



The Professional Video SourceBook

Section 9

Monitors & Prompters

Monitors

JVC.....	534-539
Panasonic.....	540-547
Marshall.....	548-549
Sony.....	550-562
FEC Rack's.....	563
Pioneer.....	563
Premier Mounts.....	564-565

Teleprompters

QTV.....	566-569
Listec.....	570-572
Mirror Image.....	573-575

TM-550

5.5-inch AC/DC Portable Monitor

Weighing just over 10 lbs. the full-featured TM-550 is designed for mobility and engineered for durability. It operates on standard AC power or with a battery pack (NB-G1 or NP-1B types). There is even a space-saving built-in battery recharger as well as a built-in speaker. The TM-550 also makes a powerful addition to any studio, from a master control room to a mini suite. It offers blue gun and underscan modes and can be rack mounted. The TM-550 also offers global compatibility accepting PAL and NTSC signals.



- 5.5" CRT with an 0.42mm aperture grill pitch. Weighs a little over 10 lbs for complete portability.
- Designed for both the studio and the field, any external power can be supplied. Internal slots accept JVC NB-G1 or NP-1B type battery packs. An optional bracket can also be mounted to accept Anton Bauer and PAG snap-on style batteries.
- Built in battery recharger (for NB-G1) so there's no need to carry a separate battery charger. Simply plug the TM-550 into an AC outlet to recharge batteries.
- Underscan switch conveniently located on the front panel allows the entire active picture area to be viewed.
- Color off switch (blue only mode) provides a monochrome display for precise noise inspection and Chroma/Phase adjustment.
- Accepts both NTSC and PAL signals with a push-button selection switch for global compatibility.
- Includes two composite video inputs (BNC) as well as an external sync input. Also two audio inputs.
- A compact, built-in 0.5W, 8cm diameter speaker offers audio monitoring. An ear-phone jack is also provided
- When no video input is detected the TM-550 automatically shuts down to conserve battery power.
- Sturdy metal cabinet assures the rugged durability needed for field applications.
- Includes a screen hood for convenience in the field as well as rear guards.
- 3RU high, there is an optional dual rack mount panel available for mounting in an 19" rack.

TM-L450T

4.5-inch Liquid Crystal Color Shutter Portable Monitor

A compact and portable 4.5-inch monitor, the TM-L450T incorporates new Liquid Crystal Color Shutter (LCCS) technology to deliver super brightness and high resolution. Unlike a conventional CRT monitor, LCCS utilizes a combination of a black and white CRT with a liquid crystal color shutter to deliver over 400 lines of horizontal resolution (most monitors this size are only capable of 250 lines). It also displays sharp images in the brightest environments, without getting washed out or annoying moire patterns. Ideal for ENG field production, video trucks, sports arena VIP seating and event videography.

- Highly-compact, the TM-L450T can be triple mounted in a 19-inch rack, only weighs 7-1/2 lbs with AC adapter.
- Dual BNC composite (NTSC or PAL) loop-through video and mono RCA audio inputs, plus RF antenna input.
- Integrated NTSC TV tuner, RF channels: VHF 1-12, UHF 13-62
- Display size adjustable for overscan, underscan and 16:9
- Blue only mode for color phase adjustment
- Detachable AC adapter accepts 100-240v, 50/60 Hz input. Can also be interchanged with 12v DC adapter.
- Adjustments and setup via menu include contrast, brightness, sharpness, chroma, phase, video system and channel settings.

9-inch Color Monitor

A space saving monitor, the TM-A9 delivers high quality pictures suitable for applications ranging from security to broadcast. 9-inch Full-Square CRT provides 300 lines of horizontal resolution for crisp images. Combined with the built-in comb filter, reduced size and rugged metal construction, this small but powerful monitor outperforms all monitors in its class.

- 9-inch CRT with 0.5mm stripe pitch and advanced circuitry, achieves high resolution of over 300 lines.
- Has composite video (BNC) and RCA audio input/output. Bridged output also provided.
- Built-in 8cm speaker
- Metal cabinet minimizes magnetic interference.
- Superior space-saving design allows two TM-9 units to be mounted side-by-side in a standard EIA rack .



- Lightweight, weighs only 15.3 lbs.

TM-910S 9-inch Portable S-Video Monitor

The TM-910S packs outstanding features and high performance in an affordable package. Designed for studio and field applications, it can be powered by AC or 12v DC sources such as battery belts, cigarette lighter, Anton Bauer or PAG batteries that mount directly (with optional adapters). In addition to switchable 4:3 or 16:9 aspect ratio and NTSC or PAL compatibility, it also offers production features such as pulse cross, underscan and Blue Only mode.



- Powered via 100-230v (50/60Hz) AC or DC through the convenient 4-pin XLR connector. A variety of 12v DC power sources can be used. Threaded mounting holes are also provided allowing Anton Bauer or PAG batteries to be attached with an optional mounting bracket.
- Accepts composite and S-Video signals in both PAL and NTSC formats.
- Comb filter circuit provides optimum chroma and luminance separation by preventing cross color and dot crawl interference.
- An easy to see Tally lamp is located on the of the monitor.
- AFC time constant can be decreased to allow viewing of images that have VCR generated jitter.
- In addition to S-Video inputs and outputs, two additional loop-through composite inputs and outputs are provided. Two RCA inputs with bridged outputs are provided for audio. An external sync input with loop-through is also provided
- Underscan mode allows viewing of the entire picture edge to edge.
- Pulse Cross mode allows precise viewing of horizontal and vertical blanking information
- Blue Only mode allows saturation color level adjustments as well as noise level checks to be easily done. White balance settings can also be verified by using the Color Off switch.
- Has a 3.5" side-mounted speaker powered by an internal 1 watt amplifier for audio monitoring
- Can be rack mounted individually or side-by-side in a 19-inch rack.

TM-A13S

13" Color Video Monitor

An incredibly affordable monitor, the TM-A131S is ideal for communications, education, training, demonstrations, and presentations, as well as surveillance. Includes a comb filter for enhanced picture quality, two composite inputs (BNC) and an S-Video input with bridged outputs and dual audio (RCA) input connectors. It is also PAL and NTSC compatible and can be rack-mounted as well.

