D-sub, RS-232C, Ethernet	9-pin D-sub, RS-232C, Ethernet
Computer Compatibility	VGA, SVGA, XGA, SXGA UXGA, Macintosh	VGA, SVGA, XGA, SXGA UXGA, Macintosh	VGA, SVGA, XGA, SXGA, UXGA, Macintosh	VGA, SVGA, XGA, SXGA SVGA+, UXGA, Macintosh
Video Compatibility	NTSC, PAL, PAL M, N, SECAM, NTSC4.43, HDTV, DTV (480i, 1080i, 575i, 480p, 720p)	NTSC, PAL, PAL M, N, SECAM, NTSC4.43, HDTV, DTV (480i, 1080i, 575i, 480p, 720p)	NTSC, PAL, PAL M, N, SECAM, NTSC4.43, HDTV, DTV (480i, 1080i, 575i, 480p, 720p)	NTSC, PAL, PAL M, N, SECAM, NTSC4.43, HDTV, DTV (480i, 1080i, 575i, 480p, 720p)
Max ANSI Lumens	3500 ANSI lumens	4000 ANSI lumens	4500 ANSI lumens	3500 ANSI lumens
Contrast Ratio	800:1	400:1	800:1	650:1
Projection Lens *(std.)*	1.5:1 Zoom with power focus & zoom	1.5:1 Zoom with power focus & zoom	1.5:1 Zoom with power focus & zoom	1.5:1 Zoom with power focus & zoom
Throw Ratio	1.5:1 – 2.2:1	1.5:1 – 2.2:1	1.5:1 – 2.2:1	1.5:1 – 2.2:1
Lamp *(Bulb)*	275W UHB	310W UHB	310W UHB	310W UHB
Bulb Life Expectancy	2,000 hours	2,000 hours	2,000 hours	2,000 hours
Aspect Ratio	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible
Screen Projection	Front and Rear	Front and Rear	Front and Rear	Front and Rear
Ceiling Mountable	Yes	Yes	Yes	Yes
Keystone Correction	±15° vertical correction	±15° vertical correction	±15° vertical correction	±15° vertical correction
Built-in Speaker *(audio)*	1 Watt Stereo	1 Watt Stereo	1 Watt Stereo	1 Watt Stereo
Controls	Wireless Remote, 9-pin D-sub for RS-232C, M-1 (for USB remote and mouse)	Wireless Remote, 9-pin D-sub for RS-232C	Wireless Remote, 9-pin D-sub for RS-232C, M-1 (for USB remote and mouse)	Wireless Remote, 9-pin D-sub for RS-232C, M-1 (for USB remote and mouse)
Power Requirements	100V - 240V	100V - 240V	100V - 240V	100V - 240V
Power Consumption	430 Watt	470 Watt	470 Watt	470 Watt
Dimensions *(HLW)*	6.3 x 12.6 x 16.5"	6.3 x 12.6 x 16.5"	6.3 x 12.6 x 16.5"	6.3 x 12.6 x 16.5"
Weight	17 lbs.	15.2 lbs.	17 lbs.	17 lbs.

IN72 • IN76

Play Big Series Digital Home Theater Projectors

The Play Big IN72 and IN76 deliver outstanding performance with a look reminiscent of a sports car. Design meets digital projection with a stylish edge including curved lines with a high-gloss black finish and satin chrome accents to complement any decor whether the lights are on or off. Play Big projectors are brighter than most plasma TVs and offer the best value per diagonal inch for big screen viewing. They produce a stunning image ranging from 60" to filling a wall 144" diagonal. All this in a clean, sculptural package that can be proudly displayed in any home environment.

The Play Big IN72 is an affordable 480p resolution projector bringing the big picture experience to home entertainment and gaming. The Play Big IN76 is a performance-rich 720p native HD front projector that delivers a superb big theater experience. They are easy to use, featuring auto-ceiling mount detection, integrated table-top pedestal, quiet operation and a patented low light pollution case. They feature true 16:9 aspect ratio and video optimized light output, colors and contrast (model dependent) for excellent video quality and an image larger than traditional plasma, LCD or RPTV options.

FEATURES

High Quality

◆ The IN72 and IN76 uses Pixelworks' DNX video-processing technology to dramatically improve the quality of video by combining multiple enhancement techniques to deliver clear, natural-looking standard and high-definition images. DNX technology utilizes sophisticated digital video processing to deliver a lifelike picture every time.

◆ Native SVGA 854 x 480 (IN72) and XGA 1280 x 720 (IN76) resolution creates high-definition reality from any HD source. The 480p (IN72) and 720p (IN76) DarkChip2 DLP from Texas Instruments provides increased depth and picture sharpness, as well as true blacks and whites.

◆ To give you brilliant, dramatic SMPTE (cinema-standard) brightness, the IN72 features 900 video-optimized lumens and 2000:1 calibrated contrast ratio; the IN76 offers 900 lumens and 3000:1 calibrated contrast ratio.

◆ The advanced six-segment color wheel delivers intense, precise colors that rival any movie theater screen.

Flexible Setup

◆ Play Big projectors easily connect to nearly any home-electronic device including: DVD players, satellite receivers, high-definition broadcast receivers, TVs, computers, and major video game consoles.

◆ The IN72 and IN76 have a sleek, futuristic, low-profile appearance that adds a subtle sophistication to any room. They include an integrated cable cover to hide unwanted wires when ceiling mounted and a unique, integrated swivel pedestal that simplifies tabletop set-up and is easily removed for ceiling mount applications.

◆ Five user-selectable video inputs enable impressive connectivity with a full range of devices, including VCRs, DVDs, component and RGB HDTVs and your game console of choice.

◆ Inputs include composite, S-Video, HD-compatible component video, HDMI digital video input, and M1-DA (compatible with DVI-HDCP, RGB analog, or component analog signals - each requires an adapter cable).

High Performance

◆ With widescreen 16:9 native aspect ratio (can also display 4:3 material) they deliver an amazing big picture experience by filling the wall, or a screen, with bright, vivid and crisp images, capturing every detail of a movie, sporting event, or video game.

◆ They come calibrated to D65 color standards to ensure cinema-quality color reproduction.

◆ 160w/200w dual-setting SHP lamp (3000-hour rated life)

◆ Digital keystone adjustment is available up to ±20° vertical so that you always project a square, undistorted picture to your audience

◆ They include an HDMI (high definition multimedia interface) input, which provides the easiest and highest quality video interface available from DVD players, HD receivers and HD game consoles with HDCP enabled (high-bandwidth digital contents protection).

◆ Fully recessed 1.2x zoom lens with manual focus and manual zoom adjustment. Minimum projection distance is 5'.

IN72 • IN76

Conveniences

◆ Remember the first time you programmed a VCR? Drove a clutch? Used your microwave? Forget all those mind-bending experiences. You probably can't imagine how easy it is to turn on and use the Play Big projectors:

◆ Enjoy setup in a snap with a simple keypad and a full-featured home entertainment remote control with patent-pending flashlight feature, direct source access, programmable presets and more.

◆ Easy-to-use menu allows you to quickly scroll and select settings. The icon-based menu allows you to quickly scroll and select your settings in your choice of 12 languages — without interrupting the show.

◆ Their unique swivel base lets you set them conveniently on your coffee table or easily mounted on your ceiling.

◆ Equipped with a 3.5mm mini-jack trigger that provides a 12v DC constant output for connection to a projector screen. When you turn the the projectors on the screen will move down; when you turn them off, the screen will return to the storage position.

◆ Projector placement includes ceiling, front and rear projection.

Optional Accessories

Universal Ceiling Mount *(INSPCEILUNIV)*

Mount the IN72 or IN76 to the ceiling with this versatile ceiling mount. When flush mounted, it offers a 30° swivel. When used with an optional extension arm, it has a +5°/ -20° pitch, ±10° roll, and 360° yaw. Includes hardware for installation to wood joist or concrete **142.50**

Ceiling Mount Extension Arms

6-9" Extension Arm *(INSPEXTARM01)* **78.95**
12-18" Extension Arm *(INSPEXTARM02)* ...**104.95**
18-24" Extension Arm *(INSPEXTARM03)* ..**114.95**
24-36" Extension Arm *(INSPEXTARM04)*..**129.95**

M1 to DVI Cable *(INSPM110M)*
33' cable supports connection from the M1 port on your IN72 and IN76 digital display to DVI on the computer.............**128.95**

	IN72	IN76
Native Resolution	SVGA (854 x 480)	XGA (1280 x 720)
Aspect Ratio	16 x 9 (supports 4:3, 16:9)	16:9, 4:3
High Brightness	900 lumens	1000 lumens
Whisper Brightness	720 lumens	800 lumens
Contrast Ratio	2000 : 1 Full On/Full Off	3000 : 1 Full On/Full Off
Display Technology	0.55" DarkChip2 480p 12° DDR, DLP	DarkChip2 720p 12° LVDS, DLP
Data Compatibility	640 x 480, 800 x 600, 1024 x 768	640 x 480, 800 x 600, 1024 x 768, 1280 x 1024
Video Compatibility	Full NTSC, PAL, SECAM, 480i, 480p, 576i, 576p, 720p, 1035i, 1080i, 1080p-24Hz, 1080p-24p	Full NTSC, PAL, SECAM, 480i, 480p, 576i, 576p, 720p, 1035i, 1080i, 1080p-24Hz, 1080p-24p
Color Wheel (DLP Only)	6-segment, 4-speed, D65K (6500K) color calibrated	6-segment, 4-speed, D65K (6500K) color calibrated
SMPTE Brightness	Up to 11.5' wide with 1.0 gain screen	Up to 12' wide with 1.0 gain screen
Standard Lens Zoom	1.2 : 1	1.2 : 1
Lamp Wattage (Bright)	200 watts	200 watts
Lamp Wattage (Whisper)	160 watts	160 watts
Lamp Wattage	3000 hours	3000 hours
Throw Ratio	1.76:1 - 2.12:1	1.53 - 1.94:1
Image Offset Ratio	128%	116%
Projection Distance	5 - 20'	5 - 20'
V-Sync Range	50 - 85Hz	50 - 85Hz
Dimensions (WHD)	14.2 x 4.7 x 14.2"	14.2 x 4.7 x 14.2"
Weight	9.3 lbs.	9.3 lbs.

Replacement Lamp *(SP-LAMP-025)*: For the IN72 and IN76 ....**CALL**

16:9 Projection Screens

Motorized Screen

92" Diagonal
Manual Pull Down Screen *(INMPDS92HG)*
16x9 HDTV format, 45 x 80" (HW). the screen is made from high-contrast gray material and locks at intervals to fit a variety of projection formats. It can be easily installed directly onto the wall or ceiling **159.95**

92" Diagonal
Motorized Screen *(INMS92120HU)*
16x9 HDTV format, 45 x 80" (HW). Powered by a quiet, compact motor, it is in sight only when you want it to be. Made from high-contrast gray material. 120 volt **799.95**

92" Diagonal
Wall Mounted Screen *(INWMS92HG)*
16x9 HDTV format, 45 x 80" (HW). Provides a perfectly flat viewing surface and features a black powder-coated frame with a smooth, gray, non-supported vinyl material.......**749.95**
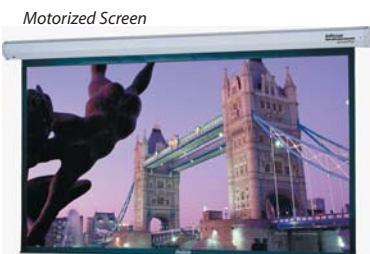
LP120

1000 Lumens Portable XGA DLP Projector

You're on the move. You want a projector that moves with you. One that doesn't weigh you down. A projector that is as portable as your PDA and laptop. A head-turning solution, the revolutionary LP120 has the size, shape, and robustness that redefines mobile projection. Weighing just 1.9 lbs. the ultra-hip, ultra-powerful M1 packs full projection functionality into its space-age magnesium frame, so you don't sacrifice for mobility. It features DLP technology, 1000 ANSI lumens, XGA resolution, 2000:1 contrast ratio, quiet operation, wireless-ready capability, and color-coded connections for convenience. And since the M1 is designed to tuck into your briefcase right next to your laptop, taking your show on the road has never been so easy.

High Brightness & Resolution

◆ Projects images with outstanding clarity and detail, offering a brightness of 1000 lumens and true XGA (1024 x 768) resolution.

◆ Built-in M1-DA connector allows seamless digital-to-digital connectivity, and delivers remarkable video quality and image clarity.

◆ Optical zoom lens (manual zoom and focus) lets you change the size of the image being projected without moving the projector.

◆ 2000:1 contrast ratio allows the projector to show subtle color details and tolerate extraneous room lighting.

High Performance

◆ Despite its robust functionality, the LP-120 operates at 36dB, quiet enough for even the smallest meeting spaces.

◆ Includes exclusive ProjectorManager control software that allows projector control via the PC, enhanced presentation effects, even logo and startup screen customization. (See box on next page for more details).

◆ Digital vertical keystone adjustment is available for situations where the projector cannot be placed in an ideal location. It compensates for up to ±7.5° angles, so that you always project a square, undistorted picture to your audience.

Conveniences

◆ Ease-of-use with ProjectAbility — color-coded ports and cables help you connect the projector in seconds

◆ Dual infrared sensors on the projector allows the remote control to operate from anywhere in the room.

◆ The LP-120 was designed to reduce the anxiety of using a projector. A simplified key-pad on the top of the projector delivers one-touch operation, so there's no need to refer to the manual for common tasks.

◆ The 7-language interactive display gives immediate feedback on projector status at all times. An intuitive 12-language, icon-based menu lets you simply scroll and select.

◆ Color-coded connections for easy setup, right out of the box.

Wireless Capability

◆ Simply add the optional LiteShow module, and you're ready to project wirelessly. A cable-free digital projection solution, LiteShow makes switching between multiple PCs effortless. No more plugging or unplugging sources between presenters. No more worrying about connectivity issues. (See page 55 for more information).

◆ Project anywhere, anytime, up to 300' away from the projector.

◆ Based on Wi-Fi (802.11b), LiteShow works with existing wireless cards. Project any data from a laptop rendering XGA resolution, 24-bit color images with cable-like performance.

◆ Unparalleled advanced cryption system ensures that your content is as secure and reliable as when using a projector cable.

To travel light is the business traveler's mantra. The LP-120 weighs just 1.9 lbs., and with its revolutionary shape, fits where others can't. And because of it's compact size, you'll only need one briefcase for your laptop and the projector.

The LP-120 utilizes DLP (Digital Light Processing) technology to project high-contrast images on screens up to 11.5'. DLP enables projection systems to create a purely digital connection between a digital video or graphic source and the screen in front of you. DLP projection unleashes the full potential of the content you want to see - whether in a movie theatre, office, or your own living room.

LP70+

1500 Lumens Portable XGA DLP Projector

Whether you're presenting or simply capturing information in a group meeting, you won't want to be without the LP70+. Its sleek, savvy design turns heads before you turn it on and its compact size makes it the must-have tool for any meeting with 2 or more people. 1500 powerful lumens flood any room with brilliant color and unparalleled clarity. Integrated data, video and audio yield a projector that's ready to make your multimedia presentation larger than life. A full-featured projector in a convenient package, the LP70+ raises the bar without raising the price. Change rooms, change audiences, change cities — the compact LP70+ provides flexibility for any environment. And since the LP70+ is wireless-ready, it's easy to add wireless capability to the projector.

FEATURES

High Brightness & Resolution

◆ Projects images with outstanding clarity and detail, offering an excellent 1500 lumens light output and true XGA (1024 x 768) resolution.

◆ Uses a 120w UHP lamp for high brightness. The lamp has 4,000 hour lamp-life.

◆ Built-in DVI connector allows seamless digital-to-digital connectivity, and delivers remarkable video quality and image clarity.

◆ 1100:1 contrast ratio allows the projector to show subtle color details and tolerate extraneous room lighting.

◆ Compatible with all NTSC, PAL, SECAM, NTSC 4.43 as well as HDTV (480p, 576p, 720p and 1080i) signals.

High Performance

◆ Can be controlled via the keypad or supplied Wireless Interlink Navigator remote control.

◆ Operates at 36dB, quiet enough for even the smallest meeting spaces.

◆ Optical zoom lets you change the size of the image being projected without moving the projector.

◆ Digital keystone adjustment is available to compensate for up to ±15° angles, so that you always project a square, undistorted picture to your audience

◆ Zoom lens with manual focus and manual zoom adjustment. Minimum projection distance is 5', maximum is 33'.

Conveniences

◆ Color-coded ports and cables help you connect the projector in seconds

◆ Dual infrared sensors give you 360° of control from anywhere in the room when using the remote.

◆ The LP70+ weighs just 2.4 lbs., so it can go wherever you go, making it easy to share information at a moment's notice.

◆ Simple one-touch keypad operation on the top of the projector and icon-based menus (in 11 languages) makes the LP70+ easy to operate, right out of the box.

◆ A security lock for use with optional security cables, to leave the projector setup overnight.

Wireless Capability

Just add the optional LiteShow module, and you're ready to project wirelessly. A cable-free digital projection solution, LiteShow makes switching between multiple PCs effortless. No more plugging or unplugging sources between presenters. No more worrying about cables and connectivity issues.

Bundled ProjectorManager Control Software

Exclusive ProjectorManager control software allows projector control via the PC, enhanced presentation effects, even logo and startup screen customization. Adjust control source, color, tint, brightness and keystone quickly and easily. And should you need IT support, ProjectorManager sends a snapshot of the projector information. It provides power users the ability to freeze the projected image, for changes without distracting others looking at the screen. Picture-in-Picture for multiple sources, magnification to enlarge key areas of a file or masking to reveal images one piece at a time. With an InFocus projector – you're in control. PiP (Picture in Picture) allows you to overlay a smaller window showing the video source on top of the larger computer source window. You can select a small, medium, or large window. You can also move the PiP window using the PiP Position X and Y options in the menu.

X2 • X3

SVGA and XGA 2000 Lumens DLP Projectors

Business by day, entertainment by night. Now you can rely on a single product to present complicated data including charts, graphs and detailed lesson plans in the office or classroom, as well as at home with family and friends to watch a summer blockbuster or play a new videogame. The X2 (SVGA, 1600 lumens) and X3 (XGA, 1700 lumens) are award-winning multi-use projectors that cater to small and medium businesses, government agencies, and educators where value and price performance are key factors.

Designed for easy set-up and use, they feature color-coded cables, intuitive keypads, simple remote controls and smart interactive menus that enable easy operation. Educators will find that their active monitor and audio loop-through feature make them the perfect choice for classroom use. At 6.8 lbs., they provide excellent video quality 2000:1 contrast ratio and automatic deinterlacing for smooth, true-to-life images. They integrate TI's DarkChip2 DLP technology for sharp, colorful images that won't deteriorate over time. Experience crisp, clear data and video projected every time in wall-filling sizes.

Extensive connectivity allows use with computers, PDAs, DVD players, satellite TV receivers and video game consoles. Pair them with the InFocus LiteShow secure wireless solution, and experience wireless freedom at its finest. Now multiple presenters can share the projector with a touch of a button instead of hassling with a cable.

FEATURES

High Brightness & Resolution

◆ With the true digital video quality they delivers crisp images and full color, whether you're looking at this year's numbers or the year's best picture. DLP technology provides a stunning 2000:1 contrast ratio and automatic de-interlacing, for smooth, true-to-life images that jump off the screen and pull your audience in.

◆ Deliver superior brightness at work or anywhere else. 1.2x zoom lens fills your screen or wall with 1600 (X2) or 1700 (X3) lumens. And with a 3000-hour (X2) or 4000-hour (X3) lamp life, you can count on a very long viewing experience.

◆ They can be connected to a laptop, PDA, DVD player, cable or satellite TV system, digital camera, or game console for versatile viewing from a variety of sources.

◆ Compatible with all NTSC, PAL, SECAM, NTSC 4.43 as well as HDTV (480p, 576p, 720p and 1080i) signals.

High Performance

◆ Designed for easy set-up and use, they let you get started right away with intuitive keypads and menus. One simple keypad delivers one-touch operation. No need to refer to the user manual for common tasks; just scroll through the menu and select.

◆ They can be attached to external amplified speakers via a stereo audio cable from the Audio Out connector. Alternatively, you can bypass the projector's 2.5-watt audio system and connect the audio directly from your source to a stereo or home theater system.

◆ For smooth presentation, operational noise is a quiet 39dB (standard mode) or very quiet 37dB (whisper mode). Sudden noise from fan operation is eliminated by a linear control system, which uses a built-in thermo sensor to regulate operation.

◆ Weighing only 6.8 lbs., they are easy to carry to/from work. When you need to leave them overnight, they offer a security lock for use with a PC Guardian Cable Lock System.

Easy Setup

◆ Hookup is simple with color-coded connections.

◆ Digital vertical keystone correction of up to ±10° compensates for angled projector placement.

◆ An intuitive 12-language, icon-based menu les you simply scroll and select.

◆ Power Save and Screen Save, are provided to automatically shut down the projector after several minutes of inactivity or display a black screen. This helps preserve lamp life.

◆ Equipped with a 3.5mm mini-jack trigger that provides a 12v DC constant output for connection to a projector screen. When you turn the the projectors on the screen will move down; when you turn them off, the screen will return to the storage position.

◆ If you're ready for wireless freedom, they are compatible with the LiteShow wireless solution for a smooth show without the cables. (See page 55 for more details).

LP600

2000 Lumens XGA Meeting Room DLP Projector

The LP600 combines unrivaled power, access and simplicity to give you digital projection with PC-free playback. A stand-alone projector, the LP600 offers an impressive selection of connection options — wired or wireless, computer or video sources, and even the option to go PC-free with your USB flash drive — setting you free to focus on a flawless delivery, and not your equipment.
It features a bright 2000 lumens (standard mode; 1500 lumens in whisper mode), a contrast ratio of 1000:1, native XGA resolution, as well as a multitude of connection options, including M1-DA and VESA for computers, RS-232, stereo audio input and loop, S-Video and component (RCA) video.
Incorporating LitePort technology, power is at your fingertips, literally. The projector does all the work for you, from sensing file types to displaying the image. Nothing could be simpler. Got a flash drive? You've got a presentation. The LP600 can set you free from lugging laptops to your meetings, free from wires, and free from hassle. Simply plug your USB flash drive into the LitePort connection, and the projector takes care of the rest, with all the software you'll need built right in. In addition, the LP600 offers wireless interaction through the optional LiteShow wireless module, networked control through optional ProjectorNet software and module, intuitive controls and remote, automatic projector orientation, and color-coded inputs for your convenience.

FEATURES

◆ Incorporates true power housed in a stylish, lightweight package. Packed with the latest generation of DLP technology from Texas Instruments, this projector runs quiet and cool while delivering intense radiance and stunning contrast.

◆ Powerful performance includes a bright 2000 lumens (standard mode; 1500 lumens in whisper mode), a contrast ratio of 1000:1 and native XGA resolution.

◆ To control of multiple projectors, optional ProjectorNet allows remote central management from a single PC over a network. By leveraging the network to remotely troubleshoot and correct problems, you can reduce support costs and improve productivity. (See page 104 for more details).

◆ Compatible with the LiteShow wireless solution for a smooth show without the cables. (See page 55 for more details).

◆ Compatible with NTSC, PAL, SECAM, DVI and and HDTV (1080i, 720p, 480p) signals.

◆ 1.2:1 manual zoom lens. Minimum projection distance is 5', maximum is 33'.

◆ Automatic vertical keystone correction, plus keystoned images can be corrected digitally up to ±10° (vertical).

◆ Control via menu, keypad, ProjectManager or RS-232. Mouse control via USB.

◆ Automatic projector orientation and color-coded inputs for added convenience.

◆ For smooth presentation, operational noise is a quiet 37dB (standard mode) or very quiet 35dB (whisper mode).

LightPort

◆ With LitePort, the LP600 gives you true PC-free playback. Simply bring your presentation files on any USB-compatible flash drive, and the projector does the rest. No more lugging PCs and laptops to your meetings. Simply plug your USB flash drive into the LitePort slot, and the projector takes care of the rest, with all the software you'll need built right in.

◆ LitePort automatically displays any JPEG image from your digital camera. Or convert Word or PowerPoint files into the highest quality JPEG images possible using the included LitePort Utility software. Transfer these images from your computer to the projector using a USB flash drive and your images are ready to be displayed. Use the remote control to select which JPEGs to view or set up the LitePort player to select display preferences and automatically display and advance your JPEGs. When active, the player has three modes:

— Folder View mode shows a thumbnail image representing each folder that contains a valid JPEG. The thumbnail for that folder is the first JPEG alphabetically in that folder.

— File View mode, which shows a thumbnail of the valid JPEGs in that folder.

— Full Screen mode, which shows the first JPEG in the selected folder.

LP-640

2200 Lumens XGA Meeting Room LCD Projector

Outstanding color saturation plus best-in-class performance equals a presentation that will be remembered. If it's brightness that opens your eyes, a long-life UHP lamp lets your message shine 2200 lumens strong. This projector combines breakthrough features like automatic vertical keystone adjustment and even goes a step further than most with horizontal keystone correction and automatic image synchronization with your computer.

Experience low maintenance and easy installation with the LP-640. Take advantage of out-of-the-box networking with ProjectorNet software and control your projectors from a central location. With the LiteShow wireless solution, you can take advantage of wireless freedom in any meeting room to project instantly, without any cable hassle.

Automatic keystone correction and ceiling detection ensure your image is set up correctly, with no manual work on your part. Automatic synchronization with computer and video sources allow for quick starts and smooth transitions.

Ease, Incorporated Imagine. A projector that works the way you do. Thoughtful innovations make projecting easier than it's ever been before—from setup, use, options and management. It's one-touch, instant projection, with unparalleled ease-of-use that lets you present without hassles or practice.

ProjectorNet Networking Software

ProjectorNet is a client/server based networking solution designed to allow IT and facilities personnel to manage multiple projectors from a single PC—just as they would shared computers and printers. ProjectorNet enables remote control of projectors via standard TCP/IP networks and is ideal for sites with multiple installed projectors distributed across various rooms, floors or building – sites such as corporate business parks, government facilities and universities. Provides seamless integration with ProjectionLink and RS-232-based local controllers from companies like AMX and Crestron.

◆ Designed as a Microsoft Management Console (MMC) snap-in, ProjectorNet integrates unique projector control and administration features, to offer unparalleled end-user support from a central location. Moreover, it can support Proxima projectors without networking capability with an optional network adapter.

◆ ProjectorNet is supported via the projector's integrated networking controls or an external adapter connected to the projector's RS-232 port. XML-based software works by converting serial commands to TCP/IP packets for transmission across any local area network (LAN). Once installed on a network, the software can be scaled to meet the needs of any size organization, by adding additional licenses ("seats") for each projector. Totally scalable, a single server installation supports 1 to 150 projectors.

◆ With tools such as email notification of low lamp life and automatic power-down scheduling, ProjectorNet is designed to head off maintenance issues before they occur. By pro-actively managing projector maintenance, organizations increase meeting effectiveness by reducing the risk of projector failure.

◆ Protect your organization's technology investment by monitoring projector status 24 hours a day, 7 days a week. With ProjectorNet, the instant a projector is disconnected from the network or unplugged, notification is sent via e-mail alerting the help desk, facilities or security personnel. ProjectorNet reduces the total cost of ownership by connecting new and previously installed projectors to your existing LAN or other internal network, so they can be more efficiently supported by IT or facilities personnel. By leveraging the network to remotely trouble-shoot and correct user problems, companies, government agencies and universities can trim administrative and support costs.

INFOCUS

SPECIFICATIONS

	LP120	LP70+	X2	X3	LP600	LP640
Native Resolution	XGA (1024 x 768)	XGA (1024 x 768)	SVGA (800 x 600)	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)
Display Technology	DLP: 0.7" XGA DDR	DLP: 0.7" XGA DMD DDR	DLP: 0.55" SVGA DDR DMD	DLP: 0.55" XGA DMD DDR	DLP: 0.7" DDR DDP2000	LCD 0.79" Poly-silicon Active Matrix TFT x3
Input Sources	Computer (M1-DA), video (S-Video; RCA via adpt.), audio (3.5mm mini jack)	Computer (M1-DA), video (S-Video and RCA), audio (3.5mm mini jack)	Computer (M1-DA), video (S-Video and RCA), audio, (RCA, 3.5mm mini)	Computer (M1-DA), video (S-Video and RCA), audio, (RCA, 3.5mm mini)	RGB (15-pin D-sub), video (S-Video (S-Video and RCA), audio (mini & RCA)	RGB (15-pin D-sub), video (S-Video (S-Video and RCA), audio (mini & RCA)
Output Terminals	No	No	Monitor (VGA, DVI), audio (3.5mm mini)	RGB (15-pin D-sub), audio (3.5mm mini)	Monitor loop through, audio (3.5mm mini)	Monitor loop through, audio (3.5mm mini)
Computer Compatibility	VGA through SXGA	VGA through SXGA	SXGA, SVGA, VGA, UXGA	SXGA, SVGA VGA, UXGA	VGA, through UXGA	VGA, through UXGA, Macintosh, Ethernet
Video Compatibility	Full NTSC, SECAM, PAL, 480p, 576p, 720p, 1080i	Full NTSC, SECAM, PAL, 480p, 576p, 720p, 1080i	Full NTSC, SECAM, PAL, 480p, 576p, 720p, 1080i	NTSC, PAL, SECAM, HDTV (1080i, 1080p, 720p, 480p)	NTSC, PAL, SECAM, SDTV, HDTV (750p, 1080p, 1125i, 1035i)	NTSC, PAL, SECAM, SDTV, HDTV (750p 1080p, 1125i, 1035i)
Max ANSI Lumens	1000 ANSI lumens	1400 ANSI lumens	1600 ANSI lumens	1600 ANSI lumens	2000 ANSI lumens	2200 ANSI lumens
Contrast Ratio	2000:1 Full On/Off	1100:1 Full On/Off	2000:1 Full On/Off	2000:1 Full On/Off	1000:1 Full On/Off	400:1
Projection Lens *(std.)*	1.16:1 Zoom with manual focus & zoom	1.25:1 Zoom with manual focus & zoom	1.2:1 Zoom with manual focus & zoom	1.2:1 Zoom with manual focus & zoom	1.2:1 Zoom with manual focus & zoom	1.2:1 Zoom with manual focus & zoom
Throw Ratio	1.8:1 - 2.1:1	1.85:1 - 2.35:1	1.89 – 2.27:1	1.89:1 – 2.27:1	1.52:1 – 1.86:1	1.6:1 – 1.9:1
Projection Distance	4.9' to 16'	5' to 32.3'	5' to 32.3'	6.4' to 32.8'	5' to 32.8'	5' to 32.8'
Image Size *(Diagonal)*	2.9' to 11.5'	2.7' to 22.2'	2.7' to 21.6'	2.7' to 21.6'	3.3' to 25'	3.33' to 25'
Lamp *(Bulb)*	120W UHP	120W UHP	200W SHP	200W SHP	200W SHP	170W UHP
Bulb Life Expectancy	2,000 hours	3,000 hours	3,000 hours	4,000 hours	2,000 hours	2,000 hours
Aspect Ratio	4:3 (standard); 5:4	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible
Screen Projection	Front and Rear	Front and Rear	Front and Rear	Front and Rear	Front and Rear	Front and Rear
Ceiling Mountable	No	No	Yes	Yes	Yes	Yes
Keystone Correction	±7.5° vertical	±15° vertical	±20° vertical	±10° vertical	±15° vertical	±15° vertical
Built-in Speaker *(audio)*	1 Watt Mono	1 Watt Mono	2.5 Watt Mono	2.5 Watt Mono	3 Watt Mono	2 Watt Stereo
Dimensions *(HLW)*	2.05 x 3.69 x 9.75"	2.5 x 6.1 x 7.8"	4.2 x 12.9 x 9.8"	4.2 x 12.9 x 9.8"	3.4 x 9.8 x 12"	4.1 x 10.3 x 11.6"
Weight	1.98 lbs.	2.4 lbs.	6.8 lbs.	6.8 lbs.	5.2 lbs.	7.5 lbs.

Projector Accessories

Replacement Lamps

For the LP120 *(INLDP1200X)* **364.95**

For the LP70+ *(INLLP70)* **418.95**

For the X2 and X3 *(INLX2)* **294.50**

For the LP600 *(INLLP600)* **498.95**

For the LP640 *(INLLP540)* **319.50**

ATA Shipping Cases

For the LP120 or LP-70+ *(INATASCM)* **382.50**

For the X2, X3, LP600/640 *(INATASCMR)* **412.50**

Mobile Transport Cases

For the LP120, LP70+, LP640, X2 *(INBC1)* **48.95**

For the LP600, LP640, X2, X3 *(INBC2)* **49.95**

Cable Management Cases

For the LP120 or LP70+ *(INSC1)* **28.95**

For the LP600, LP640, X2, X3 *(INSC2)* **29.95**

Rolling Traveler Cases

For the LP120, LP70+ *(INTCM)* **73.95**

For the LP600, LP640, X2, X3 *(INTCMR)* **79.95**

LP840 • LP850 • LP860

High-Performance Installation Projectors

Illuminate large training rooms, conference centers, classrooms, and houses of worship with stellar brightness and image quality. Four optional user-replaceable bayonet lenses can be changed without hassle in just three easy steps. Get 750:1 contrast ratio, native XGA resolution at 3500 lumens (LP840) or 4500 lumens (LP850), or precise SXGA+ resolution for images that are powerful and captivating.

Experience seamless compatibility with connectivity that supports three separate PC and three separate video sources. Control your projector via RS-232 or TCP/IP interfaces. Connect analog and digital sources with support for HDTV and computer sources up to UXGA resolution. BNC connectors make for secure, professional installations.

The LP840, LP850 an dLP860 are solutions-enabled—offering seamless integration with network and wireless applications so you can upgrade with ease. Add them to your network right out of the box with ProjectorNet and manage all your projector assets from a single PC. These projectors are also compatible with the LiteShow wireless solution, for cable-free digital projection solution.

FEATURES

◆ Native XGA and SXGA resolution, 750:1 contrast ratio, brightness up to 4500 lumens combine to deliver images that are captivating and compelling.

◆ User-replaceable bayonet lenses – change lenses without tools; simply push and twist

◆ Flexible features include power zoom, focus, and vertical/horizontal lens shift

◆ They offers seamless integration with network and wireless applications so you can upgrade to networking, presentation management, and wireless solutions with ease. Add them to your network right out of the box with ProjectorNet and manage all your projector assets from a single PC.

◆ ProjectAbility function eliminates the typical projector learning curve with easy to use features like color-coded cables and a simplified keypad. Connect with ease!

◆ ProjectorManager compatible – turns any PC into an advanced projector remote control

◆ Experience seamless compatibility with connectivity that supports three separate PC and three separate video sources. Control the projectors via RS-232 or TCP/IP interfaces. Connect analog and digital sources with support for HDTV and computer sources up to UXGA resolution. BNC connectors make for secure, professional installations.

◆ The projectors can be attached to external speakers that have their own power source by plugging a speaker cable into the projector's Audio Out connector.

Perfect projection — four optional user-replaceable bayonet lenses offering throw ratios from 0.8 to 7.3:1 allow versatility for any venue and can be changed in three easy steps.

User-replaceable bayonet lenses – change lenses without tools; simply push and twist

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LP840 • LP850 • LP860

	LP840	LP850	LP860
Native Resolution	XGA (1024 x 768)	XGA (1024 x 768)	SXGA+ (1400 x 1050)
Display Technology	0.99" Poly-silicon TFT 3 LCDs with Micro Lens	0.99" Poly-silicon TFT 3 LCDs with Micro Lens	0.99" Poly-silicon TFT 3 LCDs with Micro Lens
Input Sources	Computer (M1-DA) Digital / Analog (HD-15), Video (S-Video, Component RCA, RCA) Audio 2x (mini stereo jacks and RCA)	Computer (M1-DA) Digital / Analog (HD-15), Video (S-Video, Component RCA, RCA) Audio 2x (mini stereo jacks and RCA)	Computer (M1-DA) Digital / Analog (HD-15), Video (S-Video, Component RCA, RCA) Audio 2x (mini stereo jacks and RCA)
Output Terminals	Computer/Monitor - HD15 Audio Stereo (3.5mm mini jack)	Computer/Monitor - HD15 Audio Stereo (3.5mm mini jack)	Computer/Monitor - HD15 Audio Stereo (3.5mm mini jack)
Computer Compatibility	VGA, SVGA, XGA, SXGA SXGA, UXGA	VGA, SVGA, XGA, SXGA SXGA, UXGA	SXGA, WXGA, XGA, SVGA, VGA, HDTV, DTV, UXGA
Video Compatibility	NTSC, PAL, SECAM, NTSC4.43, PAL60, HDTV (480i, 480p, 576i, 576p, 720p, 1035i, 1080i)	NTSC, PAL, SECAM, NTSC4.43, PAL60, PAL N & M, HDTV (480i, 480p, 576i, 576p, 720p, 1035i, 1080i)	NTSC, PAL, SECAM, NTSC4.43, PAL60, PAL N & M, HDTV (480i, 480p, 576i, 576p, 720p, 1035i, 1080i)
Max ANSI Lumens	3500 ANSI lumens	4500 ANSI lumens	3500 ANSI lumens
Contrast Ratio	750:1 Full On/Off	750:1 Full On/Off	750:1 Full On/Off
Projection Lens (std.)	1.5:1 Zoom with manual focus & zoom	1.5:1 Zoom with manual focus & zoom	1.5:1 Zoom with manual focus & zoom
Throw Ratio	1.5:1 – 2.2:1	1.5:1 – 2.2:1	1.5:1 – 2.2:1
Projection Distance	3' – 45.5'	3' – 45.5'	3' – 45.5'
Image Size (Diagonal)	30" to 300"	30" to 300"	30" to 300"
Lamp (Bulb)	275W UHB	310W UHB	310W UHB
Bulb Life Expectancy	2000 hours (high)	1500 hours (high)	1500 hours (high)
Aspect Ratio	4:3 (standard); Supports 16:9 and 5:4 video, data	4:3 (standard); Supports 16:9 and 5:4 video, data	4:3 (standard); Supports 16:9 and 5:4 video, data
Screen Projection	Front and Rear	Front and Rear	Front and Rear
Ceiling Mountable	Yes	Yes	Yes
Keystone Correction	±15° vertical correction	±15° vertical correction	±15° vertical correction
Built-in Speaker (audio)	1 Watt Stereo	1 Watt Stereo	1 Watt Stereo
Controls	Wireless Remote, Projector Keypad, RS-232C Control, USB via M1, ProjectorNet	Wireless Remote, Projector Keypad, RS-232C Control, USB via M1, ProjectorNet	Wireless Remote, Projector Keypad, RS-232C Control, USB via M1, ProjectorNet
Dimensions (HLW)	6.3 x 12.2 x 16.5"	6.3 x 12.2 x 16.5"	6.3 x 12.2 x 16.5"
Weight	17 lbs.	17 lbs.	17 lbs.

Projector Accessories

Replacement Lamps
For the LP840 (INLDP8400X) **448.95**
For the LP850 / LP860 (INLDP8500X) **489.95**

ATA Shipping Case
For the LP840/850/860 (INATASII) **474.95**

Optional Lenses for the LP840, LP850 and LP860

Short Throw Fixed Lens (INL022)
0.8:1 throw ratio...**1309.95**

Short Throw Zoom Lens (INL023)
1.1-1.5:1 throw ratio **1498.95**

Long Throw Zoom Lens (INL024)
2.2-4.1:1 throw ratio **1498.95**

Ultra Long Throw Zoom Lens (INL025)
3.9-7.3:1 throw ratio **1748.95**

EP 729

XGA, 2000 Lumens, Micro Portable DLP Projector

Packing an incredible feature-set in a micro portable design, the EP (EZ Pro) 729 is the perfect travel companion for mobile professionals looking for a presentation solution that can go anywhere at anytime. Incorporating Texas Instruments' DDR DLP technology for higher brightness and deeper black levels, the EP 729 weighs just 2.2 lbs., yet it features a brightness of 1600 lumens, and high contrast ratio of 2200:1 for a greater range of color light intensity. It also features 1024 x 768 XGA resolution with SXGA+ resize, HDTV compatibility, advanced electronic keystone correction and adjustable cooling fan speed settings for higher altitudes. It offers an incredible 4,000 hour lamp life, plug-and-play connectivity with auto-image function and an auto-sync function for quick and easy set-up. For added convenience, it includes a unique remote mouse with built-in laser pointer.

◆ Native XGA (1024 x 768) resolution for sharp display. It can also display resized (compressed) SXGA+ (1400 x 1050) signals, making it compatible with high-end notebooks

◆ Bright 1600 lumens for great image quality in a wide range of applications

◆ Superior 2200:1 contrast ratio for cinema quality images and crisp graphics.

◆ 156w P-VIP lamp with 3000-hr. (normal mode) and 4000-hr. (economy mode) lamp life

◆ User password security locking system

◆ NTSC, PAL, SECAM plus HDTV (480i, 480p, 720p, 1080i) compatibility

◆ Auto-sync function for quick and easy setup

◆ Adjustable cooling fan speeds for high altitude usage

◆ On-screen menu is available in 11 languages

◆ Advanced ±16° vertical keystone correction

◆ Real plug and play with auto-image function

◆ 2.2 lbs and letter-size footprint means business travelers have one less bag to carry

◆ Includes full-featured wireless remote mouse with laser pointer, freeze and hide feature. Also includes a soft carrying case.