- Two composite video (BNC) inputs and RCA audio input connectors. Bridged outputs provided. Channel A/B select switch on the front panel.
- Accepts both NTSC and PAL signals. Auto-detection mode identifies the input signal and automatically selects the mode.
- Comb filter and S-Video input provides 400 lines of horizontal resolution.
- Built-in 3-3/16" (8cm) round speaker with an audio output of 1 watt.
- Weighs 21 lbs. and has a mounting hole for rack installation.



- CPU picture control with default settings for contrast, brightness, chroma, and phase settings. All settings are adjustable via front panel controls.



TM-923/TM-123 9-inch/14-inch B&W Monitors

With high resolution of 700 lines horizontal resolution both monitors provide sharp reproduction of the finest details. Designed for surveillance applications, both can be easily rack mounted and configured for applications requiring either indoor or outdoor use. Multiple monitors can be looped using the convenient loop-through inputs.

TM-1650S

16-inch Production Monitor

The TM-1650S brings you bright, high resolution pictures with 550 lines of resolution. For maximum flexibility, it offers two composite and S-Video loop-through inputs as well as switchable component/RGB inputs. It also has a built in speaker and a full set of professional functions, which can be switched and finely adjusted using the simple on-screen menu.

- On-screen menu lets you customize the picture to your needs. Functions include switchable aspect ratio (4:3/16:9), temperature (6500°K/9300°K), video system (NTSC/PAL), BPS on/off, and brightness. Contrast, chroma and phase are adjusted via the front panel controls.
- Built-in 1W speaker
- Elegantly styled, it offers a space-saving design. A rugged metal cabinet protects the circuitry and the CRT
- Underscan mode for precise viewing of horizontal and vertical blanking area
- Blue Only mode allows color level adjustments and noise level checks to be done



- JVC's Brightness Peak Suppression (BPS) system allows the load on the CRT to be reduced, extending the life of the monitor. When BPS is activated, the system automatically moderates the levels of peak brightness without losing picture detail.

BM-H1300S/BM-H1900S

13-inch and 19-inch Broadcast Video Monitors

Designed for a wide range of applications, the versatile BM-H series deliver outstanding performance and quality. Professional features include 750 lines of horizontal resolution with SMPTE-C phosphors, on-screen user-friendly menu for fast and easy setup, switchable 16:9/4:3 aspect ratio, selectable color temperatures, and remote control capability—even of several monitors simultaneously. In addition, multi-system compatibility (NTSC, PAL, NTSC 4.43) and multiple inputs (composite, S-Video, component and analog RGB) will satisfy even the most demanding application. Last, their square metal cabinet with built-in handles adds the finishing touch.



FEATURES

High Resolution

- 13- and 19-inch in-line gun CRT with SMPTE-C phosphors and fine dot pitch of 0.28mm (BM-H1300S) and 0.40mm (BM-H1900S) delivers an outstanding 750 lines of horizontal resolution.
- Built-in CPU manages the circuitry to ensure a high level of consistency and stability in the key areas of color and picture reproduction and DC restoration. With a one-time digital parameter setting via the on-screen menu, there is no need for any further external adjustments.
- Beam current feedback compensates for the inherent drift of a CRT by continuously monitoring the ageing of each gun and feeding back the necessary compensation for long-term color stability.

On-Screen Menu

- Selection of aspect ratio (4:3/16:9), color temperature (6500°K/9300°K) white balance adjustment, etc. are easily done via the on-screen menu. The monitors can even be set up to compensate for the difference between RGB and composite video signals, eliminating the brightness shift when switching between inputs. Once set, parameters are stored in memory to ensure consistent reproduction.

Multiple Inputs

- They accept composite, S-Video, component and analog RGB in NTSC, PAL, and NTSC 4.43 (with auto detection) and accept 100 to 240v AC, 50/60Hz (with auto sensing). External sync and three audio inputs/outputs are provided as well.

Additional Features

- Optional RM-C550W wireless remote control adopts an ID system to operate, control and adjust several monitors, either individually or collectively.
- Underscan mode shrinks scanned area of the picture tube 5% enabling entire active picture area to be displayed, so you can detect intruding cameras and mic booms.
- Pulse Cross for precise viewing of horizontal and vertical blanking information
- Blue Only mode allows color level adjustments as well as noise level checks to be done.
- Tamper-proof function disables all front panel controls except audio volume.
- Built-in speaker and headphone jack

FEC Rackmounts for JVC Monitors

	FEC Accessory	Description	# Rack Units Required (1 RU = 1.75")	Rail Depth Required Between Front & Rear Cabinet Rails	Mounts On (F)ront Rail or (R)ear	Price
TM-550	RK550	Dual Rackmount Kit	3	12"	F	128.50
TM-A9	RK9UM9	Dual Rackmount for 2 TM-A9/TM-91S	6	15"	F	128.50
TM-91S	BP9UM9	Blank Panel for RK9UM9	6	-	-	39.95
or	WF1730M9	Waveform Adapter for Tektronix or similar	6	18"	-	118.95
TM-A9	RKMOB910	Dual rackmount kit for mobile applications (5RU)	5	14" - 25"	F&R	137.95
TM-A13	RKA13	Custom Rackmount Kit	8	10"	F	118.95
TM-910S	RK910S	Dual Rackmount for TM910SU	6	14"	F	128.50
	BP910S	Blank Panel for RK910SU	6	-	-	39.50
or	WF910S	Waveform adapter for Textronics or similar	6	19"	-	118.95
TM-910S	RKMOB910	Dual rackmount kit for mobile applications (5RU)	5	14" - 25"	F&R	137.95
TM-923	RK923	Dual Rackmount Kit for 2 TM-923	6	11"	F	113.95
TM-123	RK123	Custom Rackmount Kit	8	13"	F	113.95
BM-H1300S	RKBM13	Custom Rack Kit	8	15"	F	128.95
BM-H1900S	RKBM19	Custom Rack Kit	10	18" - 30"	F & R	156.50
TM-1650S	RK16ES	Custom Rack Ears	8	16"	F	118.95
TM-1650S	RKSL16	Complete rackslide kit, provides front and rear support	8	18" - 30"	F&R	188.95

DT-V2000S

20-inch Multi-Format DTV Production Monitor

Designed for broadcasters and post-production houses moving into DTV, the DT-V2000 is perfect for those who need a monitor that can do both NTSC and DTV. The DT-V2000 offers compatibility with four DTV formats — 1080/60i, 720/60p, 480/60p and 480/60i.

- The DT-V2000S accepts and automatically adjusts to four major DTV formats 1080/60i, 720/60p, 480/60p and 480/60i. It also accepts a range of analog NTSC inputs including composite, S-Video, and selectable component/RGB.
- For added convenience it can also accept and display computer inputs up to SXGA (1280 x 1024) via the 15-pin connector.
- The DT-V2000S is equipped to display both 4:3 and 16:9 aspect ratios. NTSC 4:3 resolution is 600 horizontal lines, in 1080i 16:9 mode, horizontal resolution is 900 lines.
- Optional wired remote control with ID system is available, so you can operate, control and adjust several monitors at one time, either individually or simultaneously.



- Selectable 6500K/9300K color temperature
- Offers a space-saving desktop design in tough metal body

DTV Format Signals

DTV Format	Signal Standard	Scanning Lines/Frame	Effective Sample x Scanning Lines	Field Frequency (Hz)	Line Frequency (Hz)	Sampling Frequency (MHz)	Interlace Ratio
480i	ITU-R BT.601-4	525	720 x 485	59.94	15734	54	2:1
480p	SMPTE 293M	525	720 x 483	59.94	31468.5	135	1:1
720p	SMPTE 296M	750	1280 x 720	60/59.94	45000/44955	148.5/148.351648	1:1
1080i	SMPTE 274M	1125	1920 x 1080	60/59.94	33750/33716.25	148.5/148.35168	2:1

HV-M300VS

30-inch High-Definition 16:9 Monitor

Packed with state-of-the-art digital technology, the broadcast-quality, variable scan, 16:9 HV-M300VS delivers sensational pictures with perfect color fidelity, as well as compatibility with every major format and input signal, including DTV. The ideal monitor for use with Digital-S machines, or with JVC's SR-W7 (page 131) W-VHS VCR to create a powerful presentation tool.

- Powerful wide-screen HDTV CRT with a center masking pitch of 0.68mm delivers over 550 lines of horizontal resolution.
- Full DTV compatibility with switchable 480i, 480p, 720p and 1080i formats.
- Beam current feedback system continuously monitors the aging of each gun and performs automatic compensation for long-term white balance stability.
- Underscan and Blue only mode, as well as a wide range of color temperatures
- Accepts 800 x 600 (4:3) RGB computer signals as well as a full complement of video signals (component, RGB, composite and Y/C) for exceptional flexibility. Also offers multi-format compatibility (NTSC, NTSC 4.43, PAL and SECAM).
- Automatic tracking for horizontal scanning frequencies from 15.5 to 60 kHz and vertical scanning frequency of 50 to 120 Hz. In addition to 16 signals preset in the memory, there is also a user-adjustable function.
- Expandable, the monitor comes with a "multi" terminal (15-pin connector) for external control of input switching. It also has an ID assignment function and system control terminal for individual or simultaneous control of a bank of monitors.
- Supplied RM-C550W remote control features an ID system, allowing you to operate, control and adjust several monitors, either individually or simultaneously.



GD-V4200PZW

42-inch Flat Plasma Monitor

Radically changing the way you see things, the GD-V4200PZW is a 42-inch wide-screen display featuring a flat screen and zero distortion, and variable wide aspect ratios from 4:3 to 16:9—all from a super-thin monitor only 3.5-inches deep. Amazingly versatile, it can be mounted horizontally or vertically, embedded in or hanging from a ceiling or a wall. Add S-Video, DVD, DTV and PC inputs, and it can be used in countless applications like multimedia presentations, as a video poster, or communicating real-time text and graphics. Ideal for museums, theaters, department stores, malls, stadiums, bus and train terminals, amusement parks and universities.



FEATURES

- Delivers crisp, bright pictures for both video and data. Video inputs include component, composite, S-Video, DVD, and DTV including JVC's W-VHS high-definition format. Accepts analog video signals in NTSC, PAL, SECAM and NTSC 4.43, as well. When connected to a PC via the RGB input, the monitor can accept up to XGA resolution signals (displays them at 640 x 480 in 4:3 or 852 x 480 in 16:9).
- The screen is totally flat, so there is no distortion or unevenness at corners or edges. And with a 160° viewing angle in both horizontal and vertical directions, you can set it up anywhere in a room.
- Just 3.5-inches deep, this ultra-thin monitor fits just about anywhere. Hang it on the wall, suspend it from the ceiling, or build it into a desk.
- Unlike conventional CRTs which are interlaced, a plasma display is non-interlaced. Meaning it uses every scanning line on the display. The result is flicker-free, crisp pictures which also eliminate eye fatigue over long periods of viewing.
- The monitor is immune to the effects of electromagnetic fields and X-ray radiation, which generate color shift and distortion on a normal CRT display. This allows applications in specialized environments such as factories and hospitals.
- 66% brighter than conventional monitors, it can be used outdoors or in very bright indoor environments.

What is a Plasma Screen?

A plasma display sandwiches ionized gas between two glass plates wired with electrodes. In one panel the electrodes are arranged vertically and in the other horizontally. When a voltage is applied between the electrodes, the surface electrical discharge on the protective layer causes ultraviolet rays to radiate, which in turn excite a phosphorous coating on the cells, causing light to be emitted through a glass plate to create an image. Color is obtained by using phosphors of different colors.

- Sophisticated circuitry for a remarkable 500:1 contrast ration. This means crystal clear pictures which leap out of the screen.
- High contrast ratio also means that displays of detailed tables like rail or airline schedules are much easier to read.