EP 738 SVGA, 1800 Lumens, Portable DLP Projector

The EP 738 is a versatile, portable, and bright 1800 lumens multimedia projector that is perfect for a wide range of environments from boardrooms to classrooms. Designed with today's demanding business needs in mind, this robust, compact projector will shine brightly when it comes to high quality presentations.

◆ Native SVGA (800 x 600) resolution for sharp display. It can also display resized (compressed) SXGA+ (1400 x 1050) signals, making it compatible with high-end notebooks.

◆ With a brightness of 1800 lumens, you can make presentations in any small to medium sized room.

◆ Superb 2000:1 contrast ratio for cinema quality images and crisp graphics.

◆ NTSC, PAL, SECAM plus HDTV (480i, 480p, 720p, 1080i) compatibility.

◆ Convenient VGA, component, composite, and S-Video input and monitor loop through.

◆ 200-watt P-VIP lamp with 3000-hr. (normal mode), 4000-hr. (economy mode) lamp life.

◆ RS-232 port allows the projector to be controlled by an external device.

◆ Adjustable cooling fan speeds for high altitude usage.

◆ On-screen menu is available in 11 languages.

◆ Built-in 2-watt audio speaker.

◆ Advanced ±16° vertical keystone correction.

◆ Auto color enhancement system for PC, Movie, Games, sRGB, and user memory setting.

◆ Operating noise is 31dB in standard mode and a whisper quiet 26dB in economy mode.

◆ Weighs only 5.3 lbs. making it light enough to travel.

◆ Dual infra-red receivers gives you complete 360° freedom in the room when using the supplied wireless remote control.

EP 719

XGA, 2000 Lumens, Portable DLP Projector

A multimedia digital projector that combines performance and functionality, the EP719 is the complete solution for a wide range of applications from boardrooms to classrooms. In fact, it offers everything a mobile professional will need to project incredibly bright, colorful and engaging presentations.

Weighing only 4.6 pounds, this compact and robust projector features DLP technology, bright 2000 lumens, native 1024 x 768 XGA resolution as well as SXGA+ (1400 x 1050) capability, a HDTV compatibility, and a superb 2500:1 contrast ratio to deliver crisp, vivid pictures and graphics. The EP719 connects to almost any popular device offering DVI-D w/HDCP, component, composite and S-Video inputs.

FEATURES

- Native XGA (1024 x 768) resolution for sharp display. It also displays resized (compressed) SXGA+ (1400 x 1050) signals, making it compatible with high-end notebooks.
- Bright 2000 lumens for great image quality in a wide range of applications
- Superior 2500:1 contrast ratio for cinema quality images and crisp graphics
- NTSC, PAL, SECAM plus HDTV (480i, 480p, 720p, 1080i) compatibility
- Extensive connectivity includes DVI-D w/HDCP for true digital input from HD cable box, DVD player, component or computer; D-sub 15; VGA for monitor loop through; composite and S-Video; and audio minijack
- 200-watt UHP lamp with 2000-hr. (normal mode), 3000-hr. (economy mode) lamp life
- Adjustable cooling fan speeds for high altitude usage
- Built-in 2-watt audio speaker
- Advanced ±15° vertical keystone correction
- Front, rear, ceiling-mount and table-top projection
- Operating noise is 31dB in standard mode and a whisper quiet 26dB in economy mode
- Light enough to travel - weighs only 4.4 lbs.
- Native 4:3 and 16:9 aspect ratio
- Progressive scan circuit makes moving pictures smooth and clear, and 3-2 pulldown compatibility assures superior image quality from film sources.

- Operating noise is a whisper quiet 28dB
- User password security locking system
- Dual infra-red receivers (front and back) gives you complete 360° freedom in the room when using the supplied wireless remote control.

- 11-language on-screen menu
- By using the optional BX-AS108 short throw lens, you can increase image size by 25% from the same distance. (See next page for more details)
- Multi-Auto functions: Auto detection, Auto image and Auto saving the adjustments

EP 739

XGA, 2000 Lumens, Portable DLP Projector

The EP739 is one of Optoma's most sturdy, practical and versatile digital projectors. From classrooms to board-rooms, the EP739 can handle a variety of applications and works well in all kinds of environments. Offering 2500 lumens it can be taken into any type of room needed for a presentation.

- Native XGA (1024 x 768) and maximum SXGA+ (1400 x 1050) resolution to support high-end display needs
- Monitor loop-though, composite video, VGA/component, S-Video and DVI-HDCP inputs.
- DVI-HDCP input for pure digital connection from HD sources such as DVD, HD Satellite and DVHS

- Long lamp life with 3000 hours standard and 5000 in economy mode
- 2000:1 contrast ratio for cinema quality images and crisp graphics
- Bright 2500 lumens for powerful presentations in any environment.
- Adjustable cooling fan speed for settings for high altitudes

EP 758 • EP 759

XGA, 300 and 3500 Lumen Installation DLP Projectors

Installation grade performance at a size you can handle, the compact, robust, and ultra-bright EP 758 (3000 lumens) and EP 759 (3500 lumens) are business projectors that use DDR DLP technology to display detailed graphics and video.

Suitable for a wide range of environments - from auditoriums and churches to classrooms or conference rooms, the EP 759 and EP 758 function just as brilliantly when it comes to high definition film and video as they do with graphic presentations. In addition, to superior 2000:1 contrast ratio, XGA resolution and HDTV compatibility, they feature a revolutionary Tunnel Cooling System and Shield Design to prevent unwanted light emission and enable near silent operation. Through the strategic use of baffles within the cooling tunnel, air speeds are reduced resulting in a whisper quiet projector. The unique adjustable cooling fan speed settings enables operation in higher altitude locations.

FEATURES

◆ Native XGA (1024 x 768) resolution, plus they can display resized (compressed) UXGA (1600 x 1200) signals, making them compatible with high-end workstations.

◆ Amazing brightness of 3000 (EP 758) or 3500 (EP 759) lumens is perfect for use in rooms with bright ambient light or no window coverings.

◆ Superior 2000:1 contrast ratio for cinema quality images and crisp graphics.

◆ NTSC, PAL, SECAM plus HDTV (480i, 480p, 720p, 1080i) compatibility.

◆ 250-watt UHP lamp (EP 758) and 300-watt UHP lamp (EP 759) with 2000-hr. (normal mode), 3000-hr. (economy mode) lamp life.

◆ Revolutionary shield design prevents unwanted light emission and enables near silent operation. Through the strategic use of baffles within the air tunnel, air speeds are reduced resulting in whisper-quiet projectors.

◆ Altitude Pressure Sensor Fan system uses multiple sensors to detect altitude/operation environment for automatic cooling system adjustments.

◆ On the EP 758 operating noise is 30dB in Britemode and a very quiet 26dB in economy mode. On the EP 759 it is 33dB Britemode and 28dB in economy mode.

◆ Extensive connectivity includes DVI-D w/HDCP, VGA, component, composite and S-Video inputs and VGA monitor loop-through output.

◆ Advanced ±15° vertical and horizontal keystone correction.

◆ Equipped with two 3-watt internal stereo speakers with audio in and out minijacks.

◆ RS-232 port allows the projectors to be controlled by an external device; USB port for remote mouse.

◆ The supplied remote control incorporates a mouse function and laser pointer. The full feature remote mouse control includes scroll wheel for easy navigation.

Optional Short Throw Lens for the EP 738/739/758/759

Most home theater and data projectors provide a limited throw distance—the distance a projector can be from the screen to throw or project an image onto the screen. Depending on the throw distance offered by a projector, a short throw lens may be required.

A short throw lens is used to create big images in tight spaces by projecting the largest possible image from a short distance. This is a very convenient feature as it allows the projector to be placed at a close distance from the screen, and the projector itself doesn't become a physical obstacle in the room.

Using the optional BX-AS108 short throw lens, the Optoma EP 738/739/758/759 can cast a 72″ diagonal image from just 8′ away from the screen. Ideal for small home theater room settings, classrooms, smaller meeting/conference rooms and trade show booths.

EP 719/729/738/739/758/759 SPECIFICATIONS

	EP719	EP729	EP738	EP739	EP758	EP759
Native Resolution	XGA (1024 x 768)	XGA (1024 x 768)	SVGA (800 x 600)	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)
Display Technology	0.55" Dark Chip 2 DLP technology	0.7" DLP: XGA DDR	DLP: 0.55" SVGA DDR DMD	0.7" DLP: XGA DDR	0.7" DLP: XGA DDR	0.7" DLP: XGA DDR
Input Sources	DVI-HDCP, D-sub 15, video (S-Video; RCA), USB, audio (3.5mm mini jack)	VGA: D-sub 15, video (S-Video and RCA), USB port (mouse)	VGA: D-sub 15, video (S-Video and RCA), audio, (RCA, 3.5mm mini)	DVI-HDCP, D-sub 15, video (S-Video and RCA), audio, (RCA, 3.5mm mini)	RGB (15-pin D-sub), video (S-Video (S-Video and RCA), audio (mini & RCA)	RGB (15-pin D-sub), video (S-Video (S-Video and RCA), audio (mini & RCA)
Output Terminals	Monitor (VGA), D-sub 15	No	Monitor (VGA), D-sub 15	RGB (15-pin D-sub), audio (3.5mm mini)	Monitor (VGA), D-sub 15	Monitor (VGA), D-sub 15
Computer Compatibility	XGA, SVGA, VGA, VESA, Mac, SXGA+	XGA, SVGA, VGA, VESA, Mac, SXGA+	XGA, SVGA, VGA, VESA, Mac, SXGA+	SXGA, SVGA, VGA, VESA, Mac, SXGA+	XGA, SVGA, VGA, VESA, Mac, SXGA+	XGA, SVGA, VGA, VESA, Mac, SXGA+
Video Compatibility	Full NTSC, SECAM, PAL, 480p, 480i, 720p, 1080i	Full NTSC, SECAM, PAL, 480p, 480i, 720p, 1080i	Full NTSC, SECAM, PAL, 480p, 480i, 720p, 1080i	NTSC, PAL, SECAM, HDTV (1080i, 1080p, 720p, 480p)	NTSC, PAL, SECAM, SDTV, HDTV (720p, 1080i, 576i/p, 480i/p)	NTSC, PAL, SECAM, SDTV, HDTV (720p, 1080i, 576i/p, 480i/p
Max ANSI Lumens	2000 ANSI lumens	1600 ANSI lumens	1800 ANSI lumens	2500 ANSI lumens	3000 ANSI lumens	3500 ANSI lumens
Contrast Ratio	2500:1 Full On/Off	2200:1 Full On/Off	2000:1 Full On/Off	2000:1 Full On/Off	2000:1 Full On/Off	2000:1 Full On/Off
Projection Lens (std.)	1.12:1 Zoom with manual focus & zoom	1.15:1 Zoom with manual focus & zoom	1.2:1 Zoom with manual focus & zoom	1.2:1 Zoom with manual focus & zoom	1.2:1 Zoom with manual focus & zoom	1.2:1 Zoom with manual focus & zoom
Throw Ratio	1.93:1 - 2.13:1	2.0:1 - 2.3:1	2.0 – 2.4:1	2.0:1 – 2.4:1	2.0:1 – 2.4:1	2.0:1 – 2.4:1
Projection Distance	3.9' to 39.3'	3.94' to 32.8'	3.9' to 32.8'	3.9' to 40'	4.9' to 40'	4.9' to 40'
Image Size (Diagonal)	24.6" to 306"	2.7' to 22.2'	24.6" to 246"	24.6" to 300"	29.5" to 300"	29.5" to 300"'
Lamp (Bulb)	200W UHP	156W P-VIP	200W P-VIP	200W SHP	250W UHP	300W UHP
Bulb Life Expectancy	2,000 hours	4,000 hours	2,000 hours	3,000 hours	2,000 hours	2,000 hours
Aspect Ratio	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible
Screen Projection	Front and Rear	Front and Rear	Front and Rear	Front and Rear	Front and Rear	Front and Rear
Keystone Correction	±15° vertical	±16° vertical	±16° vertical	±16° vertical	±15° vertical	±15° vertical
Built-in Speaker (audio)	2 Watt Mono	No	2 Watt Mono	3 Watt Mono	3 Watt Stereo	3 Watt Stereo
Dimensions (HLW)	3.7 x 8.26 x 9"	6 x 2.46 x 6"	6.4 x 9.3 x 10.4"	4.11 x 9.3 x 10.4"	5 x 13.4 x 10.3"	5 x 13.4 x 10.3"
Weight	4.4 lbs.	2.2 lbs.	5.3 lbs.	5.3 lbs.	7.5 lbs.	7.5 lbs.

EP 719, 729, 738, 739, 758, 759 Accessories

Replacement Lamps
For the EP719 (OPLEP719)...............**319.95**
For the EP729 (OPLEP729)...............**399.95**
For the EP738 (OPLEP738)...............**299.95**
For the EP739 (OPLEP739)...............**319.95**
For the EP758 (OPLEP758)...............**399.95**
For the EP759 (OPLEP759)...............**449.95**

Ceiling Mounts without Cable
For the EP758 and 759 (OPBCMEP751).........**154.95**
For the EP719/738/739 (OPBCMEP732)........**154.95**
For the EP738, 739 (OPCMEP738).................**119.95**
For the EP758 and 759 (OPCMEP759)..........**249.95**
Ceiling Mount plate for
the EP738 and EP739 (OPCMP)......................**47.95**

Ceiling Mounts with 5M Cable
For the EP719/738/739 (OPCM5MEP738).....**154.95**
For the EP729 (OPCM5MEP725).......................**154.95**

Carrying Cases
For the EP729 (OPSCEP725), EP738/739 (OPSCEP739)
and EP758/759 (OPSCEP758)............................**59.95**

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H31

HDTV-ready Home Theater Projector

Projecting HD video with astounding depth and clarity, the H31 features Texas Instruments' DarkChip2 DLP technology to bring TV programming, DVDs and streaming video to life, delivering native widescreen projection at 3000:1 contrast. Designed for high performance yet priced for the home, the H31combines a movie theater-like experience with value – without compromising performance.

It features a Pixelworks video scaler, deinterlacer, and advanced HD scaling, which significantly optimizes video processing and frame-by-frame smoothness to unleash every aspect of the video as it was intended to be viewed – with any size from 28 to 304". The H31 is HDTV compatible with 720p, 480p widescreen (854 x 480), 1080i and DVI with HDCP output for maximum clarity.

FEATURES

◆ 850 lumens and 3000:1 contrast ratio give you ideal home theater brightness and superior color reproduction.

◆ 480p (854 x 480) native, SXGA (1280 x 1024) uncompressed resolution

◆ Four-speed, six-segment color wheel ensures superior color reproduction with deeper, richer blacks, detailed nuances, and a full palate of bright colors. The included adjustable color matrix allows viewers to adjust reds, greens and blues independently for a truly customized experience.

◆ Fully HDTV compatible with 480i, 480p, 720p and 1080i in both component and DVI-HDCP input for maximum clarity

◆ Advanced HD Scaling enhancement technology for superior high definition reproduction

◆ Multiple Quick ZOOM presets (1.85:1, 1.66:1, 2.35:1, 4:3 to 16:9 aspect ratio

◆ DIgital lens shift with 2 positional memories

◆ Automatically preset reloading whenever input signal resolution changes

◆ Video processing includes Pixelworks video scaler and deinterlacer for excellent film reproduction and smooth on screen images.

◆ Advanced functions give the viewer the ability to tune the image to match the screen. They can address issues such as artifacts appearing on one or several of the edges of the image or the need to remove the bars that appear above and/or below or at the sides of the projected image.

◆ There are three factory presets optimized for various types of pictures: cinema, normal and vivid. You can customize contrast, brightness, intensity, color, tint, sharpness, and gamma for each preset mode.

◆ 5 separate user adjustable memory settings: Each of these settings can be calibrated for each input, meaning that you could choose to setup different settings for day and night viewing in addition to a special setup for daytime sporting events that require the maximum brightness and color saturation at the expense of contrast. You could also set up a fourth mode for black and white movies, with a color temperature close to 5500K for a more realistic presentation.

◆ Inputs include DVI-I with HDCP, component composite, S-Video and RS-232. An RS-232 breakout cable is provided and there are both front and rear IR receivers, allowing for flexible mounting options.

◆ Digital keystone correction compensates for keystone (trapezoidal) picture distortion up to ±16° vertically

◆ Adjustable color matrix allows viewers to adjust reds, greens and blues independently for a truly customized experience.

◆ Picture Menu allows adjustment of contrast (white level), brightness (black level), color, tint, sharpness and gamma.

◆ Economy mode extends lamp life to 3,000 hours while lowering the noise level to only 30 dB.

◆ Includes elegant and ergonomic backlit remote control

◆ Backed by a two-year warranty and a Zero Dead Pixel policy.

◆ Throw ratio: 1.65:1 to 2.0:1 (Distance/Width)

◆ Image size: 28 to 304" (diagonal)

◆ Projection distance: 3.9 to 39.4'

◆ Compatibility: SVGA, VGA, SXGA compression, VESA, Macintosh, NTSC/PAL/SECAM

◆ Projection lens: F/2.4 to 2.7, f =19.7 - 23.6mm Manual focus and zoom

H78DC3 • H79

HDTV Home Theater Projectors

Next-generation, high-performance digital projectors for true home theater enthusiasts, the H78DC3 (800 lumens) and H79 (1000 lumens) surpass the quality of some of the best analog projectors at a fraction of the price, providing the most vivid, clear, and immersive digital video experience possible.

Featuring DarkChip3 and DLP by Texas Instruments, they deliver outstanding high contrast ratio of 4000:1 (H78DC3) and 4500:1 (H79) and native 720p resolution.

They offer proprietary 5x, 8-segment DVE (Dark Video Enhancement) color wheel technology with additional dark segments for virtually no dithering and even deeper level of black. Other features include a 100%-offset vertical lens shift that enables easy installation without compromising image quality, and easy-to-use Universal Touch Screen Remote that can manage up to 8 devices, including projectors, TVs, VCRs, DVDs, CDs, tuners and AV receivers.

FEATURES

- ◆ HDTV native for viewing widescreen TV signals
- ◆ 5x, 8-segment DVE color wheel technology with additional dark segments
- ◆ Expanded connectivity includes DVI-I, BNC, component and S-Video hookups
- ◆ Dual +12v trigger relay, RS-232 controls
- ◆ Remote control's ability to assign macros of up to 60 commands, including time delays between two commands, and other advanced features give installation professionals or an advanced user the ability to program one-button easy access to a host of different viewing scenarios.
- ◆ Advanced adjustability is offered through on-screen display menus
- ◆ TI's latest technology achieves both higher brightness and deeper black levels by "filling in" the area where the digital micro mirror connects to its hinge – the so-called "dimple". In addition, the gap between the mirrors is further reduced and the backing to the mirrors is more light absorbent.
- ◆ Advanced Shield Design casing incorporates innovative use of baffles, preventing unwanted light emissions while enabling near silent operation at only 23dB (H79) or 25 dB (H78DC3).

	H31	H78DC3	H79
Display Type:	0.54" DarkChip2 DLP technology from TI	0.79" DarkChip3 DLP technology from TI	0.79" DarkChip3 DLP Technology from TI
Resolution:	854 x 480 480p (native)	1280 x 720 (native)	1280 x 720 (native)
Brightness:	850 Lumens (typical)	800 lumens	1000 lumens
Contrast Ratio:	3000:1 (Full On/Full Off)	4000:1	4500:1
Lamp Type and Life:	200-watt P-VIP lamp 2,000 (BriteMode) 3,000 hours (STD)	250W UHP	250W UHP 3,000 hours
Throw Ratio: (Distance/Width)	1.65:1 – 2.0:1	1.6:1 - 2.16:1	1.6:1 - 2.16:1
Multiple ZOOM Presets Aspect Ratio:	1.85:1, 1.66:1, 2.35:1, 4:3, 16:9		
Image Size (diagonal):	28 to 304″	20.9 to 338.8″	20.9 to 338.8″
Projection Distance:	3.9 to 39.4'	3.28 to 39.37'	3.28 to 39.37'
Compatibility:	SVGA, VGA, SXGA compression VESA, Macintosh, Full NTSC/PAL/SECAM	VGA, SVGA, XGA, WXGA, UXGA compression Full NTSC/PAL/SECAM, VESA, Mac, PC	VGA, SVGA, XGA, WXGA, UXGA compression Full NTSC/PAL/SECAM, VESA, Mac, PC
HDTV:	720p, 1080i, SDTV (480i), EDTV (480p), 576i/p	True HDTV (720p, 1080i) and 480/p, 576i/p	True HDTV (720p, 1080i) and 480/p, 576i/p
I/O Connectors:	DVI-I with HDCP, RCA Component (YPbPr), S-Video, composite video (RCA), RS-232, IR receivers	DVI-I/HDCP, BNC, Component, RCA-type jack, S-Video, dual IR receivers Dual +12V relay, RS-232	DVI-I/HDCP, BNC, YcbCr/YpbPr, RCA-type jack, S-Video, dual IR receivers Dual +12V relay, RS-232
Dimensions (W H D):	10.7″ x 3.4″ x 8.3″	16.9″ x 5.3″ x 12″	16.9″ x 5.3″ x 12″
Weight	5 lbs.	16.5 lbs.	16.5 lbs.

Optoma backs up the extraordinary performance of the H78DC3 and H79 with a two-year warranty and a Zero Dead Pixel policy.

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B&H
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PANOVIEW

4:3 Digital Projection Screens

The Panoview manual wall and ceiling pull down screens are ideal for meeting rooms, classrooms and home environments. The stylish case design allows flush mounting to the ceiling or wall. An easy, pull-down level lock system locks at intervals to fit a variety of projection formats.

◆ Wall or ceiling mount, this pull down screen is small enough to fit into any installation. The stylish strong and elegant octagonal steel case housing makes for a elegant appearance when the screen is not in use.

◆ The wide 100° viewing angle allows wider seating configuration.

◆ Panoview matte white screens have a screen gain of 1.0

◆ The Panoview matte white screen is an extremely versatile screen surface for front projection when ambient light is controllable. It provides perfect uniformity while giving precise definition and reproduction of color or black and white. Screen surface is washable with mild soap and water, flame retardant and mildew resistant.

Model	Diagonal	Viewing Area	Case Length	Ship. Weight	Carton Dimension	B&H #	Price
DS-3072PM	72"	57.4 x 43.3"	64.2"	14.3 lbs.	66.9 x 5.3 x 4.5"	(OPDS3072PM)	**89.95**
DS-3084PM	84"	50.4 x 67.2"	74"	16 lbs.	79 x 5.3 x 4.5"	(OPDS3084PM)	**99.95**
DS-3100PM	100"	60 x 80"	88"	21 lbs.	89.3 x 5.3 x 4.5"	(OPDS3100PM)	**114.95**
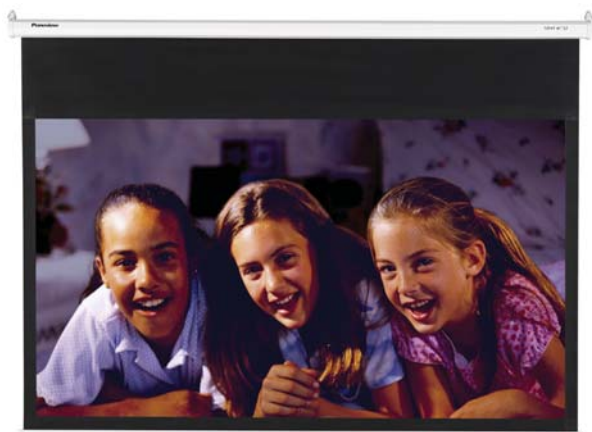
GrayWolf 16:9 Digital Projection Screens

The Panoview GrayWolf manual wall and ceiling pull down screens are ideal for home theater viewing environments. GrayWolf is an innovative high-contrast, gray-base, glass-beaded screen designed to deliver impressive 1.8 gain. The stylish housing allows flush mounting to the ceiling or wall. An easy, pull-down level locking system fits a variety of projection formats.

◆ GrayWolf high contrast gray screens have a screen gain of 1.8 for enhanced image viewing excellence

◆ GrayWolf's gray-base formula with pearl glass beaded are designed to enhance black levels, shadow details and contrast for screens moderate output DLP, LCD, D-ILA, and LCOS projectors.

◆ Extra large black boarder for true 16:9 cinematic experience.

◆ The wide 100° viewing angle allows wider seating configuration.

◆ Wall or ceiling mounted GrayWolf screens fit easily into any installation.

◆ The stylish strong and elegant octagonal steel case housing makes for an elegant appearance when the screen is not in use.

Model	Diagonal	Viewing Area	Case Length	Ship. Weight	Carton Dimension	B&H #	Price
DS-9092PM	92"	45.1 x 80.2"	88"	20 lbs.	89.3 x 5.3 x 4.5"	(OPDS9092PM)	**149.95**
DS-9106PM	106"	52 x 92"	99"	24 lbs.	101.7 x 5.3 x 4.5"	(OPDS9106PM)	**189.95**

PT-P1SD

Digital SD Slide Projector

The world's smallest, lightest LCD projector with a built-in SD memory card slot, the PT-P1SD offers a new way to enjoy pictures taken with a digital still camera that uses SD memory cards. Simply slip an SD card into the slot, and the PT-P1SD projects clear, bright, beautiful images onto a huge screen. Exceptionally small, lightweight and easy to use, The PT-P1SD's ability to project images directly from an SD card takes all the trouble out of operation. Simply aim the PT-P1SD at the screen and plug it in. The images on the SD card are displayed as a list of thumbnails; just select the image you want to view. The PT-P1SD also features built-in slide show functions for viewing your digital photos. Select any of several transition effects between slides, including wipe, fade, split, blind, checker, slide in, and random. With photos taken in DPOF form, you can set the PT-P1SD to run a slide show of favorite images or to provide automatic photo rotation.

The PT-P1SD makes it easy to give a PowerPoint presentation without a PC. Just use Panasonic's Image Creator software to convert a Microsoft PowerPoint file into JPEG files and save them onto an SD card. The PT-P1SD and SD card are all you need for the presentation; you can leave your PC back at the office. For additional convenience, in Auto Slide Show mode the PT-P1SD begins a presentation or slide show automatically when an SD card is slipped into the card slot.

FEATURES

Ultra-Small and Light

◆ Ultra-portable, ultra-versatile projector that's perfect for displaying business presentations on the road and in the office. Just as adept for in-home viewing.

◆ The PT-P1SDU is incredibly small and light weighing a mere 2.9 pounds, yet delivers 1,500 ANSI lumens of brightness and an array of time-saving display features.

Digital Photo Slideshows

◆ Built-in SD card slot for the big-screen display of digital still images (or moving video shot with a digital camera). Slip an SD card into the projector's card slot, and the PT-P1SDU automatically turns on and is ready to display images.

◆ All the photos in a folder can be viewed automatically as a slide show, and several different transitions between slides are available, including Wipe, Fade Split, Blind, Checker, Slide In, Random and Off. Viewers can run a slide show of favorite images in the projector's Direct Print Order Format (DPOF), and automatic photo rotation is also standard.

PC-Free Business Presentations

◆ The PT-P1SDU facilitates the delivery of PowerPoint presentations with or without a laptop for exceptional executive mobility. Panasonic's Image Creator software converts PowerPoint files to a JPEG file, so laptops can be left behind. The projector also features a presentation mode that starts a slide show automatically when an SD cart is inserted into the card slot.

◆ The space-saving projector slips easily into a briefcase or travel bag, making it highly portable even when carrying it along with a laptop PC. Thanks to its high-performance optical system and high-efficiency 130 UHM lamp, the PT-P1SDU produces high 400:1 contrast ratio images at native SVGA (800 x 600) resolution while providing advanced resizing technology to support UXGA..

◆ The PT-P1SDU is HDTV compatible and can automatically resize 1080i and 720p images for 16:9 wide-aspect display; 480p, 480i and 576i component video signals and S-Video can also be displayed in either 4:3 or 16:9. The unit provides wide compatibility ranging from NTSC, NTSC 4.43, PAL, PAL-M, PAL-N, PAL-60 and SECAM.

Daylight View Technology

◆ Panasonic's Daylight View technology achieves a superb level of color perception, so users will experience less of a difference between PC display images and projected images. It also provides white balance adjustment settings for both fluorescent and incandescent lamps to match room lighting.

Easy Setup

◆ For ultra-easy setup, there ar a multitude of intuitive plug-and-play functions including:

– One-Touch Auto Setup with real-time Digital Keystone Correction.

– Speed Start function means that an image appears only five seconds after pressing the power button.

– Direct Power Off function lets unplug the projector while the cooling fan keeps operating until the lamp is cooled.

Additional Features

◆ Includes an SD card key and user control lock to prevent theft

◆ Projects on screens from 38" to 300"

◆ Composite and S-video inputs for connecting two DVD/video sources at the same time

PT-LB50 SERIES
Ultra-Compact Micro-Portable Projectors

Consisting of three models, Panasonic's PT-LB50U series of micro-portable LCD projectors feature Daylight View technology to dramatically improve image performance in bright rooms. The PT-LB50 projector family consists of the SVGA 2000-lumens PT-LB50SU; the XGA 2000-lumens PT-LB50U; and the wireless, XGA 2000 lumens PT-LB50NTU.

Ultra-light (4.2 lbs.) they easily move between locations, from a boardroom to a classroom, from a church to a training center.

With Panasonic's exclusive Daylight View 2 technology, the 2000 lumen PT-LB50 Series achieve image performance equal to or exceeding 3000 lumen projectors. This substantial improvement results from the ambient light sensor, which detects changes in a room's light intensity and significantly enhances perceptible colors.

They offer a host of ease of installation and operation functions. Speed Start slashes the time it takes to begin a presentation while One-Touch Auto Setup assures quick and easy setup, with the projectors' handling basic image adjustments. The built-in gravity sensor determines the projectors' angle relative to the floor (up to 30°) and corrects for keystone distortion accordingly. Other features include 3x digital zoom; ceiling mountability; selectable 17-language on-screen menu; blackboard mode; freeze; advanced shutter function for image/sound muting; sRGB compatibility, and Index Window, which allows any image in a presentation (RGB or video input) to be frozen, stored in memory and displayed on the left side of the screen, while display of subsequent images continues on the right.

FEATURES

High Quality

◆ The PT-LB50 series offers an excellent contrast ratio of 400:1 and rich, sharp images in 1024 x 768 native XGA resolution (PT-LB50SU is SVGA), while providing advanced resizing technology to support UXGA.

◆ The top panel of the units are equipped with an ambient light sensor (ALS). The ALS detects changes in the ambient light intensity and optimizes color compensation in four steps according to the environment.

◆ The units are HDTV compatible and can automatically resize 1080i and 720p images for 16:9 wide-aspect display; 480p, 480i and 625i component video signals and S-Video can also be displayed in either 4:3 or 16:9.

◆ Picture mode selection (standard/dynamic/natural)

Daylight View 2 Technology

Many people want to use special colors and designs in their presentations. However, these colors inevitably change when they're projected onto the screen in a fully-lit room, resulting in faded, washed-out images on the screen. So they just use plain, basic colors. As a result, the presentation is visually boring. Panasonic's exclusive Daylight View 2 technology solves this problem. With this innovative technology, the 2000-lumen PT-LB50 series projectors achieve image performance equal to or exceeding 3000-lumen projectors in brightly lit environments.

This substantial improvement results from the projectors' ambient light sensor, which detects changes in a room's light intensity and significantly enhances perceptible colors. Pale colors are divided into six basic color components (red, green, blue, yellow, cyan and magenta) for more precise control. And because Daylight View 2 achieves a superb level of color perception, you'll experience less of a difference between PC display images and projected images. It also provides white balance adjustment settings for both fluorescent and incandescent lamps to match the room lighting.

PT-LB50 SERIES

High Performance

◆ Speed Start slashes the time it takes to get your presentation under way. The image appears within two seconds after you press the power button.

◆ For presentation versatility, they include two RGB inputs, which eliminate the need to juggle and re-connect equipment when giving consecutive presentations from two different computers. The RGB2 terminal can also serve as a loop-through monitoring terminal for the RGB1 input, which is extremely beneficial for educational applications.

◆ They are equipped with a large-diameter, extra-short throw lens that shortens the necessary projection distance and lets you place the projector at the front of the table, making for more comfortable and convenient presentations. Project onto a 100" wide screen from less than 10' away.

◆ Index Window allows any image in a presentation (RGB or video input) to be frozen, stored in memory and displayed on the left side of the screen, while display of subsequent images continues on the right.

◆ Discrete composite and S-Video inputs for connecting two DVD/video sources at the same time

◆ Using Projector AI (artificial intelligence), they instantaneously adjust the brightness of the lamp to optimize on-screen imaging. For darker scenes, it automatically lowers the brightness to produce deeper blacks and make light areas stand out.

Notebook-Size Compact

◆ Highly mobile, they boast a compact, notebook-size body. Each measures only 11¹¹⁄₁₆ x 2⁵⁄₁₆ x 8¼" (WHD), about the size of a sheet of paper, and easily slip into a bag or briefcase. And at only 4.2 lbs., they won't weigh you down—even when you're toting along a notebook PC as well. Convenient size and weight are just two reasons why the they are the logical choice for mobile presentations.

Wireless Data Transfer of Video and Audio

For added flexibility, the PT-LB50NTU is equipped with advanced wireless (wi-fi) technology. This IEEE802.11g wireless unit offers fast 54Mbps data transfer, simultaneously transmitting both video and sound, as well as still pictures. The bundled Wireless Manager Mobile Edition 3 software facilitates a variety of functions including In Motion Streaming, whereby moving-image files can be sent wirelessly, together with audio, from the hard drive of a PC, eliminating the need to connect an external video source. In Live and Multi Live modes, the contents of the PC screen are projected with the same smooth image motion as a wired connection. In these modes, the motion also flows naturally in PowerPoint animations. The Wireless Prompter (secondary display) function allows transmission of content other what's displayed on your PC. For example, you can display text documents on your PC screen while projecting a slide from your PowerPoint presentation. Plus, you can copy Wireless Manager to a memory card and take it with you to presentation sites where the computer doesn't have the software.

In Multi Live mode, the PT-LB50NTU can receive data from up to 16 PCs and display their images simultaneously on four individual Windows, Index Style (four thumbnails with one large image) or Extended Index (16 thumbnails on the entire screen). It is also possible to send images from a single PC to up to eight PT-LB50NTUs.

PT-LB50NTU Only

Conveniences

◆ One-Touch Auto Setup assures quick and easy setup, with the projectors' handling basic image adjustments, from phasing to vertical and horizontal position. The built-in gravity sensor determines the projectors' angle relative to the floor (up to 30°) and corrects for keystone distortion accordingly.

◆ For security, they have a host of anti-theft functions including a security lock, user password protection, control panel lock-out, and text superimposing whereby a user can program a text line (such as your name or the warning of your choice) at the bottom of the projected image.

◆ Direct Power Off lets you disconnect the power cable and move the projector right away. The cooling fan keeps operating until the lamp is cooled.

◆ Choose from standard and low lamp power modes, and project on screens ranging in size from 33" to 300".

◆ Blackboard mode allows you to project images onto an ordinary classroom or conference room blackboard

◆ Selectable 17-language on-screen menu (includes English, French, Spanish, Italian, Korean, Russian, Chinese and Japanese).

Additional Features

◆ Additional features include automatic input signal detector; freeze; advanced shutter function for image/sound muting; temperature and lamp replacement warning indicators; and a card-type remote control.

◆ Have a 3x digital zoom to highlight parts of the picture and sRGB compatibility to ensure uniform, accurate color reproduction with other sRGB-compatible imaging devices.

◆ Options include the ET-PKB50 ceiling mount bracket for permanent installation, and the ET-RM300 full-function wireless mouse remote control with laser pointer.

◆ They include 3-year limited warranty on the projector, 90-day warranty on the user-replaceable lamp and a 24-hour "ZipIt" projector exchange program.

PT-LB60 SERIES

Micro-Portable XGA 3000 Lumens Projectors

Packing a wealth of advanced Panasonic technology, the PT-LB30 series feature high brightness of 3200 lumens, an excellent contrast ratio of 400:1 and rich, sharp images in 1024 x 768 native XGA resolution while providing advanced resizing technology to support UXGA. Ultra-compact and ultra-light, the PT-LB60U (5.5 lbs) and it's wireless counterpart, the PT-LB60NTU (5.7 lbs.) can be effortlessly moved between locations, from a boardroom to a classroom, from a church setting to a training center.

Like the PT-LB50 Series (previous page), they feature Panasonic's exclusive Daylight View 2 technology to achieve a 150% improvement in image performance in bright rooms such as classrooms and conference rooms. Because Daylight View achieves a superb level of color perception, users will experience less of a difference between PC display images and projected images. It also provides white balance adjustment settings for both fluorescent and incandescent lamps to match the room lighting. Otherwise the same, the PT-LB60NTU is equipped with advanced 802.11g technology for fast 54Mbps wireless transmission of both video and sound, as well as still pictures.

Same features as the PT-LB50 Series (previous page)—

◆ Slightly bigger than the PT-LB50 series, the PT-LB60 series boast a compact, notebook-size body, measuring $12^{27}/_{32}$ x 3 x $9^{5}/_{32}$" (WHD), slightly larger than a sheet of paper.

◆ They are HDTV compatible and can automatically resize 1080i and 720p images for 16:9 wide-aspect display; 480p, 480i and 625i component video signals and S-Video can also be displayed in either 4:3 or 16:9.

◆ Speed Start slashes the time it takes to get your presentation under way. The image appears within two seconds after you press the power button.

◆ For presentation versatility, they include two RGB inputs, which eliminate the need to juggle and re-connect equipment when giving consecutive presentations from two different computers. The RGB2 terminal can also serve as a loop-through monitoring terminal for the RGB1 input, which is extremely beneficial for educational applications.

◆ Index Window allows any image in a presentation (RGB or video input) to be frozen, stored in memory and displayed on the left side of the screen, while display of subsequent images continues on the right.

◆ They are equipped with a large-diameter, extra-short throw lens that shortens the necessary projection distance and lets you place the projector at the front of the table, making for more comfortable and convenient presentations. Project onto a 100" wide screen from less than 10' away.

◆ Discrete composite and S-Video inputs for connecting two DVD/video sources at the same time.

◆ Using Projector AI (artificial intelligence), they instantaneously adjust the brightness of the lamp to optimize on-screen imaging. For darker scenes, it automatically lowers the brightness to produce deeper blacks and make light areas stand out.

◆ One-Touch Auto Setup assures quick and easy setup, with the projectors' handling basic image adjustments, from phasing to vertical and horizontal position. The built-in gravity sensor determines the projectors' angle relative to the floor (up to 30°) and corrects for keystone distortion accordingly.

◆ When the presentation is completed, Direct Power Off lets you disconnect the power cable and move the projector right away because the cooling fan keeps operating until the lamp is cooled.

◆ Anti-theft functions including a security lock, user password protection, control panel lock-out, and text superimposing whereby a user can program a text line (such as the company's name, URL or warning of choice) at the bottom of the projected image.

◆ Choose from standard and low lamp power modes, and project on screens ranging in size from 33" to 300".

◆ Blackboard mode allows you to project images onto an ordinary classroom or conference room blackboard

◆ Selectable 17-language on-screen menu

◆ Additional features include automatic input signal detector; freeze; advanced shutter function for image/sound muting; temperature and lamp replacement warning indicators; and a card-type remote control.

◆ There is also a 3x digital zoom to highlight certain parts of the picture and sRGB compatibility to ensure uniform, accurate color reproduction with other sRGB-compatible imaging devices.

◆ They include 3-year limited warranty on the projector, 90-day warranty on the user-replaceable lamp and a 24-hour "ZipIt" projector exchange program.