Optional Accessories:

TS-C4200P1W Desk Stand: Dimensions (W x H x D): 19-11/16 x 23-15/16 x x 27-5/8" (Vertical) 27-5/8 x 15-3/16 x x 17-13/16" (Horizontal)

TS-C4200P2W Wall Bracket: 0°, 5°, 10°, 15° Mounting Angle
Dimensions (W x H x D): 19-1/2 x 20-7/8x x 1-7/8"

TS-C420P3W Ceiling Mount: 0°, 10°, 20° Mounting Angle
Dimensions (W x H x D): 22-1/2 x 17-3/4 x 6-1/2"

JVC Monitors At A Glance

	Dimensions (WxHxD)	Weight (lbs)	Voltages
TM-550 (5.5")	8-11/16 x 5-7/16 x 13-7/16"	10.8	12v DC, 100-240v AC 50/60Hz
TM-L450T (4.5")	5-3/4 x 7-3/16 x 11-9/16"	7.7	12v DC, 100-240v AC 50/60Hz
TM-A9 (9")	8-3/4 x 8-15/16 x 12-1/2"	15.4	120v AC, 60Hz
TM-910S (9")	8-3/4 x 9-5/16 x 12-1/2"	15.3	12v DC, 100-240v AC 50/60Hz
TM-A13S (13")	14-1/2 x 12-1/4 x 14-11/16"	20.9	120v AC, 50/60Hz
TM-1650S (16")	15-5/8 x 13-1/4 x 16-1/8"	37.9	120v AC, 50/60Hz
BM-H1300S (13")	13-5/8 x 13-1/8 x 16-3/16"	35.7	100-240v AC, 50/60Hz
BM-H1900S (19")	17-3/4 x 17x 20-1/8"	66	100-240v AC, 50/60Hz
DT-V2000S (20")	18-3/4 x 16-1/8x 20-7/8"	69.6	120v AC, 60Hz
HV-M300VS (30")	31-1/2 x 21-5/8 x 21-11/32"	127.9	120v AC, 50/60Hz
GD-V4200PZW (42")	40-3/4 x 22-3/4x 3-5/8"	84	100-240v AC, 50/60Hz

PANASONIC

WV-BM SERIES

Black & White Video Monitors

Panasonic's B & W video monitors are available to suit almost any application. From basic CCTV to laboratory display, they deliver high resolution and crisp, detailed pictures. Operating controls and adjustments are conveniently located on the front panel. The WV-BM900 offers AC/DC operation for even more versatility. They all feature a rugged, metal cabinet and all can be rack-mounted using optional brackets (except the WV-BM1900). They do not provide audio inputs.



WV-BM500 5-inch B/W Monitor

- 700 lines of horizontal resolution ■ DC restoration, switchable
- Composite video input/output ■ External sync input/output
- Fixed scanning: overscanning 5%
- Front panel controls include contrast, focus, brightness, H/V hold
- Rack mountable

WV-BM503 5-inch B/W Monitor

Three WV-BM500's designed for 19-inch rackmount

WV-BM900 10-inch B/W Monitor

- 750 lines of horizontal resolution
- AC/DC operation
- DC restoration
- Composite video input/output (no external sync)
- Fixed scanning: overscanning 5%
- Front panel controls include contrast, brightness, H/V hold
- Rack mountable with optional WV-Q28 brackets

WV-BM1400 14-inch B/W Monitor

- 1000 lines of horizontal resolution ■ Short H.AFC switch
- Cable loss compensation switch ■ DC restoration, switchable
- Composite video input/output (no external sync)
- Switchable scanning: 5% overscan, 5% underscan
- Front panel controls include contrast, focus, brightness, H/V hold
- Rack mountable with optional WV-Q21W brackets

WV-BM1900 19-inch B/W Monitor

- 850 lines of horizontal resolution ■ DC restoration, switchable
- Composite video input/output ■ External sync input/output
- Switchable scanning: 5% overscan, 5% underscan
- Short H.AFC switch ■ Video termination
- Front panel controls include contrast, focus, brightness, H/V hold

B/W MONITOR SPECIFICATIONS

Models	WV-BM500	WV-BM503	WV-BM900	WV-BM1400	WV-BM1700	WV-BM1900
Power Source	120v AC, 60Hz	120v AC, 60Hz	120v AC, 60Hz or	120-240v AC, 50/60Hz	120v AC, 60Hz	120v AC, 60Hz
Actual Visual Size	5"	5" each	8 ¹ / ₁₆ "	12 ¹ / ₁₆ "	16"	18" Diagonal
CRT Size (Diagonal)	5 ¹ / ₁₆ " (14cm)	5 ¹ / ₁₆ " (14cm) each	9 ¹ / ₁₆ " (24cm)	13 ³ / ₁₆ " (35cm)	17 ¹ / ₁₆ " (44cm)	19 ¹ / ₁₆ " (51cm)
19" Rackmount	ΔYes	ΔYes	ΔYes	ΔYes	ΔYes	No
Video Inputs	1	3	1	1	1	1
External Sync	Yes	Yes	No	Yes	Yes	Yes
Horizontal Res.	700 Lines	700 Lines	750 Lines	1000 Lines	850 Lines	850 Lines
Scanning	Fixed	Fixed	Fixed	Switchable	Switchable	Switchable
Overscanning	5%	5%	5%	5%	5%	5%
Underscanning	No	No	No	5%	5%	5%
DC Restoration (Switchable)	Yes (Yes)	Yes (Yes)	Yes (No)	Yes (Yes)	Yes (Yes)	Yes (Yes)
Dimensions (WxHxD)	5 ¹ / ₁₆ " x 7 ¹ / ₁₆ " x 9 ¹ / ₁₆ "	18" x 6 ¹⁵ / ₁₆ " x 10 ¹ / ₁₆ "	8 ¹ / ₁₆ " x 8 ¹ / ₁₆ " x 10 ¹ / ₁₆ "	12" x 12 ¹ / ₁₆ " x 14 ¹ / ₁₆ "	16 ¹ / ₁₆ " x 16 ¹ / ₁₆ " x 14 ¹ / ₁₆ "	19 x 17 ³ / ₁₆ x 14 ¹ / ₁₆ "
Weight	5.1 lbs. (2.3kg)	19.8 lbs. (9.0kg)	9.9 lbs. (4.5kg)	19.8 lbs. (9.0kg)	33 lbs. (15kg)	41 lbs. (18.5kg)
Δ With optional bracket						

Most Orders Shipped Within 24 Hours

PANASONIC

AG-513D/AG-520D/AG-527D

13- 20- and 27-inch Integrated VCR/Monitor Receivers

Ideal for education, industry and business, Panasonic's AG-500 Series of integrated VCR/Monitor Receivers pack more presentation power into smaller spaces and budgets. By combining a super 4-head VCR with a 181-channel television/monitor, Panasonic brings two of the most powerful selling tools of all time – TV and videotape – to a wide range of commercial applications.

The AG-500 Series is affordable with unique features and outstanding performance. The 13", 20" and 27" models feature Super 4-Head system, tuner/function lockout capabilities, 4-event timer record/timer playback, front panel earphone jack, on-screen programming, rapid tune and record time counter. They also offer Auto Play with repeat capability, special effects playback (field-still and advance, and double-fine slow), and S-VHS-quasi playback.

From point of purchase and kiosk application to office installations and corporate training, the AG-500 Series is a versatile partner for business, education and presentation.



VIDEO MONITORS

541

AG-513D/520D/527D		Display		
	AG-513D	AG-520D	AG-527D	
Picture Tube (Diagonal):	13", 90° Deflection Picture Tube	20", 90° Deflection Picture Tube	27", 100° Deflection Picture Tube	
VCR				
Video Recording	4 Rotary Heads (Helical Scanning)	4 Rotary Heads (Helical Scanning)	4 Rotary Heads (Helical Scanning)	
Audio Tracks:	1 Track	1 Track	1 Track 2 Channel (Hi-Fi Audio Sound)	
Tuner (Broadcast Ch.):	VHF 2-13, UHF 14-69	VHF 2-13, UHF 14-69	VHF 2-13, UHF 14-69	
Tuner (CATV Ch.):	Midband A through I (14-22), Superband J through W (23-36) Hyperband AA-EEE (37-64), Lowband A-5/A-1 (95-99) Special CATV Channel 5A (01), Ultraband (65-94, 100-125)			
General				
Power Source:	120v AC, 60Hz	120v AC, 60Hz	120v AC, 60Hz	
Power Consumption:	69 watts	110 watts	157 watts	
Speaker:	1 Piece	1 Piece	2 Pieces	
Weight:	26.4 lbs. (12kg)	50.7 lbs. (23kg)	85.9 lbs. (39kg)	
Dimensions (WxHxD):	15 ⁵ / ₁₆ x 15 ³ / ₁₆ x 16 ¹ / ₁₆ " 386 x 385 x 424mm	20 ³ / ₁₆ x 19 ¹ / ₁₆ x 19 ¹ / ₁₆ " 515 x 505 x 484mm	27 ¹ / ₁₆ x 27 ¹⁵ / ₁₆ x 21 ¹ / ₁₆ " 688 x 659 x 542mm	



THE PROFESSIONAL'S SOURCE (212) 444-6601 • FAX: (212) 444-5001

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PANASONIC

CT-1386Y/2086Y/2786Y • CT-1386VY/2086VY/2786VY

13-/20-/27-inch Color Video Monitors and Monitor/Receivers



The television that sits at home is probably very good at what it does, but it wasn't designed for the office, classroom, edit room or operating room. True video monitors come in all sizes and configurations, because there are so many specialized demands. How about a monitor with a tuner? How about function blockout for point-of-sale or training applications. You don't have to force a television set to be a monitor; it's not built for that rigorous usage. CT-series monitors are built with the

same technology as Panasonic's broadcast and high-end post production monitors. 13-inch, 20-inch or 27-inch, there is a monitor to fit your needs and more importantly your budget.

FEATURES

Ideal monitors for corporate communications, desktop production, education, point of sale, law enforcement, security and surveillance

- On-screen display for adjustment of sharpness, brightness, color, tint and audio level.
- Control panel can be locked to prevent unauthorized altering of settings (from the front panel or remote control). Ideal function for presentation or educational situations.
- Closed caption decoder decodes the closed captioning from video sources and displays the text on-screen. Excellent for applications like education.
- Program Timer automatically turns the monitor on and off at a predetermined time for one day or every day.
- Sleep Timer will count down a desired time of 30, 60 or 90 minutes and then automatically turns the monitor off.
- Instant Power-On feature is ideal for presentation or kiosk applications. When AC power is supplied, the monitors will power up automatically.

CT-2086/2786 Series Only:

PanaBlack Picture Tube

Borrowing technology from Panasonic's SuperFlat System, the PanaBlack picture tube provides improved contrast, superior color reproduction and outstanding clarity of detail.

- The dark black glass provides up to a 40% increase in contrast compared to conventional televisions. By letting less light pass through, the darker tint combats the picture-degrading effects of ambient light passing through the glass and reflecting back off the phosphors—which causes black areas and colors to wash out.
- Incorporates improved red and green phosphors for a 12% overall increase in the ability to reproduce exact colors.
- MPF (Multi-PreFocus) electron gun improves beam spot focusing to provide excellent image detail.

AI (Artificial Intelligence) Sound

The CT-2086VY/2786VY can be set to automatically detect changes in the volume level and react to lower the volume level to a predetermined maximum level. Use to equalize the volume levels among TV channels and between TV reception and other A/V sources.