PANASONIC

PT-LB50/60 SERIES

	PT-LB50NTU	PT-LB50U	PT-LB50SU	PT-LB60U	PT-LB60NTU
Native Resolution	XGA (1024 x 768)	XGA (1024 x 768)	SVGA (800 x 600)	XGA (1024 x 768)	XGA (1024 x 768)
Display Technology	DLP: 0.7" XGA DDR	DLP: 0.7" XGA DMD DDR	DLP: 0.55" SVGA DDR DMD	0.8" Active Matrix LCD x3 with Micro	LCD 0.79" Poly-silicon Active Matrix TFT x3
Input Sources	Computer (M1-DA), video (S-Video; RCA via adpt.), audio (3.5mm mini jack)	Computer (M1-DA), video (S-Video and RCA), audio (3.5mm mini jack)	Computer (M1-DA), video (S-Video and RCA), audio, (RCA, 3.5mm mini)	RGB (15-pin D-sub), video (S-Video (S-Video and RCA), audio (mini & RCA)	RGB (15-pin D-sub), video (S-Video (S-Video and RCA), audio (mini & RCA)
Output Terminals	—	—	—	Monitor loop through, audio (3.5mm mini)	Monitor loop through, audio (3.5mm mini)
Computer Compatibility	VGA through SXGA,	VGA through SXGA	SXGA, SVGA, VGA, UXGA	VGA, through UXGA	VGA, through UXGA, Macintosh, Ethernet
Video Compatibility	Full NTSC, SECAM, PAL, 480p, 576p, 720p, 1080i	Full NTSC, SECAM, PAL, 480p, 576p, 720p, 1080i	Full NTSC, SECAM, PAL, 480p, 576p, 720p, 1080i	NTSC, PAL, SECAM, SDTV, HDTV (750p, 1080p, 1125i, 1035i)	NTSC, PAL, SECAM, SDTV, HDTV (750p 1080p, 1125i, 1035i)
Max ANSI Lumens	2000 ANSI lumens	2000 ANSI lumens	2000 ANSI lumens	3200 ANSI lumens	3200 ANSI lumens
Contrast Ratio	400:1 Full On/Off	400:1 Full On/Off	400:1 Full On/Off	400:1 Full On/Off	400:1 Full On/Off
Projection Lens *(std.)*	1.16:1 Zoom with manual focus & zoom	1.25:1 Zoom with manual focus & zoom	1.2:1 Zoom with manual focus & zoom	1.2:1 Zoom with manual focus & zoom	1.2:1 Zoom with manual focus & zoom
Throw Ratio	1.8:1 - 2.1:1	1.85:1 - 2.35:1	1.89 – 2.27:1	1.52:1 – 1.86:1	1.6:1 – 1.9:1
Projection Distance	4.9' to 16'	5' to 32.3'	5' to 32.3'	3.7' to 35.5'	5' to 32.8'
Image Size *(Diagonal)*	2.9' to 11.5'	2.7' to 22.2'	2.7' to 21.6'	33" to 300"	3.33' to 25'
Lamp *(Bulb)*	120W UHP	120W UHP	200W SHP	200W SHP	170W UHP
Bulb Life Expectancy	2,000 hours	3,000 hours	3,000 hours	2,000 hours	2,000 hours
Aspect Ratio	4:3 (standard); 5:4	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible
Screen Projection	Front and Rear	Front and Rear	Front and Rear	Front and Rear	Front and Rear
Ceiling Mountable	No	No	Yes	Yes	Yes
Keystone Correction	±7.5° vertical	±15° vertical	±20° vertical	±15° vertical	±15° vertical
Built-in Speaker *(audio)*	1 Watt Mono	1 Watt Mono	2.5 Watt Mono	3 Watt Mono	2 Watt Stereo
Controls	Remote Control. Projector Keypad Projector Manager	Remote Control, Projector Keypad Projector Manager	Remote Control, Projector Keypad	Remote Control Projector Keypad, ProjectorNet, RS232	Remote Control Projector Keypad, ProjectorNet, RS232
Power Requirements	100V - 240V	100V - 240V	100V - 240V	100V - 240V	85V - 240V
Power Consumption	150 Watt	155 Watt	350 Watt	300 Watt	260 Watt
Dimensions *(HLW)*	2.05 x 3.69 x 9.75"	2.5 x 6.1 x 7.8"	4.2 x 12.9 x 9.8"	3.4 x 9.8 x 12"	4.1 x 10.3 x 11.6"
Weight	4.2 lbs.	4.2 lbs.	4.2 lbs.	5.5 lbs.	5.5 lbs.

PT-LB50 and PT-LB60 Replacement Lamps

PT-LB50 Series Replacement Lamp *(PAETLAB50)* ....**284.95**   **PT-LB30 Series Replacement Lamp** *(PAETLAB30)* **354.95**

PT-AE900

High Definition Home Theater Projector

Watch HD programming the way it was intended to be seen — ultra-wide, ultra-big and in high resolution. A native high-definition home theater projector, the PT-AE900 is capable of displaying an ultra-sharp, ultra-clear HD picture up to 14.5' wide. Equipped with advanced digital picture-enhancing features, the PT-AE900 transforms your living room, basement or den into a mini theater for viewing everything from movies to sports to your favorite television program in HD.

It combines 1100-lumens with three 16:9 native, 1280 x 720 pixel HD LCD panels to produce a phenomenal picture quality and beautifully saturated colors even in well-lit rooms. Image optimizing features include a color correction system with Cinema Color Management (CCM) technology to ensure super-faithful color reproduction and a Dynamic Iris optical system to achieve an incredible 5500:1 contrast ratio. 2x optical zoom lens allows image size adjustment to accommodate the room layout and screen size. Inputs include HDMI, component, composite and S-Video. Also feature omni-directional digital keystone correction, brightness and gamma level adjustments across seven picture modes; and memory-storage of three sets of picture adjustment settings.

FEATURES

High-Definition LCD Panel

◆ A wide 1280 x 720 pixels high-definition LCD panel generates their sharp images. Three-layer construction realizes 2.76 million pixels, giving a beautifully detailed picture of exceptional fidelity—especially from high definition broadcasts.

◆ Dynamic Sharpness Control circuit adjusts video signal enhancement based on the difference in brightness of adjacent pixels;

◆ 130-watt UHM lamp delivers a superb brightness of 1100 lumens. Enjoy pictures that are not affected by ambient lighting.

◆ Progressive Cinema Scan (3/2 Pulldown) conversion technology automatically detects an input signal from filmed material, and creates an optimum progressive scan processing method to assure faithful reproduction of the original image. HD IP enables them to convert signals recorded at a higher quality than conventional models.

◆ 10-bit digital processing and 10-bit gamma correction accurately reproduces subtle changes in brightness and hue and quadruples the number of displayable colors to over 1 billion and over 1024 grey levels.

Dynamic Iris and High Contrast

◆ Dynamic Iris incorporates AI technology to constantly adjust the light volume and gamma curve in real time, so the picture is always optimal and transitions between scenes are amazingly smooth and natural.

◆ In conjunction with lamp control (automatically adjusts lamp brightness to the optimum level to match the characteristics of the picture in real-time), the Dynamic Iris with scene-tracking capability delivers a breathtaking contrast ratio of 5500:1 so the picture is sharp and clear even in a well-lit room. To achieve this, the Dynamic Iris also uses data obtained from frame-by-frame histogram analysis of brightness, light intensity, iris, and gamma curve— in real time.

◆ Superb brightness is achieved at the same time, broadening the dynamic range. The dynamic gamma is interlocked with the light source, so scene changes are smooth and natural, and contribute to sufficient brightness in dark scenes. An amazing response speed is achieved by interlocking it with the light source rather than the lens.

Cinema Color Management and Smooth Screen Technology

◆ Cinema Color Management (CCM) technology enable free control of colors. Until CCM, it has been difficult to reflect the colorist's intentions, because correcting one color affected certain others. CCM technology controls colors on 4,096 points, so individual color correction can be done without affecting other colors. Color control usually includes control of contrast, but CCM technology goes even further and controls brightness too. CCM is a true breakthrough and moves color correction closer to the process used for motion pictures.

◆ Smooth Screen technology effectively reduces the "screen door effect"—the black lines between pixels that mar the images of conventional LCD home cinema projectors. The high-definition picture of the PT-AE900 is remarkably smooth and film-like, and at the same time amazingly sharp and detailed.

PT-AE900

Vertical & Horizontal Lens Shift

◆ Vertical and horizontal lens shift enables screen position adjustment without moving the projector. A simple joystick-controlled optical system permits easy lens shift enabling you to adjust the screen easily without having to move the actual projector, and without distorting the on-screen image.

◆ Suspended from the ceiling or placed on a shelf or table, there will be no deterioration of image because the lens is physically repositioned. This with lens shift provides total freedom of placement so the PT-AE900 fits perfectly in your home.

2x Optical Zoom Lens

◆ A 2x optical zoom lens offers a wide range of throw distances to provide a generous variety of suitable projector locations. For instance, they can project a 100" picture from a distance of less than 10' or from a distance of more than 19'.

◆ Whether situated on a table in front of viewers, mounted on the ceiling above them or placed on a bookshelf behind them, the projector produces the same dynamic large-screen picture. At any distance from the screen in any type of room, the 2x zoom offers all viewers the same stunning images.

Inputs

◆ Compatible with DVD players, VCRs, PCs, games and other equipment, it has an HDMI input that is compatible with high-definition digital sources. Two component video inputs allow connection to high-end progressive scan DVD players. The PC input can be used to connect game machines or PCs. Also has composite and S-Video inputs.

Conveniences

◆ For convenience, it can be easily moved between rooms or permanently installed in the ceiling using an optional mount.

◆ A screen trigger terminal allows the opening and closing of an electronic screen when the projector is powered on and off.

◆ For full enjoyment a quiet fan cuts distracting noise to a whispering 26 dB. Light leakage is reduced by using twin blades. As the exhaust fan is on its front, the projector only needs a narrow site.

Seven Picture Modes and User Equalizing Function

Using CCM technology you decide how the projectors present your images. With 34,00 picture quality settings to choose from, contrast, brightness and gamma (high, mid and low) levels are widely adjustable across 7 picture modes. Furthermore, up to three sets of adjustments can be stored in memory, enabling you to bring back the exact image setting at any time. Whether you are watching a movie, live music performance or a sports event, the PT-AE900 projects the scene exactly how you want to see it.

Universal "Learning" Remote Control

The typical home theater setup consists of several components, such as a projector, DVD player, TV/tuner, and an amplifier. Combined into a single system, they work their magic. However, each video and audio component has its own remote control. Keeping track of which remote controls which component can be a headache. To solve this problem, the PT-AE900 comes with a learning remote control that can memorize the functions of multiple home cinema components.

This single remote enables you to control up to eight components, both Panasonic and products from other manufacturers. It has five presets: DVD, TV/tuner, VCR, amp, plus the projector. Just input the appropriate codes to identify the manufacturers and models of your components and their settings are selected automatically. You can program settings for an additional 3 components directly into the remote using the learn function. An LCD panel on the remote makes it easy to monitor operations. Now you can control your entire home cinema system with a single remote!

PT-AE900 SPECIFICATIONS	
Native Resolution	RGB: 1280 x 720 pixels (1920 x 1080 pixels with compression)
LCD Panel	0.7" (diagonal) (16:9 aspect ratio) Active Matrix Transparent LCD panel (x 3, R/G/B) Pixels: 921,600 (1280 x 720) x 3, total of 2,764,800 pixels
Lens	Manual zoom (1 - 2.0) / Manual focus; F 1.9 - 3.1, f 21.7 - 43.1mm
Lamp	130 W UHM lamp
Screen Size	40–300" diagonally, 16:9 aspect ratio
Color System	PAL, PAL-M, PAL-N, PAL 60, SECAM, NTSC, NTSC 4.43
Brightness	1100 lumens
Contrast	5,500:1 (full on/full off)
Dimensions (WHD)	$13\frac{3}{16}$ x $3\frac{23}{32}$ x $10\frac{5}{8}$"
Weight	7.9 lbs.
Supplied Accessories	Power cord, Wireless remote control unit Batteries for remote control (UM-3 x 2)

Projector Accessories

130w Replacement Lamp (PAETLAE900) For the PT-AE900U. Up to 2000 hours average life. 30 day warranty **339.95**

Ceiling Mount Bracket (PAETPKE300)...**358.50**

Serial Conversion Adapter (PAETADSER) 8-pin to 9-pin cable adapter **44.95**

90" Screen (ETSRW90CT) 16:9; 6.6 x 5.9' (WH).......................................**CALL**

PT-D3500U

XGA, 3500 Lumens
Single-Chip DLP Projector

The PT-D3500U features a high-precision DLP system and high-power UHM lamp to display visually-stunning, ultra-crisp XGA resolution images at a high-contrast ratio of 1600:1. With a brightness of over 3,500 lumens and a compact design, it is suitable for a broad range of venues, from classrooms and meeting rooms, to showrooms, exhibits and public spaces. User-friendly features include lens shift, center lens design, interchangeable lenses, and all the benefits of an economical DLP engine. Setup is easy with one-touch auto-setup with manual horizontal and motorized vertical lens shift and Digital Keystone Correction. Designed for quiet operation, the PT-D3500U is HDTV-ready, and can automatically synchronize to display 1080i, 720p, 480p and 480i video in the 16:9 wide aspect ratio. Security features to prevent unauthorized use include password protection, operation key lock, Kensington lock and a security chain opening. Fully networkable, a user can operate a PT-3500U remotely, check its status using a web browser on a networked PC, and receive e-mail messages when the unit's operating condition changes or a lamp needs replacing.

FEATURES

High Image Quality

◆ The PT-D3500U features a single-chip DLP system with a 0.7" XGA DMD chip. The performance, reliability and precision of its patented optical engine are further enhanced by the use of a coreless air bearing motor for the color wheel, resulting in a projection system a full class above other single-chip systems.

◆ The high-precision DLP system combines with a high-power UHM lamp and sophisticated optical technology to project super-bright 3,500-lumen images that are easy to see when projected onto a large screen, even in well-lit rooms.

◆ High 1600:1 contrast ratio, combined with outstanding brightness, assures vivid, high-resolution images in virtually any viewing environment. The contrast can be switched between High and Normal as conditions require.

◆ Designed for quiet operation, the PT-D3500U is HDTV-ready, and can automatically synchronize to display 1080i, 720p, 480p and 480/576i video in the 16:9 wide aspect ratio.

Flexible System

◆ A lens-centered, symmetrical design provides flexible system layout, eliminating the need for any special considerations when planning the installation site.

◆ The horizontal/vertical lens shift has a wide adjustment range that assures distortion-free images and adds convenience and versatility. (Horizontal: manual, vertical: powered).

◆ Five optional lenses in addition to the supplied lens enable the projector to perform in many environments. Lenses are attached and detached with one-touch ease.

◆ A mechanical lens shutter minimizes light leakage when the PT-D3500U is on standby or temporarily not in use. This feature is not generally offered in projectors of this class.

◆ The PT-D3500U can be rotated vertically. This means you can install it at any up-and-down angle you wish to accommodate different installation conditions.

◆ Full array of inputs include a DVI-D connector and audio input/output terminals, eliminating the need for other equipment, such as a DVI-RGB converter for system expansion.

High Reliability and Easy Maintenance

◆ The effect of dust has been minimized by completely sealing the optical block, helping to ensure that the projector will continue to deliver crisp, sharp, high-resolution images over an extended service life.

◆ Easily replaceable dust filter is replaced from the front, while the lamp is replaced from the back panel. The dust filter and lamp can be easily replaced even after the PT-D3500U is installed.
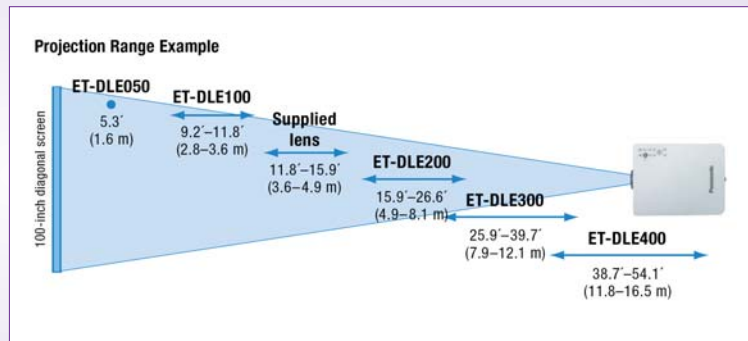
◆ Auto Power Save activates standby mode when no signal is input.

◆ Offers several security features to prevent unauthorized use, including password protection, operation key lock, Kensington lock and a security chain opening.

PT-D3500U

Optional Lenses

Five optional lenses with different throw distances are available in addition to the supplied lens. These lenses enable the projector to perform superbly in an array of environments. With the bayonet-type lens system, the lenses attach and detach with one-touch ease.

1.3 – 1.8:1 Zoom Lens *(PAETDLE100)* **1999.95**

2.5 – 4.0:1 Zoom Lens *(PAETDLE200)*.......................**2099.95**

3.7 – 5.7:1 Zoom Lens *(PAETDLE300)*.......................**2057.50**

5.7 – 8.0:1 Zoom Lens *(PAETDLE400)*.......................**1999.95**

0.8:1 Fixed-Focus Lens *(PAETDLE050)*....................**2349.95**

Projection Range Example

ET-DLE050 ET-DLE100 Supplied lens
5.3' (1.6 m) 9.2'–11.8' (2.8–3.6 m) 11.8'–15.9' (3.6–4.9 m) ET-DLE200
15.9'–26.6' (4.9–8.1 m) ET-DLE300
25.9'–39.7' (7.9–12.1 m) ET-DLE400
38.7'–54.1' (11.8–16.5 m)
100-inch diagonal screen

Additional Features

◆ Direct Power Off function keeps the projector's fan running to cool down the unit even when the power is turned off.

◆ 6 colors-matching function (red, green, blue, cyan, magenta, yellow)

◆ ID assignment for up to 65 units

◆ Coordinated group control for up to 26 groups (A-Z)

◆ Digital vertical ±30° keystone correction

◆ 3x digital zoom

◆ Built-in test pattern

◆ Projects onto a 50" to massive 600" diagonal screen

◆ HDCP (High-Bandwidth Digital Content Protection) compliant.

◆ Compatible with NTSC, NTSC4.43, PAL, PAL-N/M, SECAM, PAL60 video standards

◆ Selectable 9-language on-screen menu (English, German, French, Spanish, Italian, Russian, Japanese, Chinese, Korean)

◆ Includes wired/wireless remote control

Optional Accessories

Replacement Lamp *(PAETLAD35)*............**439.95**

Replacement Long-Life Lamp *(PAETLAD35L)* **464.95**

Ceiling Mount Bracket *(PAETPKD35)* **444.95**

Ceiling Mount Bracket for Low Ceilings *(ETPKD35S)* ....**CALL**

Wireless Mouse Receiver *(ETRMRCE)* ....**CALL**

Built-in Networking

When connected to a wired LAN, a user can operate a PT-3500U remotely, check its status using a web browser on a networked PC, and the projector can send e-mail messages when the unit's operating condition changes or a lamp needs replacing. The wired LAN connection drives down support costs and minimizes downtime, and is highly beneficial in a fixed installation.

◆ The PT-D3500U comes standard-equipped with a LAN connector for 10Base-T/100Base-TX connection. Simply hook it up to your existing LAN network for easy remote control and/or monitoring. System administrators will appreciate this feature when using the PT-D3500U as a fixed-installation projector.

◆ You can operate the PT-D3500U by remote control or monitor its status over a LAN network, because it's easily done using the computer's familiar Web browser.

◆ The PT-D3500U automatically sends an e-mail message to notify the operator when the operating condition changes or a lamp needs to be replaced.

Connection Versatility

For exceptional connection flexibility, the projector offers a full array of input terminals, including a DVI-D connector (HDCP compliant), audio input/output terminals, two computer (RGB) and three video (component, composite and S-Video). In addition, the PT-D3500U has a wired LAN connector, RS-232C and external remote terminals.

PT-D3500U SPECIFICATIONS	
Native Resolution	XGA: 1024 x 768 pixels (1600 x 1200 pixels compatible, with compression)
LCD Panel	0.7" (diagonal), 4:3 aspect ratio, DMD x 1, DLP system (786,432 pixels)
Lens	5.6 - 33.8mm f/1.7-2.1 interchangeable
Lamp	300 W UHM lamp
Color System	NTSC, NTSC 4.43, PAL, PAL-M, PAL-N, PAL 60, SECAM
Brightness	3500 ANSI Lumens
Contrast Ratio	High mode: 1600:1 (Normal mode: 800:1)
Aspect Ratio	4:3 native, 16:9
Dimensions (WHD)	13.07 x 6.61 x 16.73". Weighs 17.4 lbs.

PT-D5500U • PT-D500UL

XGA ,5000 Lumens Installation Projector

The PT-D5500U and PT-D500UL (no lens) pack a host of leading technologies into a compact body with a lens centered symmetrical design. They combine DLP technology, dual lamp system, and liquid cooling to deliver bright, high-quality images and quiet, reliable operation. Panasonic's acclaimed dual lamp system generates 5,000-lumen brightness, so the vivid, high-resolution images made possible by DLP technology are easy to see in any installation environment. In the Dual Lamp system, the lamp relay function in single lamp mode automatically switches the bulb when one of the lamps burns out, allowing continuous, non-stop operation. Panasonic's liquid-cooling system directly cools the DMD chip, giving the PT-D5500U/UL reliable, whisper-quiet operation 24-hours a day, 7-days a week for extended periods
The lens, lamp, and dust filter are easy to replace, making maintenance easy. You can connect the PT-D5500U/UL to a LAN and control or monitor it via a Web browser. A wide range of lenses are available as options to meet all your projecting needs. With its high reliability, low operating costs and long-term durability, the PT-D5500U/UL is a high performance projector that brings DLP technology into reach of even limited budgets.

FEATURES

High Image Quality

◆ A single-chip DLP design, liquid-cooling system and dual-lamp (300w UHM lamps x2) optical system team up to achieve an incredible brightness of 5,000 lumens. This enables bright, large-screen projection even in well-lit conditions.

◆ High 1600:1 contrast ratio and outstanding brightness deliver crisp, high-resolution images in virtually any viewing environment. Contrast can be switched between High and Normal as conditions require.

◆ The PT-D5500U/UL's outstanding brightness and contrast ratio assures high uniformity of brightness and color, resulting in vivid and natural image.

◆ Progressive Cinema Scan (3/2 Pulldown) automatically detects when the input signal is from film and selects the optimum progressive processing method to assure faithful reproduction of the original image.

◆ Dynamic Sharpness Control circuit adjusts the video signal waveforms based on the difference in brightness of adjacent pixels for a sharp, clear picture that is relatively unaffected by signal noise.

High Reliability and Easy Maintenance

◆ Liquid-cooling system directly cools the DMD chip, which extends their performance and attains a high level of reliability.

◆ By completely sealing the optical block, the effect of dust is minimized, which helps to ensure that this DLP projector will continue to deliver crisp, sharp, high-resolution images over an extended service life.

◆ The use of two lamp systems increases brightness and eliminates the need to interrupt a presentation if a lamp burns out (in dual lamp operation mode). In single lamp operation mode, the lamp relay function greatly extends continuous operating time.

◆ An optional long-life lamp (up to 4,000 hours) will cut operating costs. In single lamp mode, the lamp relay function allows non-stop operation 24 hours a day for up to 47 weeks without replacing the lamp.

◆ Dust filter is replaced from the side and lamps are replaced from the back panel. Both of them are replaced very easily even if PT-D5500U/UL is installed.

Flexible System Applications

◆ The lens-centered, symmetrical design provides flexible system layout, eliminating the need for any special considerations when planning the installation site.

◆ The horizontal/vertical lens shift has a wide adjustment range that assures distortion-free images and adds convenience and versatility. (Horizontal: manual, Vertical: powered).

◆ Five optional powered zoom/focus lenses with different throw distances are available in addition to the supplied lens. They enable superb performance in an array of projection environments. Using the bayonet system, lenses attach/detach with one-touch ease.

◆ The PT-D5500U/UL has an array of terminals-two RGB inputs including a 5-BNC connector, RS-232 serial in/out, S-video input, two remote input, one remote output, DVI-D and control capability to support a broad range of projection needs.

◆ The rear control panel allows easy operation when the PT-D5500U/UL is set on a desk or floor. A multi-function wireless remote with mouse control is also included. (Optional ET-RMRC2 wireless mouse receiver required).

PANASONIC

PT-D5500U • PT-D500UL

Built-in Networking

◆ The PT-D5500U/UL comes standard with an ethernet port for 10Base-T/100Base-TX connection. Hook it up to your existing LAN network for easy remote control and/or monitoring. System administrators will appreciate this feature when using the PT-D5500U/UL in fixed-installation.

◆ Anybody can operate the PT-D5500U/UL by remote control or monitor its status over a LAN network, because it is all done using the computer's familiar Web browser.

◆ The PT-D5500U/UL automatically sends an E-mail to the operator when an error has occurred, or a lamp needs to be replaced.

Additional Features

◆ Unique silent design ensures that the audience isn't disturbed by projector noise.

◆ Built-in capacitor provides power to cool the internal parts. This means you can switch off the room's main power as soon as the presentation ends. It doesn't make you wait around and helps minimize lamp damage.

◆ Anti-theft features include an operation key lock function that disables the control buttons on the main unit, and password protection. It also features a Kensington lock and an additional security chain opening.

◆ The top panel can be customized by adding a company logo or changing the color.

◆ The PT-5500U/UL can be rotated vertically. This means you can install it at any up-and-down angle you wish to accommodate different installation conditions.

◆ 6 colors-matching function (red, green, blue, cyan, magenta, yellow).

◆ ID assignment for up to 65 units.

◆ Coordinated group control for up to 26 groups (A-Z)..

◆ ±30° digital vertical keystone correction (with the supplied lens).

◆ 3x digital zoom

◆ Built-in test pattern

◆ Projects onto a 50"-600" diagonal screen.

◆ Compatible with NTSC, NTSC4.43, PAL, PAL-N/M, SECAM, PAL60 video standards.

◆ Selectable 9-language on-screen menu (English, German, French, Spanish, Italian, Russian,Japanese, Chinese, Korean).

The high-performance PT-D5500U/UL is ideal in applications from conference rooms and classrooms to control rooms and public facilities that operate on a non-stop 24/7 basis. Sleek, compact styling makes it a good match with virtually any decor. And the PT-D5500U/UL can be mounted at any angle with the lens pointing upward, downward, or anywhere in between for easy installation. Add optional lenses, and the versatile PT-D5500U/UL is a solution for any application calling for high-quality projection.
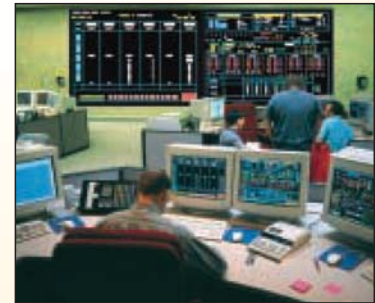
PT-D5500U/L SPECIFICATIONS	
Native Resolution	XGA: 1024 x 768 pixels
LCD Panel	0.7" (diagonal), 4:3 aspect ratio, DMD x 1, DLP system (786,432 pixels)
Lens	**PT-D5500U:** F 1.7-2.0, f 25.6-33.8mm 1:1.8 - 1:2.5 **PT-D5500UL:** Optional
Lamp	300 W UHMTM lamp x 2 (BrightOptic Dual Lamp System)
Brightness	Normal Lamp: 5,000 lumens (dual lamp); Long-Life Lamp: 2,500 lumens (dual lamp)
Video Signal	NTSC, PAL, SECAM, M-NTSC, PAL60, PAL-M, PAL-N
Contrast Ratio	1600:1
Aspect Ratio	4:3 standard
Dimensions (WHD)	20.9 x 6.6 x 16.7". Weighs 30.2 lbs. (with lens)

Projector Accessories

Replacement Lamp (PAETLAD55) **474.95**

Replacement Lamp Twin Pack (PAETLAD55W) **749.95**

Replacement Long-Life Lamp (PAETLAD55L) **524.95**

Replacement Long-Life Lamp Twin Pack (PAETLAD55LW) **874.95**

1.3 – 1.8:1 Zoom Lens (PAETDLE100) ...**1999.95**

2.5 – 4.0:1 Zoom Lens (PAETDLE200)..**2099.95**

3.7 – 5.7:1 Zoom Lens (PAETDLE300)..**2057.50**

5.7 – 8.0:1 Zoom Lens (PAETDLE400)..**1999.95**

0.8 Fixed-Focus Lens (PAETDLE050)....**2349.95**

Ceiling Mount Bracket (PAETPKD55) **534.95**

Ceiling Mount Bracket for Low Ceilings (PAETPKD55S).................**534.95**

Wireless Mouse Control Receiver (PAETRMRC2) **109.95**

PT-DW5000 • PT-DW5000L

XGA 4500 Lumens Widescreen Projector

The PT-DW5000 and its selectable lens (without lens) version PT-DW5000L are widescreen one-chip mid-to-large venue DLP projectors ideal for projection interstitial materials including movie trailers and commercials. With a high brightness of 4500 lumens and a WXGA (1280 x 768) resolution, these compact projectors are ideal for mid-to-large size venues including classrooms, conference rooms, control rooms and churches, as well as the confines of the movie theater booth. The benefits of long-life DLP, a Texas Instruments' technology, make these projectors ideal for demanding non-stop 24/7 applications.

FEATURES

◆ The PT-DW5000 and PT-DW5000L are equipped with Texas Instruments' new high-contrast, one-chip DLP subsystem and Panasonic's completely-sealed, dust-proof, liquid-cooled optics. Panasonic-exclusive optical technologies deliver an impressive contrast ratio of over 1600:1 and high uniformity in color and brightness.

◆ Panasonic's liquid-cooling system directly cools the DMD chip, providing the reliability needed for 24/7 operation. The cooling system also reduces the number of fans needed, so operating noise is greatly reduced.

◆ New 3D-Color Management System improves brightness of previous models by 15%, resulting in sharper, cleaner color reproduction.

◆ Setup of the PT-DW5000 and DW5000L is easy with one-touch auto-setup, motorized vertical and manual horizontal lens shift and Digital Keystone Correction.

◆ The unit's lens-centered design provides flexibility in system design, which eliminates the need for any special considerations when planning their installations.

◆ The PT-DW5000 and PT-DW5000L are equipped with high-speed digital signal processing with 16-bit color depth for wider dynamic range and more film-like images, dynamic sharpness control, and progressive cinema scan (3/2 pull down) capabilities that combine to produce rich, detailed blacks and to masterfully reproduce 24 frames-per-second film-based video.

◆ Panasonic's BriteOptic multi-lamp system delivers the reliability and power of two, high-intensity 300W UHM lamps through a high-precision prism. The lamp auto-changer alternates lamp operation to permit extended 24/7 use, and allows operation to continue without interruption even if one lamp burns out.

◆ For exceptional connection flexibility, they offer a full array of inputs, including DVI, two computer (RGB) and 3 video (component, composite and S-Video). In addition, the PT-DW5000s have a wired LAN connector, RS-232C and external remote terminals.

◆ Direct Power Off function utilizes a built-in capacitor to keep the projectors' fan running to cool down the unit even when the power is turned off.

◆ They offer a host of security features to prevent unauthorized use, including password protection, operation key lock function, Kensington lock and security chain opening.

◆ The PT-DW5000 series uses a bayonet-type lens system, so lenses can be attached and detached with one-touch ease.

◆ When connected to a wired LAN, a user can operate a PT-DW5000 or PT-DW5000L remotely, check their status using a web browser on a networked PC. The projectors can send e-mail messages to notify a user when the units' operating condition changes or a lamp needs replacing. The wired LAN connection drives down support costs and minimizes downtime.

◆ Designed for quiet operation as low as 29dB (low power mode), the units are HDTV-ready, and can automatically synchronize to display 1080i, 720p, 480p and 480/576i video in 16:9 wide aspect ratio.

◆ They can project on screens from 50" to 600", and are less than 7" high and weigh only 32 lbs. The top panel is removable, which makes it easy to change color or add a logo or graphic. Other features include: multiple terminals including DVI-D (HDCP compliant); nine-language on-screen menu; easy lens and dust filter replacement.

Optional Accessories

Replacement Lamp *(PAETLAD55)* **474.95**

Set of 2
Replacement Lamps *(PAETLAD55W)* **749.95**

Replacement
Long-Life Lamp *(PAETLAD55L)* **524.95**

Set of 2 Replacement
Long-Life Lamps *(PAETLAD55LW)* **874.95**

Ceiling Mount Bracket: For high *(PAETPKD55)* or low *(PAETPKD55S)* ceilings..........................**534.95**

Zoom Lens (1.3-1.8:1) *(PAETDLE100)* **1999.95**

Zoom Lens (2.5-4.0:1) *(PAETDLE200)* **2099.95**

Zoom Lens (3.4-4.5:1) *(ET-DLE310)* ....**CALL**

Zoom Lens (4.5-8.4:1) *(ET-DLE410)* ....**CALL**

Fixed-Focus Lens (0.8:1) *(PAETDLE050)* ...**2349.95**

Wireless Mouse Receiver *(PAETRMRC2)*...**109.95**

PT-D7500U • PT-D7600U

5500 and 6500 Lumens 3-CCD Large Venue DLP Projectors

Compact, high-performance three-chip DLP projectors, the PT-D7500U (XGA) and PT-D7600U (SXGA) seamlessly integrate breathtaking image quality, compactness and low cost of operation. Easy to transport, set up and maintain, they can be used in applications where users previously had to settle for a projector of lower presentation quality. The PT-D7500U and PT-D7600U produce astounding still and motion images, making them ideal choices for demanding rental and staging, digital cinema and mission-critical data environments such as 24-hour-a-day command-and-control centers. Superbright with 5000 and 6000 lumens respectively, they offer a remarkable, theater-quality contrast ratio of up to 1000:1 and are stackable for double brightness (up to 12000 lumens).

Offering a sleek, dust-proof design, the PT-D7600U and PT-D7500U offer a dual-lamp system that delivers the power of two high-intensity light sources through a high-precision prism, providing peace of mind by virtually eliminating downtime due to a burned-out lamp. By adding the optional 10Base-T or 100Base-TX network module, they are network-ready, enabling monitoring via LAN-based remote control over a web browser.

FEATURES

World's Lightest DLP-Based Projectors

By combining a new-generation 3-chip DLP system with a new optical system, Panasonic has dramatically reduced their cabinet size, achieving the world's lightest 3-chip DLP projectors. With a weight of 43 lbs., they can go places no other 3-chip DLP projectors have ever gone before.

The PT-D7500U and PT-D7600U provide the quality and performance needed in almost any application. Use them in meeting rooms, theaters, museums, convention halls, public spaces, schools, research labs—anyplace where bright, beautiful images are a plus. Also, the superb resolution made possible by 3-chip DLP technology delivers images with exceptional detail and accuracy. This makes these projectors suitable for use as main systems for monitoring traffic or electric power, or in operation centers such as police or fire and air traffic control centers.

A Wide Variety of Applications

3-Chip DLP Technology

The 3-chip DLP system, considered among the world's most advanced projector engines, has a Digital Micromirror Device (DMD) chip allocated to each of the red, green, and blue signals. This gives the DLP system superior light utilization for high brightness, digital processing for low noise and linear white balance, extended device life for minimal image degradation, and a quick response that eliminates after images. The PT-D7600U and PT-D7500U incorporate digital and optical technologies that maximize these DLP advantages.

◆ The PT-D7500 delivers 5,000 lumens of brightness, and the PT-D7600U gives 6,000 lumens, offering superior color reproducibility.

◆ Panasonic's sophisticated optical system achieves a remarkable 1000:1 contrast ratio. This combines with an outstanding brightness for crisp, high-resolution images in virtually any viewing environment. Contrast can be switched between High and Normal as conditions require. Ideal form cinema viewing applications.

◆ High-speed DSP chips enable interlaced-to-progressive (IP) conversion for HD sources, complete with digital cinema reality (DCR) and digital noise reduction (DNR).

◆ The built-in digital detail enhancer checks and corrects the quality of 368,000 pixels in each image to improve sharpness and clarity.

◆ The Digital Cinema Reality circuit provides progressive processing optimized for 24 or 30 frame/sec sources, helping to reproduce the image with quality faithful to the original.

PT-D7500U • PT-D7600U

Connection Flexibility

◆ They feature two computer (RGB) inputs, one of which doubles as a monitor loopthrough output, (RGB 2 IN can be switched for use as a monitor loop-through output for RGB 1), as well as three video inputs (component, composite and S-Video).

◆ HDTV-ready, these units can automatically synchronize to display 1080/24p, 1080i, 720p, 480p and 480i video in the 16:9 ratio.

◆ They offer RS-232C and RS-422 input/output, two remote inputs, and one remote output.

◆ No more trade-off between image quality and portability— now you can bring a high-performance DLP-based projector where it used to be too difficult. And they offer quick, easy, and flexible installation. Two types of optional ceiling mount brackets are available, plus the dual stacking mount bracket lets you double the brightness– 10,000 lumens for the PT-D7500U and 12,000 lumens for the PT-D7600U.

Quiet and Reliable Operation

◆ Designed for quiet operation, a fluid-cooled optical system and noise-suppression duct and control system help minimize operating noise. The fan rotation can be adjusted in fine steps, so fan noise is reduced when rotation adjusts to match room temperature changes. This minimizes sudden increases in fan noise during operation. Fan noise when switching the power off is also reduced.

◆ The use of two high-brightness 300w UHM lamps with up to a 2,000-hour life per lamp, (BriteOptic Dual Lamp System) eliminates the need to interrupt a presentation if a lamp burns out (in dual lamp mode). In single lamp mode, the lamp auto changer function allows non-stop operation 24 hours a day for a full 365 days.

◆ Dust-free design helps ensure that they will continue to deliver crisp, high-resolution images over an extended service life.
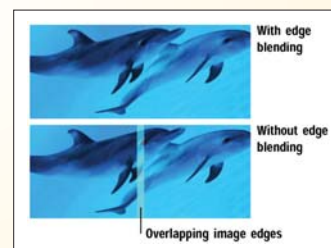
Multi-Screen Projection

The projectors offer built-in multiscreen color matching and edge blending for displaying uniform, natural-looking, full-motion images over the entire span without any discernible lines between overlapping projected images. An outstanding benefit of edge blending is that it increases the image's horizontal resolution while maintaining the maximum vertical resolution. Up to 100 projectors (10 x 10) can be edge blended at one time.

Color Matching: When several units are used together, this function corrects for slight variations in the color reproduction range of individual projectors. The PC software assures easy, accurate control. To simplify the set-up process, you can adjust the projectors before delivery to the presentation site. The color-matching function accommodates up to nine units, for multi-screen or single screen presentation.

Edge Blending:

This function controls the brightness at overlapping image edges to assure uniform, natural-looking, multi-screen images. When projecting HD sources with a single projector, part of the DMD device is unused. In multi-screen projections with two projectors, the DMD devices increase the image's horizontal resolution while maximizing vertical resolution.

Built-in Multi-Screen Processor:

The PT-D7600U and PT-D7500U can project large, multi-screen images without any additional equipment. Up to 100 projectors (10 x 10) can be edge-blended at a time.

Optional Board Modules

In addition to the supplied connection terminals, an optional board module can be selected to match a variety of input source signals, including digital serial component signals.
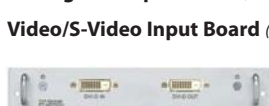
DVI Interface Board *(PAETMD77DV)*...**1499.95**

SDI (480i/576i) Input Board *(PAETMD77SD1)*...........................**1624.95**

SDI Input Board (PAETMD77SD1)

SDI (720p/1035i/1080i/1080-24p)
Input Board *(PAETMD77SD3)* **4679.95**

Analog RGB Input Board

Network I/F Board *(PAETMD77NT)* **1249.95**

Analog RGB Input Board *(PAETMD95RGB)* ....**CALL**

Video/S-Video Input Board *(PAETMD95VM2)* ....**CALL**

SDI Input Board (PAETMD77SD2)

DVI Interface Board

HDI Input Board (PAETMD77SD3)

Video/S-Video Input Board

Network Function

Optional interface boards for 10Base-T and 100Base-TX make them network-ready. With one of these boards mounted, all functions can be controlled from a computer on a local area network (LAN) or over the internet via a standard web browser without any additional software. The projectors will even send an e-mail message to alert you of any operating errors or notify you when a lamp needs to be replaced, providing advanced maintenance ease and reliability.

Projector Network Interface Board *(PAETMD75NT)* **1559.95**

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PT-D7500U • PT-D7600U

Other Features

◆ Mechanical shutter completely blocks light leakage when there is no signal input

◆ Momentary switching for RGB/Video input without disrupting the image

◆ 96 user memories

◆ Wireless/wired remote control unit with wireless mouse function

◆ ID assignment for up to 65 units

◆ Coordinated group control for up to 26 groups (A-Z)

◆ Picture in picture (cannot be used with some main/sub input source combinations)

◆ ±40° digital keystone correction (horizontal and vertical)

◆ 3x digital zoom

◆ Built-in 3-watt (x2) stereo speakers

◆ Built-in test pattern

◆ Selectable 7-language on-screen menu (English, German, French, Spanish, Italian, Chinese, Japanese

Optional Accessories

Replacement Lamp (PAETLAD7500)..........**544.95**

Twin Pack Replacement Lamp (PAETLAD7500W) **999.95**

Ceiling Mount Bracket (PAETPKD75)........**549.95**

Low Ceiling Mount Bracket (PAETPKD75S) **659.95**

Dual Stacking Mount Bracket (DT-DFD75)..............................**CALL**

Carrying Handle (PAETHAD75)........................**284.95**

Wireless Mouse Receiver (ET-RMC)..............**CALL**

Zoom Lens (1.5-2.0) (PAETD75LE1) **3694.95**

Super-Contrast Zoom Lens (1.5-2.0) (PAETD75LE1SC)............**CALL**

Zoom Lens (2.0-3.0) (PAETD75LE2) **2799.95**

Super-Contrast Zoom Lens (2.0-3.0) (PAETD75LE2SC)............**CALL**

Zoom Lens (3.0-5.0) (PAETD75LE3) **3079.95**

Super-Contrast Zoom Lens (3.0-5.0) (PAETD75LE3SC)............**CALL**

Zoom Lens (5.0-8.0) (PAETD75LE4) **4139.95**

Super-Contrast Zoom Lens (5.0-8.0) (PAETD75LE4SC)............**CALL**

Fixed Focal Lens (PAETD75LE5)................**5999.95**

Interchangeable Lenses

A choice of nine optional lenses accommodates a wide range of projection applications. Choose from eight powered zoom/focus lenses and one fixed shortfocus lens. All lenses feature easy, click-in bayonet mounting. All provide wide-range, motor-driven vertical and horizontal lens shifting.