Equipment Leasing Available

PANASONIC

CT-1386Y/2086Y/2786Y

VIDEO MONITORS

543

Monitors	CT-2786Y	CT-2086Y	CT-1386Y
Audio/Video			
PanaBlack Picture Tube	PB	PB	-
Picture Tube Faceplate	1.3R	1.5R	-
CRT Deflection Angle (degrees)	100°	90°	90°
Comb Filter	Yes	Yes	Yes
Precise Notch Filter	Yes	Yes	Yes
Stereo/SAP with dbx NR	Yes	—	—
Bass/Treble/Balance	Yes	—	—
Stereo Watts/Channels	3.5	1.5	1.5
Speakers	2	1	1
Jacks			
Video Input (Rear)	x1 (BNC)	x3 (BNC)	x3 (BNC)
Audio Input (Rear)	x2 (RCA)	x3 (RCA)	x3 (RCA)
S-Video Input (Rear)	1	1	1
Video Program Out	x1 (BNC)	x1 (BNC)	x1 (BNC)
Earphone Jack	—	—	YES
Convenience			
Easicon Menu System	Yes	Yes	Yes
Trilingual Menu (Eng/Spanish/French)	Yes	Yes	Yes
Programmable On/Off Timer	1	1	1
Clock & Sleep Timer	Yes	Yes	Yes
Auto Power On	Yes	Yes	Yes
Control Panel Lock	Yes	Yes	Yes
3-Prong Line AC Cord	Yes	Yes	Yes
General			
H x W x D	23.4 x 26 x 21.1"	18.2 x 20.3 x 19.4"	13.5" x 14.1 x 15.1"
Weight	76 lbs	44 lbs	20 lbs
Cabinet/Stand Finish	Black	Black	Black

VY-Series is the Same Plus Adds These Features

VY Series Features:	CT-2786VY	CT-2086VY	CT-1386VY
AI Sound	Yes	Yes	—
Closed Captioning on Mute	Yes	Yes	Yes
UHF/VHF Input 75 Ohm	Yes	Yes	Yes
TV Tuner	Yes	Yes	Yes
Number Of Channels	181	181	181
Built-in Closed Captioning Decoder	Yes	Yes	Yes
Channel Labeling with PreSet (56)	Yes	Yes	Yes
Quick Scan	Yes	Yes	Yes
Recall/Rapid Tune	Yes	Yes	Yes
Remote Control	Yes	Yes	Yes
Universal - Audio/Video or VCR Cable	TV	TV	TV



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PANASONIC

BT-S901Y

9" Diagonal Color Video Monitors

The BT-S901Y provides a wide range of convenient, high performance functions designed for professional applications. They include blue only mode, underscan, pulse cross, and S-Video input and output, all in a compact, rugged metal cabinet.

- Built-in comb filter minimizes loss of color resolution and ...luminance detail.
- Composite and S-Video input and output connectors. The input selector on the rear panel is switchable between composite and S-Video.
- Blue Only mode provides monochrome display making it easy to evaluate noise precisely. Also convenient for color and phase adjustments using color bars.
- Pulse cross circuit allows horizontal and vertical intervals to be displayed at center of the screen so you can examine data in blanking area and sync/burst timing.
- Underscan Mode shrinks the scanned area of the picture tube 5% enabling detection of intruding cameras and mike booms.
- Built-in speaker, headphone jack and automatic degaussing.



- External sync input/output for synchronizing with other equipment fed with the same sync signal.
- Rack-mountable in standard 19" rack.

BT-S915DA 9-inch DTV-Ready Monitor

Designed for use in broadcasting studios with DTV systems, the BT-S915DA is a compact, high performance monitor that is compatible with both 525i and 625i component signals. It can also be used for monitoring digital signals via the optional SDI interface adapter. Other features include Blue Only mode, Underscan, built-in speaker and 4:3/16:9 aspect switching.

- Inputs include analog composite (NTSC or PAL), RGB, component, S-Video, and optional SDI as well as analog audio.
- Over 300 lines of horizontal resolution and selectable color temperature (6500K, 9300K or User Preset).
- Built-in speaker and audio power amplifier
- 4:3/16:9 selectable aspect ratio
- Optional SDI interface (ET-SD06U) neatly attaches for monitoring of broadcast equipment.
- Two BT-S915DA's can be mounted side-by-side in a 19-inch rack with the optional TY-LK100 Dual Rack Mount Kit.



- On-screen menus and front-panel controls permit selection and adjustment of H & V positioning, color temperature, picture sharpness, RGB/component switching, normal/underscan and much more.

DT-1300MS 13" MultiScan Monitor

A high-performance, multi-function monitor, the DT-1300MS is designed for demanding multimedia applications. Compatible with both RGB and video signals, it readily connects to a wide range of video and computer sources.

- Fine 0.28mm dot pitch CRT provides exceptionally high resolution of 1120 x 768 (RGB) and 600 lines (video).
- 15-pin multi-connector provides connecting RGB, audio, video and input signal remote control.
- High precision automatic scanning function quickly locks to horizontal frequencies between and 50kHz and vertical frequencies between 50 and 100 Hz.
- Ideal for computer-based training and teleconferencing applications.



- Built-in speaker and headphone jack for monitoring

PANASONIC

BT-H1390Y/BT-M1950Y

13- and 19-inch Production Monitors

The BT-H1390Y and BT-M1950Y are the ultimate monitors for professional production and presentation applications. Their long list of features include 750 lines of horizontal resolution, SMPTE C phosphors, multi-system compatibility, component and S-Video inputs, advanced automatic white balance circuitry, Blue only mode, pulse cross, underscan and built-in speaker.



VIDEO MONITORS

545

High Resolution

- 13- and 19-inch in-line gun CRT with SMPTE-C phosphors and fine dot pitch of 0.28mm (BT-H1390Y) and 0.40mm (BT-M1950Y) deliver an outstanding 750 lines of horizontal resolution.
- Built-in CPU manages the circuitry to ensure a high level of consistency and stability in the key areas of color reproduction, picture reproduction and DC restoration. With a one-time digital parameter setting via the on-screen menu, there is no need for any further external adjustments.
- Beam current feedback compensates for the inherent drift of a CRT by continuously monitoring the ageing of each gun and feeding back the necessary compensation to achieve long-term color stability.

Multiple Inputs

- They accept composite, S-Video, component and analog RGB in PAL, NTSC and NTSC 4.43 (with auto detection). External sync and audio (3) inputs/outputs are provided as well. They accept 100 to 240v AC, 50/60Hz (auto sensing).

Production Monitoring

- Underscan mode shrinks the picture 5% enabling the entire active picture to be displayed edge to edge, so you can detect intruding cameras, mic booms etc.
- Pulse Cross for precise viewing of horizontal and vertical blanking information
- Blue Only mode allows saturation color level adjustments as well as noise level checks to be easily done.