PT-D7500U DISTANCE TO SCREEN

Diagonal Image Size (4:3 aspect ratio)	ET-D75LE1/ D75LE1SC 1.87– 2.5:1		ET-D75LE2/ D75LE2SC 2.5 – 3.75:1		ET-D75LE3/ D75LE3SC 3.75 – 6.25:1		ET-D75LE4/ D75LE4SC 6.25 – 8.0:1		ET-D75LE5 1.0:1
	min.	max.	min.	max.	min.	max.	min.	max.	fixed
5.8' (70")	9.2'	12.3'	12.4'	18.6'	18.8'	31.1'	31.1'	50.7'	4.6´
8.3' (100")	13.3'	17.7'	17.9'	26.8'	27.0'	44.5'	44.6'	72.6'	6.7´
16.7' (200")	26.8'	27.7'	36.0'	53.9'	54.4'	89.5'	89.5'	145.5'	13.7´
25.0' (300")	40.3'	53.8'	53.1'	81.0'	81.7'	134.4'	134.5'	218.4'	20.6´
33.3' (400")	53.8'	71.8'	72.2'	108.1'	109.0'	179.4'	179.4'	291.3	–
50.0' (600")	80.8'	107.8'	126.7'	162.3'	163.7'	269.3'	269.3'	437.1'	–

PT-D7600U DISTANCE TO SCREEN

Diagonal Image Size (5:4 aspect ratio)	ET-D75LE1/ D75LE1SC 1.5– 2.0:1		ET-D75LE2/ D75LE2SC 2.0 – 3.0:1		ET-D75LE3/ D75LE3SC 3.0 – 5.0:1		ET-D75LE4/ D75LE4SC 5.0 – 8.0:1		ET-D75LE5 0.8:1
	min.	max.	min.	max.	min.	max.	min.	max.	fixed
5.8' (70")	7.1'	9.5'	9.6'	14.5'	14.5'	24.3'	24.3'	39.3'	3.7'
8.3' (100")	10.3'	13.7'	13.8'	20.8'	20.9'	34.9'	34.9'	56.2'	5.3'
16.7' (200")	20.8'	27.7'	27.9'	42.0'	42.0''	70.2'	70.2'	112.8'	10.6'
25.0' (300")	31.3'	41.7'	42.0'	63.1'	63.2'	105.4'	105.5'	169.4'	15.9'
33.3' (400")	41.8'	55.8'	56.1'	84.3'	84.4'	140.7'	140.7'	226.0'	–
50.0' (600")	62.8'	83.8'	84.2'	126.7'	126.7'	211.3'	211.3'	339.1'	–

	PT-D7500U	PT-D7500U
Device	0.7" (diagonal) DMD (x3), 4:3	0.9" (diagonal) DMD (x3), 5:4
Pixels	786,482 (1024 x 768) x 3	1,310,720 (1280 x 1024) x3
Brightness	5000 ANSI lumens (dual lamp) 2500 ANSI lumens (single lamp)	6000 ANSI lumens (dual lamp) 3000 ANSI lumens (single lamp)
Lamp	1500 hours (lamp power: high); 2000 hours (lamp power: low)	
Contrast Ratio	1000:1 with SC lens (full white/full black, contrast: high) 600:1 with standard lens (full white/full black, contrast: normal)	
RGB Resolution	1024 x 768 pixels	1280 x 1024 pixels
Component Signal	480i, 567i, 480, 720p, 1080i	480i, 567i, 480, 720p, 1080i
Video Signal	NTSC, PAL, SECAM, M-NTSC, PAL60, PAL-M, PAL-N	
Dimensions (WHD)	17³⁄₈ x 7¹⁵⁄₁₆ x 17¹¹⁄₁₆" (without lens)	17³⁄₈ x 7¹⁵⁄₁₆ x 17¹¹⁄₁₆" (without lens)
Weight	43.6 lbs (without lens)	43.6 lbs (without lens)

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PT-D7700 • PT-DW7000

High-Resolution 4:3 and 16:9 Widescreen 3-CCD Large Venue DLP Projectors

The 4:3 high-resolution PT-D7700 and 16:9 widescreen PT-DW7000U are 3-chip large venue DLP projectors designed for fixed installations and public display venues including independent cinema, live events, educational institutions, staging, and public advertising as well as premium home theater applications. These heavy-duty projectors are also perfect for mission-critical environments such as 24-hour-a-day command and control centers. In addition, the native 16:9 PT-DW7000U offers a versatile presentation style where XGA graphics and HD video can be combined on one screen.

The PT-DW7000U offers 6,000 lumens of brightness and WXGA (1366 x 768) resolution. The PT-D7000U produces 7000 lumens of brightness and a SXGA+ (1400 x 1050) resolution. The projectors deliver a theater-quality 3000:1 contrast ratio with Panasonic's Dynamic Iris, which switches the aperture according to the input signal.

Sleek and dust-proof, both projectors are equipped with three-chip DLP light valves with sealed, fluid-cooled optical systems. Artificial intelligence (AI) is used in the lamp power control system to assure optimum image brightness. Its lamp auto-changer alternates lamp operation to permit extended 24/7 use, and allows operation to continue without interruption even if one lamp burns out. The projectors offer built-in multi-screen color matching and edge blending for displaying uniform, natural-looking, full-motion images over a wide span without any discernible lines between overlapping blended images. An outstanding benefit of edge blending is that it increases horizontal resolution while maintaining the maximum vertical resolution. Up to 100 projectors (10 x 10) can be edge-blended at one time.

The PT-DW7000U/D7700U offer Panasonic's BriteOptic dual-lamp system that delivers the power and reliability of two high-intensity 300w UHM lamps through a high-precision prism. By adding the optional Ethernet network module, the units are network-ready, enabling network administrators to centrally monitor these projectors via LAN-based remote control over a Web browser, thereby driving down support costs and minimizing any downtime.

The PT-DW7000U/D7700U are easy to setup with one-touch auto-setup with horizontal/vertical lens shift and Digital Keystone correction. The 16:9 HDTV units can automatically synchronize to display 1080/24p, 1080/24sF, 1080/30p, 1080/25p, 1080/60i-50i, 1035/60i 720p, 480p and 480/576i video in the conventional 4:3 aspect ratio. They can project on screens from 70" to 600".

Other features include RS-232C/RS-422 input/output control; mechanical shutter; and 96 user memories. In addition to a wide range of standard inputs, there are a host of optional input boards available including for HD-SDI, SD-SDI, RGB/YPbPr, DVI, Ethernet, and video/S-Video. There are seven optional lenses available for both models as well.

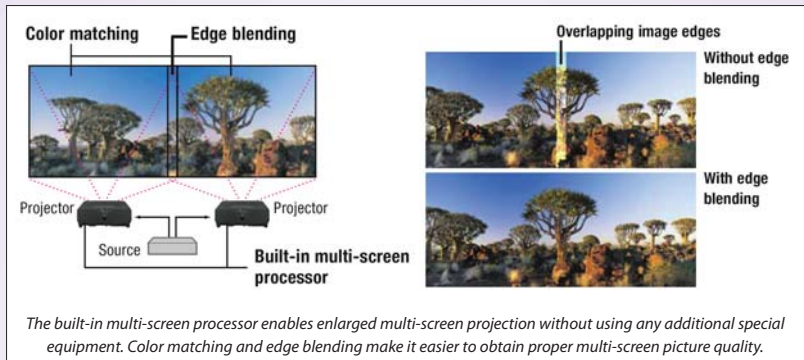# PANASONIC

PT-D7700 • PT-DW7000

Super-Light 3-CCD Large-Venue DLP Projectors

They combine the latest 3-chip system based on DLP technology with an exclusive Panasonic optical system. The result is dramatically reduced cabinet size—only one-fifth the size of conventional large venue 3-chip DLP-based projectors. This feat of design and technology achieved one of the lightest 3-chip projector with DLP technology. With a weight of only 48.5 lbs., the PT-D7700U and PT-DW7000U can go places other bulky 3-chip projectors have never gone before.

Highest Brightness and Image Quality

◆ DLP technology delivers outstanding image resolution. And DLP 3-chip systems are considered among the most advanced projector engines. A Digital Micromirror Device (DMD) chip is allocated to each of the red, green, and blue signals. This provides superior light utilization for high brightness, digital processing for low noise and linear white balance, extended device life for minimal image degradation, and a quick response that eliminates after images.

◆ Applying 16-bit drive to each of the RGB panels produces 8x the level of expression (a total of 24x for all three RGB panels) of conventional 13-bit drive devices. This creates extremely smooth tonal expression with approx. 65,000 shades of gradation.

◆ The Dynamic Sharpness Control circuit adjusts the video signal waveforms based on the difference in the brightness of adjacent pixels for a sharp, clear picture.

◆ In addition to the 300-watt UHM lamp, their incorporated digital and optical technologies maximize DLP technology advantages. The PT-DW7000 offers brightness of 6,000 lumens, the PT-D7700U offers 7,000 lumens.

◆ Progressive Cinema Scan (3/2 Pulldown) is an interlace/progressive conversion technology that automatically detects when the input signal is derived from filmed material and selects the optimum progressive processing method to assure faithful reproduction of the original image. It is also compatible with the high-definition 1080i format.

Built-In Color Matching, Edge Blending, and Multi-Screen Processor

The built-in multi-screen processor enables enlarged multi-screen projection without using any additional special equipment. Color matching and edge blending make it easier to obtain proper multi-screen picture quality.

Color Matching:
When several units are used together, the Color Matching function corrects for slight variations in the color reproduction range of individual projectors.
The PC software assures easy, accurate control. Independent, 7-axis adjustment (red, green, blue, yellow, magenta, cyan, white) ensures high precision and minimizes color variations. To simplify the set-up process, you can adjust the projectors before delivering them to the presentation site. The color matching function accommodates up to nine units, for multi-screen or single screen presentation.

Edge Blending:
This function controls the brightness at overlapping image edges to assure uniform, natural- looking, multi-screen images. When projecting HD sources with a single projector, part of the DMD is unused. In multi-screen projections with two projectors, the DMDs increase the image's horizontal resolution while maximizing vertical resolution.

Multi-Screen Processor:
They can project large, multiscreen images without any additional equipment. Up to 100 units (10 x 10) can be edge blended at a time.
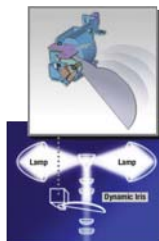
Dynamic Iris: Deeper Blacks, Brighter Whites, and Vivid, True-to-Life Color

Incorporating Panasonic's Dynamic Iris, they achieve a 4000:1 contrast ratio. Dynamic Iris constantly monitors the input signal, and adjusts the intensity of the light source to match it. This highly advanced function provides high-speed, linear response to changing images with 256-step precision. It also combines with dynamic gamma control to produce deep, rich blacks while preserving the brightness in the lighter portions of dark scenes.

Competitor A: Blacks and other dark portions are washed out.

Competitor B: With lamp power switching, blacks are not washed out. White portions, however, become dim and dull.

Dynamic Iris fine-tunes the lamp output with 256-step precision. Dynamic Gamma preserves the brightness in bright portions, helping maintain a wide dynamic range.

◀ *Competitor A*

Competitor B ▶

Dynamic Iris and Dynamic Gamma
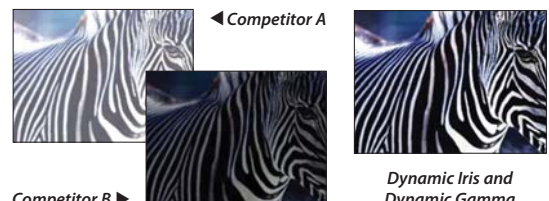
PT-D7700 • PT-DW7000

Flexible System Applications

◆ They are equipped with a horizontal/vertical motor-driven lens shift that moves the lens left, right, up, and down. This gives you easy, accurate adjustment when installing the projectors.

◆ For flexible installation, they feature two RGB inputs, a composite video input and output, and an S-Video input. They also offer RS-232C/422 input and output, two remote inputs, and one remote output.

◆ In addition to the supplied connection terminals, there are seven optional board modules available to match a variety of input sources, including SDI component signals.

High Reliability and Easy Maintenance

◆ In DLP systems, the microscopic mirrors of the DMD chip turn the light on and off. When off, light is directed away from the lens. Panasonic's liquid cooling system handles the heat from this light, thereby extending projector performance and attaining a high level of reliability.

◆ To minimize the effect of dust, Panasonic completely sealed the optical block. This dust-free design ensures the projectors will continue to deliver crisp, sharp, high-resolution images over an extended service life.

◆ The use of two lamp systems increases brightness and eliminates the need to interrupt a presentation if a lamp burns out (in dual lamp operation mode). In single lamp operation mode, the lamp relay function greatly extends continuous operating time.

◆ An optional 4,000-hour lamp is available. In single lamp mode, the lamp lamp relay function allows non-stop operation 24/7 for up to 47 weeks without replacing the lamps. Plus, they allow easy lamp replacement even if the projectors are fully mounted.

◆ Dust filter is easy to clean, and you don't have to make any changes in the projector's mounting condition. This helps to minimize user down time.

Optional Networking Capability

By adding the optional Ethernet network module 10Base-T and 100Base-TX, the units are network-ready, enabling network administrators to centrally monitor these projectors via LAN-based remote control over a Web browser, thereby driving down support costs and minimizing any downtime.

◆ The optional interface board makes them network-ready. Simply hook the projector up to an existing LAN network for easy remote control and/or monitoring. System administrators will especially appreciate this feature when using them as fixed installation projectors.
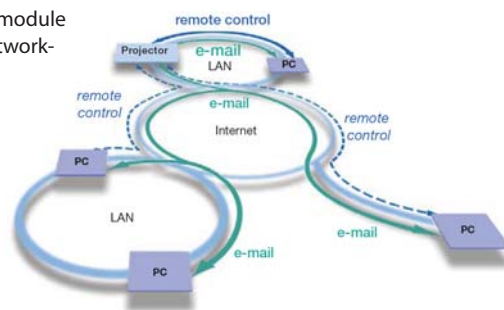
◆ Anybody can operate them by remote control or monitor the status over a LAN network, because it is all done using the computer's familiar Web browser.

◆ The projectors automatically send an e-mail message to notify the operator when an error has occurred, or a lamp needs to be replaced, providing an advanced level of maintenance ease and reliability.

Projector Network Interface Board (PAETMD75NT) **1559.95**

Optional Board Modules

In addition to the supplied connection terminals, an optional board module can be selected to match a variety of input source signals, including digital serial component signals.

DVI Interface Board (PAETMD77DV) **1499.95**

SDI (480i/576i) Input Board (PAETMD77SD1) **1624.95**

SDI (720p/1035i/1080i/1080-24p) Input Board (PAETMD77SD3) **4679.95**

Network I/F Board (PAETMD77NT) **1249.95**

Analog RGB Input Board (PAETMD95RGB) ....**CALL**

Video/S-Video Input Board (PAETMD95VM2) ....**CALL**

SDI Input Board (PAETMD77SD1)

Analog RGB Input Board

Video/S-Video Input Board

Options Lenses for More Flexible Installation

A wide range of optional lenses with different throw distances are available in addition to the supplied lens. Optional lenses with super-long focal lengths of 8.0 to 15.0 are ideal for use in screening rooms. These powered zoom/focus lenses enable the projectors to perform superbly in an array of projection environments, from classrooms to conference rooms. It's a snap to replace the "click-in" type lenses used in the bayonet system of these projectors. Optional lenses include:

1.5-2.0:1 Zoom Lens (PAETD75LE1) **3694.95**

2.0-3.0:1 Zoom Lens (PAETD75LE2) **2799.95**

3.0-5.0:1 Zoom Lens (PAETD75LE3) **3079.95**

5.0-8.0:1 Zoom Lens (PAETD75LE4) **4139.95**

8.0-15.0:1 Zoom Lens (PAETD75LE8) **9599.95**

0.8:1 Fixed-Focus Short Throw Lens (PAETD75LE5) **5999.95**

PANASONIC

PT-D7700 • PT-DW7000

Additional Features

◆ Mechanical shutter completely blocks light leakage when no image is being projected

◆ Momentary switching for RGB/Video input without disrupting the image

◆ 96 user memories

◆ Wireless/wired remote control unit with wireless mouse function (Requires the optional ET-RMRC2 wireless mouse receiver)

◆ The projectors have an ID number setting function that helps the user to control two or more projectors either simultaneously or separately with a single remote control. ID assignments can be made for up to 64 units

◆ Coordinated group control for up to 26 groups (A-Z)

◆ Picture in picture (main/sub input source combinations possible only when using computer and video)

◆ Digital vertical keystone correction of up to ±40° using the ET-D75LE2

◆ 3x digital zoom

◆ Built-in test pattern

◆ Selectable 9-language on-screen menu (English, German, French, Spanish, Italian, Russian, Japanese, Chinese, Korean)

◆ They are designed for quiet operation. The liquid-cooled optical system and specially-designed noise-suppression duct and control system help minimize operating noise. The fan rotation can be adjusted in finer steps, so fan noise is reduced when rotation adjusts to match room temperature changes. This helps minimize sudden increases in fan noise during operation.
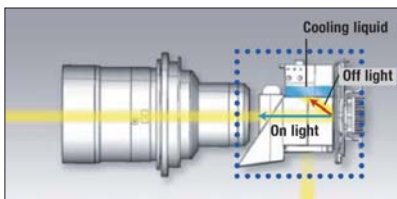
◆ They can automatically synchronize to display 1080/24p, 1080/24sF, 1080/30p, 1080/25p, 1080/60i-50i, 1035/60i, 720p, 480p and 480/576i video in the conventional 4:3 aspect ratio.

◆ They can project on screens from 70" to a massive 600".

Optional Accessories

Replacement Lamp *(PAETLAD7700)* **559.95**

Replacement Lamp Twin Pack *(PAETLAD7700W)*............................**1039.95**

Replacement Long-Life Lamp *(PAETLAD7700L)* **619.95**

Replacement Long-Life Lamp Twin Pack *(PAETLAD770LW)*.......**1134.95**

Ceiling Mount Bracket *(PAETPKD75)* **659.95**

Low Ceiling Mount Bracket *(PAETPKD75S)* **549.95**

Dual Stacking Mount Bracket *(PAETDFD75)*....................................**3219.95**

Carrying Handle *(PAETHAD75)* **284.95**

Wireless Mouse Receiver *(PAETRMRC2)*...**109.95**

	PT-D7700	PT-DW7000
Native Resolution	SXGA+ (1400 x 1050)	WXGA (1366 x 768)
Display Technology	DLP 0.95" Diagonal DMD x3	DLP 0.85" Diagonal DMD x3 16:9
Input Sources	RGB (15-pin D-sub, DVI-I), video (S-Video, Composite, Component), audio (RCA)	RGB (15-pin D-sub, DVI-I), video (S-Video, Composite, Component), audio (RCA)
Output Terminals	9-pin D-sub, RS-232C	9-pin D-sub, RS-232C, Ethernet
Computer Compatibility	VGA, SVGA, XGA, SXGA, UXGA, Macintosh	VGA, SVGA, XGA, SXGA, UXGA, Macintosh
Video Compatibility	NTSC, PAL, PAL M, N, SECAM, NTSC4.43, HDTV, DTV (1080i, 576i,480p, 720p)	NTSC, PAL, PAL M, N, SECAM, NTSC4.43, HDTV, DTV (1080i, 576i,480p, 720p)
Max ANSI Lumens	7,000 ANSI lumens	6,000 ANSI lumens
Contrast Ratio	4,000:1	4,000:1
Image Size *(Diagonal)*	70" – 600"	70" – 600"
Lamp *(Bulb)*	300W UHM x2	300W UHM x2
Bulb Life Expectancy	up to 4,000 hours	up to 4,000 hours
Aspect Ratio	4:3 (standard Screen)	16:9 (standard); 4:3 compatible
Screen Projection	Front and Rear	Front and Rear
Ceiling Mountable	Yes	Yes
Keystone Correction	±40° vertical correction	±40° vertical correction
Controls	Wireless Remote, 9-pin D-sub for RS-232C	Wireless Remote, 9-pin D-sub for RS-232C, USB, Wired Remote Control
Dimensions *(HLW)*	7.8 x 21.45 x 20.8"	7.8 x 21.45 x 20.8"
Weight	48.5 lbs.	48.5 lbs.

V-332

'Palm-Sized' 1200 Lumen XGA Projector

Designed with the sales person and business traveler in mind, the innovative V-332 is one of the world's smallest projectors. Weighing less than 3 lbs. and literally fitting into the palm of your hand, the V-332 is packed with a high 1200 lumen brightness and a 2000:1 contrast ratio to project crisp, color-rich images. The versatile and flexible V-332 offers several operating modes including Standard mode, Quick Color-Adjustment, and Eco mode. It supports the latest in video standards, including 480p or 576p for progressive DVD, and 720p or 1080i for HDTV. It features the newly patented Unplug & Go function and a new Iris Lens Cover design. allows the power cable to be unplugged immediately after use.and to better protects the lens.

Other key features are a built-in presentation timer, displaying the presenter's remaining time, a full function credit card-type remote control and double security settings. Includes a soft carrying case and comes standard with PLUS Vision's 3-year all parts and labor warranty.

FEATURES

High-Res Image Reproduction

◆ Native XGA (1024 x 768) resolution, plus they can display resized (compressed) SXGA (1280 x 1024) signals, making it compatible with most laptop/notebook computers.

◆ DLP technology uses a reflective system so there is almost no light loss, allowing superior brightness. In addition, there is no adverse effect of heat or light to cause image deterioration. Reliable image quality is maintained, even with extended use.

◆ Superb 2000:1 contrast provides clearer images of text and fine drawing. Also allows fine gradations of expression with photographs and other images.

◆ Outputs a bright 1200 bright lumens— amazing output for such a small projector.

◆ Compatible with progressive DVD and HDTV (480p, 576p, 720p, 1080i) signals as well as NTSC, NTSC 4.43, PAL, PAL-M, PAL-N and SECAM.

The unique dial-type "Iris" lens cover protects the lens when carrying or storing the projector. The design makes it simple to remove and attach the lens cap, and eliminates the risk of losing it. The lens cover opens with a simple twist, making the projector more mobile and more convenient.

Easy Set Up

◆ Auto-Detect automatically identifies and projects RGB and video input sources.

◆ Automatically adjusts the phase, clock speed, and resolution of the RGB signal from the PC.

◆ On-screen user interface features simple pull-down menus: digital vertical keystone correction, zoom, smooth, mute, and freeze commands.

◆ Set up is a breeze, thanks to two adjustable front feet and a flip-up back foot. All three feet have no-slip rubber pads and the front feet have buttons that let you make flash adjustments.

◆ Equipped with an ultra short-throw lens, re-sizing your image optically has never been easier. This makes it easier to set up when delivering presentations in cramped quarters. You'll have a large screen from a short distance.

Presentation Features

◆ Digital 2x zoom function projects the point you want to emphasize most on the screen, and allows greater control with a scrolling feature while zoomed in.

◆ Operating modes include Standard mode, which prioritizes brightness; Quick Color-Adjustment mode which emphasizes superior color reproduction; and Eco mode, which saves power consumption and lengthens the lamp lifetime by 30%.

◆ On-screen timer displays remaining time on screen in 10-minute increments, and can be set for anywhere from 10 to 60 minutes

◆ The Unplug & Go function allows you to unplug the power cable immediately after use. The projector's battery-operated cooling fan will continue to run while the presenter is packing up. This feature is ideal for every sales or business person on the go.

◆ Double-security with password protection feature and security cable slot.

◆ Front ventilation keep exhaust air away from audience members sitting behind the projector, providing a distraction-free viewing environment.

◆ Includes credit-card sized remote control. Also gives you remote mouse control. (Requires the VR-100 Remote Mouse Set).

V-339

'Palm-Sized' 1300 Lumen, XGA DLP Projector with Dual Color Mode

Incorporating patented DCM (Dual Color Mode) technology, the V-339 is is the first projector that can switch between two color modes for optimal color-usage. This 2.8 lb. 1300 lumen projector is ideal for home or business use for applications like healthcare, pharmaceutical, architecture, design, photography, education or government.

With an award winning design, the V-339 needs only a single button to switch color wheel configurations between presentation and premium video applications. In fact, toggling can be performed on the fly with the DCM button on the unit or the remote control, even during projection. So for those who want a projection system that can display video and crystal clear presentations—the V-339 is the ideal choice, because it's like having two projectors in one.

Identical to the V-332 except a drop brighter (1300 lumens) and DCM Dual Color Mode

The Dual Color Mode allows users to switch color wheel configurations between "Dynamic Mode," a four-segment configuration generally used in business applications, and "Vivid Mode," a six-segment configuration, generally used when premium colors such as home video, are needed. For business applications, the Dynamic mode's four-segment color wheel consisting of red, green, blue and white (clear) color segments is used. This emphasizes clearness and is excellent for projecting in bright locations and business environments.

For home use or when more vibrant color saturation is required, the projector can be switched to the six-segment color wheel, "Vivid Mode," which has a red, green, blue, red, green, blue configuration. Vivid mode is ideal when very natural color reproduction is desired, for viewing richly colored digital camera photographs or DVDs.

The color wheel design, more than any other component, establishes the nominal image performance of a projector. For example a four-segment wheel establishes the fundamental brightness, contrast and color purity with an emphasis on brightness and contrast. Electronic adjustments on the projector allows the user to adjust brightness, contrast and color qualities around that nominal value established by the particular color wheel. By having two different color wheel configurations inside of one projector, two entirely different nominal values of image performance are available. It is literally like having two different projectors in one box.

DCM technology is useful in many different applications, such as business, education and government. Some industries, such as medical, require a business projector for presentation use, but must also show images that require vivid, nicely saturated colors. Schools, too, use a combination of both PC applications and video.

DCM is like getting two projectors for the price of one.

| V-332 / V-339 SPECIFICATIONS	
Native Resolution	XGA (1024 x 768)
RGB Signal Input	XGA (true), SXGA (compressed), SVGA/VGA (expansion/true)
Brightness	V-332: 1200 lumens V-339: 1300 lumens
Contrast Ratio	2000:1 (Full on/off)
Aspect Ratio	4:3, supports 16:9
Projection Lens	F=2.6-2.9 f=27.5-33mm
Zoom	1:1.2 Manual Zoom
Digital Keystone Correction	+17/-22
Digital Zoom	2x
Light Resource	V-332: 190 watt lamp V-339: 130 watt lamp
Color Palette	16.7 million colors
Projection Distance	3.9 - 38'
Image Size	26 - 300" diagonal
Video Signal	NTSC3.58, NTSC4.43, PAL, PAL-M, PAL-N, PAL60, SECAM, YCbCr (NTSC, PAL), YPbPr (480p, 576p, 720p, 1080i)
Audio	Mono 0.5 watt
Dimensions (HWL)	1.8 x 7.3 x 6.9"
Weight	2.8 lbs

U4-232H • U4-237

Ultra Portable 2000 Lumen XGA Projectors

Super bright mobile projectors weighing 3.5 lbs. each the U4-232H and U4-237 deliver 2000 lumens with XGA resolution, high contrast ratio of 2000:1 and are equipped with DVI interface for HDTV compatibility. And though they are about the size of a hardcover book, they're bright enough for use in well-lit areas and large conference rooms without turning down the lights. In addition to being compact and lightweight, the U4-232H and U4-237 deliver world-class performance as mobile projectors, offering a host of features essential for business use.

Advanced, next generation "Eco-Mode" saves you lamp hours and overall cost of ownership with only a 20% reduction in brightness; breezy set-up with automatic source select plus automatic adjustment to your computer's resolution and speed, and security features that prevent malicious use and theft.

Otherwise the same, the U4-237 steps-up with a built-in CompactFlash card slot, enabling PC free presentations while wireless LAN technology makes it possible to transmit images from a PC to the projector. There is no need to connect to the PC and projector with a VGA cable. Switching the connection from one PC to another is also simple.
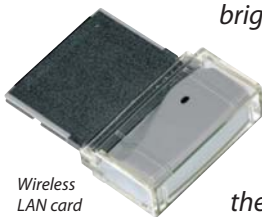
Wireless LAN card

Step-up features from V-332 (previous page) except no 'Unplug and Go' and Iris Lens Cover

◆ They output 2000 lumens—bright enough for use in well-lit areas and large conference rooms without turning off the lights.

◆ Digital Visual Interface (DVI) for a pure digital connection– no signal compression. You can also project HDTV signals through the DVI input.

UF-232H Only

◆ Incorporates the Advanced Color Wheel (ACW). A PLUS technology, ACW allows for greater enhancement of color reproduction. Specifically, it addresses the yellow and red shift that is common to most business projectors. This is achieved by improving the positioning (angle) of the RGB (red, green, blue) colors on the wheel, and by enhancing the coating on the G (green) portion of the filter. Using the ACW, yellows and reds appear bright and saturated — not muddy.

U4-237 Only

◆ The U4-237 has wireless network capabilities including a CompactFlash (CF) card wireless LAN module that can connect multiple PCs without the hassle of switching cords.

◆ The CF card allows for basic projector operations (e.g. power on and off or switch input signals) from a web browser and the option to save PowerPoint presentations directly onto the CF card. Presentations can be delivered directly from the projector; freeing a presenter from connecting to a laptop.

◆ PLUS has also built in WEP standard wireless LAN encryption for safe, secure data transmission.

◆ Leveraging technology and product synergies, PLUS Vision has also included technology that allows images to be projected directly from a PLUS M-10 electronic whiteboard to the U4-237. Presenters can now place images directly onto the built-in memory card of the U4-237.

	U4-232H	U4-237
Native Resolution	XGA (1024 x 768)	XGA (1024 x 768)
Brightness	2000 lumens	2000 lumens
Contrast Ratio	2000:1	2000:1
Aspect Ratio	4:3, supports 16:9	4:3, supports 16:9
Dimensions (HWD)	2.08 x 7.5 x 9.5", weighs 3.3 lbs.	2.08 x 7.5 x 9.5", weighs 3.3 lbs.

U5-512H • U5-532H • U5-632H • U5-732H

Compact SVGA and XGA DLP Projectors

The "U5 Series" consists of the U5-512H (SVGA, 2000 lumens), U5-532H (XGA, 2000 lumens), U5-632H (XGA, 2300 lumens) and U5-732H (XGA, 2500 lumens). They provide excellent performance value with manual short focus zoom lens, RS-232 port (except the U-512H), and PLUS' Advanced Color Wheel (ACW) which preserves brightness while allowing for greatly enhanced color reproduction and astoundingly clear picture quality. Incorporating TI's DLP DDR chip for a high contrast ratio of 2000:1 ratio, they project crisp, sharp images in which black looks black, and white is really white. A rich range of gradations enables the faithful reproduction of subtle color shades, greatly enhancing the picture's quality. And with their high brightness, images shine crisp and colorful with the lights on or off.

The U5-632H (only) has a Bright Mode that allows the projector to disengage the color wheel with a manual switch, resulting in a projected monochromatic image with a 50% increase in brightness. When in Bright Mode, the image will not be in color, but with a full grayscale. This is ideal for projecting spreadsheets, x-rays, and any full text applications.

FEATURES

High-Res Image Reproduction

◆ Native XGA (1024 x 768) resolution, plus they can display resized (compressed) SXGA (1280 x 1024) signals, making it compatible with most laptop/notebook computers.

◆ Superb 2000:1 contrast provides clearer images of text and fine drawing. Also allows fine gradations of expression with photographs and other images.

◆ Compatible with progressive DVD and HDTV (480p, 576p, 720p, 1080i) signals as well as NTSC, NTSC 4.43, PAL, PAL-M, PAL-N and SECAM.

Easy Set Up

◆ Auto-Detect automatically identifies and projects RGB and video input sources.

◆ Automatically adjusts the phase, clock speed, and resolution of the RGB signal from the PC.

◆ Ultra short-throw lens makes it easier to set up when delivering presentations in cramped quarters. You'll have a large screen from a short distance.

◆ Set up is a breeze, thanks to the one-touch foot adjustment. Lets you easily adjust the projector's position using front foot adjuster.

Presentation Features

◆ Digital 2x zoom function projects the point you want to emphasize most on the screen, and allows greater control with a scrolling feature while zoomed in.

◆ Operating modes include Standard mode, which prioritizes brightness; Quick Color-Adjustment mode which emphasizes superior color reproduction; and Eco mode, which saves power consumption and also lengthens the lamp lifetime by 30%.

◆ On-screen user interface features simple pull-down menus for digital ±20° vertical keystone correction, zoom, smooth, mute, and freeze commands.

◆ On-screen timer displays remaining time on screen in 10-minute increments, and can be set for anywhere from 10 to 60 minutes

◆ Offers double security with password protection feature and security cable slot.

◆ Front ventilation keep exhaust air away from audience members sitting behind the projector, providing a distraction-free viewing environment.

◆ The fan has been suitably positioned within the projector to enhance noise reduction.

Conveniences

◆ They include a credit-card sized remote control that also gives you remote mouse control. (All except the U5-632H requires the VR-100 Remote Mouse Set).

◆ Projectors can be set to require the input of password at startup.

◆ Security slot accommodates use of third party anti-theft cables. The cable attaches to a desk or other fixed object, and the lock fits snugly into the security slot.

◆ All except the U5-512H feature a built-in RS-232 serial port. This connection allows the projectors to be controlled from an external device or computer.

U5-632H Only

◆ The U5-632H features a Bright Mode (monochrome) option, that is selected from the setup menu, and is for high brightness monochrome projection. Useful for detailed text and projection onto blackboards.

◆ The U5-632H's remote can be connected to your PC with a mouse cable, and can control the computer's cursor. The remote also doubles as a laser pointer.

U7-132 • U7-132H • U7-137

Portable 3000 & 3500 Lumen XGA DLP Projectors

With the U7 Series of DLP projectors, PLUS has raised the performance bar once again for portable projector technology. Consisting of the U7-132 (3000 lumens), U7-132н (3500 lumens) and the U7-137 (3500 lumens), they feature XGA resolution, 2000:1 contrast ratio, component, composite and S-Video input, and incorporate PLUS's Advanced Color Wheel (ACW) which enhances color reproduction. They support HDTV (480p, 576p 780p and 1080i) signals, and each include two data inputs, both DVI and RGB ports. Each also comes standard with an output port for RGB, YCbCr, and YPbPr.

They include RS-232 controls; manual and digital zoom; "Eco-Mode", which saves lamp hours; an on-screen presentation timer to ensure presentations stay on track; keystone correction; freeze frame; and password protection.

Weighing under 7 lbs. they are deal for people on the go, as well as for use in the boardroom, conference room or classroom.

The top-of-the-line U7-137 steps-up with leading-edge features including wireless LAN technologies to enable wireless presentations, wired network capability, CompactFlash card memory slot, and USB memory slot.

Step-up features from the U5-732н (previous page)

◆ The top of the U7 projector body is equipped with an easy access lamp retraction port that makes it simple to change the lamp on the projector without taking it down from the ceiling or turning the projector over. The projectors also come with a sleek terminal cover that hides cable termination.

◆ They include a credit-card sized remote control that also gives you remote mouse control and has a built-in laser pointer

◆ Two simultaneous data input terminals, and a second monitor output.

U7-137 Only

◆ The standard CompactFlash card wireless LAN module eliminates the hassle with connecting cables. The wireless functionality allows several presenters to use the projector and give their presentations in sequence — all from different computers, without changing seats or swapping cables. You can switch control of the projector merely by using the Wireless Presenter software that is included with the U7-137. As a security measure, the U7-137 can also receive encrypted data using WEP standard wireless LAN encryption.

◆ Built-in CompactFlash and USB ports allows you to save images and PowerPoint presentations to be uploaded directly to the projector; so that you can present without a PC. The CompactFlash slot enables you to project data and images saved on PLUS's M-10 series electronic whiteboards directly from the U7-137, so you can immediately share written information with a larger audience or group.

◆ With built-in network functionality, the U7-137 can receive high speed network content directly. Additionally, the projector can be controlled by any PC connected to the network. Basic projector operations — like power off and on, projector status, and current lamp status — can be performed remotely using Internet Explore or another web browser, making this a great tool for any IT team responsible for maintenance and support of digital projectors.

SPECIFICATIONS AND ACCESSORIES

	U5-512H	U5-532H	U5-632H	U5-732H	U7-132	U7-132H	U7-137
Native Resolution	SVGA (800 x 600)	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)
Brightness	2000 lumens	2000 lumens	2300 lumens	2500 lumens	3000 lumens	3500 lumens	3500 lumens
Contrast Ratio	2000:1	2000:1	2000:1	2000:1	2000:1	2000:1	2000:1
Aspect Ratio	4:3, supports 16:9	4:3, supports 16:9	4:3, supports 16:9	4:3, supports 16:9	4:3, supports 16:9	4:3, supports 16:9	4:3, supports 16:9
Projection Lens	F2.6-2.9, f=20-24mm	F2.6-2.9, f=20-24mm	F2.6-2.9, f=18.4-22.1mm	F2.6-2.9, f=26.5-31.8mm	F2.4-2.6, f=26.5-31.8mm	F2.4-2.6, f=26.5-31.8mm	F2.4-2.6, f=26.5-31.8mm
Focus/Zoom Adjusting	1:1.2 Manual zoom, Manual focus	1:1.2 Manual zoom, Manual focus	1:1.2 Manual zoom, Manual focus	1:1.2 Manual zoom, Manual focus	1:1.2 Manual zoom, Manual focus	1:1.2 Manual zoom, Manual focus	1:1.2 Manual zoom, Manual focus
Lamp	200w, 2000 hr. life	200w, 2000 hr. life	200w, 2000 hr. life	200w, 2000 hr. life	300w, 2000 hr. life	300w, 2000 hr. life	300w, 2000 hr. life
Projection Distance	3.9-36.4'	3.9-36.4'	3.9-26.3'	3.9-37.7'	3.9-37.7'	3.9-37.7'	3.9-37.7'
Image Size	28"-300" diagonal	28"-300" diagonal	38"-300" diagonal	27"-300" diagonal	27"-300" diagonal	27"-300" diagonal	27"-300" diagonal
Horizontal Range	15-80 kHz	15-80 kHz	15-80 kHz	15-80 kHz	15-80 kHz	15-80 kHz	15-80 kHz
Vertical Range	50-85 kHz	50-85 kHz	50-85 kHz	50-85 kHz	50-85 kHz	50-85 kHz	50-85 kHz
Audio	Mono 0.8-watt	Mono 0.8-watt	Mono 0.8-watt	Mono 0.8-watt	Mono 0.5-watt	Mono 0.5-watt	Mono 0.5-watt
Dimensions (HWL)	2.6 x 8.5 x 9.5"	2.6 x 8.5 x 9.5"	2.4 x 8.5 x 9.9"	2.4 x 8.5 x 10.2"	3.3 x 10.2 x 12.6"	3.3 x 10.2 x 12.6"	3.3 x 10.2 x 12.6"
Weight	4.4 lbs.	4.2 lbs.	4.4 lbs.	4.6 lbs.	6.6 lbs.	6.8 lbs.	6.8 lbs.

V-332, V-339, U4, U5 and U7 Series Projector Accessories

Replacement Lamp
For U7 *(PLLU7)*, U5 *(PLLU5132)*, U4 *(PLLU4)*, and V-332/V-339 *(PLLV332)* projectors **348.95**

Mounting Bracket *(PLU7MB)*
For U7 *(PLU7MB)*, U5 *(PLU5MB)*, U4 *(PLU4MB)*, and V-332/V-339 *(PLVMB)* projectors. Also available for the U7 in silver *(PLU7MBS)* **74.95**

Standard Upper Assembly
Mount your projector to a straight or angled wall, or to your ceiling. The Standard Upper Assembly attaches directly to the mounting bracket, adjusts from 9.5" to 12.5", and has an exclusive "Gyrolock" swivel mount. It features a roll and pitch greater than ±20° from center, 360° yaw, and a quick release with positive security lock. Available in black *(PLSUA)* or silver *(PLSUAS)* finish **132.95**

Pipe Upper Assembly *(PLPUAA)*
Featuring the same exclusive Gyrolock swivel mount technology as above, the Pipe Upper Assembly Adapter attaches directly to the mounting bracket. You can also connect it to an Adjustable Suspension Adapter or standard 1.5" threaded pipe for use as an extended ceiling mount **132.95**

Adjustable Suspension Adapter *(PLASA)*
Adjust your ceiling mounted projector with a compensation of 24" to 46". Includes standard 6 x 6" ceiling mounting plate. Mount your projector to the Suspension Adapter with the Pipe Upper Assembly **148.95**

Adjustable-Height Slide Suspension Adapter *(PLAHSSA)*
Extends the drop distance to between 26" and 47". Crafted of heavy-gauge steel, this adapter ensures a solid hold at any height..............**99.95**

Rolling Hard Case *(PLHCU21200)*
Accommodates your projector and laptop computer, and features a 1/2" high-density bottom foam pad, a high-density foam upper lid and a padded cloth covered ring. It has 4" ball-bearing soft tread wheels, a 43" extension handle, a combination lock and a side strap handle. Fits under most airline seats **248.95**

Soft Sided Standard Rolling Case *(PLSSSRC)*
A semi-rigid, padded case with inline skate wheels, an extension handle, and padded shoulder straps that transports your projector and laptop computer. Stows under an airline seat or in an overhead compartment.....**168.95**

AirProjector Wireless Adapter *(PLAPWPS)*
An easy-to-install wireless system that makes controlling your presentations simple. Improve your effectiveness and productivity by connecting multiple computers to a single projector. AirProjector features 54 Mbps high speed data transfer, IEEE 802.11b/g compatibility and supports up to SXGA resolutions. 3.1 x 1.2 x 4.7" (WHD) **398.95**

Hi-Security AirProjector *(PLAPWPSHS)*
Identical to the above AirProjector with the addition of Cisco LEAP security support, which provides username/password-based authentication between a wireless client and a RADIUS server **539.95**

Zen Z2 RF Remote with Mouse Control and Laser Pointer *(PLRCZENZ2)*
Works with all computers and Plus projectors. The Zen Z2 gives you complete control over all presentations and mouse functions up to 50' away. The integrated laser pointer and USB-enabled media keep you in front of your audience. Just plug the included USB receiver into your laptop and you're ready to go. Fully plug-and-play, no reboot necessary **98.95**

SANYO

PLV-Z1

Ultra-Portable 700 Lumens Home Theater Projector

Stylishly designed to match most decors, the PLV-Z1 puts true home theater enjoyment within your reach. High definition (964 x 544) resolution panels make it the perfect match for home theater viewing of 16:9 widescreen DVD movies (480i, 480p) and HDTV (720p, 1080i) programs. For HD sources, the 1/4 HD resolution panels provide better scaling and improved image quality.

With high quality projection and 700 ANSI lumens you are assured of rich and lifelike images even at 200" diagonal. Features a D-Sub 15-pin input for connection to a computer, and horizontal/vertical Digital Keystone Correction. Using a short focal length lens also offers more flexible setup options and the user-friendly design keeps it all easy to operate.

FEATURES

HD 16:9 Wide Screen

◆ The wide display panel fully demonstrates the best qualities that DVD software can provide and projects it over the entire large screen. The LCD panel's exceptionally high definition of 1.57 million effective pixels is virtually half of the HDTV signal resolution.

◆ Optimize screen brightness to suit the input source and viewing preferences. Bright mode for movie enjoyment in a living room and Theater Black mode for a home theater environment in low-light conditions.

High Image Quality

◆ Extremely high 800:1 contrast produces an extraordinarily sharp and vivid reproduction from the brilliant pure white of snow to the true black of total darkness.

◆ Part of the lamp output is dedicated to color reproduction, allowing only red, blue and green primary colors to be projected and eliminating RGB mixed light portions.

◆ 3D digital color uniformity correction circuit divides the LCD panel into 825 (33 x 25) sectors. The uneven characteristic of liquid crystal light transmission is individually corrected for each sector. This process is performed precisely in three gradations of dark, normal and light for each R, G and B panel to result in a stable and uniform projection of images that are free from uneven color artifacts.

Easy and Fast Setup

◆ Vertical/horizontal lens shift function allows you to precisely adjust projection screen position by simply turning the dial specially shaped for fine adjustment. The projected image stays distortion-free and without any quality degradation.

◆ Color temperatures can be adjusted in four steps depending on program source to maximize viewing pleasure.

◆ The built-in short focal length lens allows the picture to be projected on a 100" screen measuring 2.2m wide and 1.2m high that can be positioned as close as 10'.

◆ Equipped with component, composite and S-Video inputs to take advantage of multimedia sources. In addition, a mini D-Sub 15-pin terminal allows an analog RGB signal from a computer to be input.

◆ Digital Keystone Correction (±20° vertical adjustment) is very useful when the projector is positioned so that adjustment with the vertical shift range can't compensate.

◆ Convenient for fine adjustments, the 1.2x zoom/focus helps achieve optimal viewing conditions.

◆ Supplied illuminated multi-function remote control offers one-touch selection of the input signal, image mode and screen mode, eliminating annoying menu selections.

High Performance

◆ Auto Flesh Tone circuit automatically detects and extracts the flesh color portion (including approximate colors) from the projection source images. Flesh color therefore appears more natural while there is no interference with other color portions.

◆ When the Auto Grayscale circuit is activated, contrast automatically adjusts to best suit the input source, improving gradations and producing pictures that are sharper as well as more solid.

◆ Controllable 10-bit digital gamma correction: Standard mode offers the flattest characteristics; Cinema mode is optimized for movies; and Real mode for graphics. In addition, four remote controllable user-settable gamma correction preset modes to suit viewing preferences and screen conditions.

Conveniences

◆ The projector's smooth curves and attractive design suit any interior decor. A sliding door protects the lens when the projector is not in use. The black body color suppresses light reflections during projection.

◆ Achieve a noise level of 28dBA, the lowest in its class using fan rotation linear control technology. The fan speed is automatically controlled by a built-in sensor which monitors the ambient temperature.

SANYO

PLV-Z2

800 Lumens Home Theater Projector

There was a time when owning a home theater projector meant sacrificing image quality for screen size. Not any more. With the PLV-Z3, movies are sharper, bolder, and more realistic. It delivers accurate color, superb contrast, and uniform brightness across an entire 100" 16:9 screen. TopazReal technology — real 10-bit digital image processing, electronic lens iris, and React Image mode — enables higher-definition projection of all video formats. Now you can experience DVDs and HDTV with the overwhelming wide-screen impact they deserve.

FEATURES

High Quality

◆ Three wide, 0.7", 1280 x 720 LCD panels enables artifact-free, wide-screen projection up to 100" even in small rooms.

◆ Achieve a remarkable 2000:1 contrast ratio. Sanyo's original Dimmer and lens diaphragm measures screen brightness and automatically determines the appropriate volume of light for the lamp. No more glaring whites or murky, undifferentiated blacks.

◆ Advanced Mode provides a range of adjustments: RGB gain; gamma correction; offset adjustment; lens iris adjustment; outline correction; black level extension; and adjustment of the restoration rate of the direct-current.

◆ Color temperature can be adjusted in five steps, depending on source, to maximize viewing pleasure. Adjustable white balance to match your viewing requirements.

Easy Setup

◆ Short throw lens with its 1.3x optical zoom affords large-screen viewing in small rooms. The zoom lens projects images onto a 100" screen from a throw distance of 10- to 12'.

◆ The vertical and horizontal lens shift (physical repositioning of the lens itself) allows you to adjust the screen projection easily, without having to move the projector.

– The adjusted image suffers no visible deterioration, even when shifted up to ±100% vertically or ±50% horizontally. Even if the set-up location isn't quite right, the projected image will remain intact.

– Provides the flexibility to set up the projector in line with room conditions – hang it from the wall, ceiling, or put on a shelf.

◆ Digital ±20° vertical keystone correction for situations where vertical or horizontal lens shift alone isn't enough.

Conveniences

◆ Seven one-touch pre-sets are available to optimize color, brightness, contrast levels for a particular viewing need:

— Creative Cinema Mode: emphasizes the sense of contrast, as well as any 3-D effects.

— Natural Mode: offers faithful reproduction of the input signal.

— Video Mode: is best suited to projecting sports or dramas from TV.

— Dynamic Mode: enables projection in bright rooms.

— Powerful Mode: provides projection with a sharp, powerful picture tone.

— Graphics Mode: ideal for projecting graphic images from games or computers.

◆ Intelligent fan control system adjusts the revolving speed of the cooling fan in line with changes in ambient temperature. This results in exceptionally low noise of 23dBA.

◆ Equipped with an HDMI (High Definition Multimedia Interface) terminal, as well as two other sets of component inputs.

◆ Drop-down panel protects the lens and gives the projector a sleek, minimalist profile. So, when it's not in use, the PLV-Z3 blends in seamlessly with its surroundings.

◆ 'My Screen' function lets you capture a projected image and use it as a startup or default screen. You can also project the image whenever you want by using the 'My Screen' button on the remote control.

◆ Includes illuminated multi-function remote control.

TopazReal for Enhanced Video Projection

◆ Under the TopazReal banner, Sanyo brings together three technologies that improve video signal processing, enable fine-tuned lens iris adjustment, and provide total control of lamp light volume. It ensures higher-definition projection of all video formats.

◆ With 1024 gradations for each of the RGB channels, the PLV-Z3 delivers four times more color gradations than conventional projectors. Achieve beautiful projection and impressive color precision with approximately 1.07 billion colors.

◆ Via remote control, you can precisely adjust the contrast from 100% to 60% in 64 steps. The lens iris contracts and dilates smoothly, without noticeable jumpiness.

◆ The PLV-Z3 analyzes the average picture level (APL), and controls the lamp automatically. Choose between Bright, React Image 1, React Image 2, and Theater Black modes. React Image 2 provides a heightened sense of image contrast, while also reducing noise.

SANYO

PLV-Z4

1000 Lumens Home Theater Projector

The PLV-Z4 is arguably the most feature-rich home theater projector ever produced in this price class. With 1000 lumens of brightness, a 7000:1 contrast ratio, HDMI connection, and variable twin IRIS system - it will produce an amazing movie theater feeling that has to be sees to be believed. It can be calibrated to accommodate a wide range of room and viewing environments. Long 2x zoom range allows a 100" 16:9 image to be displayed anywhere between a 9.8' and 20' throw distance. This combined with the lens shift capability makes the Z4 adaptable to a wide variety of installation challenges. Also offers six precalibrated color temperature settings, six preprogrammed operating modes and four memories for user-programmable custom settings. An on-board color management system allows selection and modification of individual colors on screen.

FEATURES

Incredible Image Quality

◆ The circuitry that determines image quality - such as the video decoder, scaler and gamma curve generator - all use 12-bit digital processing. The result is reproduction of deeper, richer images. And with improved calculating precision, the Z4 renders even tiny nuances in expressive detail.

◆ Twin-iris system integrating a lens aperture and lamp aperture delivers true-to-life images with outstanding gradation in a variety of viewing environments. Also, the synergetic effect of a mechanism that varies lamp brightness with a newly designed LCD panel achieves contrast as high as 7000:1.

– Lens Iris: The motor-driven aperture optically adjusts the contrast, and makes the setting automatically according to the image mode selection. Or, you can use the remote control to precisely adjust the contrast from 100% to 60%, in 64 steps.

– Lamp Iris: By analyzing the brightness of the scene and using the information to control the lamp, this advanced function both brightens the image and emphasizes the feeling of contrast.

◆ You can adjust and save the level, hue and gamma curve of any color. Fine-tuning the image settings this way lets you compensate for the specific conditions in each viewing environment.

Flexible Setup

◆ Horizontal (±50%) and vertical lens shift (±150%) function, using two small wheels on the side of the projector, allows you to adjust the screen projection easily, without having to move the actual projector body.

◆ With its 2x optical zoom, the PLV-Z4 projects images onto a 100" screen from a throw distance of 3 to 6.1 meters.

◆ Digital vertical keystone correction of up to ±20% for situations where vertical or horizontal lens shift alone isn't enough.

◆ Seven one-touch presets to optimize color, brightness, and contrast levels. Select the mode suited for a particular viewing need.

– Creative Cinema Mode: Emphasizes the sense of contrast, as well as any 3D effects.

– Pure Cinema Mode: Reduces excess gradation contrast, for a rich and smoothly graded picture tone.

– Natural Mode: Offers faithful reproduction of the input signal.

– Living Mode: Best suited to projecting sports or dramas from TV.

– Dynamic: Enables projection in bright rooms.

– Powerful Mode: Provides projection with a sharp, powerful picture tone.

– Vivid Mode: For viewing images with expansion of the sense of contrast to a maximum extent.

High Performance

◆ The shutter can be opened or closed automatically by remote control. This means you will no longer have to manually attach or remove the lens cap when the projector is mounted on the ceiling or in a high location that is difficult to reach. The shutter also protects the lens from dust.

◆ The Advanced Mode provides a range of adjustments to match your viewing requirements including RGB gain, RGB gamma, RGB offset adjustment, lens iris adjustment, outline compensation, black level expansion, and contrast enhancement.

— Gain, gamma and offset can be controlled separately for each of the RGB colors to attain more subtle color reproduction. This allows you to find settings that more closely match your own preference.

— The signals that form image outlines can be compensated in four steps (OFF/L1/L2/L3).

— Black Level expansion gives a crisper appearance to blacks in bright areas. It can be set in four steps (OFF/L1/L2/L3).

— The contrast in bright scenes can also be adjusted in 4 steps (OFF/L1/L2/L3).

◆ Equipped with an HDMI (High Definition Multimedia Interface) terminal and two other sets of component inputs (including component 3-pin terminals) to expand your viewing options.
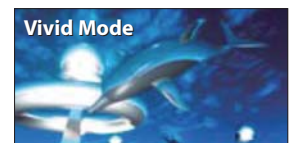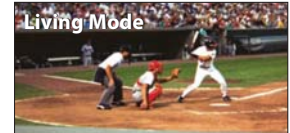
SANYO

PLV-Z4

Conveniences

◆ Choose the projection mode from a total of eight modes (full, full through, zoom, superimpose, normal, normal through, wide 1 and wide 2).

◆ All major operations are displayed in a list, with a handy operating guide shown at the bottom of the menu.

◆ "My Screen" function lets you easily capture an image, such as an original logo, and project it onto the screen as a startup screen.

◆ Naturally, you want a product whose style enhances your room decor. And you don't want to be limited in your choice of installation locations. The attractive PLV-Z4 looks good in any room and can be placed just about anywhere.

◆ Redesigned internal structure and maximized cooling efficiency achieve super-quiet performance. In Normal mode, it operates at a quiet 26 dB. By controlling the fan's RPM and using Eco mode, operating noise is reduced to 22 dB.

◆ A motor-driven front panel opens to expose the lens during operation, and automatically closes when the unit is powered down. Over time, this minimizes the amount of dust that can settle on the lens.

◆ Incorporates a user-cleaning system to remove dust particles that may settle on the LCD panels. There are three small holes in the bottom of the case that remain closed during normal usage. They can be opened to insert the nozzle of a manual squeeze-blower (included with the projector).

◆ When the PLV-Z4 doesn't detect a signal on the active port for a period of five minutes, it automatically shuts down the lamp and closes the lens housing. For those who tend to leave the room and forget to power down the unit, this saves many hours of wasted lamp life.

◆ Supplied illuminated multifunction remote ensures easy operation, even in the dark.

Seven One-Touch Preset Modes

The PLV-Z4 provides seven one-touch presets to optimize color, brightness and contrast levels. Simply select the mode best suited to your particular viewing needs.

Creative Cinema Mode

Pure Cinema Mode

Natural Mode

Living Mode

Dynamic Mode

Powerful Mode

Vivid Mode

	PLV-Z1	PLV-Z2	PLV-Z4
LCD Panel System	Three 0.7" TFT active matrix type panels	Three 0.7" TFT active matrix type panels	Three 0.7" TFT active matrix type panels
Optical System	Dichroic mirror separation/prism	Dichroic mirror separation/prism	Dichroic mirror separation/prism
Panel Resolution	964 x 544	1280 x 720	1280 x 720
Number of Pixels	1,573,248 (524,416 x3)	2,764,800 (921,600 x3)	2,764,800 (921,600 x3)
Projection Lens	F2.03 - F2.34, f=21.2-25.4mm, 1x to 1.2x manual zoom and focus	F2.04 - F2.54, f=21.5-27.7mm, 1x to 1.3x manual zoom and focus	F2.0 - F3.0, f=21.3-42.6mm, 1x to 2x manual zoom and focus
Projection Lamp	130w UHP lamp	135w UHP lamp	145w UHP lamp
Aspect Ratio	16:9, Widescreen	16:9, Widescreen	16:9, Widescreen
Contrast Ratio	800:1	1300:1	7000:1
Screen Size	Adjustable from 30 - 200"	Adjustable from 31 - 200"	Adjustable from 40 - 300"
Picture Brightness	700 ANSI lumens	800 ANSI lumens	1000 ANSI lumens
Horizontal Frequency	15-80kHz	15-80kHz	15-80kHz
Vertical Frequency	50-100Hz	50-100Hz	50-100Hz
Color Systems	PAL, SECAM, NTSC, NTSC 4.43, PAL-M, PAL-N	PAL, SECAM, NTSC, NTSC 4.43, PAL-M, PAL-N	PAL, SECAM, NTSC, NTSC 4.43, PAL-M, PAL-N
Dimensions (WHD)	13.1 x 4.3 x 9.7"	14.1 x 4.6 x 10.8"	15 x 5 x 12"
Weight	7.5 lbs.	9 lbs.	11 lbs.
Standard Accessories	AC power cord, Wireless Remote control, Video cable	AC power cord, Wireless Remote control, Video cable	AC power cord, Wireless Remote control, Video cable

Projector Accessories

Replacement Lamp *(SALPLVZ1)*: For the PLV-Z1 projector...**287.50**

Replacement Lamp *(SALPLVZ2)*: For the PLV-Z2 projector...**284.95**

Replacement Lamp *(SALPLVZ4)*: For the PLV-Z4 projector...**296.50**

SANYO

PLV-70 • PLV-80

2200 & 3000 Lumens Home Theater Projectors

Experience a dynamic, realistic picture that surpasses movie theater quality. Right in your living room. Sanyo digital technology brings you a brilliant 2200 or 3000 lumens picture even in a room that's not dark on a monster 16:9 wide screen. Plus they offer HDTV format-compatible progressive circuitry with motion, and PureCinema 2-3 pull-down film detection for image enhancement and color management circuitry for more precise color adjustment and memory. Also, with the optional PJ-Net Organizer, other projectors can be managed on a network, transforming the PLV-70 and PLV-80 into ideal business tools for the office or boardroom.

FEATURES

High Quality Viewing

◆ They are equipped with 3 wide 1366 x 768 pixel LCD panels to ensure high-resolution real XGA image quality on a wide screen. This brings you closer to a genuine movie theater experience in your own home.

◆ Intelligent digital sharpness control analyzes image signal components and the most suitable sharpness is set automatically.

◆ Sanyo IC permits smooth progressive conversion without jaggies. With correspondence to 2-3 pull-down, movie sources are projected with high picture quality. In addition, progressive conversion is possible for 1080i, so HDTV is projected with even higher picture quality.

◆ Luminance noise and chrominance noise in the video signal are filtered out by the 3D Digital NR to ensure finer on-screen colors without flicker.

◆ Automatic gamma adjustment judges the brightness of the image and automatically sets the most suitable gamma value. It reproduces a picture without too bright white parts or squashed black.

Ultra Bright & High Contrast

◆ Whether for home theater or professional events, they deliver the brightness for big-screen enjoyment. The PLV-70 has a 200w UHP lamp, while the PLV-80 has a 300 NSH lamp. The brightness of each pixel is enhanced by a built-in microlens. The result is brightness of 2200 (PLV-70) or 3000 (PLV-80) lumens. Two units can be stacked together for a combined total of 4400 or 6000 lumens.

◆ High-contrast optical system compensates for polarized scattering as the light passes through the LCD panels and increases black contrast to achieve an on-screen contrast ratio of 900:1 (PLV-70) and 1000:1 (PLV-80).

Color Management

◆ Color management function allows adjustment of any color (hue, chroma, gamma value). For the color to be corrected, a narrow hue range can be specified. As the correction is reflected in real time, true color reproduction with high accuracy and effective color correction or stressing matching the scene can be done.

Easy Set-Up

◆ Vertical ±40° keystone correction and ±10° horizontal keystone correction lets you project correct-looking images even if the projector isn't directly in front of the screen.

◆ Compatible with progressive DVD and HDTV (480i, 480p, 576p, 720p, 1080i) signals as well as NTSC, NTSC 4.43, PAL, PAL-M, PAL-N and SECAM.

◆ Equipped with DVI 24-pin terminal for connecting DVI output from the computer.

◆ Up/Down motor driven lens shift makes it easy to center the picture on the screen without raising the projector body. It also simplifies setup if two projectors are stacked for simultaneous use.

◆ 10-bit digital gamma correction control offers fine gradation adjustment to achieve a perfect match for the projected image.

◆ Incoming computer signals are recognized and best adjustment is is automatically set by Auto PC Adjustment.

◆ Gamma value can be adjusted automatically in accordance with the luminance of the screen. Images that are too dark or too bright can be adjusted to the optimum level, so that these images can be reproduced without any distortion.

◆ Digital Sharpness Control function controls sharpness automatically in accordance with the images on the screen.

Digital Realized Interpolation Technology (DRIT)
Providing superior digital resizing, this proprietary technology digitally reconstructs an image by either compressing or expanding it. The principal result is the elegant compression of a higher resolution rate or the visually accurate expansion of a lower resolution rate to match the native resolution of the projector.

PLV-70 • PLV-80

Conveniences

◆ Freeze frame, no show and other useful features for presentations

◆ Rear or ceiling mounted projection

◆ Built-in stereo amp and speakers (2W+2W)

◆ The accessory remote control has self-illuminated/light-storing buttons for easy operation in dark locations.

◆ Digital Zoom (for computer) lets you adjust image size from approximately 1/4 ~ 49x of original image, allowing you to focus on crucial information at a presentation.

◆ Linear control of fan rotation greatly reduces audible operating noise. The fan control system is linked to a sensor that constantly monitors the internal temperature of the projector, and fan speed is adjusted to eliminate noisy bursts of fan activity and reduce the noise level to just 35dBA.

◆ When they don't detect a signal on the active port for a period of five minutes, they automatically shuts down the lamp.

◆ Selectable 11-language on-screen menu (English, German, French, Italian, Spanish, Portugese, Dutch, Swedish, Korean, Chinese and Japanese)

◆ Powered 1:1.3 zoom lens projects on screens from 30" to 400"

◆ To create a smoother, more professional presentation, logo and images files may be captured for display during the projector's countdown sequence at start-up.

PJ-Net Organizer (SAPOAPN01A)

The optional PJ-Net Organizer provides complete projector control and administration via an ethernet LAN connection. Functions such as power status, lamp status, input mode, signal condition, lamp use time, etc. can be monitored using a web browser. When abnormalties such as lamp or power failure occur, an e-mail alert can be sent to you, while an automatic timer function can turn on or off a series of projectors at a specified day, date and time. With multi-control, a single computer can control and setup multiple projectors at the same time......................**369.95**

	PLV-70	PLV-80
Native Resolution	Wide XGA (1366 x 768)	Wide XGA (1366 x 768)
Display Technology	LCD 1.2" Polysilicon Active Matrix TFT x3	LCD 1.2" Polysilicon Active Matrix TFT x3 with Micro
Input Sources	RGB (15-pin D-sub, DVI-D), video (S-Video, Composite, Component), audio (RCA, 3.5mm)	RGB (15-pin D-sub, DVI-I), video (S-Video, Composite, Component), audio (RCA, 3.5mm)
Output Terminals	9-pin D-sub, RS-232C	9-pin D-sub, RS-232C, Ethernet
Computer Compatibility	VGA, SVGA, XGA, SXGA, UXGA, Macintosh	
Video Compatibility	NTSC, PAL, PAL M, N, SECAM, NTSC4.43, HDTV, DTV (1080i, 576i,480p, 720p)	
Max ANSI Lumens	2,200 ANSI lumens	3,000 ANSI lumens
Contrast Ratio	900:1	1000:1
Projection Lens (std.)	1.3:1 Zoom with powered focus & zoom	1.3:1 Zoom with powered focus & zoom
Throw Ratio	1.75:1 – 2.3:1	1.75:1 – 2.3:1
Projection Distance	4.9' to 51.2'	4.6' to 51.2'
Image Size (Diagonal)	30" – 400"	28" – 400"
Lamp (Bulb)	200W UHP	300W UHP
Bulb Life Expectancy	2,000 hours	2,000 hours
Aspect Ratio	16:9 Full Screen	16:9 Full Screen
Screen Projection	Front and Rear	Front and Rear
Ceiling Mountable	Yes	Yes
Keystone Correction	±40° vertical correction	±40° vertical correction
Built-in Speaker (audio)	2X 2 Watt Stereo	2X 2 Watt Stereo
Controls	Wireless Remote, 8-pin Mini Din for RS-232C, Wired Remote Control	Wireless Remote, 8-pin Mini Din for RS-232C, Wired Remote Control
Dimensions (HLW)	6.6 x 16.9 x 12.6"	6.6 x 16.9 x 12.6"
Weight	17.4 lbs.	17.4 lbs.

Projector Accessories

Replacement Lamp (SALPLCXP40L)
For the PLV-70 projector...........................**399.95**

Replacement Lamp (SALPLV80)
For the PLV-80 projectors.........................**395.95**

Heavy Duty Projector
Shipping Case (SAHCPLCXP30)...................**747.50**

On-Axis Short Fixed Lens (SALNSW32)
22.3mm f/2.5 fixed lens **2176.50**

Short Zoom Lens (SALNSW31A)
34-48mm f/2.5-3.1 zoom lens.................**1957.50**

Long Zoom Lens (SALNST31A)
64-112mm f/2.0-2.9 zoom lens **1979.95**

PLV-HD10

1920 x 1080 HDTV 3-Panel LCD Projector

The 5500 lumen PLV-HD10 (four high output 250 watt UHP lamps) combines many technologies to produce a true high definition 1920 x 1080 pixel projector. Weighing only 81 lbs., it has a custom 12-bit progressive scan integrated circuit including a super high speed, pipelined, parallel image processing chip that works with the source data to create a harmony of HD images for superb image quality and contrast. "Intelligent" sharpness processing removes overshoot and ringing on the digitizer video signal. Sanyo's color separation filters achieve sharp, clear color differences and separations that can be seen on-screen with high color fidelity. Select gamma processing and color balance from one of the pre-determined color modes to achieve the requirements of the source material. Plus, Sanyo's exclusive "Real Color Manager" lets a user become an expert colorist by creating a custom gamma and color correction table and then run it through a computer via the included software. One then simply compares the on-screen image to a printed chart.

The PLV-HD10 achieves an outstanding 1000:1 contrast ratio. A micro lens integrated in each pixel increases the light efficiency, resulting in significantly brighter images. Many Sanyo lenses can be used including quick change (easy mount) lenses and adapted older lenses. The projector has an Efficient Lamp Management System for balanced, fail-safe four lamp operation. Optional detachable interface panels (including network control/administrations) can be used in varying combinations to meet the source input needs of most any situation.

The PLV-HD10 uses Sanyo's most advanced video, optical and digital technologies to deliver precise, true HDTV 1080i projection.

◆ 3D AUCC (Automatic Uniformity Correction Control) circuit provides precise compensation at some 7,425 points for smooth, natural gradation. Compared with conventional systems, provides more than 10x the control over color problems caused by a lack of brightness conformity.

◆ To eliminate ghosts or after-images, crosstalk canceller reduces signal interference between the drive circuits on the liquid crystal panels. Line/dot inversion helps reduce the signal interference between pixels.

◆ Incorporates three 3-D digital circuits:

• 3-D digital progressive circuit provides interlace/progressive conversion of 1080i signals.

• A 3-D digital Y/C separation circuit helps boost resolution and reduce noise

• 3-D motion-adaptive digital noise reduction circuit reduces interference between pixels.

◆ 10-bit digital gamma correction control function provides smoother gradation characteristics by adjusting the gradation according to the input image.

◆ Progressive scan IC provides 12-bit processing of HDTV 1080i signals. Moving pictures are smooth and clear thanks to Sanyo's original motion adaptive line interpolation, which greatly improves jagged diagonal lines. Full 2-3 pulldown compatibility assures superior viewing quality from film sources.

◆ Equipped with Telecine Corrective I/P conversion technology, the PLV-HD10 detects when you input telecine images that have been converted from film to video, and faithfully reproduces the original frames. To boost detection accuracy, it evaluates the motion of each pixel and then uses the cumulative value to determine whether the image is telecine or conventional.

◆ Intelligent Sharpness Controller circuit uses gain-adaptive LTI (Luminance Transient Improvement), gain-adaptive CTI (Color Transient Improvement), and gain-adaptive edge emphasizing technologies to sharpen the detail in areas where the image signal is shallow, such as in ruled lines and in characters prone to generating bright lines. The result is clearer, sharper images from both RGB and video sources.

◆ High-quality I/P conversion technology reduces jaggedness in diagonal lines by adaptively complementing pixels according to a diagonal correlation value determined from 33 horizontal and 4 vertical pixels. The pixel area sampled is optimized to improve the correlation value and motion-detecting precision. This also improves jaggedness in lines that are nearly horizontal something that was difficult in the past.

SANYO

PLV-HD10

- ◆ Employs three 1.65" TFT polysilicon LCD panels (16:9 aspect ratio) with micro lenses. With 1,920 x 1,080 pixels in each panel, the PLV-HD10 can project native HDTV 1080i signals in full resolution.

- ◆ The PLV-HD10's optical system achieves outstanding 1,000:1 contrast. This means easy-to-see images with deep, rich blacks that deliver the full viewing power of cinema sources.

- ◆ Four 250-W UHP (1.35mm short arc) lamps combine to provide 5,500 lumens of brightness. You can also stack two PLV-HD10's for even more powerful projection with double the brightness – 11,000 lumens. Brightness uniformity exceeds 90%.

- ◆ Two brightness modes – high-brightness and economy – let you select the lighting mode that's best suited to the conditions and your application:
  In high-brightness mode all four lamps are turned on. Economy mode gives you half the brightness but twice the usable time.

- ◆ Includes a fail-safe function that automatically switches the mode if a lamp is accidentally turned off. It switches from four lamps to two, or from two lamps to one.

- ◆ Choose any of nine optional lenses, from short-throw to zoom magnification. The bayonet-mount system makes replacement easy: simply mount the lens in the supplied adapter and screw the adapter in place.

- ◆ The PLV-HD10 has four slots for accommodating interface boards, which allows the user to interchange any of supplied board with the desired optional board. The RS-232C input and cross-through output terminals are also provided for easy and flexible system configuration.

- ◆ Add the optional network board for more precise settings and remote operation than the control via the RS-232C interface.

- ◆ The PLV-HD10's power-driven lens shift (up/down and left/right) is especially effective for projection with two units stacked.

- ◆ Real Color Manager makes it easy to adjust white balance and gamma curve by comparing the projected images from the enclosed CD-ROM with the images on the enclosed photo sheet. Because you can view the image as you adjust the settings, it's easy to attain faithful color reproduction in almost any environment. Once settings are correct, you can store them on a PC and later retrieve them for easy set-up.

Interface Boards

With a total of six adapter boards, users can configure the projector to meet their own specific requirements.

5-BNC Board *(SAPOAMD16VD1)*: Has 5 BNCs for RGB and component video, RCA x 2 for left and right audio, and Min DIN 8-pin for control..**287.50**

5-BNC Board

DVI-I Board *(SAPOAMD11DVI)*: DVI with HDCP input board, RCA x 2 for left and right audio, and Min DIN 8-pin for control...**299.95**

DVI-I Board

Dual-SDI Board *(SAPOAMD17SDI)*: Standard and High Definition SDI board with 2 BNC inputs and one BNC output **3749.95**

Dual-SDI Board

Network Board *(SAPOAMD13NET)*: RJ-45 control board with a 9-pin input jack............**349.95**

Faroudja Video Processor

Faroudja Video Processor Board *(SAPOAMD09VD3)*: Processes all incoming video signals using three Faroudja video processing IC's as well as Sanyo's new IC for 3D Y/C separation. Jitter-free video performance, improved depth perception, automatic 3:2 pulldown, the elimination of objectionable staircase artifacts, and near-HD quality images are the result **1994.95**

Video Board *(SAPOAMD03VDQ)*: Detachable Audio/Video input board incorporates two composite (BNC) and S-Video inputs and L/R Audio (RCA x 2) inputs.........................**399.95**

OPTIONAL LENSES

Lens	LNS-W01Z	LNS-W02Z	LNS-W03	LNS-S02Z
Focal Length	45mm	52 - 68mm	30mm	76 – 98mm
Aperture	f/2.5	f/2.5-2.9	f/1.7-2.3	f/2.0 – 2.3
Aspect Ratio	1.5:1	1.8 – 2.3:1	1.0:1	2.6 – 3.3:1
Diameter	175mm	114mm	175mm	116mm
Zoom	Fixed	Powered (1.3x)	Fixed	Powered (1.3x)
Focus	Manual	Powered	Manual	Powered
B&H #	SALNSW01Z	SALNSW02Z	SALNSW03	SALNSS02Z
Price	$2398.50	$2,423.50	$3,131.95	$919.95

Lens	LNS-S03	LNS-M01Z	LNS-T01Z	LNS-T02	LNS-T03
Focal Length	97 – 131mm	125 – 162mm	253mm	158 – 221mm	224 - 325mm
Aperture	1.7 – 2.6	2.0 – 2.6	2	2.0 – 2.8	2.2 – 2.5
Aspect Ratio	3.3 – 4.5:1	4.5 – 5.8:1	8.9:1	5.6 – 8.0:1	8.1 – 11.6:1
Diameter	137mm	95mm	158mm	130mm	169mm
Zoom	Powered (1.3x)	Powered (1.3x)	Fixed	Powered (1.4x)	Manual
Focus	Powered	Powered	Manual	Powered	Manual
B&H #	SALNSS03	SALNSM01Z	SALNST01Z	SALNST02	SALNST03
Price	$1,664.50	$1,513.95	$2,329.95	$2,349.95	$9,499.95

SANYO

PLC-XU73

2000 Lumens XGA Ultra-Portable Multimedia Projector

Designed with the most advanced technology for portability, durability and ease-of-use, the PLC-XU73 features a short throw projection lens, a wide range of natural color saturation with true XGA resolution, and 2000 ANSI Lumens of brightness for crisp clear presentations.

Weighing only 5.3 lbs., the light output from this projector can either fill a big screen or light up a dark black board using Sanyo's unique Blackboard Mode. It offers a host of conveniences including a Countdown mode, PIN code lock function for security, quick termination, logo function, lamp control, presentation timer, a switchable interface terminal, and an operation menu that is available in 16 languages.

FEATURES

High Quality Viewing

◆ Employs three 0.6″ polysilicon thin-film transistor LCD panels for projection of true XGA (1024 x 768) resolution image.

◆ Uses a 200-watt UHP lamp for outstanding brightness and well-balanced color reproduction. The PLC-XU73 provides 2,000 lumens brightness.

◆ Sanyo's DRIT (Digital Realized Interpolation Technology) enhances projected images, even if input resolution differs from that of the LCD panels. Whether compressing SXGA or decompressing VGA signals, DRIT renders on-screen images with stunning fidelity.

◆ Proprietary progressive integrated circuit significantly improves the appearance of moving images. It incorporates 3:2 pulldown technology, which can effectively double the resolution of images from DVD playback.

◆ Luminance Transient Improvement (LTI) and Color Transient Improvement (CTI) sharpens the detail. The result is clearer, sharper images from both RGB and video sources.

◆ 3D Automatic Uniformity Correction Control circuit ensures a uniform projected image, balancing uneven color and brightness gradations for more natural image displays.

Flexible Setup

◆ Vertical keystone correction with a correction range up to ±20° is provided to compensate for keystone picture distortion.

◆ Select the appropriate gamma correction mode from among Standard, Cinema, Real (for graphics) and four user settings.

◆ Blackboard Mode lets you use a blackboard as a projection screen (green boards only). It adjusts white balance and gamma to project intelligible images that look similar to those projected on an ordinary white screen.

◆ Selectable start-up modes: Countdown mode ensures that the lamp has reached sufficient brightness before projecting; Immediate mode lets you project the image as soon as the power is turned on, even if optimum brightness has not been reached.

◆ Compatible with HDTV (480i, 480p, 576p, 720p, 1080i) signals as well as NTSC, NTSC 4.43, PAL, PAL-M, PAL-N and SECAM.

◆ In addition to its 1.2x optical zoom which can throw a crisp, bright 100" diagonal image from only 11.8′ away, the PCL-XU73 features a 1/2 to 16x digital zoom (for computer) that lets you easily enlarge or reduce the screen display size as desired.

High Performance

◆ Variable audio out allows the you to control the audio level right from the projector. This helps by ensuring the technical quality of the presentation and eliminating the fuss of separate outside audio controls.

◆ PIN code lock function prevents operation without inputting the correct PIN code. The key lock function, which is set from the operation menu, locks the operation of the top control and remote control buttons.

Conveniences

◆ Compact and lightweight (5.2 lbs.) design.

◆ No need to wait for the projector to cool down. You can disconnect the power cord right after your presentation.

◆ The intelligent fan operation with linear control system reduces cooling fan noise according to changes in temperature.

◆ Presentation Timer shows a running clock on the display screen.

◆ Selectable 16-language on-screen menu

◆ User Logo function for customizing a start-up screen using captured images or logos.

◆ No Show function lets you temporarily stop displaying the projected image, so the audience can focus on the presenter.

◆ 3-year parts and labor warranty (90 days on the lamp) includes Sanyo's Quick Repair Program where they pay the overnight freight charges (both directions) to have the projector repaired in 24-72 hours.

The PLC-XU73 offers excellent flexibility via a pair of D-Sub 15 input terminals. Using an optional adapter cable, it can accept component video signals. For greater flexibility one of the D-Sub 15 terminals can be switched from input to output and used to drive an external monitor or another projector.

PLC-XU48

3000 Lumens XGA Ultra-Portable Multimedia Projector

The PLC-XU48 is an ultra-compact, fully-portable high-resolution video projector. Not much larger than a laptop, it weigh less than 6 lbs. and delivers true XGA picture quality in a versatile, go-anywhere system. It can also be ceiling or inverse mounted for enhanced versatility. It features an f1.7-2.1 zoom lens with 16x digital zoom, progressive IC with 3-2 pulldown technology, dual D-sub 15 inputs, black board mode, PIN code lock for settings security, user-specified start-up screen, and variable audio out. Uses a 200-watt UHP lamp for outstanding brightness and well-balanced color reproduction. Sanyo's original Digital Realized Interpolation Technology (DRIT) enhances projected images, even if the resolution of the input signal differs from that of the LCD panels.

FEATURES

High Quality Viewing

◆ Employs three 0.79" polysilicon thin-film transistor LCD panels for projection of true XGA (1024 x 768) resolution image.

◆ The 200-watt UHP lamp delivers outstanding brightness of 3,000 lumens and well-balanced color reproduction.

◆ Sanyo's DRIT (Digital Realized Interpolation Technology) enhances projected images, even if input resolution differs from that of the LCD panels. Whether compressing SXGA or decompressing VGA signals, DRIT renders on-screen images with stunning fidelity.

◆ Proprietary progressive integrated circuit incorporates 3:2 pulldown technology, which can effectively double the resolution of images from DVD playback.

◆ 3D Automatic Uniformity Correction Control circuit ensures a uniform projected image, balancing uneven color and brightness gradations for more natural image displays.

Flexible Setup

◆ Vertical keystone correction with a correction range up to ±20° compensates for keystone picture distortion.

◆ Select the most appropriate gamma correction mode from among Standard, Cinema, Real (for graphics) and four user settings.

◆ Blackboard Mode lets you use a blackboard as a projection screen (green boards only). It adjusts white balance and gamma to project intelligible images that look similar to those projected on an ordinary white screen.

◆ Compatible with HDTV (480i, 480p, 576p, 720p, 1080i) signals as well as NTSC, NTSC 4.43, PAL, PAL-M, PAL-N and SECAM.

◆ In addition to its 1.2x optical zoom which can throw a crisp, bright 100" diagonal image from only 10.8′, the PLC-XU48 features a 1/2x to 16x digital zoom (for computer) that lets you easily enlarge or reduce the screen display size as desired.

High Performance

◆ Variable audio out allows the user to control the audio level right from the projector. This centralization of video and audio controls from the projector helps in educational applications by ensuring the technical quality of the presentation and eliminating the fuss of separate outside audio controls.

◆ PIN code lock function prevents operation without inputting the correct PIN code. The key lock function, which is set from the operation menu, locks the operation of the top control and remote control buttons.

Conveniences

◆ Compact design and lightweight (5.2 lbs.) lets you make presentations anywhere.

◆ In addition to Normal mode and Eco mode, Auto mode adjusts lamp brightness in response to the video signal to ensure high contrast for rich, deep blacks.

◆ The intelligent fan operation with linear control system reduces cooling fan noise according to changes in temperature.

◆ Presentation Timer shows a running clock on the display screen.

◆ Selectable 12-language on-screen menu

◆ User Logo function for customizing a start-up screen using captured images or logos.

◆ No Show function lets you temporarily stop displaying the projected image, so the audience can focus on the presenter.

The PLC-XU48 offers excellent flexibility via a pair of D-Sub 15 input terminals. Using an optional adapter cable, it can accept component video signals. For greater flexibility one of the D-Sub 15 terminals can be switched from input to output and used to drive an external monitor or another projector.

◆ 3-year parts and labor warranty (90 days on the lamp.) Also include Sanyo's Quick Repair Program where they pay the overnight freight charges (both directions) to have the projector repaired in 24-72 hours.

PLC-XU83 • PLC-XU86

Ultra-Portable 2000 & 2500 Lumens XGA Projectors

The PLC-XU83 (2000 lumens) and PLC-XU86 (2500 lumens) are powerful, feature-packed XGA resolution projectors. They create sharp, vivid images and superior color saturation. They offer complete portability with Power-Off and Go, allowing you to disconnect the power cord right after a presentation. They provide user tools including; freeze function, user logo's, and no show capability.

The PLC-XU83 and PLC-XU86 let you give PC-free presentations when used together with the optional USB memory. For even more flexibility, easy wireless connection (IEEE 802.11b/g) is made possible with the supplied USB wireless LAN adapter. Image data can be transferred from one PC to a projector, or from multiple PC's to a projector through a wireless access point. It also enables the projector remote to be used as a wireless mouse to control PC functions. Additionally, built-in control software allows for wireless control of projector functions by a PC using a web browser.

FEATURES

High Quality Viewing

◆ Employs three 0.7" polysilicon thin-film transistor LCD panels for projection of true XGA (1024 x 768) resolution image.

◆ They are equipped with a 200-watt UHP lamp for outstanding brightness and well-balanced color reproduction. The PLC-XU83 provides superb brightness of 2,000 lumens, the PCL-XU86 offers outstanding brightness of 2,500 lumens.

◆ The PLC-XU83 features a 400:1 contrast ratio, the PLC-UX86 has a 500:1 contrast ratio.

◆ Sanyo's DRIT (Digital Realized Interpolation Technology) enhances projected images, even if input resolution differs from that of the LCD panels. Whether compressing SXGA or decompressing VGA signals, DRIT renders on-screen images with stunning fidelity.

◆ Proprietary progressive integrated circuit significantly improves the appearance of moving images. It incorporates 3:2 pulldown technology, which can effectively double the resolution of images from DVD playback.

◆ 3D Automatic Uniformity Correction Control circuit ensures a uniform projected image, balancing uneven color and brightness gradations for more natural image displays.