On-Screen Menu

- Selection of aspect ratio (4:3/16:9), color temperature (6500K or 9300K for pleasing picture), white balance adjustment, etc. are easily performed via the on-screen menu. Once set, parameters are stored in memory to ensure consistent reproduction.

Conveniences

- Built-in speaker and headphone jack and a tamper-proof function that disables all front panel controls except audio volume.

FEC Rackmounts for Panasonic Monitors

	FEC Accessory	Description	# Rack Units Required (1 RU = 1.75")	Rail Depth Required Between Front & Rear Cabinet Rails	Mounts On (F)ront Rail or (R)ear	Price
BT-S900YY	RBT901	Dual Rackmount. Requires 6 RU Space				118.95
	BPT901	Blank Panel for RBT901	6	-	-	39.50
	WFB901	Waveform Adapter for Tektronix or similar	6	17 1/4"	-	118.95
BT-S901Y	RB90	Dual Rackmount for BT-S901Y (5 RU)	5	12 1/4"	F	118.95
BT-S901Y	BP90	Blank Panel for RB90	5	-	-	39.50
BT-H1390Y	RKBM13	Custom Rackmount Kit	8	15 1/4"	F	128.95
BT-M1950Y	RKBM19	Custom Rackmount Kit	10	18 1/2" - 30"	F&R	156.50
CT-1386Y/VY	RCT1386	Custom Rackmount Kit	8	10 1/4"	F	128.50
WV-BM500	RKPWVM50	Custom Triple Monitor Kit	4	9"	F	133.50
	BPBM50	Blank Panel for RKPWVM50	4		-	39.50



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PANASONIC

DT-M3050W

VIDEO MONITORS

30-inch Multi-Format Monitor

Packed with state-of-the-art digital technology, the broadcast-quality, variable scan, 16:9 DT-M3050W delivers sensational picture quality with perfect color fidelity, as well as compatibility with every major format and input signal, including DTV.



- Powerful wide-screen HDTV CRT with a center masking pitch of 0.68mm delivers over 550 lines of horizontal resolution.
- Full DTV compatibility with switchable 480i, 480p, 720p and 1080i formats.
- Automatic tracking for horizontal scanning frequencies from 15.5 to 60 kHz and vertical scan frequency of 50 to 120 Hz.
- Accepts 800 x 600 (4:3) RGB computer signals as well as component, RGB, composite and Y/C for exceptional flexibility. Also offers multi-format compatibility (NTSC, NTSC 4.43, PAL and SECAM).
- Underscan and Blue only mode, as well as a wide range of color temperatures
- 15-pin "multi" connector for external control of input switching. It also has a ID assignment function and system control terminal for individual or simultaneous control of a bank of monitors.

546

PT-42P1

42-inch Wide Plasma Monitor

Large-screen plasma displays will be the display device of choice in the 21st century for viewing media such as digital broadcasts, DVD and personal computers. Businesses too, will find a wide range of uses for these new devices, taking advantage of their ability to display different types of visual information with outstanding clarity and detail. The revolution is already under way, with Panasonic's PT-42P1 at the forefront.

The PT-42P1 which has a 42-inch diagonal screen, is only 3.5" deep and weighs only 73 lb. Yet it delivers the world's highest levels of brightness (SSO cd/m²) and contrast (550:1). Its sharp pictures and natural, true-to-life colors make for an extremely impressive viewing experience.*



New Plasma Drive System

- Panasonic's unique Multi-Split Subfield Drive system greatly reduces the moving picture noise that is common to conventional plasma displays. The resulting images are highly detailed and natural.

Natural Color Gradation

- The PT-42P1 introduces a newly developed Panasonic digital technology that greatly expands the color reproduction range. This, combined with a unique auxiliary discharge system that eliminates color bleeding, assures faithful reproduction of the three (RGB) primary colors.

Flat Surface

- Because the Plasma Display is perfectly flat and there is no distortion across the entire surface, displayed images are clear and sharply focused from corner to corner. Viewing angle is a full 160°~ both vertically and horizontally, so viewing is excellent from virtually any position.



Multimedia Applications

- Equipped with Y/PB (CB)/PR (CR) component video input terminals for full compatibility with 480i, 480p, and 1080i signal formats. The PT-42P1 lets you take advantage of the superior picture quality available from today's most advanced delivery systems.
- Also has composite and S-Video inputs. There is a 15-pin RGB port for display of VGA and compressed SVGA signals for multimedia applications.
- Operation can be controlled by a PC via the PT-42P1's built-in RS-232 serial interface. In addition to controlling all major display functions, this interface makes it possible to control a variety of sources as a single system. This eliminates the complicated operation typically involved with multi-source applications.

Slim, Lightweight Design

- The PT-42P1 offers the powerful viewing impact of a 42-inch-diagonal screen in a unit that's only 3.5" deep and weighs only 73 lbs. The lightest device of its kind, the PT-42P1 delivers incredible performance from an ultra-thin body.
- A newly developed power supply circuit combines with improvements in the panel's light-emitting efficiency to reduce power consumption, while increased heat-dissipating efficiency eliminates the need for a fan. The result is higher overall efficiency and a quieter environment.
- Using the optional accessories you can install the PT-42P1 in places you never before imagined having a large-screen display. On-screen menu and supplied remote make picture adjustment a snap.

Optional Accessories

- TY-SP42P1** Detachable Stereo Speakers
- TY-ST42PT1** Pedestal
- TY-ST42PW1** Wall Stand
- TY-ST42PF1** Mobile Stand
- TY-WK42PV1** Wall Hanging Bracket
- TY-WK42PR1** Wall Hanging Bracket (angled 0-20°/5-step adjustment)

The Finest Picture Quality Ever Achieved in a Plasma Display

The PT-42P1 is the result of Panasonic's efforts to re-engineer the conventional plasma display panel from the ground up. The newly developed Asymmetrical Cell Structure Panel, advanced Plasma AI (Adaptive Brightness Intensifier) technology, and Dual Scanning Method have solved the picture-quality problems of conventional plasma panels. Boasting superior image quality rivaling that of CRTs, the PT-42P1 delivers extremely vivid whites (11,000K) with unprecedented brightness (550 cd/m² panel brightness, 350 cd/m² set brightness) and superb 550:1 contrast.