Flexible Setup

◆ Vertical keystone correction with a correction range up to ±20°, compensates for keystone picture distortion.

◆ Select appropriate gamma correction mode from among Standard, Cinema, Real (for graphics) and four user settings.

◆ Blackboard Mode lets you use a green blackboard as a projection screen. It adjusts white balance and gamma to project intelligible images that look similar to those projected on an ordinary white screen.

◆ Compatible with HDTV (480i, 480p, 576p, 720p, 1080i) signals as well as NTSC, NTSC 4.43, PAL, PAL-M, PAL-N and SECAM.

◆ In addition to a 1.57x optical zoom which can throw a bright 100" diagonal image from only 10.8', they feature a 1/2x - 16x digital zoom (for computer) that lets you easily enlarge or reduce the screen display size as desired.

◆ The PLC-XU83/XU86 have two computer input terminals: DVI-I input and D-sub input. The D-sub terminal can be switched to a monitor out for the DVI-I input.

◆ Used with the optional USB memory, they give you PC-free presentations.

Conveniences

◆ Compact design and lightweight (5.2 lbs.) lets you make presentations anywhere.

◆ No need to wait for the projector to cool down. You can disconnect the power cord right after your presentation.

◆ The intelligent fan operation with linear control system reduces cooling fan noise according to changes in temperature.

◆ Presentation Timer shows a running clock on the display screen.

◆ Selectable 16-language on-screen menu

◆ User Logo function for customizing a start-up screen using captured images or logos.

◆ No Show function lets you temporarily stop displaying the projected image, so the audience's attention can be focused on the presenter rather than the screen.

◆ Security features include a PIN code lock, top panel control lock and remote control lock.

◆ Selectable start-up modes: Countdown mode ensures that the lamp has reached sufficient brightness before projecting; Immediate mode lets you project the image as soon as the power is turned on, even if optimum brightness has not been reached.

PLC-XU83 • PLC-XU86

Networking Capability

◆ Coming supplied with an RJ-45 ethernet port and USB wireless LAN adapter, the PLC-XU83/XU86 are ready for wireless and wired LAN connection to give you greater projection versatility.

◆ Connection settings for the projector and PC are made automatically. After the presentation, wireless settings are restored to their previous status. This works for both the Adhoc, where the data is sent directly from the PC to the projector, and the infrastructure mode, where the data is sent through an access point.

◆ With Multi-Control, a single computer can setup and control multiple projectors up to 64 units at the same time. With the Web Management feature, projector functions such as power status, lamp status, input mode, signal condition, and lamp-use time can be monitored through the network by using a web browser.

◆ Moderator function lets you choose which PC to use for projection when several PCs are connected to a projector. In a classroom, for instance, a teacher or presenter can select which of the students' PC images to project. It also prevents unauthorized or accidental projection.

◆ In real-time mode, the presenter has exclusive use of the projector. It also allows presenters to change smoothly because there is no need to re-connect cables.

◆ Handy for a meeting, one-shot transmission mode allows images from several PCs to be projected in turn.

◆ Capture a PC screen and transmit it to up to five projectors for multiple projection.

◆ With the E-Mail Alert feature, the PJ-Net organizer sends messages to registered E-Mail addresses when an abnormality, such as a lamp failure or power failure, occurs.

◆ To prevent unauthorized projection of data stored in your PCs or servers, they feature WEP/LEAP-compatible authentication.

◆ Operate the projector from your PC using PJ Controller software.

◆ You can operate the PC using the remote controller. Remote controllable functions include mouse (pointer) control, left click and right click.

	PLC-XU73	PLC-XU48	PLC-XU83	PLC-XU86
Native Resolution	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)
Display Technology	LCD 0.6" Polysilicon Active Matrix TFT x3	LCD 0.79" Polysilicon Active Matrix TFT x3	LCD 0.6" Polysilicon Active Matrix TFT x3	LCD 0.7" Polysilicon Active Matrix TFT x3
Input Sources	RGB (D-sub15), video (S-Video, RCA), audio (RCA, Mini)	RGB (D-sub15), video (S-Video, RCA), audio (RCA, Mini)	RGB (D-sub15), DVI, video (S-Video, RCA), audio (RCA, Mini)	RGB (D-sub15), DVI, video (S-Video, RCA), audio (RCA, Mini)
Output Terminals	D-sub 15, audio (stereo 3.5mm)	D-sub 15, audio (stereo 3.5mm)	D-sub 15, audio (3.5mm), Ethernet	D-sub 15, audio (3.5mm), Ethernet
Computer Compatibility	VGA, SVGA, XGA, SXGA, UXGA, Mac	VGA, SVGA, XGA, SXGA, UXGA, Mac	VGA, SVGA, XGA, SXGA, UXGA, Mac	VGA, SVGA, XGA, SXGA, UXGA, Mac
Video Compatibility	NTSC, PAL-N-M, NTSC4.43, SECAM	NTSC, PAL-N-M, NTSC4.43, SECAM	NTSC /4.43, PAL-N-M, SECAM, HDTV, (480i/p, 575i/p, 1080i)	NTSC /4.43, PAL-N-M, SECAM, HDTV, (480i/p, 575i/p, 1080i)
Max ANSI Lumens	2,000 ANSI lumens	3,000 ANSI lumens	2,000 ANSI lumens	2,500 ANSI lumens
Contrast Ratio	450:1	450:1	450:1	500:1
Projection Lens (std.)	1:1.2 Zoom with Manual Zoom/Focus	1:1.2 Zoom with Manual Zoom/Focus	1:1.57 Zoom with Manual Zoom/Focus	1:1.57 Zoom with Manual Zoom/Focus
Throw Ratio	1.77:1 – 2.17:1	1.6:1 – 2.0:1	1.6:1 – 2.0:1	1.6:1 – 2.0:1
Projection Distance	4.6' – 43.3"	4.3' – 32.8'	5.3' to 24.9'	5.3' to 24.9'
Image Size (Diagonal)	40" to 300"	33" to 300"	40" to 300"	40" to 300"
Lamp (Bulb)	200W UHP	200W UHP	200W UHP	200W UHP
Bulb Life Expectancy	2,000 hours	2,000 hours	2,000 hours	2,000 hours
Aspect Ratio	4:3 (standard)	4:3 (standard)	4:3 (standard)	4:3 (standard)
Screen Projection	Front and Rear	Front and Rear	Front and Rear	Front and Rear
Ceiling Mountable	Yes	Yes	Yes	Yes
Keystone Correction	±20° vertical	±20° vertical	±20° vertical	±20° vertical
Built-in Speaker (audio)	1 Watt Mono	1 Watt Mono	1 Watt Mono	1 Watt Mono
Controls	Wireless Remote, USB Type B, RS-232C	Wireless Remote, USB Type B, RS-232C	Wireless Remote, USB Type B, RS-232C, Ethernet	Wireless Remote, USB Type B, RS-232C, Ethernet
Power	100v - 240v; 250w	100v - 240v; 275w	100v - 240v; 275w	100v - 240v; 275w
Dimensions (HLW)	2.8 x 8.2 x 11.6"	2.8 x 8.4 x 11.7"	2.8 x 8.4 x 11.7"	2.8 x 8.4 x 11.7"
Weight	5.3 lbs.	6.0 lbs.	5.7 lbs.	5.7 lbs.

PLC-XU73/48/83/86 Accessories

Replacement Lamp (SALPLCXU73): For the PLC-XU73, PLC-XU83 and PLC-XU86 projector.......**299.95**
Replacement Lamp (SALPLCXU55): For the PLC-XU48 projector **399.95**
Soft Carry Case (SAPOACACVCL): For the PLC-XU48 or PLC-XU73 projector **49.95**

PLC-XT11 • PLC-XT16

2700 and 3500 Lumens XGA Portable Multimedia Projectors

The PLC-XT11 and PLC-XT16 begin with high levels of brightness, contrast, and image quality. They add the kinds of features usually found on more expensive models, such as a power-driven lens shift function. They let you deliver powerful presentations without connecting to a PC. And they are versatile, expandable, and ultra-portable, so you can use them everywhere from small meeting rooms to large conference halls. They feature a power-driven lens shift, an easy one-touch lens exchange system, built-in stereo amp and speakers, and wireless remote control with mouse functions and built-in laser pointer. In other words, the PLC-XT16 and PLC-XT11 have everything you've been waiting for in an LCD projector.

FEATURES

High Quality Projection

◆ Their high-performance 250-watt short-arc UHP lamp light source is enhanced by the built-in micro lenses of the 1" XGA polysilicon liquid crystal panels to achieve an on-screen brightness level of 2700 and 3500 lumens. This outstanding brightness makes the projectors ideal for large meeting rooms, conference halls or classrooms.

◆ Polarized scatting is corrected as the light passes through the panels, providing high-contrast on-screen color reproduction with solid black. 800:1 (PLC-XT11) and 900:1 (PLC-XT16) contrast ratio ensures natural image reproduction with fine gradation.

◆ Proprietary Digital Realized Interpolation Technology (DRIT) digitally reconstructs an image by compressing or expanding it. The result is elegant compression of a higher resolution rate or visually accurate expansion of a lower resolution rate to match the native resolution of the projector.

◆ Progressive Scan IC enhances image quality. The use of an original circuit for cross-color separation gives moving images a more natural and beautiful diagonal resolution. Full compatibility with 2:3 pull-down assures superb quality when projecting film sources.

◆ 3D Automatic Uniformity Correction Control (AUCC) provides precise compensation at a total of 7,425 points. Compared with conventional systems, it offers more than ten times the control over color problems caused by a lack of brightness conformity.

◆ 3D sampling for each pixel along with a unique movement detection algorithm program lead to increased vertical and diagonal resolution on moving video images.

◆ Luminance noise and chrominance noise in the video signal are filtered out by 3D DNR (Digital Noise Reduction) circuit to ensure finer on-screen colors without flicker.

Easy Setup

◆ Power-driven lens shift lets you move the projected image up and down on the screen without physically moving the projector. Makes it easy to center the image on screen ready for your presentation.

◆ Compatible with HDTV (480i, 480p, 576p, 720p, 1080i) signals as well as NTSC, NTSC 4.43, PAL, PAL-M, PAL-N and SECAM.

◆ In addition to vertical keystone correction of up to +40/-20°), has ±10° horizontal keystone correction. This enables you to project correct-looking images even if the projector is not directly in front of the screen.

◆ Linear control circuit adjusts the speed of the cooling fan according to the ambient temperature. Allows quiet operation and minimal distraction during presentations (amazingly low noise level of only 31dB).

◆ In addition to their 1.3x power-driven zoom focus, they feature digital zoom functions that magnify a section of the screen image up to 49x. You can also compress the screen image down to a of 1/4 its original size to accommodate your setup parameters.

◆ Set up anywhere you like. The PLC-XT11 and PLC-XT16 are easy to carry and easy to adjust. With the optional short-focus lens, you can make presentations right in a customer's office or meeting room.

Simply mount the optional lens screw the adapter in place. That's all it takes to exchange a lens. You don't have to disassemble the cabinet or even remove a screw. When it's this easy to mount a short-focus or long-focus lens, it's easier to deliver a presentation anywhere, from large halls to small meeting rooms.

PLC-XT11 • PLC-XT16

◆ Includes wireless remote control with mouse functions and built-in laser pointer

◆ Designed for straightforward use, the GUI is available in 11 languages (English, German, French, Portuguese, Spanish, Swedish, Italian, Chinese, Korean, and Japanese).

◆ Elapsed presentation time can be displayed on the screen, helping you stay on track when the schedule is tight. The time count begins when the P-TIMER button is pressed.

◆ You can "freeze" any image and hold it as a still. This is convenient for skipping over downstream images that are not relevant to the presentation.

◆ 'No' Show function lets you temporarily blank the screen, so people in the audience will turn their attention to you.

◆ They are equipped with a DVI-I terminal that makes it easy to project high-quality images from a PC.

◆ For even more versatile PC connection, each also has a USB port, together with a control port. They have component input and can directly accept DVD and high-definition signals, plus a PC monitor out terminal that lets you send images to a second projector.

◆ Rear/ceiling mount projection

◆ Built-in stereo amplifier and speakers

Supplied Accessories

◆ 3-year parts and labor warranty (90 days on the lamp.) Also include Sanyo's Quick Repair Program where they pay the overnight freight charges (both directions) to have the projector repaired in 24-72 hours.

Optional Accessories

Ceiling Mount Bracket *(POA-CHB-XT15)*

High Ceiling Mount Bracket *(POA-CHL-PL01)*

Low Ceiling Mount Bracket *(POA-CHS-PS01)*

Shipping Case *(POA-CC-XT15)*

Wireless Imager *(POA-WL11)*

The POA-WL11 Wireless Imager enables real-time capture, compression, and transfer of image data (not video) from a PC to the PCL-XT11 or PLC-XT16 through a wireless LAN card. Image data including animated PowerPoint presentations can be transferred from a PC, or from multiple PC's through a wireless access point. Using the Network Viewer Mode and its application software, image data can be called up from a network server, converted and presented on the wireless-networked projector, from a PC connected to the network, Images being shown by the projector can be viewed simultaneously on the networked PC. Additionally, built-in control software allows for wireless control of projector functions by a PC using a web browser.

◆ No annoying cable to connect. Just attach the Wireless Imager to the projector and start your presentation. Uses IEEE 802.11b technology to transfer data from the computer to the projector without VGA or control cables for the PC. Wireless data transmission is possible up to a distance of 100' indoors or 660' outdoors using 11 Mbps transmission.

◆ With IP address setting, PC images can be shown on the projection screen via a wireless access point on the network. This allows peer-to-peer communications when the projector and PC are wireless-connected. You save space and increase convenience.

◆ The projector uses a Real-time Capture method whereby images can be captured directly from a PC, thus eliminating boundaries between software applications. It also supports PowerPoint animation along with the advantages of real-time communications. (No need to convert animated presentations to JPEG files.) In addition, with the imager's "one-shot" mode, multiple presenters can share a single projector.

◆ Both projector and PC mouse can be operated without cables by the attached remote control. You can also turn the projector on or off, switch input modes and adjust projected images through the PC screen. In addition, "one-shot" communications can be selected for conferences with large audiences, and selection takes only a click of the mouse.

Presentation Viewer *(POA-MD07MCI)*

With the optional Presentation Viewer, known as the MCI (Media Card Imager) Kit— you can leave your computer in the office and still make effective presentations. Supports PC-less presentations by playing images stored on a CompactFlash card, making it ideal for delivering the same demonstration on multiple occasions. Presentations can also be looped to repeat in, for example, mall displays or conferences. Because no computer skill is necessary, the Presentation Viewer makes the projector equally accessible to the non-PC user. Bundled MCI unit utility software allows you to quickly and easily convert any PowerPoint presentation into a series of JPEG files and save them to a CompactFlash card.

◆ BMP or JPEG data formats, SXGA (1280 x 1024) to VGA (640 x 480) resolution.

◆ MCI unit slot: Compact flash card only (incompatible with SmartMedia and other cards).

◆ DVI-D port cannot be used when MCI unit is connected.

◆ Utility software for Windows 95/98/Me/NT 4.0 (SP3.0) /2000 only.

◆ Kit includes Media Card Imager unit, 16MB CF card, CF Adapter and software CD-ROM

SANYO

PLC-XP46

4100 Lumens
XGA Portable Projector

A true XGA, superbright, large venue multimedia projector, the PLC-XP46 is much easier to install, weighs much less, and is a lot smaller than a typical high-resolution color monitor - while still producing exceptional picture quality. Provides brightness of 4100 lumens, Power Lens Shift, Digital Progressive Scanning, Digital Keystone Correction, and HDTV compatibility.

For added versatility, it includes networking capabilities. Using the optional PJ-Net Organizer enables you to control and maintain a series of projectors via a computer network, including the web. No other projector offers such an attractive balance of features with such remarkable ease of use.

FEATURES

High Quality Projection

◆ The high-performance 275-watt short-arc NSH lamp light source is enhanced by the built-in microlenses of the 1.3" XGA polysilicon liquid crystal panels to achieve an on-screen brightness level of 4100 lumens, making it ideal for large meeting rooms, conference halls or classrooms.

◆ Polarized scattering is corrected as the light passes through the panels, ensuring high-contrast on-screen color reproduction with solid black. A contrast ratio of 800:1 ensures that the projector offers more natural image reproduction with finer gradation.

◆ Proprietary Digital Realized Interpolation Technology (DRIT) digitally reconstructs an image by compressing or expanding it. The result is t elegant compression of a higher resolution rate or visually accurate expansion of a lower resolution rate to match the native resolution of the projector.

Digital Image Technology

◆ 3D Automatic Uniformity Correction Control offers more than ten-times the level of control over color problems caused by lack of brightness conformity. This helps to ensure natural-looking gradation.

◆ Sanyo technology enhances the video projection capability of the PLC-XP46. 3D sampling for each pixel together with Sanyo's unique movement detection algorithm program lead to increased horizontal resolution and increased diagonal resolution on moving images.

◆ 3D Digital Y/C separation circuit enhances resolution and reduces noise on moving images to produce a clearer, finer picture.

◆ Luminance noise and chrominance noise in the video signal are filtered out by the 3D DNR (Digital Noise Reduction) circuit to ensure finer on-screen colors without flicker.

Easy Setup

◆ In addition to vertical keystone correction of up ±40°, the PCL-XP46 also offers horizontal correction up to ±10° This makes it possible to project correct-looking images even if the projector is not directly in front of the screen.

◆ You can move the projected image up and down on the screen without physically moving the projector thanks to the power-driven lens shift. This makes it easy to center the image on screen ready for your presentation.

◆ Eco mode offers quiet operation with low energy consumption. If quietness is a prime concern, there is no need to worry that loud bursts of fan activity will disturb the presentation. Brightness is approximately 80 percent of normal levels.

◆ In addition to the 1.3x power-driven zoom focus, this projector features a digital zoom function that magnifies a section of the screen image by up to 49x (surface ratio). You can also compress the screen image down to 1/4 its original size.

◆ Equipped with intelligent sharpness control, a leading-edge signal processing technology that analyzes the incoming signal and controls the amount of correction accordingly. The result is sharp yet natural-looking images.

Fixed Short-Focus Lens *(SALNSW32)*
$2199.95

Short-Focus Zoom Lens *(SALNSW31A)*
$1957.95

Long-Focus Zoom Lens *(SALNST31A)*
$1979.95

Sanyo offers three optional lens types for the PLC-XP46.

A fixed short-focus lens a short -focus zoom lens, and a long-focus zoom lens.

By replacing the original standard lens, you can adapt the projector to your needs.

SANYO

PLC-XP46

Conveniences

◆ Compatible with HDTV (480i, 480p, 576p, 720p, 1080i) signals as well as NTSC, NTSC 4.43, PAL, PAL-M, PAL-N and SECAM.

◆ Projection image can be adjusted to suit the size of any room. Project a 31" (diagonal) image just 4.6' from the screen. Or from the maximum throw distance of 48', project an amazingly large 400" (diagonal) image. Optional lenses increased flexibility.

◆ Includes an infra-red remote control with a laser pointer to make smart presentations. The remote also incorporates a wireless mouse function for a connected computer. This function enables you to operate both projector and computer with one control.

◆ Equipped with an extensive array of input terminals to suit a range of projection sources. DVI-D is optimized for PC input. A USB port is included together with the control port. And there is a component input for high-definition signals.

◆ Equipped with a whisper quiet fan which produces an amazingly low noise level of only 35dB (Eco mode).

◆ Built-in stereo amplifier and speakers

◆ Presentation Timer shows a running clock on the display screen.

◆ User Logo function for customizing a start-up screen using captured images or logos.

◆ No Show function lets you temporarily stop displaying the projected image, so the audience's attention can be focused on the presenter rather than the screen.

◆ When a signal isn't detected after five minutes, automatically shuts down the lamp.

◆ Designed for straightforward use, the GUI provides a choice of 11 languages.

◆ Includes 3-year parts and labor warranty (90 days on the lamp) as well as Sanyo's Quick Repair Program where they pay the overnight freight charges to have the projector repaired in 24-72 hours.

PJ-Net Organizer

The PLC-XP46 an be connected to a computer network via the optional PJ-Net Organizer or management and control capabilities. Projectors located in several different locations can be controlled from a single computer using your normal web browser — there is no need for any special software.

The POA-PN01 PJ-Net Organizer is an advanced tool for network control and administration of the PCL-XP46.

Through an ethernet connection using the IP addressing scheme, projector functions such as power status, lamp status, input mode, signal condition, lamp-use time, etc. can be monitored using a web browser. Again, no additional application software is needed.

◆ When abnormalities such as lamp failure or power failure occur, or if the projector malfunctions, an e-mail alert message can be sent to the registered e-mail addresses.

◆ An Automatic Timer function can turn on or off a series of projectors at a specified day, date and time. You can program the days and times of projector use (maximum 10 events) so that the projector will automatically switch on and off. The timer can be programmed to run every day or every week, or for specific days.

◆ Using a web browser application, you can check on the condition of the projector or adjust the controls in the following ways:

– Projector condition: lamp use time, projector use time, in-store condition, power supply, input information

– Projector controls: power (on/off), input mode, PC, system, image, and other settings

– Saving/downloading of settings: input mode, system, image and screen settings can be stored or downloaded

◆ With Multi-Control, a single computer can control and setup multiple projectors at the same time. Up to 99 projectors can be operated from a single computer without the need for any special control boxes or software.

◆ PJ-Net Organizer is equipped with an RS-232C serial communications port. This allows RS-232 control systems to be used in parallel with these network control components.

UP/DOWN LEFT/RIGHT KEYSTONE CORRECTION

In addition to up/down keystone correction (maximum –40°), Sanyo has added left/right keystone correction (maximum –10°) to this projector. This makes it possible to project correct-looking images even if the projector is not directly in front of the screen.

PLC-XP51 • PLC-XP55 • PLC-XP56

4000, 4500 and 5000 Lumens XGA Portable and Networkable Projectors

Captivate your audience with state-of-the-art picture quality powered by these class-topping XGA projectors. The PLC-XP51 (4000 lumens), the PLC-XP55 (4500 lumens) and PLC-XP56 (5000 lumens) meet the exacting needs of professionals in a diversity of fields spanning the spheres of education, entertainment and advertising. In fact, wherever you go you'll find them enhancing the capacity for communication as multimedia tools lighting the way to the infocentric presentations of tomorrow. In addition to outstanding brightness, they step-up from the PLC-XP46 (previous page) with customizable start-up screens, Sanyo's latest color management system, quick lens replacement. They are also compatible with the optional PJ-Net Organizer Plus.

Step-up features from the PLC-XP46 (previous page)

◆ Projectors made ideal for large meeting rooms, conference halls or classrooms by the high-performance of a 300-watt short-arc NSH lamp light source enhanced by the built-in microlenses of a trio of 1.3" XGA polysilicon liquid crystal panels.

◆ They achieve an on-screen brightness level of 4000 lumens (PLC-XP51), 4500 lumens (PLC-XP55) and 5,000 lumens (PLC-XP56).

◆ Intelligently tracking on-screen activity with split-second precision, newly developed progressive scan circuitry is paired with cross-color filtering for superior diagonal resolution to deliver images that are jaggy-free, smooth and super detailed even for video and film sources.

◆ With correspondence to 2:3 pull-down, film sources also can be projected with high picture quality. In addition, progressive conversion is possible for 1080i, so that HDTV can be projected with even higher quality.

◆ Automatic Picture Control (APC) provides real-time correction of brightness levels in response to on-screen movement and light sources inside and out of the presentation venue. APC Automatically detects on-screen luminance and adjusts the gamma level to maintain natural-looking gradations in projected images even during scenes that vary between being too light or too dark.

◆ They feature Sanyo's new Color Management System which allows manual adjustment of parameters such as level, phase, and gamma for consistently vivid and faithful color reproduction. You can select and change the shading of an individual color to achieve a more natural balance without affecting other colors.

◆ Polarized scattering is corrected as the light passes through the panels, ensuring high-contrast on-screen color reproduction with solid black. A contrast ratio of 1000:1 (PLC-XP51), 1100:1 (PLC-XP55) and 1200:1 (PLC-XP6) ensures that these projectors offer more natural image reproduction with finer gradation.

◆ Sanyo's new One-Touch lens system makes installation and removal of optional lenses a snap. Utilizing new One-Touch interchangeable lenses mount adapters that attach to the lenses, it allows for quick and easy lens swapping. A new bayonet - style lens mount system eliminates wired connections for the zoom and focus motors.

◆ Including short and long focus types, a total of four optional lenses are available in response to the needs of the occasion and the venue. Using the supplied bayonet mount (POA-LNA-03) different optional lens types can be interchanged at will.

◆ In addition to a DVI (digital video interface) allowing projection of computer screen quality images are a monitor out (RGB) and a D-sub 15-pin (RGB or RGB SCART) socket. Connection flexibility is also enabled by connections supporting HDCP, HDTV, and composite video connections to make these projectors useful for a myriad of applications.

◆ Enhanced operability with a remote control featuring 8 remote control codes and independent cursor and input keys.

◆ The on-screen menu (OSM) now features more flexibility for simultaneous operation and monitoring of on-screen images. The graphical user interface (GUI) offers display in 12 languages and enables intuitive user-friendly operation.

◆ These three projectors use the optional PJ-Net Organizer Plus (POA-PNO2) network module for even more versatility. The POA-PNO2 allows real-time image capture and transmission from PC through network to projector. The same image data can be sent to up to 100 different projectors at the same time.

◆ The POA-PNO2 also has an enhanced e-mail alert function which sends e-mail alerts based on lamp hour counter with customizable messages.

PLC-XT11 / XT16 / XP46 / XP51 / XP55 / XP56

	PLC-XT11	PLC-XT16	PLC-XP46	PLC-XP51	PLC-XP55	PLC-XP56
Native Resolution	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)
Display Technology	LCD 1.0" Polysilicon Active Matrix TFT x3	LCD 1.0" Polysilicon TFT x3 with Micro	LCD 1.3" Polysilicon Active Matrix TFT x3	LCD 1.3" Polysilicon Active Matrix TFT x3	LCD 1.3" Polysilicon TFT x3 with Micro	LCD 1.3" Polysilicon TFT x3 with Micro
Input Sources	RGB (D-sub 15, DVI), Video (S-Video, Composite RCA, Component), Audio (RCA)	RGB (D-sub 15, DVI), Video (S-Video, Composite RCA, Component), Audio (RCA)	RGB (D-sub 15, DVI), Video (S-Video, Composite RCA, Component), Audio (RCA)	RGB (D-sub 15, DVI), Video (S-Video, Composite RCA, Component), Audio (RCA)	RGB (D-sub 15, DVI), Video (S-Video, Composite RCA, Component), Audio (RCA, 3.5mm Stereo)	RGB (D-sub 15, DVI), Video (S-Video, Composite RCA, Component), Audio (RCA, 3.5mm Stereo)
Output Terminals	RGB (D-sub 15), audio (3.5mm Stereo)	RGB (D-sub 15), audio (3.5mm Stereo)		RGB (D-sub 15), audio (3.5mm Stereo)	RGB (D-sub 15), audio (3.5mm Stereo)	RGB (D-sub 15), audio (3.5mm Stereo)
Computer Compatibility	VGA, SVGA, XGA, SXGA	VGA, SVGA, XGA, SXGA	VGA, SVGA, XGA, SXGA	VGA, SVGA XGA, SXGA	VGA, SVGA, XGA, SXGA	VGA, SVGA, XGA, SXGA
Video Compatibility	NTSC, PAL, PAL M, N, SECAM, NTSC4.43	NTSC, PAL, PAL M, N, SECAM, NTSC4.43	NTSC, PAL, PAL M, N, SECAM, NTSC4.43	NTSC, PAL, PAL M, N, SECAM, NTSC4.43	NTSC, PAL, PAL M, N, SECAM, NTSC4.43	NTSC, PAL, PAL M, N, SECAM, NTSC4.43
Max ANSI Lumens	2,700 ANSI lumens	3,500 ANSI lumens	4,100 ANSI lumens	4,000 ANSI lumens	4,500 ANSI lumens	5,000 ANSI lumens
Contrast Ratio	700:1	800:1	800:1	1,000:1	1,100:1	1,200:1
Projection Lens (std.)	1.3:1 Zoom with power focus & zoom	1.3:1 Zoom with power focus & zoom	1.3:1 Zoom with power focus & zoom	1.3:1 Zoom with power focus & zoom	1.3:1 Zoom with power focus & zoom	1.3:1 Zoom with power focus & zoom
Throw Ratio	1.62:1 – 2.12:1	1.62:1 – 2.12:1	1.8:1 – 2.4:1	1.8:1 – 2.4:1	1.8:1 – 2.4:1	1.8:1 – 2.4:1
Projection Distance	3.9' – 32.8'	3.9' – 32.8'	4.6' – 48.2'	4.6' – 47.3'	4.6' – 48.2'	4.6' – 48.2'
Image Size (Diagonal)	9.8' to 16.4'	9.8' to 16.4'	31" to 400"	31" - 400"	31" - 400"	31" - 400"
Lamp (Bulb)	250W UHP	250W UHP	275W NSH	300W NSH	300W NSH	300W NSH
Bulb Life Expectancy	2,000 hours	2,000 hours	2,000 hours	2,000 hours	2,000 hours	2,000 hours
Aspect Ratio	4:3 Full Screen	4:3 Full Screen	4:3 Full Screen	4:3 Full Screen	4:3 Full Screen	4:3 Full Screen
Screen Projection	Front and Rear	Front and Rear	Front and Rear	Front and Rear	Front and Rear	Front and Rear
Ceiling Mountable	Yes	Yes	Yes	Yes	Yes	Yes
Keystone Correction	±40° vertical correction	±40° vertical correction	±40° vertical correction	±40° vertical correction	±40° vertical correction	±40° vertical correction
Built-in Speaker (audio)	2X 2 Watt Stereo	2X 2 Watt Stereo	2X 2 Watt Stereo	2X 2 Watt Stereo	2X 2 Watt Stereo	2X 2 Watt Stereo
Controls	Wireless Remote, Control 8 pin, USB type B	Wireless Remote, Control 8 pin, USB type B	Wireless Remote, Control 8 pin, USB type B	Wireless Remote, USB x1, RC Jack PJ-NET Connection	Wireless Remote, USB x1, RC Jack PJ-NET Connection	Wireless Remote, USB x1, RC Jack PJ-NET Connection
Dimensions (HLW)	6.3 x 16.6 x 11.8"	6.3 x 16.6 x 11.8"	6.6 x 18.5 x 12.6"	6.6 x 18.5 x 12.6"	6.6 x 16.9 x 12.6"	6.6 x 16.9 x 12.6"
Weight	17.2 lbs.	17.2 lbs.	18.5 lbs.	17.4 lbs.	18.5 lbs.	20.3 lbs.

PLC-XT11/XT16/XP46/XP51/XP55/XP56 Replacement Lamps

Replacement Lamp for PLC-XT11/XT16 (SALPLCXT15A)...................**395.95**

Replacement Lamp for PLC-XP46 (SALPLCXP41) **395.95**

Replacement Lamp for PLC-XP51/XP56 (SALPLCXP56) **395.95**

Replacement Lamp for PLC-XP55 (SALPLCXP55) **399.95**

SANYO

PLC-XF60 • PLC-EF60

XGA and SXGA Large Venue Projectors

Ideal for theaters, hotels, convention halls and large events, the PLC-XF60 (XGA, 6500 lumens) and PLC-EF60 (SXGA, 5800 lumens) are high performance projectors that are at the top of their class in every essential presentation requirement—image quality, operating ease, installation flexibility and maintenance. They have a long list of features including a mechanical shutter system to help them achieve their superb 1300:1 contrast ratio, built-in test pattern, lens setting memory, 360° tilt angle, rigid stackable cabinet, USB memory backup and security functions. To expand their capabilities, they have front panel slots for interface boards, and their bayonet mount system allows you to quickly and easily change from among ten optional lenses.

FEATURES

High Performance

◆ They are equipped with XGA / SXGA+ LCD panels with micro lenses. The two UHP lamps combine with the industry's most advanced optical engine to deliver class-leading brightness of 6500 lumens for the PLC-XF60 or 5800 lumens for the PLC-EF60.

◆ Mechanical shutter system helps Sanyo's high-performance optical system achieve its best-in-class contrast ratio of 1300:1. This is one more reason for the PLC-XF60/EF60's crisp, high-quality images.

◆ Progressive scan IC improves image quality, and a Sanyo original cross-color separation circuit helps achieve superior diagonal resolution. Also offering 2-3 pulldown compatibility (HDTV compatibility), they deliver high-quality image projection from film sources.

◆ 12-bit gamma correction control function achieves smoother gradation characteristics by adjusting the gradation according to the image being input.

◆ Supplied CD-ROM includes software for color correction and gamma correction. You can make precise, detailed adjustments to assure that your projected images are of superior quality.

Usability

◆ A touch pad on the top of the main unit lets you perform almost all operations available on the remote control. You'll find the touch pad especially convenient when making adjustments during system setup.

◆ The lens position, zoom and focus settings can be stored in memory for instant recall. (Supports only the LNS-W04 standard lens).

◆ They offer an on-screen display designed for easier operation. With a customizable "My Menu" function and control possible via a USB mouse, you can get the flexibility to handle any operating conditions.

◆ They use an RF (radio frequency) remote control with a touch pad. Unlike conventional infrared systems, to get a much wider remote control range. And, compared with units that have illuminated buttons, the touch pad is easier to work in the dark settings where it's difficult to see your fingertip.

◆ With the Input Search function set to ON, the PLC-XF60/EF60 automatically start input signal search when they are turned on.

◆ A company logo mark or other image can be captured and used as the startup image. They can be set to display blue, black or a custom logo when there is no input signal.

High Performance

◆ A shutter mechanism clicks into place to block the lamp light the instant you turn off the image. It also prevents overlapping images when you are using several projectors on a single screen.

◆ A built-in test pattern lets you make precise, detailed adjustments during setup, even when there's no external signal source available. It also eliminates the need to connect and reconnect equipment when making adjustments with a twin-stack setup.

◆ They feature an extremely rigid cabinet that lets you stack one unit atop another without special hardware. This improved rigidity makes it easy to set up a twin projection system or to stack a backup unit.

◆ The lens can be shifted between 10:0 and 0:10 (with the LNS-W04) vertically and between 3:2 and 2:3 horizontally. This makes the PLC-XF60/EF60 much easier to set up than previous two-lamp projectors.

◆ 4-digit PIN code lock prevents unauthorized use of the projector. The optional USB memory can also be used as a protect key. Errors that occur in the main unit are logged in memory. This stored information can help reduce troubleshooting time and effort.

PLC-XF60 • PLC-EF60

Flexibility

◆ The PLC-XF60 and PLC- EF60 can project images while the main unit is tilted 360° around the horizontal axis in either direction. This gives you more setup flexibility - for example, you can set up with the screen on the ceiling or floor.

◆ The optional board slots and other connection terminals are set right on the front panel for easy access and extra layout flexibility. You can set up the projectors without worrying about how much space there is behind the unit. A terminal cover (with strap) is also provided.

◆ The PLC-XF60/EF60 provides keystone correction of ±20° horizontally and ±35° vertically. Note: Horizontal keystone is ineffective with the PLC-EF60.

◆ Sanyo offers a wide selection of optional lenses. This lets you find the right lens for any particular application, and it gives you the system layout and setup flexibility you need to handle a variety of conditions.

Easy Maintenance

◆ Air enters through a single vent on one side and exits through a single vent on the opposite side. This improves dust resistance. Because there's only one filter to replace, maintenance is easier too.

◆ The optional Smoke Resistant Box attaches easily for projector use in harsh environmental conditions.

◆ An LED on the main unit lights up to indicate when the filter needs replacement. This helps prevent a clogged filter from causing serious equipment problems.

◆ The bayonet-mount system lets you change lenses quickly and easily.

◆ An optional long-life lamp offers an extended life expectancy of about 10,000 hours.

◆ Errors that occur in the main unit are logged in memory. Up to 50 longs can be displayed. This stored information can help reduce trouble-shooting time and effort.

◆ Image adjustment settings can be stored in the optional USB memory (POA-USB01). You can then copy the stored data to another PLC-XF60/EF60 for use as a backup projector. You can also copy the user setting list.

Interface Board Slots

Featuring the Multi-Versatile Platform (MVP), a wide array of connectivity options is available with the PLC-XF60 and PLC-EF60. Detachable interface panels including inputs for HD-SDI, SD-SDI, Faroudja video processing, DVI, 5-BNC, D-Sub15, Video Y/C and S-Video can be used in varying combinations to meet the source input needs for most any situation.

Detachable RGB and Component Input Board *(SAPOAMD16VD1)*: Has 5 BNCs for RGB and component video, RCA x 2 for left and right audio, and Min DIN 8-pin for control **287.50**

DVI Input Board *(SAPOAMD18DVI)*: DVI with HDCP input board, RCA x 2 for left and right audio, and Min DIN 8-pin for control..**309.95**

Dual-SD Input Board *(SAPOAMD17SDI)*: Standard and High Definition SDI board with 2 BNC inputs and one BNC output **3749.95**

Advanced Network Control Board *(SAPOAMD19NET)*: An Advanced Network RJ-45 control board with a SD card slot **399.95**

Faroudja Video Processor Board *(SAPOAMD09VD3)*: Sanyo's Faroudja Interface Board, for use with projectors featuring the Multi Versatile Platform (MVP), processes all incoming video signals using three Faroudja video processing IC's as well as Sanyo's new IC for 3D Y/C separation. Jitter-free video performance, improved depth perception, automatic 3:2 pulldown, the elimination of objectionable staircase artifacts, and near-HD quality images are the result **1994.95**

Computer Input Board *(SAPOAMD04VGA)*: Interface board for VGA input..................**229.95**

Detachable RGB and Component

DVI Input

Dual-SD
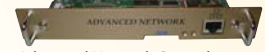
Advanced Network Control

Faroudja Video Processor

Computer Input

POA-CHS401

POA-FIL140

POA-SR140

POA-CHL401

POA-BF140

Optional Accessories
(Call for Availability)

Mounting Hardware for Low Ceilings *(POA-CHS401)*
It's external dimensions are 21.8 x 22.4 x 22.4" (WDH), and it weighs 23.1 lbs. It offers adjustments of ±15° vertical, ±10° horizontal and ±10° tilt...**CALL**

Mounting Hardware for High Ceilings *(POA-CHL401)*
It's external dimensions are 21.8 x 22.4 x 44.6" (WDH), and it weighs 34.2 lbs. It offers adjustments of ±15° to -40° vertical, ±10° horizontal and ±10° tilt...................................**CALL**

Replacement Filter *(POA-FIL140)* ....**CALL**

Smoke Resistant Box *(POA-SR140)* ....**CALL**

**Bumper Frame** *(POA-BF140)* ....**CALL**

PLC-XF60 • PLC-EF60

Ideal for Large Screen Applications

Conventions

Project crisp, sharp images from a variety of sources - PCs, document cameras, VTRs and more. With the XF60/EF60's high output and brightness, there's no need to dim the room lights - so viewers can read handouts and take notes comfortably during the presentation. Using a PC gives you total control over image source switching, for easy, flexible large-screen presentations.
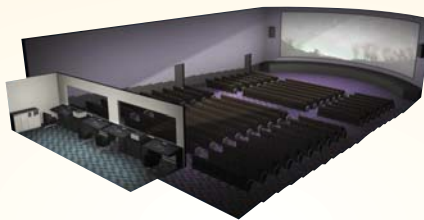
Theaters and Halls

Use the simple blending function to input signals from a split source separately to two PLC-XF60 or PLC-EF60 projectors, and display them onto a special screen as a single image. The warp function also lets you project images onto a curved screen. These functions make it easy to create impressive, high-resolution visual effects in halls, theaters, and other large venues.

Monitor Control

You can configure a large-screen monitor system by using multiple XF60/EF60s in a rear projection system to project images onto a multi-screen display. Use it to reproduce complex visual information, such as network control schematics, maps, and images from surveillance cameras. Using a system control PC makes it easy to operate and manage this kind of system.

• • • • • • • • • • • • • • • Optional Lenses • • • • • • • • • • • • • • •

Because you can choose between 11 optional lenses, the projector can be easily customized for any room condition. The lenses range from an extreme wide-angle lens for large images at short projection distances to an extreme telephoto lenses for long distances. This way you will always have the perfect lens on hand and will never have to compromise. Cost-effectiveness is increased as well because the lenses can also be used with most other high-end projectors from Sanyo.

**Fast lens switching with the
One Touch Lens Change System**

Furthermore, with the One Touch Lens Change System, it is simple and fast to change lenses. Simply remove the front cover (four screws), insert the lens and then lock it into place. The entire operation takes just a few minutes!

Lens	LNS-W01Z	LNS-W02Z	LNS-W03	LNS-W04	LNS-W05
Focal Length	45mm	52 - 68mm	30mm	58 - 76mm	36-50mm
Aperture	f/2.5	f/2.5-2.9	f/1.7-2.3	f/1.7-2.3	f2.0-2.3
Aspect Ratio	1.5:1	1.8 – 2.3:1	1.0:1	2.0 - 2.6:1	1.2 – 1.7:1
Diameter	175mm	114mm	175mm	122mm	122mm
Zoom	Fixed	Powered (1.3x)	Fixed	Powered (1.3x)	Powered (1.4x)
Focus	Manual	Powered	Manual	Powered	Powered
B&H #	SALNSW01Z	SALNSW02Z	SALNSW03	SALNSW04	SALNSW05
Price	$2,398.50	$2,423.50	$3,131.95	$2,299.95	$2,483.95

Lens	LNS-S02Z	LNS-S03	LNS-M01Z	LNS-T01Z	LNS-T02	LNS-T03
Focal Length	76 – 98mm	97 – 131mm	125 – 162mm	253mm	158 – 221mm	224 - 325mm
Aperture	2.0 – 2.3	1.7 – 2.6	2.0 – 2.6	2	2.0 – 2.8	2.2 – 2.5
Aspect Ratio	2.6 – 3.3:1	3.3 – 4.5:1	4.5 – 5.8:1	8.9:1	5.6 – 8.0:1	8.1 – 11.6:1
Diameter	116mm	137mm	95mm	158mm	130mm	169mm
Zoom	Powered (1.3x)	Powered (1.3x)	Powered (1.3x)	Fixed	Powered (1.4x)	Manual
Focus	Powered	Powered	Powered	Manual	Powered	Manual
B&H #	SALNSS02Z	SALNSS03	SALNSM01Z	SALNST01Z	SALNST02	SALNST03
Price	$919.95	$1,664.50	$1,513.95	$2,329.95	$2,349.95	$9,499.95

PLC-XF60 • PLC-EF60

Warp and Blending

Whether for POS or art installations, the preinstalled Warp & Blending board opens up a whole new range of creative possibilities. It connects the DVI-D and a RS-232 cable, which allow the image to be projected on a spherical and curvature screen correctly by applying the specific PC application software.
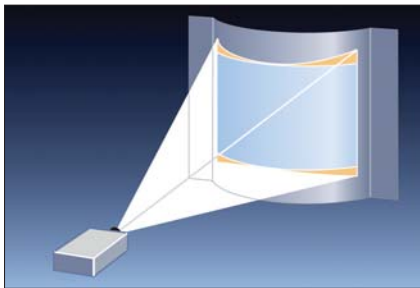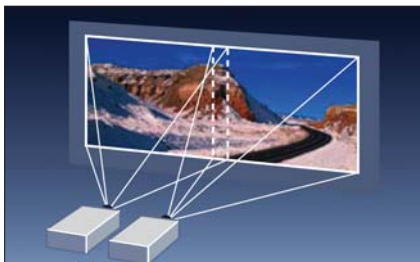
Warp:
Corrects and projects image on spherical screen. Provides spherical, horizontal and vertical curvature, and keystone correction.

Blending:
Blending is used when you want to project several images together with the overlapped portion blended and projected naturally. It can perform two types of blending; either 2 or 16 steps, and it can be overlapped from 4 directions; up, down, left and right.

Warp and Blending:
Blending could be set up at the same time as Warp, so that it makes blending on curvature surface possible in addition to blending on a horizontal screen.

	PLC-XF60	PLC-EF60
Native Resolution	XGA (1024 x 768)	SXGA+ (1400 x 1050)
System	3-color LCD shutter projection system	
Optics	Dichroic mirror separation/prism synthesis system	
Panel Size	1.4" x3, 4:3 aspect ratio	
LCD System	Polysilicon active matrix TFT	
Number of Pixels	2,359,296 pixels: 786,432 (1024 x 768) x 3	4,410,000 pixels: 1,470,000 (1400 x 1050) x 3
Lamp	300W UHP x2	300W UHP x2
Projection Size	30 to 500" diagonally	30 to 500" diagonally
Color Reproduction	Full color (1,070 million colors)	Full color (1,070 million colors)
Brightness	6,500 lumens	5,800 lumens
Contrast Ratio	1,300:1 (full on/full off)	1,300:1 (full on/full off)
Audio output	3 W + 3 W (stereo)	3 W + 3 W (stereo)
Scanning Frequency	H-sync: 15–120 kHz, V-sync: 48–120 Hz, Dot clock: 230 MHz or less	
Resolution RGB	1,024 x 768 dots (Dot resizing for 1,600 x 1,200 – 1,280 x 1,024)	1,400 x 1,050 dots (Dot resizing for 1,600 x 1,200)
Computer Compatibility	UXGA/SXGA/XGA/SVGA/VGA/Mac	
Color System	PAL/SECAM/NTSC/NTSC 4.43/PAL-M/PAL-N	
Input Terminals	**Input 1:** Image: DVI-D x1 (HDCP compatible), mini D-sub 15-pin x1; Audio: Stereo mini jack x1 **Input 2:** Image: BNC x5 (RGBHV/YCbCr/Video); Audio: Stereo mini jack x1 **Input 3:** Image: RCA x3 (YCrCb/Video), S-Video x1; Audio: RCA x2 (R/L (mono)) **Input 4:** MVP slot 1 (Warp & blending board installed); Image: DVI-D x 1, Serial port: D-sub 9-pin x 2 (in/out) **Input 5:** Open	
Output Terminals	Image: Mini D-sub 15-pin x1 (analog RGB)	
Communication Terminals	USB port: Type A x1, type B x1; Serial port: D-sub 9-pin x 2 (in/out); Wired remote jack: Stereo mini jack x1	
Fan Noise	39 dB (Eco mode)	
Power supply	AC 100–240 V, 50/60 Hz, auto voltage	AC 100–240 V, 50/60 Hz, auto voltage
Power consumption	900 W	900 W
Dimensions (WHD)	20.4 x 9.9 x 23.9"	20.4 x 9.9 x 23.9"
Weight	54.3 lbs (without lens)	54.3 lbs (without lens)
Standard Accessories	Owner's manual, warranty card, AC power cord (3m, x1), wired remote control cable (x1), wireless/wired remote control (x1), AA-size dry batteries (x2) supplied), PIN code label, DVI cable (x1), VGA cable (x1), lens attachment (x1), light shield (x2), application software CD-ROM, dust cover	

PLC-XF31 • PLC-XF35 • PLC-EF31

5200/6500 Lumens XGA and 5800 Lumens SXGA Large Venue Projectors

Ideal for large conference rooms and halls Sanyo's ground breaking range of large venue projectors combine high luminance and picture quality with full scalability. Manufactured to the very highest standards, they offer extremely high levels of brightness designed for for a variety of high-end applications including seminars, conferences, classrooms with large-screen viewing facilities, and video displays at events. They enable presentations that demand the attention of those present and leave a vivid impression through the synergistic effect of the presenter's oral explanation combined with a dynamic rendering of presentation content on-screen through an ensemble of animation effects. Highly appealing presentations can put together at will to consist not only of PC generated materials but also elements of video and website content as well. Seminars and conferences can proceed smoothly, while paper and labor that would usually be expended in distributing detailed materials to attendees are also saved.

FEATURES

High Intensity Projection

◆ Each employs a multi-lamp optical system that provides high intensity projection. The PLC-XF31 has two UHP lamps and delivers 5,000 lumens, the XF35 delivers 6,500 lumens, and the EF31, 7700 lumens. By stacking two units, more powerful projection with doubled intensity is possible.

◆ To meet the demands of professional presentation applications including CAD/CAM, design drawings on workstations or HDTV images the PLC-XF31/35 offers real 1024 x 768 XGA resolution; the PLC-EF31 steps up with SXGA (1600 x 1200) to provide sharp and crisp, high-definition images.

◆ They offer two lighting modes: a high-brightness mode which has all lamps turned on; and an economy mode which doubles the amount of usable time. Simply select the mode best suited for a particular environment. If one lamp is accidentally turned off when used in the high-brightness mode, the system automatically switches over to the economy mode. This fail safe function prevents a presentation from being interrupted.

High Quality Pictures

◆ Progressive scan IC enhances image quality. Also, a circuit for cross-color separation gives moving images a more natural and beautiful diagonal resolution. Full compatibility with 2-3 pull-down (except the PCL-EF31) and HDTV signals (1080i) also assures superb quality when projecting film sources.

◆ Crosstalk canceller eliminates the problem of ghosting on images, and reduces signal interference between the drive circuits on the LCD panels. Line/dot inversion reduces signal interference between pixels.

◆ High-contrast optical system is used to produce a breakthrough 1,100:1 contrast ratio. The 10-bit digital gamma correction control function allows smoother gradation characteristics and controls gradation reproduction according to images input.

◆ They make use of the intelligent sharpness controller sharpen the detail of areas other than areas with steep image signals such as ruled lines and characters that are often prone to generate bright lines. Irrespective of the input mode for RGB/video, the controller delivers clearer, sharper images.

High Precision

◆ 3D Automatic Uniformity Correction Control (AUCC) provides precise compensation at a total of 7,425 points. Compared with conventional systems, this is more than ten times the control over lack of brightness conformity color problems. The result is smoother, more natural gradation.

◆ They have three 3D digital circuits: a 3D digital progressive circuit for I/P conversion of 1080i signals; a 3D digital Y/C separation circuit to increase resolution and reduce noise; a 3D digital noise reduction circuit for reproducing flicker-free, vivid images.

◆ Real Color Manager makes it easy to adjust white balance and gamma curve adjustments: simply compare the projected images from the enclosed CD with the images on the enclosed photo sheet. You can view the image as you adjust the settings, to attain faithful color reproduction in any projection environment. Also responds to professional needs by allowing precise color settings using the gamma curve for each RGB color. Once settings are correct, store them on a PC retrieve them and later for easy set-up.

SANYO

PLC-XF31 • PLC-XF35 • PLC-EF31

Installation Flexibility

◆ Power-driven lens shift function (up/down only) allows the user to move the projection screen about without lifting the main unit. This function is especially effective for projection with two units stacked.

◆ Each has slots to accommodate input/output interface boards, such as video boards and RGB boards. The RS-232C terminals including cross-through output terminals as well as input terminals, can be controlled by external devices for easily and flexibly configuring an ideal system for each user.

◆ Digital ±35° keystone correction to compensate for keystone distortions.

◆ Adding the optional network board gives you greater control over operational settings and remote management than you get with an RS-232C interface.

◆ Eight different user-replaceable lenses, from short-fixed to long-fixed types, are optionally available. It is easy to exchange a lens. Simply mount the optional lens in the supplied adapter, and screw the adapter in place.

◆ Rear and hanging projection capability

◆ RS-232C self-diagnostic function.

◆ Power management function automatically turns the power off when no signals are entered. On-Start function allows quick projection simply by switching the system on.

Presentation Features

◆ Includes wireless/wired mouse remote controller with built-in laserpointer (LED indicator for laser pointer mode built-in).

◆ Many presentation support functions, including freeze, presentation timer, No Show and so on.

◆ Built-in stereo amp and speakers (3w + 3w)

RealColorManager

RealColorManager is an application software which enables the adjustment of the projector by comparing the projected color chart with the printed color chart.

Applications

RealColorManager includes 3 types of applications:

Gamma Correction, **CS-ProfileCard Advance** and **CS-ProfileCard Standard** are the applications, which enables the adjustment of projector.

Gamma Correction
(Video mode, Computer mode)

Gamma Correction enables you to adjust the RGB graph's numerical value of each color by itself - or 3 colors at once. The data of the adjustment may be sent to and set up in the projector.
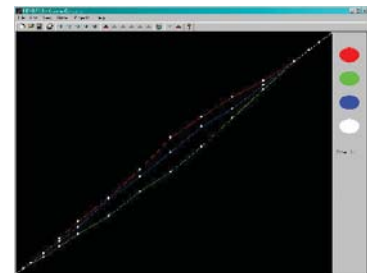
CS-Profile Advance
*(Computer mode only)*

CS-ProfileCard Advance enables you to adjust the projector's screen color by comparing the projected color chart with the printed color chart and operating the gamma-adjustment.

CS-Profile Advance

CS-Profile Standard
(Computer mode only)

CS-ProfileCard Standard enables you to adjust your projector's screen color by comparing the projected color chart with the printed color chart and selecting the suitable picture.
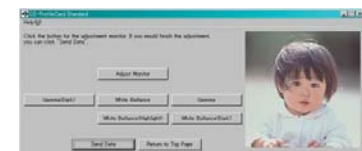
CS-Profile Standard

PLC-XF41 • PLC-XF45 • PLC-UF15

7700/10,000 Lumens XGA and 7700 Lumens UXGA Large Venue Projectors

Choose the best projector for your needs. The PLC-UF15 with 1600 x 1200 UXGA resolution or PLC-XF45/XF41 featuring 1024 x 768 XGA resolution. Whichever projector you select will more than meet your requirements, including the display of CAD/CAM drawings, workstation design drawings or HDTV images (digitally compressed), providing them all with sharp, crisp definition.

Ideal for large conference rooms and halls Sanyo's ground breaking range of large venue projectors combine high luminance and picture quality with full scalability. Each model employs a multi-lamp optical system that provides high intensity projection. The PLC-XF41 and PLC-UF15 use four UHP lamps to achieve 7,700 lumens, the PLC-XF45 uses four lamps to achieve an absolutely incredible 10,000 lumens. By stacking two projector units, more powerful projection with doubled intensity is possible.

FEATURES

Same features as the PLC-XF31 • PLC-XF35 • PLC-EF31 (previous page) except:

◆ Each employs a multi-lamp optical system that provides high intensity projection. The PLC-XF41 and XF-45 (XGA) use four UHP lamps to deliver 7700 and 10,000 lumens respectively, while PLC-UF15 offers 1600 x 1200 UXGA resolution and 7700 lumens. Stack two units and achieve more powerful projection with doubled intensity.

◆ The PLC-UF15 (only) features Sanyo's High-Color-Purity Optical System to boost image beauty, while a new progressive IC enhances viewing quality when displaying video images.

◆ Power-driven lens shift function (up/down, left/right allows the user to move the projection screen about without lifting the main unit. This function is especially effective for projection with two units stacked.

◆ Each has slots to accommodate input/output interface boards, such as video boards and RGB boards. The RS-232c terminals including cross-through output terminals as well as input terminals, can be controlled by external devices for easily and flexibly configuring an ideal system for each user.

NEW! PLC-XF46
XGA, 12,000 Lumens LCD Projector

Offering outstanding performance and reliability, the PLC-XF46 uses three large 1.8", 1024 x 768 pixel LCDs to produce startling amounts of light on the big screen – up to 12,000 lumens with 4 UHP lamps, each producing only 300 watts of power. If two of these lightweight (79 lbs.) projectors are stacked and aligned together with motorized zoom, focus and shift lenses – they can produce a total of 24,000 lumens on screens up to 600".

When operated in the two-lamp mode, a single projector can still produce 6000 lumens with an overall lamp life of more than 4000 hours (single lamp life of 2000 hours in normal mode or 2500 hours in a lower power "Eco mode"). With four lamps, you'll never be left without a projected image – the XF46 can automatically switch to a long-life, low power, "Failsafe" mode whenever a single lamp defect is detected. Plus the use of low power, low cost UHP lamps results in overall running costs about half that of other systems in the same high-brightness class.

The PLC-XF46's outstanding brightness comes with a highly impressive image quality. It provides outstanding 1200:1 contrast ratio along with naturally smooth color and grey scale variations to produce life-like, virtual reality images on any big screen. And, unlike other systems that need microlenses to make large amounts of light, the PLC-XF46 utilizes newly designed, long-life Biena 4" LCDs —without microlenses. The PLC-XF46 is ideal for use in venues that require long operating hours such as stadiums, airports or train stations – and like other Sanyo projectors, the PLC-XF46 has almost all of the option, network and installation features you need to seamlessly integrate the projector into your operations.

PLC-XF31 / XF35 / EF31 / XF41 / XF45 / UF15

	PLC-XF31	PLC-XF35	PLC-EF31	PLC-XF41	PLC-XF45	PLC-UF15
Native Resolution	XGA (1024 x 768)	XGA (1024 x 768)	SXGA (1280 x 1024)	XGA (1024 x 768)	XGA (1024 x 768)	UXGA (1600 x 1200)
Display Technology	LCD 1.8" Polysilicon Active Matrix TFT x3	LCD 1.8" Polysilicon TFT x3 with Micro	LCD 1.8" Polysilicon TFT x3 with Micro	LCD 1.8" Polysilicon Active Matrix TFT x3	LCD 1.8" Polysilicon TFT x3 with Micro	LCD 1.8" Polysilicon TFT x3 with Micro
Input Sources	RGB (D-sub 15, DVI), Video (S-Video, Composite RCA, Component), audio (RCA, 3.5mm)	RGB (D-sub 15, DVI), Video (S-Video, Composite RCA, Component), audio (RCA, 3.5mm)	RGB (D-sub 15, DVI), Video (S-Video, Composite RCA, Component), audio (RCA, 3.5mm)	RGB (D-sub 15, DVI), Video (S-Video, Composite RCA, Component), audio (RCA, 3.5mm)	RGB (D-sub 15, DVI), Video (S-Video, Composite RCA, Component), audio (RCA, 3.5mm)	RGB (D-sub 15, DVI), Video (S-Video, Composite RCA, Component), audio (RCA, 3.5mm)
Output Terminals	Audio RCA X2	—	—	—	—	
Computer Compatibility	VGA, SVGA, SXGA, XGA, UXGA, Mac	VGA, SVGA, SXGA, XGA, UXGA, Mac	VGA, SVGA, SXGA, XGA, UXGA, Mac	VGA, SVGA, SXGA, XGA, UXGA, Mac	VGA, SVGA, SXGA, XGA, UXGA, Mac	VGA, SVGA, SXGA, XGA, UXGA, Mac
Video Compatibility	NTSC, PAL, PAL M, N, SECAM, NTSC4.43	NTSC, PAL, PAL M, N, SECAM, NTSC4.43	NTSC, PAL PAL M, N, SECAM, NTSC4.43	NTSC, PAL PAL M, N, SECAM, NTSC4.43	NTSC, PAL PAL M, N, SECAM, NTSC4.43	NTSC, PAL PAL M, N, SECAM, NTSC4.43
Max ANSI Lumens	5,200 ANSI lumens	6,500 ANSI lumens	5,800 ANSI lumens	7,700 ANSI lumens	10,000 ANSI lumens	7,700 ANSI lumens
Contrast Ratio	800:1	1,100:1	900:1	800:1	1,100:1	1,000:1
Projection Lens (std.)	1.3:1 Zoom with power focus & zoom	1.3:1 Zoom with power focus & zoom	1.3:1 Zoom with power focus & zoom	Depends on optional lens	Depends on optional lens	Depends on optional lens
Throw Ratio	2.0:1 – 2.6:1	2.0:1 – 2.6:1	2.0:1 – 2.6:1	Depends on lens	Depends on lens	Depends on lens
Projection Distance	4.9' – 107.2'	4.9' – 107.2'	4.9' – 107.2'	Depends on lens	Depends on lens	Depends on lens
Image Size (Diagonal)	40" - 600"	40" - 600"	40" - 600"	Depends on lens	Depends on lens	Depends on lens
Lamp (Bulb)	200W UHP	250W UHP	200W UHP	200W UHP	250W UHP x4	250W UHP x4
Bulb Life Expectancy	2,000 hours	2,000 hours	2,000 hours	2,000 hours	2,000 hours	2,000 hours
Aspect Ratio	4:3 Full Screen	4:3 (standard)	5:4 Screen 16:9 Wide Screen	4:3 (standard)	4:3 (standard)	4:3 (standard)
Screen Projection	Front and Rear	Front and Rear	Front and Rear	Front and Rear	Front and Rear	Front and Rear
Ceiling Mountable	Yes	Yes	Yes	Yes	Yes	Yes
Keystone Correction	±40° vertical correction	±40° vertical correction	±40° vertical correction	±40° vertical correction	±40° vertical correction	±40° vertical correction
Built-in Speaker (audio)	2X 3 Watt Stereo	3 Watt X4	2X 3 Watt Stereo	2X 3 Watt Stereo	2X 3 Watt Stereo	2X 3 Watt Stereo
Controls	Wireless Remote, 9-pin D-sub (RS-232C) USB Port	Wireless Remote, 9-pin D-sub (RS-232C) USB Port, Mini Jack	Wireless Remote, 9-pin D-sub (RS-232C) USB Port, Mini Jack	Wireless Remote, 9-pin D-sub (RS-232C) USB Port, Mini Jack	Wireless Remote, 9-pin D-sub (RS-232C) USB Port, Mini Jack	Wireless Remote, 9-pin D-sub (RS-232C) USB Port, Mini Jack
Power Requirements	100V - 240V	100V - 240V	100V - 240V	100V - 240V	100V - 240V	100V - 240V
Power Consumption	550 Watt	730 Watt	550 Watt	1150 Watt	1500 Watt	1500 Watt
Dimensions (HLW)	9.1 x 23.9 x 17.3"	9.1 x 23.9 x 17.3"	9.1 x 23.9 x 17.3"	9.9 x 30.8 x 22.9"	9.9 x 30.8 x 22.9"	9.9 x 30.8 x 22.9"
Weight	50.5 lbs.	50.5 lbs.	50.5 lbs.	81.6 lbs.	81.6 lbs.	81.6 lbs.

DT-100

Next-Generation Home-Theater DLP Projector

An affordable portable projector featuring DLP technology for exceptional levels of color and brightness, the DT-100 delivers a high-performance home theater solution at an entry-level price point. Weighing a little over 8 lbs. and fitting easily on a shelf, cabinet or small table, stylish, this feature-packed projector is ideal for watching TV, viewing DVDs or playing computer games on a big screen. When you're done, simply pack it all up and put it away to save space and avoid clutter.

◆ True widescreen 16:9 ED (enhanced definition) with a resolution of 854 x 480 (WVGA) that is HDTV (480i, 480p, 540p, 576p, 720p, 1035i, and 1080i) compatible.

◆ High contrast ratio of 2000:1 for detailed reproduction of images with vibrant color, as well as high brightness of 1000 lumens.

◆ Multiple color temperature settings (5500K, 6500K, 7500K, 8500K, 9300K, 10500K) for accurate color reproduction

◆ The DT-100 is equipped with a 6-segment 5x-Speed color wheel that minimizes "color breaking" and provides high quality images with accurate color reproduction.

◆ Low fan noise of 30 dB (in economy mode) ensures that a film's dialog and special effects are the only sounds that you will hear.

◆ Sealed optics protect the projector from dust, dirt and smoke when being moved around the home.

DT-400

High-Definition Home-Theater DLP Projector

The stylish, feature-packed DT-400 is a high definition DLP projector ideal for the dedicated home theater or any viewing room in the home. Utilizing the DLP HD2+ chip from Texas Instruments and with a resolution of 1280 x 720, the DT-400 boasts a 2500:1 contrast ratio and a brightness rating of 1200 lumens, delivering great pictures and details.

◆ Native 720p High Definition capability, compatible with 1080i and 720p HD signals.

◆ The projector has a 1200 lumens rating that delivers a bright, beautiful picture.

◆ Superb 2500:1 high contrast ratio, enhances the projectors ability to discern fine, detailed differences between the darkest and lightest colors and provides superior black level reproduction.

◆ Auto Sync optimizes projected computer images by automatically adjusting certain characteristics.

◆ 1.5x powered zoom and focus simplifies adjustments without the need for changing the mounting position.

◆ Powered Optical Iris System instantly changes brightness and contrast settings with the push of a button. This allows the greatest flexibility for varying home theater environments.

◆ Intelligent compression and expansion allows high quality resizing of lower and higher resolution images to fit the projector's native resolution.

◆ Equipped with DVI-I with HDCP (High-bandwidth Digital Content Protection) terminal to ensure compatibility with the next-generation of high definition set-top boxes.

◆ Modify or customize the picture display mode to enhance the input image. You can select from four different modes: Stretch, Side Bar, Smart Stretch and Cinema Zoom.

◆ Gamma Image quality enhancement function offers a richer image by brightening the darker portions of the image without altering the brightness of the brighter portions.

XR-10S • XR-10X • XR-20S • XR-20X

DLP Projectors for Education and Business Presentations

Reliable and cost-effective, Sharp's DLP "Educator Series" enable presenters to deliver the right display solution for the classroom, boardroom, lecture hall or any collaborative meeting space. Available in four models, two XGA and two SVGA with 2000 or 2300 ANSI lumens, they feature the latest Texas Instruments DLP technology with TrueVision (DDP200) image processing for seamless use in educational or business presentations. The projectors can be used in virtually any lighting environment. Perfect for both commercial and "home" crossover video use, the projectors display an exceptionally clear picture with sharp resolution and high contrast ratio of 2000:1. To enhance color accuracy, they also incorporate a 4-segment, 3x speed color wheel, which ensures uniform images with crisp detail. On-screen interactive help makes set-up simple and a wireless remote with built-in PC control makes operation easy from anywhere in the room.

FEATURES

High Quality

◆ The native SVGA (XR-10S & XR-20S) and XGA (XR-10X & XR-20X) are compatible with up to SXGA+ (1400 x 1050) signals using Sharp's Intelligent ImageACE Resizing. This allows them to easily interface with PC, Mac and workstation computers.

◆ Texas Instruments DLP technology provides high image quality and reliability while TrueVision DDP2000 advanced circuitry optimizes performance.

◆ 4-segment /3-speed color wheel with Advanced Condenser Lens Optical System, sRGB, color temperature adjustment and bright boost ensures enhanced color accuracy and uniformity and clarity.

◆ High 2000:1 contrast ratio provides rich clarity

◆ 2000 (XR-10S & XR-10X) lumens and 2300 (XR-20S & XR-20X) lumens ensures high brightness for use in any conference room or classroom setting.

◆ They support DTV and HDTV formats (both 4:3 and 16:9) for connection to DVD players, tuners and video game systems. I/P conversion and 3:2 pulldown compatibility assures superior viewing quality from film sources.

High Performance

◆ Low Power Eco & Quiet Mode (1750 lumens for the XR-10S & XR-10X and 2000 lumens for (XR-20S & XR-20X) provides increased lamp life (up to 3000 hours) for reduced cost and noise and power consumption.

◆ Multiple ultra quiet cooling fans, make them the ideal choice for extended lamp life operation in classrooms, office environments, and even home viewing. Quiet cooling allows the audience to concentrate on your presentation without distracting fan noise.

◆ Digital vertical keystone correction of ±13° makes it possible to project correct-looking images even if the projector is not directly in front of the screen.

◆ Equipped with RS-232 port which allows the projectors to be controlled from an external computer. Connect to a network with the optional AN-LS1 Ethernet to RS-232 adapter.

◆ Variable audio out allows the user to control the audio level right from the projector. This centralization of video and audio controls from the projector helps in educational applications by ensuring the technical quality of the presentation and eliminating the fuss of separate outside audio controls.

Conveniences

◆ Short throw zoom lens projects large images from a "short" throw distance.

◆ On-Screen Setup Guide and "Help" Function ensures easy set up and simplified operation.

◆ Sealed optics prevents dirt and dust from entering optical system. Minimizes maintenance cost and extends operating life.

◆ Keylock function allows you to lock the operation buttons on the projectors

◆ They include a wireless remote with image freeze and break timer functions - for convenient remote control of all standard operations. Also has forward/back presentation control when used with AN-MR2 remote IR receiver.

◆ Compact and lightweight design - with full complement of inputs and outputs is perfect for "portable" presentations, as well as permanent installations.

◆ Portable size and weight (8.6 lbs.) make them ideal for office, classroom and mobile travel use.

◆ 3-year parts and labor warranty which includes Sharp's exclusive 2-year "ER" 24-hour turnaround express repair.

SHARP

SPECIFICATIONS

	DT-100	DT-400	XR-10S	XR-10X	XR-20S	XR-20X
Native Resolution	WVGA (854 x 480)	Wide (1280 x 720)	SVGA (800 x 600)	XGA (1024 x 768)	SVGA (800 x 600)	XGA (1024 x 768)
Display Technology	DLP™ 0.53" Single Mirror Device DMD	DLP™ 0.8" HD+ Single Mirror Device DMD	DLP™ 0.55" DDR Mirror Device DMD	DLP™ 0.55" DDR Mirror Device DMD	DLP™ 0.55" DDR Mirror Device DMD	DLP™ 0.55" DDR Mirror Device DMD
Input Sources	RGB (15-pin D-sub), video (S-Video and RCA), audio (3.5mm mini jack RCA Stereo)	RGB (15-pin D-sub), video (S-Video and RCA), audio (3.5mm mini jack RCA Stereo)	RGB (15-pin D-sub), video (S-Video and RCA), audio (3.5mm mini jack RCA Stereo)	RGB / (15-pin D-sub), video (S-Video and RCA), audio (3.5mm mini jack RCA Stereo)	RGB / (15-pin D-sub), video (S-Video and RCA), audio (3.5mm mini jack RCA Stereo)	RGB / (15-pin D-sub), video (S-Video and RCA), audio (3.5mm mini jack RCA Stereo)
Output Terminals	RGB (HD-15) audio (3.5mm Stereo)	RGB (HD-15) audio (3.5mm Stereo)	D-Sub 15, audio Stereo VAO Variable (3.5mm)	D-Sub 15, audio Stereo VAO Variable (3.5mm)	D-Sub 15, audio Stereo VAO Variable (3.5mm)	D-Sub 15, audio Stereo VAO Variable (3.5mm)
Computer Compatibility	SXGA+, VGA, SXGA, WVGA, Macintosh	SVGA, VGA, XGA, UXGA, Macintosh	SVGA, VGA, XGA, UXGA, Macintosh	SVGA, VGA, XGA, UXGA, Macintosh	SVGA, VGA, XGA, UXGA, Macintosh	SVGA, VGA, XGA, UXGA, Macintosh
Video Compatibility	NTSC, NTSC4.43, PAL, PAL-M, PAL-N, SECAM, DVI, HDTV (1080i, 575i/p, 720i/p, 480i/p)	NTSC, NTSC4.43, PAL, PAL-M, PAL-N, SECAM, DVI, HDTV (1080i, 575i/p, 720i/p, 480i/p)	NTSC, NTSC4.43, PAL, PAL-M, PAL-N, SECAM, DVI, HDTV (1080i, 575i/p, 720i/p, 480i/p)	NTSC, NTSC4.43, PAL, PAL-M, PAL-N, SECAM, DVI, HDTV (1080i, 575i/p, 720i/p, 480i/p)	NTSC, NTSC4.43, PAL, PAL-M, PAL-N, SECAM, DVI, HDTV (1080i, 575i/p, 720i/p, 480i/p)	NTSC, NTSC4.43, PAL, PAL-M, PAL-N, SECAM, DVI, HDTV (1080i, 575i/p, 720i/p, 480i/p)
Max ANSI Lumens	1,000 ANSI lumens	1,200 ANSI lumens	2,000 ANSI lumens	2,000 ANSI lumens	2,300 ANSI lumens	2,300 ANSI lumens
Contrast Ratio	2,500:1	2,500:1	2,000:1	2,000:1	2,000:1	2,000:1
Projection Lens *(std.)*	1.15:1 Zoom with manual focus & zoom	1.15:1 Zoom with power focus & zoom	1.15:1 Zoom with manual focus & zoom	1.15:1 Zoom with manual focus & zoom	1.15:1 Zoom with manual focus & zoom	1.15:1 Zoom with manual focus & zoom
Throw Ratio	1.75 – 2.0:1	1.75 – 2.0:1	1.75 – 2.0:1	1.75 – 2.0:1	1.75 – 2.0:1	1.75 – 2.0:1
Projection Distance	11.6' to 13.4'	11.6' to 13.4'	4.7' to 34.3'	4.7' to 34.3'	4.7' to 34.3'	4.7' to 34.3'
Image Size *(Diagonal)*	40" to 300"	39" to 300"	40" to 300"	39" to 300"	40" to 300"	40" to 300"
Lamp *(Bulb)*	275W UHP	275W UHP	275W DC	275W DC	275W DC	275W DC
Bulb Life Expectancy	3,000 hours	3,000 hours	2,000 hours	2,000 hours	2,000 hours	2,000 hours
Aspect Ratio	4:3 standard 16:9 compatible	4:3 Regular Screen 16:9 Wide Mode	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible
Screen Projection	Front and Rear	Front and Rear	Front and Rear	Front and Rear	Front and Rear	Front and Rear
Ceiling Mountable	Yes	Yes	Yes	Yes	Yes	Yes
Keystone Correction	±30° vertical correction	±30° vertical correction	±30° vertical correction	±30° vertical correction	±30° vertical correction	±30° vertical correction
Built-in Speaker *(audio)*	2 Watt Mono	No	2 Watt Mono	2 Watt Mono	2 Watt Mono	2 Watt Mono
Controls	Remote Control. 9-pin D-sub connector (RS-232C)	Remote Control. 9-pin D-sub connector (RS-232C)	Remote Control. 9-pin D-sub connector (RS-232C)	Remote Control. 9-pin D-sub connector (RS-232C)	Remote Control. 9-pin D-sub connector (RS-232C)	Remote Control. 9-pin D-sub connector (RS-232C)
Power Requirements	100V - 240V	100V - 240V	100V - 240V	100V - 240V	100V - 240V	100V - 240V
Power Consumption	350 Watt	360 Watt	350 Watt	350 Watt	350 Watt	350 Watt
Dimensions *(HLW)*	4.7 x 11.6 x 12.7"	3.4 x 11.6 x 12.7"	4.7 x 11.6 x 12.4"	4.7 x 11.6 x 12.4"	4.7 x 11.6 x 12.4"	4.7 x 11.6 x 12.4"
Weight	8.6 lbs.	9.5 lbs.	8.6 lbs.	8.6 lbs.	8.6 lbs.	8.6 lbs.

PG-MB60X

Professional DLP Projector for Conference Rooms, Boardrooms and other Mid-Sized Meeting Halls

The PG-MB60X places high performance into a feature-packed design – with the awesome advances of DLP technology. The PG-MB60X makes presentations and installation a pleasure with exceptionally high brightness of 2500 lumens and low fan noise. Slim and lightweight, the PG-MB60X incorporates a wide 1.5x power zoom/focus lens, wireless remote with mouse control, sealed optical system and extensive theft deterrent mounting features. The PG-MB60X also utilizes the latest DDR DLP technology with air bearing 3x speed color wheel, assuring the highest contrast ratio, image quality and reliability – even for extended applications. Extremely portable for business use anywhere. Weighing approximately 9 lbs. the projectors can be easily moved from classroom to lecture hall or boardroom to meeting room.

FEATURES

◆ DDR DLP Technology with Air Bearing 4-segment / 3-speed color wheel provides superior video image quality and long life operation.

◆ With native XGA resolution (1024 x 768) and compatibility up through SXGA+ (1400 x 1050), the PG-MB60X easily interfaces with PC, Mac and workstation computers. Also supports NTSC, PAL, SECAM and DTV/HDTV formats for connection to DVD players, tuners and video game systems.

◆ Equipped with a 1.5X power zoom and focus lens

◆ 2500 lumens (2000 lumens in Low-Power "economy" Mode) ensures high brightness for use in most any conference room or classroom setting.

◆ The projector includes a friendly graphical user interface (GUI) menu screen that makes it easy to precisely set up the projected picture for a flawless presentation. The on-screen interactive help and easy system integration with multiple connectivity options ensure simple setup and operation.

◆ The projector incorporates extensive theft deterrent features including Sharp's "through the optical block" lockdown system, key lock function, Kensington Lock compatibility and optional security cable for use with ceiling mounting bracket.

◆ Low Power Mode extends the lamp life to 3,000 hours, and significantly reduces fan noise and power consumption for quiet, economical projector operation.

◆ Slim, compact design. Perfect for permanent installations as well as mobile presentations. Weighing under 9 lbs., the projector can be easily moved from classroom to lecture hall or boardroom to meeting room.

◆ Remote control with wireless mouse function offers convenient remote control of standard operations, plus wireless mouse, and "enlarge" and "freeze" presentation support.

◆ Sealed optics (air filter is not required) prevent dirt and dust from entering the optical system. Minimizes maintenance cost and extends operating life.

Specifications:

Display: Single 0.7" DDR DLP 12° with Air Bearing 3x Speed / 4-Segment Color Wheel.

Resolution: XGA (1024 x 768) Native up through SXGA+ (1400 x 1050) with ImageACE Resizing

Contrast Ratio: 1200:1

Lumens Brightness: 2500 (Standard Mode); 2000 (Economy Mode)

Lens: 1.5x Power Zoom/Focus

Projection Distance (for 100" Diag. Screen): 9.8' - 14.8' (Throw Ratio 1.5 – 2.2)

Lamp Life: 2000 Hours (Std Mode); 3000 Hours (Eco Mode)

Fan Noise (standard / eco mode): 35dB / 30dB

Computer/RGB/Component Inputs: Two (HD15) RGB Monitor Loop-Through Yes (HD15)

Video Inputs: S-Video , Composite (RCA) (L/R)

Audio I/O: Two audio inputs plus Line Output (selectable Variable or Fixed) [mini connectors]

RS-232C Input: Yes (9 pin mini DIN)

LAN Connectivity: With optional AN-LS1 Ethernet to RS-232C Interface

Dimensions: 12.2 x 4.1 x 11.3" (WHD), 8.8 lbs.

Supplied Accessories: Remote control with wireless mouse function, 10' RGB and USB cables, case

Optional Accessories

Ceiling Mount Bracket *(SHANMBCM10)*...**219.95**

Angle Mount Joint *(SHANJT200)* **62.95**

16" Security Cable *(SHANCMCSS16)* **129.95**

46" Security Cable *(SHANCMCSS46)* **144.95**

10' Video Cable *(SHANC3CP)*
3-RCA to 15-pin HD D-sub cable.................**44.95**

RS-232C Adapter *(SHANA1RS)*
6" cable. 9-pin DIN to 9-pin D-sub..............**29.95**

Wheeled Carry Case *(SHANC500WCC)* **314.95**

Shipping Case *(SHANC500SC)*......................**524.95**

Ethernet to RS-232C Adapter *(SHANLS1)*
3.3 x 3.9 x 1.1" (WDH); it weighs 0.4 lbs..**314.95**

VPL-ES3

SVGA 1500 Lumens SuperLite LCD Mobile Projector

The ultimate choice for mobile presenters looking for an all-in-one communication tool, the VPL-ES3 is also flexible enough to serve as a home-entertainment solution. Combining a sleek, lightweight design with bright, crisp images for professional presentations during the day and entertainment at home during the night, the projector incorporates easy-to-use setup features with a bright 2000 lumens picture to deliver presentations at sales meetings, training seminars or in the executive boardroom. High-brightness and multimedia connectivity, including a video input, enables it to serve as a home entertainment source. For fast, easy setup, Auto Set-Up takes the hassle out of setup. The lens, tilt, input search, keystone and pixel are automatically adjusted with a touch of a button. Component video input and six video modes give multiple options to connect to PCs, DVD players, game consoles and more. The VPL-ES3 weighs just over 6 lbs. and packs into a small case for carry-on convenience. Whisper-quiet, it produces only 30dB of fan noise helping to avoid distraction during presentations. Also, Sony's "off and go" feature allows the fan to continue to run after the power is turned off, eliminating the wait for the projector to cool.

High Performance

◆ Component input for connection to DVD players and to accept HDTV signals.

◆ The VPL-ES3 has a black level adjustment function. This mode can emphasize black levels and has 3 settings "High", "Low", and "Off". The user can now optimize settings for their viewing pleasure.

◆ VPL-ES3 is equipped with a zoom lens that has a focal length of 2.3mm at 80" enabling large sized images to be projected, even in a limited space.
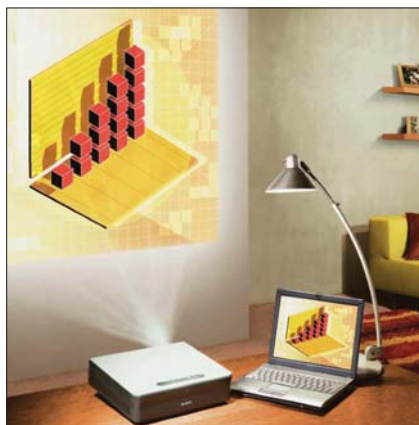
Easy Setup

◆ Press the "on" button and the projector will complete the following steps automatically, ensuring ease of operation:

— Lens protector opens automatically

— Projector tilts to previously used angle

— Auto keystone correction is completed

— Auto input search occurs

— Smart auto Pixel Alignment (APA) is done

◆ Vertical keystone distortion of up to ±20° is automatically corrected according to the tilt angle. This means images can be projected with correct geometry even when installation space is limited.

◆ Smart APA (Auto Pixel Alignment) function automatically sizes and adjusts PC image displays for optimum picture performance allowing users to concentrate on their presentations, rather than time-consuming technical adjustments.

◆ The VPL-ES3 boasts six special picture settings, "Dynamic", "Standard", "Game", "Living", "Cinema" and "Presentation", to ensure the best possible picture quality for every application. With these settings users can select the most suitable mode for their purpose.

High Performance

◆ Fan noise has been reduced by improvement of the cooling system. The low fan noise (33db standard mode) enables business presentation without the disruption, or the full enjoyment of a favorite movie.

◆ The VPL-ES3 is designed for use in a variety of environments and includes screw holes on the bottom plate are provided for use with a suspension-type bracket.

◆ Compatible with NTS, NTS44.3, PAL, PAL-M/N, PAL60 and SECAM standards. Also compatible with HDTV (480i, 480p, 720p, 1080i) signals.

◆ Equipped with RS-232 port which allows external control of the projector.

◆ D-sub 15-pin monitor output lets you send images to a computer or second projector.

◆ Variable audio out allows the user to control the audio level right from the projector. This centralization of video and audio controls from the projector helps in educational applications by ensuring the technical quality of the presentation and eliminating the fuss of separate outside audio controls.

SONY

VPL-ES3

Security

◆ Control panels on both the top and the side of the projector can be locked, preventing inadvertent or unauthorized use of controls. Functionality can be switched 'on' or 'off'.

◆ Once a user sets a password, the projector cannot be used without it. This prevents unauthorized use of the projector. (If the password is lost, Sony is able to retrieve it.)

◆ It is possible to connect to an optional security cable such as a Kensington lock.

Conveniences

◆ The OSD (on-screen display) for projector control is available in 15 languages: English, Dutch, French, Italian, German, Spanish, Portuguese, Russian, Swedish, Norwegian, Japanese, Chinese (Simplified), Chinese (Traditional), Korean, and Thai.

◆ When set to "On" in on screen menu "Power Saving" the VPL-ES3 goes into power saving mode if there is no operation for 10 minutes with no signal input.

◆ Can freeze a picture when a signal from a PC is input. During the picture freeze, the presenter can operate the PC for setting up the next presentation file or images.

◆ Up to 4x digital zoom is available which can be controlled via the supplied Remote Commander unit. One section of the projected image can be zoomed in to show details of the image.

◆ The VPL-ES3 can mute the picture and audio temporarily. It is useful for video presentation or class room applications.

◆ When power is switched on, the powered lens protector opens automatically. No more wasted time looking for a missing lens cover; It's always on the projector.

◆ Offers power tilt adjustment, with a simple push of the button the angle of the unit, relative to the screen can be adjusted.

◆ Supplied accessories include remote control, carrying case and security label.

VPL-ES3 SPECIFICATIONS	
Projection System	3 LCD panels, 1 lens projection system
Panel	Super high aperture 0.63"; TFT LCD 1,440,000 pixels (480,000 pixels x 3)
Projector Display	LCD 1.3" TFT (Thin Film Transistor) Polysilicon Type x3 with Micro Lens Array
Lens	1.2x Zoom; 18.8 - 22.6mm f/1.6 - 1.94
Lamp	165W
Lamp Life	2000H (lamp mode high); 3000H (lamp mode standard)
Screen Size	40" to 300" (measured diagonally)
Light Output	2000 ANSI lm (lamp mode high); (Standard: approximately 1500 ANSI lm)
Contrast	300:1
Color System	NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60
Resolution	RGB: 800 x 600; Video: 500 TV lines
Computer Signals	fH: 19-92kHz, fV: 48-92Hz up to SXGA+
Video Signals	15kHz RGB/Component 50/60Hz; Progressive Component 50/60Hz; DTV (480/60i, 575/50i, 1080/60i, 480/60p, 575/50p, 1080/50i, 720/60p, 720/50p) Composite video, Y/C video
Speaker	Mono 1w (max.) x 1
Power Requirements	AC 100 to 240V, 50/60Hz
Power Consumption	220w max; 10w standby
Fan Noise	29 dB (lamp mode standard); (36 dB when the lamp mode is high)
Dimensions (WHD)	12.1 x 3.9 x 9.9" (without projecting parts)
Weight	6.39 lbs.
OSD (language)	15 - language (English, French, German, Italian, Spanish, Portuguese, Japanese, Chinese (Simplified/Traditional), Korean, Russian, Dutch, Norwegian, Swedish, Thai)
Inputs	RGB/Component - HD D-sub 15 pin x 1; S-Video - Mini DIN 4 pin x 1; Composite - RCA pin x 1; Audio - Stereo mini x 1
Outputs	RGB - HD D-sub 15 pin x 1; Audio - Variable audio out
Remote In/Out	RS232C - D sub 9-pin
Supplied Accessories	Remote Commander; CR2025 lithium battery; HD D-sub 15-pin cable, Carrying case and Security label; Operating Instructions (CD-ROM); Quick reference manual and Safety regulations

The VPL-ES3 is available in Black (SOVPLES3B) **or White** (SOVPLES3W) **color.**

VPL-ES3 Accessories

Replacement Lamp (SOLMPC162)............**389.95**   **Mounting Bracket** (SOPAM100).................**194.95**

SONY

VPL-CS20A • VPL-CX20A

Ultra-Portable SVGA and XGA 2000 Lumens Projectors

The VPL-CS20A (SVGA) and VPL-CX20A (XGA) are highly portable and compact projectors, each with a brightness of 2000 lumens. Weighing just 4.2 lbs and a little more than 2" tall, they are among the lightest LCD projectors currently available and among the brightest in the sub-5-pound category. The VPL-CX20A offers exceptional picture quality to enhance presentations, while the VPL-CS20A is perfect for showing video content or presentations. Both feature advanced intelligent auto setup with auto-focus functionality, as well as a short focal length lens that allows full-size images even in cramped meeting rooms. The projectors use a 3-LCD panel system to produce natural and bright images. The image reproduced is gentle on the eyes without causing color break-up, also known as the "rainbow effect". 3-LCD technology's full light processing allows for high light efficiency but also true expression of intermediate colors so users can enjoy lifelike reproduction of dark and shadow sections. Other features include a password-authentication system, control panel key lock, security lock, and multi-scan converter capability for accepting a variety of inputs. For convenience, they offer selectable lamp wattage, on-screen multi-language set-up menu, and freeze and digital zoom functions.

FEATURES

High Quality

◆ These high-quality projectors are truly portable - they are ideal for field sales staff, trainers and others who are always on the move. Slim, attractive units, they slip easily into a computer bag.

◆ No need to turn out the lights! The VPL-CS20A and VPL-CX20A deliver 2000 ANSI lumens - bright enough to be clearly seen in normal room lighting. Your listeners can take notes and follow along with your handouts.

◆ Smart APA automatically sizes and adjusts the display for optimum picture performance, whatever the input signal.

Short Focal Length Lens

The short focal-length lens enables a large screen size from a short throwing distance. An 80" image can be projected from a distance of 7.5'. Viewable area, measured diagonally. The projection size that can be adjusted with the automatic focus adjustment is from 40" up to 150".

Intelligent Auto Setup

◆ With Automatic Setup you just plug them in and turn them on - the projector raises, keystone corrects, auto focuses, and locates the input - all automatically - so you can concentrate on the presentation!

— Powered tilt adjuster sets the projectors height to the previous setting which is stored in memory. The shooting angle can be set using the power-operated tilt adjuster via keys on the body or the supplied Remote Commander. The new setting is retained in memory and instantly recalled the next time the projector is used.

— Vertical keystone distortion is automatically corrected according to the tilt angle up to 15°. This means images can be projected with correct geometry even when installation space is limited.

— The focus is adjusted automatically by the built-in auto focus module.

— They automatically check input connectors and select the one to to which an input signal is supplied. Images are projected from the moment the power is turned on.

High Performance

◆ Built-in scan converter allow them to accept composite and S-Video or RGB video signals. They are also compatible with HDTV (480p, 720p, 1080i) signals, as well as NTSC, PAL, SECAM , NTSC4.43, PAL-M, PAL-N and PAL 60.

◆ They are equipped with Off & Go feature that lets you to keep moving. It allows you to unplug the projector without waiting for the projector to cool down. A built in circuit allows the cooling fan to continue running even when the power is cut.

◆ "Freeze" function allows you to freeze-frame a presentation on the projector, allowing the audience to see only that slide, while you toggle your document on your PC desktop. When you are ready, you simply depress the freeze function and the audience is none the wiser.

◆ Their On-Screen Display for projector control is available in 15 languages: English, Dutch, French, Italian, German, Spanish, Portuguese, Russian, Swedish, Norwegian, Japanese, Chinese (Simplified), Chinese (Traditional), Korean, and Thai.

VPL-CX20A • VPL-CX20A

Conveniences

◆ Do you want to emphasize a point in your presentation? The Digital Zoom feature of the VPL-CS20A and VPL-CX20A allows any designated section of the projected image to be zoomed in up to 4x larger.

◆ You can mute the picture and audio temporarily. It is useful for video presentation or class discussions.

◆ As the lens protector is always settled on the projector, there is no need to detach the cover before turning on the power.

◆ Fan noise has been reduced by improvement of the cooling system

◆ When set to "On" in on screen menu "Power Saving" they go into power saving mode if there is no operation for 10 minutes with no signal input.

Anti-Theft Features

◆ Highly portable could mean easily lost, but Sony built in features to protect you.

– Password protection prevents unauthorized usage. Once a user sets a password, the projector cannot be used without it.

– The control panels on both the top and the side of the projectors can be locked, preventing inadvertent or unauthorized adjustments.

– There's even a Kensington style lock port for physical locking with an optional security cable such as Kensington's.

Supplied Accessories

◆ Includes RM-PJ3 Remote Commander, HD D-sub 15-pin cable, AV Connecting Adapter, Carrying Case, Security Label, 2-pole AC power cord

Optional Accessories

Replacement Lamp (SOLMPC162) **389.95**

Presentation Kit (RM-PJPK1) ....**CALL**

Signal Cable (SMF-402): HD D-sub 15-pin (male) to 3 x pin (male) ....**CALL**

	VPL-CS20A	VPL-CX20A
Native Resolution	SVGA (800 x 600)	XGA (1024 x 768)
Display Technology	0.63" LCD Panel Active Matrix TFT x3	0.63" LCD Panel Active Matrix TFT x3
Input Sources	RGB (15-pin D-sub), video (S-Video and RCA), audio (3.5mm Stereo mini jack)	RGB (15-pin D-sub), video (S-Video and RCA), audio (3.5mm Stereo mini jack)
Computer Compatibility	SXGA, SVGA, VGA, UXGA, Macintosh	SXGA, SVGA, VGA, UXGA, Macintosh
Video Compatibility	NTSC, PAL, SECAM, SDTV (480i, 480p, 576i) HDTV (750p, 1125i)	NTSC, PAL, SECAM, SDTV (480i, 480p, 576i) HDTV (750p, 1125i)
Max ANSI Lumens	2,000 ANSI lumens	2,000 ANSI lumens
Contrast Ratio	300:1	300:1
Projection Lens (std.)	1.2:1 Zoom with power focus & zoom	1.2:1 Zoom with power focus & zoom
Throw Ratio	1.8:1	1.8:1
Projection Distance	4.8' to 24.3'	4.8' to 24.3'
Image Size (Diagonal)	40" – 300"	40" – 300"
Lamp (Bulb)	165W UHP	165W UHP
Bulb Life Expectancy	3,000 hours	3,000 hours
Aspect Ratio	4:3 (standard) 16:9 compatible	4:3 (standard)
Screen Projection	Front and Rear	Front and Rear
Ceiling Mountable	No	No
Keystone Correction	±15° vertical Correction	±15° vertical Correction
Built-in Speaker (audio)	1 Watt Mono	1 Watt Mono
Power Requirements	100V - 240V	100V - 240V
Power Consumption	220 Watt	220 Watt
Dimensions (HLW)	2 x 8.3 x 10.75"	2 x 8.3 x 10.75"
Weight	4.2 lbs.	4.2 lbs.

Advanced Intelligent Auto Setup

Enjoy one-stop, automated setups for your projector. Using this feature, you can save your preferred settings in the memory for easy recall anytime. Simply switch on the projector and start presenting immediately - so you can concentrate more on your presentation and less on preparation.

SONY

VPL-CX70 • VPL-CX76

2000 and 2500 Lumens XGA Projectors

Designed to eliminate set-up hassles while offering an intelligent network solution for businesses, the VPL-CX70 and VPL-CX76 take the stress out of technology with easy to use features. Weighing just over 6 lbs. the portable VPL-CX70 can easily be transported between meeting rooms for inner office use. It features three LCD panels with one lens projection, producing 2000 lumens and a 10-12' throw distance. With a sleek design and intelligent set-up that automatically performs keystone correction (vertical and horizontal), the VPL-CX70 is simple to turn on and operate, with the power to deliver crisp clear, business presentations.

Very similar, the VPL-CX76 steps up with 2500 lumens for superior image quality. It is also equipped with a wireless transmission and control system, so presentations can be delivered wirelessly through an 802.11b/g wireless network card—no more cable clutter. It also allows the projector to be connected to a centralized information sharing point. Last, the projector has Memory Stick flash media capabilities, giving users the option of delivering their presentations without having to connect to a PC.

FEATURES

High Quality

◆ Adopting Sony's original virtual light system with super high aperture liquid crystal panel and bright 165W UHP lamp, they accomplish best-in-class brightness. Outstanding image quality is assured, even in bright rooms.

◆ Employing Sony's exclusive Virtual Lighting Source System with 0.79" LCD panels, the VPL-CX70 delivers an impressive 2000 lumens. The addition of a micro-lens assembly in the VPL-CX76 allows it to deliver a very powerful 2500 lumens.

◆ In addition to vertical correction, ±20° Side Shot digital horizontal keystone adjustment effortlessly aligns the picture and provides the convenience of placing the projector off-center to the center of the screen. Flexible installation when space is an issue.

Flexible Installation

◆ They can be tilted upwards or downwards by up to 90°, making them ideal for rear-projection applications.

◆ They can be ceiling mounted or used for rear projection. Screw holes on the bottom plate are provided for use with a suspension-type bracket.

◆ They have a built-in scan converter that allows them to accept computer signals ranging from VGA up SXGA (1400 x 1050). USB input is also available for wireless mouse control. For video, they accept composite, S-Video, and RGB/component signals. They are compatible with NTSC, PAL, SECAM, NTSC4.43, PAL-M/N, PAL60 video standards. They are also HDTV (480i, 575i, 480p, 575p 720p, 1080i) compatible.

High Performance

◆ If you want to emphasize a point in your presentation, their 4x digital zoom allows any designated section of the projected image to be zoomed in up to 4x larger.

◆ They incorporate a built-in circuit that continues to run its cooling fan after the power is cut. Known as Off & Go, this feature allows you to unplug the projector and carry it away without waiting, because the fan continues to cool the unit.

◆ The VPL-CX70 and CX76 are incredibly quiet projectors. The latest in noise modeling techniques have been used to achieve whisper-quiet fan noise via low turbulence air flow paths. A custom designed low speed fan system further reduces noise without sacrificing cooling capacity.

◆ A short focal-length lens that enables a large screen size from a short throwing distance. An 80" image can be projected from as close as 8.5'. This is invaluable when room space is limited, but a dynamic presentation is needed. In addition, power focus and zoom are easily controlled from the supplied remote control.

Innovative Style and Portable

The VPL-CX70 and VPL-CX76 set the standard in visual styling with their simple and elegant external design. With just the buttons most commonly used located on a sleek top panel, their overall appearance is flat and smooth, making them both attractive and easy to carry. Other buttons and the connectors are concealed behind a cover when they are not being used, adding to their smart appearance.

VPL-CX70 • VPL-CX76

Conveniences

◆ The VPL-CX70 and VPL-CX76 are supplied with the RMPJM17 full function IR Remote Commander, providing complete set up and operational control. The VPL-CX76 is also supplied with the RM-PJP1, a very stylish, simple controller for delivering presentations with the Air Shot Wireless feature, and incorporates a laser pointer.

◆ Standby power consumption of less than 0.5 watts is achieved, making them highly eco-friendly projectors.

◆ They can mute the picture and audio temporarily, which is very useful for video presentation or class.

◆ Control panels on both the top and the side of the projector can be locked, preventing inadvertent or unauthorized adjustment of the controls.

◆ The projectors can be password protected. Once you set a password, they can't be used without first entering the password, which prevents unauthorized use and theft. A security password sticker comes with the projectors.

◆ It is also possible to connect them to an optional security cable such as Kensington's.

◆ The On-Screen Display for projector control is available in thirteen languages: English, Dutch, French, Italian, German, Spanish, Portuguese, Russian, Swedish, Norwegian, Japanese, Chinese, and Korean. Its position and color can be altered, depending on user preferences.

◆ Lamp wattage is selectable between 165w and 135w in the menu.

◆ They can be set to go into "power saving" mode if there is no operation for 10 minutes with no signal input.

◆ The have a "Freeze" function that allows the presenter to freeze-frame their presentation on the projector, allowing the audience to see only that slide, while the presenter can successfully toggle their documents on the PC desktop. When ready, the presenter can depress the freeze function and the audience is non the wiser!

Optional Accessories

Replacement Lamp (SOLMPC161)..............**364.95**
HD D-Sub 15-Pin Cable (SMF402)................**CALL**
Mounting Bracket (SOPAM100) **194.95**

Intelligent Auto Setup with Auto Focus

Sony's advanced menu of Advanced Intelligent Auto Set-up functions - Auto Lens, Auto Tilt, Auto Input Search, Auto Keystone Correction, Auto Pixel Alignment and Auto Focus - enable each function to be initiated as soon as the user turns on the projector.

1) Power Lens Protector
When power is switched on, the powered lens protector opens automatically. No more wasted time looking for a missing lens cover; it's always on the projector. When in use, it hides behind the cabinet automatically.

2) Powered Tilt Adjuster
Projector angle can be set using the power-operated tilt adjuster via the supplied remote commander. The new setting is stored in memory and is instantly returned to the position the next time the projector is turned on.

3) Auto Keystone Correction
Vertical keystone distortion is automatically corrected according to the tilt angle. Keystone distortion can be corrected by ±30°, so images can be projected with the correct geometry even when installation space is limited.

4) Auto Focus
Focus is adjusted automatically by the built-in Auto Focus system when the projector is turned on. That means you won't waste time waiting for the picture to be displayed and then adjusting the focus. Auto focus can be adjusted up to 40" up to 150".

5) Smart APA (Auto Pixel Alignment)
The Smart APA function automatically sizes and adjusts the PC image for optimum picture performance allowing users to concentrate on their presentations, rather than time-consuming technical adjustments.

6) Auto Input Search
Auto Input Search checks the projector's input connectors and automatically selects the input with a supplied signal. Your image is projected form the moment you turn the projector on.

Air Shot Wireless and PC-Less Presentations *(VPL-CX76 Only)*

◆ The VPL-CX76 features Sony's Air Shot wireless transmission function, which eliminates the need for cable connections between a computer and the projector. This convenient feature makes it easy to switch presentations from one person to another— the presenter simply passes a USB wireless LAN module to the next presenter. It also allows mobility between a computer and the projector, so that you can pick up your computer and walk to another part of the room without fumbling with a cable.

◆ Up to five VPL-CX76's can be connected wirelessly, with the image from a single PC projected on each. This is ideal for large venues in which images have to be projected from various locations. In any of the various Air Shot configurations, including Simple Mode, LAN configuration, and multi-connection configuration, all VPL-CX76's can be accessed via a web browser. Monitor and control projector status over the network using the built-in web server and SNMP compliance for vastly simplified service and maintenance in multi-projector installations

◆ Photos and video clips can be run right from the VPL-CX76 using standard or duo-sized Memory Stick media. This means there is no need for a PC. The system can directly project JPEG, including digital photo (DCF standard) and MPEG1 movie formats. Projected images can be directly controlled with the RM-PJM17 Remote Commander. PowerPoint presentations, BMP, and TIFF files can also be projected by converting them to JPEG files, using the supplied Projector Station for Presentation software application, and saving them to a Memory Stick.

VPL-CX80 • VPL-CX86

3000 Lumens XGA Projectors

The VPL-CX80 and VPL-CX85 are state-of-the-art, compact projectors that boast an incredible brightness of 3000 lumens by adopting a 0.79" LCD panel and advanced optical technology. These XGA (1024 x 768) projectors come in a compact and stylish design that is suitable for almost every environment, including high ambient-light conditions. Clear presentations can be made in classrooms and meeting rooms with an a capacity of up to 50 people. They are a easy to set up using the Intelligent Auto Setup feature that instantly readies your projector for use at the push of a button. Their Side Shot feature allows you to place them off-axis from the center of the screen. Furthermore, with a cooling system and fan based on the latest technology used in consumer projectors, they run very quietly so as not to disturb your presentations. Otherwise the same, the VPL-CSX86 steps up with Sony's enhanced Air Shot technology providing 802.11b/g wireless networking capability for even faster wireless presentation capability. It also offers the option to deliver a presentation without a PC using MemoryStick flash media.

Step-up features from the VPC-CX70 / VPC-CX76 (previous page)

◆ They utilize Sony's unique Virtual Lighting Source System with 0.79" LCD panel and 190W lamp to reproduce bright images at 3000 lumens. There is no need to turn off the light during the presentation or class.

◆ 10-bit 3D Gamma correction circuit assures superb gray scale and uniformity. Fine adjustments are to be made individually on the divided parts of the panel at the given signal level, assuring more accurate uniformity and control on the panel.

◆ In addition to the Password Authentication and Control Panel Lock, they also have a Security Lock making it possible to connect to an optional security cable such as Kensingtons.

◆ The VPL-CX80/86 is equipped with two HD 15-pin inputs and one HD 15-pin output (monitor out) connector. They also have variable audio out, so it is possible to control its volume with the projector's commander.

◆ High Altitude Mode for use as high up as 5000' to 8500'.

◆ With the HD 15-pin output, projected images can be monitored by connecting a PC monitor to the monitor output and placing it in the presenter's field of view. This allows the presenter to face the audience for a fluid and professional delivery.

◆ If the lens protector does not open automatically, it is possible to slide the protector manually. In that case, the lens protector will not be broken when opened by hand.

◆ Lamp wattage is selectable between 190w and 150w in the menu. When set to "High" (190w), brightness becomes higher. When set to "Standard (150w)", fan noise becomes lower. Users can select tway they prefer, high brightness or quiet operation.

◆ By adopting fan and designing cooling system from home projector cooling technology, the VPL-CX80/86 achieves low fan noise of 28dB in standard mode. In addition, offensive sound is reduced, thus presentation will run very smoothly without any disturbance.

VPL-CX86 Only

◆ Wireless connections can sometimes introduce delays when transmitting images to the projector. However, the VPL-CX86 employs a Sony original compression and transmission technique allowing for smooth, high-speed image transfer. This results in presentations with high-quality images.

◆ The Air Shot wireless feature offers a high level of security preventing cross-communication between projectors and PCs by using an encryption function, WEP (Wired Equivalency Protection). This secure transmission function is automatically set even in Simple Mode.

◆ Up to five VPL-CX86 data projectors can be connected wirelessly, with the image from a single PC projected on each. This feature is ideal for large venues in which images have to be projected from various locations.

Optional Accessories
Replacement Lamp *(SOLMPC161)* **364.95**

VPL-CX70/76/80/86 SPECIFICATIONS

	VPL-CX70	VPL-CX76	VPL-CX80	VPL-CX86
Native Resolution	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)
Display Technology	0.79" LCD Panel Active Matrix TFT x3 with Micro	0.79" LCD Panel Active Matrix TFT x3 with Micro	0.79" LCD Panel Active Matrix TFT x3	0.79" LCD Panel Active Matrix TFT x3 with Micro
Input Sources	RGB (15-pin D-sub), video (S-Video and RCA), audio (3.5mm mini jack)	RGB / Component (15-pin D-sub), video (S-Video and RCA), audio (3.5mm mini jack) 2x USB - 4 pin USB Type B Wireless 802.11b/g	RGB / Component (15-pin D-sub), video (S-Video and RCA), audio (3.5mm mini jack) 2x USB - 4 pin USB Type B	RGB / Component (15-pin D-sub), video (S-Video and RCA), audio (3.5mm mini jack) 2x USB - 4 pin USB Type B Wireless 802.11b/g
Output Terminals	Computer Monitor, audio (3.5mm Stereo)	—	Computer Monitor, audio (3.5mm Stereo)	Computer Monitor, audio (3.5mm Stereo)
Computer Compatibility	SVGA, VGA, XGA, UXGA, Macintosh	SVGA, VGA, XGA, UXGA, Macintosh	SVGA, VGA, XGA, UXGA, Macintosh	SVGA, VGA, XGA, UXGA, Macintosh
Video Compatibility	NTSC, PAL, SECAM, DVI, HDTV (1080i, 576p, 720p, 480p)	NTSC, NTSC4.43, PAL, PAL-M, PAL-N, SECAM, DVI, HDTV (1080i, 575i/p, 720i/p, 480i/p)	NTSC, NTSC4.43, PAL, PAL-M, PAL-N, SECAM,	NTSC, NTSC4.43, PAL, PAL-M, PAL-N, SECAM, DVI, HDTV (1080i, 575i/p, 720i/p, 480i/p)
Max ANSI Lumens	2,000 ANSI lumens	2,500 ANSI lumens	3,000 ANSI lumens	3,000 ANSI lumens
Contrast Ratio	350:1	350:1	350:1	350:1
Projection Lens (std.)	1.2:1 Zoom with power focus & zoom	1.2:1 Zoom with power focus & zoom	1.2:1 Zoom with power focus & zoom	1.2:1 Zoom with power focus & zoom
Throw Ratio	1.83 – 2.27:1	1.83 – 2.27:1	1.83 – 2.27:1	1.83 – 2.27:1
Projection Distance	80" to 100"	80" to 100"	3.8' to 29.5'	80" to 100"
Image Size (Diagonal)	40" to 300"	39" to 300"	39" to 300"	39" to 300"
Lamp (Bulb)	165W UHP	165W UHP	190W UHP	165W UHP
Bulb Life Expectancy	3,000 hours	3,000 hours	2,000 hours	2,000 hours
Aspect Ratio	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible	4:3 (standard); 16:9 compatible
Screen Projection	Front and Rear	Front and Rear	Front and Rear	Front and Rear
Ceiling Mountable	Yes	Yes	Yes	Yes
Keystone Correction	±30° vertical correction	±30° vertical correction	±30° vertical correction	±30° vertical correction
Built-in Speaker (audio)	1 Watt Mono	1 Watt Mono	1 Watt Mono	1 Watt Mono
Controls	Remote Control. 9-pin D-sub connector (RS-232C)	Remote Control. USB Port Memory Stick slot	Remote Control. USB Port Memory Stick slot	Remote Control. USB Port Memory Stick slot
Power Requirements	100V - 240V	100V - 240V	100V - 240V	100V - 240V
Power Consumption	240 Watt	240 Watt	280 Watt	240 Watt
Dimensions (HLW)	2.75 x 9.0 x 11.25"	2.7 x 9.6 x 11.7"	3.7 x 9.6 x 12.9"	2.7 x 9.6 x 12.9"
Weight	5.8 lbs.	6.4 lbs.	8.6 lbs.	8.37 lbs.

VPL-PX41

XGA 3500 Lumens Networkable Projector

The VPL-PX41 is ideal for multi-room installations in business or educational applications where networked projectors increase efficiency. It is packed with features designed to meet the requirements of diverse users in corporate, educational and rental environments. It is suited for use as a stand-alone display, integration in larger systems and connection to a Local Area Network (LAN). Outputting 3500 ANSI lumens with XGA resolution it's bright enough to light up very large screens while the high contrast ratio ensures crisp and detailed images. The power to clearly display images even in high ambient light conditions make it ideal for classrooms and meeting rooms.

It features native XGA resolution, can to be tilted 90° up or down, TCP/IP network control, a unique password authentication system, and a laser pointer remote control. A variety of installation options are available through a choice of ceiling-mount, floor-mount, or rear-projection capabilities and it can be fitted with a choice of three interchangeable optional lenses for applications which require a shorter or longer throw distances.

It offers an array of networking functionality, such as a 10Base-T/100Base-TX Interface, Simple Network Management Protocol (SNMP) compliance for device monitoring, and Web-based control. Users can receive e-mail notifications about the unit's status to make preventive maintenance and trouble-shooting easier.

FEATURES

High Picture Quality

◆ With an optical system incorporating Sony LCD panels and a 265 W UHP lamp, the VPL-PX41 offers an outstanding brightness of 3500 ANSI lumens. This brightness provides the power to clearly display images even in high ambient light conditions making it ideal for real-world display situations such as classrooms and meeting rooms.

◆ Three .99" LCD panels provide a native resolution of 1024 x768 (XGA) up to 1600 x 1200 (UXGA) for RGB inputs and 750 TV lines for video, creating computer graphics and video images with vivid detail and clarity.

◆ High 700:1 contrast ratio results in dynamic and captivating images. Contrast ratio measures the difference between a projectors brightest and darkest level.

◆ Driver for the LCD panel directly accepts digital signals; thus the projector is capable of projecting images with high accuracy.

◆ 3D Digital Gamma Correction simultaneously provides superb gray scale reproduction and helps to improve overall picture uniformity.

◆ Dynamic Detail Enhancer (DDE) generates high quality images through the Interlace / Progressive conversion processor. Signals of film-originated sources converted through 2-3 and 2-2 pull down are detected, resulting in extremely accurate image reproduction.

◆ For a crisper RGB image, the VPL-PX41 is equipped with an RGB Enhancer function. A simple adjustment provides heightened image quality to match any image source – whether text, photos, or graphics.

Presentation Effectiveness

◆ Using a built-in high-performance scan converter, it accepts a wide range of input signals: composite S-Video, Y/R-Y/B-Y, Y/PB/PR and RGB video, as well as analog and digital computer signals. Extending its potential even further, DTV signals (480i, 480p, 720p, 1080i) are also fully supported.

◆ 4x digital zoom function allows users to zoom in on any part of the projected image during a presentation.

◆ Improve the impact and effectiveness of presentations with stereo audio output from the built-in stereo-speaker system.

◆ The supplied user-friendly remote-control features a laser pointer and computer mouse control.

◆ The VPL-PX41 can be controlled via RS-232C and Control-S. The USB connection allows control of a PC presentation using the remote control supplied with the projector.

◆ Equipped with a user friendly remote control that features a laser pointer and computer mouse control. By using it and the USB port, presenters can be free to move about the room while making their presentation.

The VPL-PX41 has a comprehensive set of inputs and outputs including two RGB (15-pin D-sub) inputs, a DVI-D digital input, a 5 BNC input, four audio inputs, one monitor output (15-pin D-sub) and one audio output.

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VPL-PX41

Installation Flexibility

◆ The projector can be tilted up to 90° up or down, to greatly expand the application possibilities. Ideal for rear screen applications where space is at a premium and where HoloPro screens will be used.

◆ Many projectors need a cool down period or the projector lamp may be damaged which must be initiated by manual intervention or via an expensive control system. However, the VPL-PX41 can be connected to a simple wall switch for the purposes of powering on and off. There is no need for expensive control systems to correctly cycle unit power.

◆ Three optional lenses are available allowing you to customize the installation. No more "making do" - now you can get the best results whether the situation is short-throw, long-throw, or rear-projection.

◆ The VPL-PX41 has a user selectable feature which allows the projector's use to be password protected. Once set, no one can turn the projector on until the proper password has been entered.

◆ Keystone distortion, caused when the projection angle is not properly calibrated, can be easily corrected within a wide adjustment range of ±20°. The necessary adjustmentscan be easily made via the On-Screen Display.

◆ The On-Screen Display (OSD) provides easy projector control, and is available in a choice of nine languages: English, French, Spanish, German, Italian, Japanese, Chinese, Portuguese, or Korean.

◆ The 'Direct Power On/Off' function can be set to skip the standby mode, so that the projector can be turned on or off using a mains switch. A cooling fan continues to work after the power is cut, ensuring that the lamp is not damaged.

◆ The 'Off & Go' function is of importance to anyone planning to move the VPL-PX41 between various rooms or locations. As the fan continues to work after the projector is switched off, it allows for fast tear down after events and will protect the projector and lamp if unplugged immediately after use. Mobile users will be also appreciate the built-in handle to improve portability.

◆ The network functionality of the VPL-PX41 allows the projector to be remotely controlled and monitored from a remote location via a web-based TCP/IP SNMP compliant control system. (SNMP is the industry standard protocol for management and maintenance of equipment on LANs.) Functions such as power on/off can be accomplished via a LAN connection. When the VPL-PX41 is connected to a LAN, users or administrators can check its status, control the projector and change settings via a web browser at any time, from any location. E-mail reports are easy to set up, which will alert the user or equipment manager of any problems or errors immediately and prevent maintenance and lamp replacement being forgotten.

◆ Up to four email addresses can be included in the email recipients' list. These features save time and money and ensure that any issues are noticed early, not when the projector is switched on at the beginning of an important meeting or event.

VPL-PX41 SPECIFICATIONS	
Projection System	3 LCD panels, 1 lens projection system
Panel	0.99" p-Si TFT LCD with Micro Lens Array; 2,359,296 pixels (786,432 pixels x3)
Projection Lens	Approx.1.3x zoom lens, 37.7-48.8mm f/1.7-2.3
Lamp	265w UHP lamp; Lamp life approximately 3000 hours
Screen Coverage	40" to 300" (viewable area, measured diagonally)
Light Output	3500 ANSI lumens
Color System	NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60
Resolution	Video: 750 TV Lines, RGB: 1024 x 768 Pixels
Computer Signals	RGB (fH: 19 to 92kHz, fV: 48 to 92Hz (Up to UXGA - fV 60Hz))
Video Signals	15kHz RGB/Component 50/60Hz; Progressive Component 50/60Hz; DTV (480/60i, 575/50i, 480/60p, 575/50p, 720/60p, 720/50p, 1080/60i, 1080/50i), Composite video, Y/C video
Dimensions (WHD)	16⅝ x 5 x 12½"
Weight	17 lbs. 4 oz.
Inputs	HD-15-pin x2; 5 BNC for RGBHV or RGB x5; DVI-D x1; Mini Audio x2; S-Video x1; Composite A/V - RCA x1
Outputs	Computer Monitor x1; Mini Audio x1

Optional Accessories

Three optional lenses are available allowing huge adaptability to the requirements of different rooms and set-up environments.

Fixed Short Focus Lens (SOVPLLFM22)
For rear-projection. 0.9:1 throw ratio...**2199.95**

1.5x Zoom Long Focus Lens (SOVPLLZM102)
1.48-1.63:1 throw ratio **2199.95**

Short Focus Lens (SOVPLLZM32)
3.35-4.9:1 throw ratio **2189.95**

Replacement Lamp (SOLMPP260) **479.95**

Wheeled Road Case (SOVLCP40ATA)
A hard-sided case built to ATA specifications for protection from impact and weather. It is black, with aluminum trim, and features a retractable handle, lockable clasps, recessed wheels, and an internal storage area for accessories **489.95**

Projector Suspension Support (SOPSS610)
Ceiling mounting bracket.....................**289.95**

SONY

VPL-FX52

XGA 6000 Lumens Installation Projector

In auditoriums or business conferences, for seminars or school education, the VPL-FX52 lets you captivate audiences with a new world of breath-taking image quality—high-brightness output of 6000 ANSI lumens and high contrast of 850:1. That performance combined with the fact that it accepts a wide range of signals including digital signals means the VPL-FX52 can be used everywhere from large venue to meeting room applications. It can be mounted on a ceiling, on a floor, or installed in a rear projection system. In addition, there are three optional lenses available, so it has the flexibility to be used in a wide range of environments.

The VPL-FX52 can be connected to a network and incorporated on a LAN. It can be controlled remotely via the network, and you can receive e-mails from the projector which contain status updates. Content management includes the ability for users to present files located anywhere on the connected network or use the on-board memory to display presentations and files at ease with nothing but the projector's remote control unit. Seen from any angle, this beautifully designed projector brings an elegant and stylish addition to any display environment. Its outstanding functionality – including Sony-originated software and a networking capability – means you can show your presentations and image files from anywhere with the same impressive ease and results.

FEATURES

High Brightness, Contrast & Resolution

◆ Using Sony's exclusive optic design, it outputs 6000 lumens - enough to illuminate large screens even with harsh ambient light conditions. The high aperture ratio, 1.3" LCD panels, together with a Micro Lens Array, provide significant light transmission efficiency. Combined with a powerful 300 watt UHP lamp, it brings high-impact images to life with stunning color fidelity.

◆ 3D digital comb filter ensures that composite video is reproduced with very little dot crawl and cross-color errors. This enables the faithful reproduction of fine detail especially at the borders of objects in the video image.

◆ Dynamic Detail Enhancer generates high-quality images of outstanding clarity. For video sources, I/P (Interlace/Progressive) conversion is applied to project clear and sharp progressive images. When displaying film-originated sources, signals converted by 2-3 pull down are detected, and each frame of the original film is accurately reproduced.

◆ 3LCD projection system provides high light transmission, excellent color reproduction, smooth gradients in dark areas, and it helps to prevent color breakup.

◆ On small screens, or where ambient light can be controlled, light output can be lowered to 5100 lumens to extend lamp life.

◆ Direct digital XGA (1024 x 768) LCD panels ensure sharp and clean image reproduction. They accept digital signals directly without conversion to analog for stunning clarity.

◆ 1000:1 contrast ratio allows it to produce crisp images with accurate reproduction of even the most subtle image components.

◆ 3D Gamma Correction ensures that brightness and color are uniform across the entire screen. See consistent and accurate image reproduction down to the finest detail.

◆ RGB enhancing circuitry enhances incoming computer data, so that graphics are displayed with the utmost clarity and precision.

Inputs

◆ It accepts a wide variety of input signals, including composite, component, S-Video, and HDTV, as well as computer signals up to UXGA (fV: 60Hz), expanding its system-connection possibilities.

◆ It has a DVI-D input, to take advantage of the standard for the direct transfer of digital signals from a PC or a workstation. And because the projector is equipped with five BNC connectors, signals can be input from sources located far away from the projector.

◆ Install the VPL-FX52 with the confidence that it will handle virtually any signal thrown its way. Composite video; component video; HDTV and computer signals up to UXGA are "spoken" fluently with the VPL-FX52.

◆ The VPL-FX52 has 44 signal presets which will be matched automatically with input signals. This means that the VPL-FX52 will quickly sync and lock up to various input signals without having you intervene.

VPL-FX52

Installation Flexibility

◆ Easy to use and comfortable to hold, the included RM-PJM17 Remote Control is a presenters best friend. Offers complete projector control, wireless computer mouse control, and a laser pointer.

◆ A carefully designed chassis and a forward discharge air exhaust ensure that the meeting will be quiet and spectators will be cool and comfortable.

◆ The VPL-FX52 can be tilted up or down 90° making it ideal for rear screen and HoloPro screen applications.

◆ Direct Power On enables the projector to be turned on and off via a wall switch or circuit breaker. This is useful for environments that do not have sophisticated control systems, such as auditoriums and conference halls in museums and schools.

◆ Motorized zoom and focus functions allow users to easily adjust images to the desired settings from both the projector control panel or supplied remote commander unit.

◆ Even after the projector has been mounted or placed on a surface, powered picture shift enables the user to change the height of the projected image. This saves time during setup, helps the projector blend in to esthetically pleasing environments, and is essential for double stacking applications. Double stacked a pair of VPL-FX52's will produce an intensely bright, single image with an amazing 12,000 lumens.

◆ Has a 4x digital zoom which is ideal for enlarging spreadsheets and diagrams

◆ Thanks to a special side access slot, the air filter can be changed in seconds. No need to remove the projector from the mount, no screws or complicated mechanisms.

◆ Keystone correction of up to ±20° can be digitally corrected via the OSD. This enables detailed images to be projected with their correct geometry, even when installation space is limited.

◆ Projector functions can be controlled via on-screen menu available in any of nine different languages.

◆ With Smart APA (Auto Pixel Alignment) getting the most out of a projector has never been easier. Simply press one button, and the VPL-FX52 will optimize its settings for the best possible image reproduction.

Networking Capability

Because the VPL-FX52 is equipped with an Ethernet interface and complies with TCP/IP protocols, a number of network-based functions can be performed. Using a web browser, the projector's current status can, for example, be verified and simple settings can be checked and altered. The system can even be set up to send automatic e-mail reports for scheduled maintenance, including projected lamp life and error reports.

◆ The VPL-FX52 can be connected (wired) to a LAN. It can be assigned an IP Address or it can accept dynamic IP addressing. In addition, users can perform remote diagnostics on the projector, greatly saving time and money.

◆ Using a simple Internet browser, users can access and control the projector. The interface is a user friendly web page, but the control provided is completely professional strength.

◆ It's easy for management staff to keep track of the VPL-FX52's performance. Either by using an Internet browser to access the projector, or by using Sony's PJNet software, the VPL-FX52 can report back lamp hours used, operating status and it can be programmed to alert AV managers via an email message when it's time for maintenance.

VPL-FX52 SPECIFICATIONS	
Projection System	3 LCD panels, 1 lens projection system
Panel	1.3" TFT LCD panel with Micro Lens Array; 2,359,296 pixels (786,432 pixels x3)
Projection Lens	Approx.1.3x zoom lens, 50.8 - 64mm f/1.7-2.0
Lamp	300w UHP lamp
Screen Coverage	40" to 300" (viewable area, measured diagonally)
Light Output	6000 ANSI lumens (high lamp mode); 5100 ANSI lumens (standard lamp mode)
Color System	NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N
Resolution	Video: 750 TV Lines, RGB: 1024 x 768 Pixels
Computer Signals	fH: 19 to 92KHz, fV: 48 to 92Hz (up to UXGA 60Hz)
Video Signals	15k RGB 50/60Hz, Progressive Component 50/60Hz; DTV (480/60i, 575/50i, 480/60p, 575/50p, 1080/50i, 720/60p, 720/50p, 540/60p), Composite video, Y/C video
Dimensions (WHD)	19 x 6.6 x 19.9"; it weighs 23 lbs. 4 oz.
Inputs	Computer: HD-15 RGB - VGA (15-pin) x1; DVI-D x1 Video: Component: BNC x5; S-Video: 4 pin x1; Composite: BNC x1
Outputs	Monitor HD D-sub 15-pin x1; Video Out: Video, Loop Through BNC type S Video, Loop-through mini DIN 4-pin (male)

Optional Accessories

Replacement Lamp (SOLMPF300) ....**619.95**   **Mounting Bracket** (SOPR620) **194.95**

Optional Lenses: The VPL-FX52 is supplied with a power lens as standard. The VPL-FX52L, is not equipped with a lens making it ideal where a special lens is needed. Three optional lenses are available.

Fixed Short Focus Lens (SOVPLLFM21)...**2499.95**

1.1x Short Focus Zoom Lens (SOVPLLZM31) **2149.95**

1.5x Short Focus Zoom Lens (SOVPLLZM101) **2849.95**