Plasma AI (Adaptive Brightness Intensifier)

Plasma display panels control brightness by regulating the discharge cycles (time). Conventional plasma displays suffer from insufficient peak brightness in dark scenes, resulting in images that are less dynamic than those of CRTs. Panasonic's unique Plasma AI automatically increases the number of discharge cycles (time) to achieve a dramatic improvement in peak brightness. The PT-42P1 is about 40% brighter at peak levels than conventional plasma display panels—about the same as CRTs—for extremely dynamic viewing. By expanding the dynamic range of all images—from black to white peak—the PT-42P1 delivers crisp, natural, easy-to view pictures.

Asymmetrical Cell Structure Panel

The PT-42P1 employs a unique asymmetrical cell structure panel that achieves both high brightness and crisp whites—a combination previously not possible. The asymmetrical arrangement of the red, blue and green cells that control color reproduction results in a dramatically improved light-emitting balance of the three primary colors. This enables reproduction of very pure whites while maintaining a high level of brightness. The use of new phosphors with superior light emission characteristics and improvements to the cell wall structure also greatly enhance brightness and contrast. Together, these technologies enable a new level of plasma performance, putting the PT-42P1 in a class by itself.

Dual Scanning Method

By separating the display panel into top and bottom halves and scanning both simultaneously, the Dual Scanning Method increases the number of scan cycles per unit of time. This raises the light output, resulting in a brighter sharper image.

Panasonic Monitors At A Glance

	Dimensions (WxHxD)	Weight (lbs)	Voltages
BT-S901Y	8-3/4 x 9 x 17-5/16"	15.5	120v AC, 50/60Hz
BT-S915DA	8-3/4 x 12-7/8 x 9.5/32"	15.9	120v AC, 50/60Hz
DT-1300MS	15-7/16 x 14.3/32 x 16-5/32"	27.6	120v AC, 50/60Hz
BT-H1350Y	13-5/8 x 13-1/8 x 16-3/16"	35.7	100-240v AC, 50/60Hz
BT-M1950Y	17-3/4 x 17x 20-1/8"	66	100-240v AC, 50/60Hz
DT-M3050M	31-1/2 x 21-5/8 x 21-11/32"	127.9	120v AC, 50/60Hz
PT-42P1	40.6" x 25" x 3.5"	72.8	120v AC, 50/60Hz

MARSHALL

V-LCD4-PRO

4" Color LCD Monitor

A 4-inch active matrix TFT color LCD monitor with a slim profile which provides bright high resolution images in both color or B&W, the V-LCD4-PRO is ideal for custom wall and panel installations as well as mobile and fixed monitoring applications. Use in trucks, autos, airplanes, compact racks or anywhere a compact, high quality picture is required. The V-LCD4-PRO is constructed of a heavy-duty metal cabinet with brushed aluminum finish. It features dual BNC video inputs with an A/B switch. Brightness, color, tint and individual red and blue adjustments are provided from the controls mounted on top of the monitor. A 1/4"-20 mounting hole allows camcorder mounting with the optional V-LCD-MT. Power is provided by the optional V-BP12-LCD battery or V-PS12-500 AC adapter.



- Heavy-duty compact metal cabinet with brushed aluminum finish.
- Switchable dual video inputs with an A/B switch
- A 1/4"-20 mounting hole is available for easy installation on any camera using the Optional V-LCD-MT
- Fast picture response, no streaking
- Color, contrast and brightness controls
- Also available in PAL
- Size WxHxD: 5.51" x 3.62" x 1.81"

V-LCD4-PA

4" LCD Monitor with Speaker and Removable Stand

Incorporating the same 4" active matrix TFT color LCD screen, the V-LCD4-PA is identical to the V-LCD4-PRO except it is constructed of black plastic and has a speaker and built-in stand. The stand can be removed, which exposes a 1/4"-20 mount enabling the monitor to be mounted on cameras with either a 1/4"-20 mount or shoe mount. (Optional V-LCD-MT required). It also offers brightness, color and volume controls and is powered by the optional V-BP12-LCD battery or V-PS12-500 AC adapter.



- By removing the stand a 1/4"-20 mount is available for easy installation on any camera using the Optional V-LCD-MT
- RCA Inputs for Audio and Video
- Individual sound and brightness controls
- Built-in speaker
- Also available in PAL
- Power supply and RCA to BNC adapter is included
- Size WxHxD: 6" x 4.5" x 2.5" w/o stand

OPTIONAL ACCESSORIES

V-BP12-LCD Battery:

The battery will power both monitors for 1 hour and 20 minutes and takes 5-1/2 to 6 hours to charge. The battery comes with a 16v DC charger.

V-LCD-MT - 1/4" Mount Adapter: Allows you to attach the LCD monitors to a camcorders shoe-mount making monitoring more convenient while recording. The V-LCD-MT can be used with all portable Marshall LCD monitors.

V-PS12-500 AC Adapter: Can power any LCD monitor from a standard wall AC outlet.

V-LCD4-Case:

Ideal for field use, the case is made of weatherproof, padded industrial vinyl to protect the monitor from scratches, dust and light rain. A built-in adjustable screen cover hood protects the monitor from sunlight that may interfere with viewing. The viewing window is also covered with a clear durable plastic for monitor protection. Fast release dual zipper design allows for quick access to LCD monitor controls. Supplied with a shoulder strap



4" Color LCD Monitor Kits
Marshall also offers the V-LCD4-PRO or V-LCD4-PA as kits which include the V-BP12-LCD battery pack and V-LCD4-CASE carrying case

Triple 5-inch Rack Mounted LCD Panel

The V-R53P is a rack-mounted unit with three independently controlled 5" active matrix LCD panels with loop through capability. Each panel has 960 x 234 pixels or almost a quarter of a million pixels total (224,640 to be exact), making them true high resolution LCD panels. Each of the monitors has a built-in color bar generator, individual front mounted selector buttons with LEDs and color, tint, brightness and contrast controls. Each monitor has two composite video inputs and outputs as well as a VGA input for computer monitoring. The V-R53P fits into a standard 19-inch rack (3RU) and comes complete with power supply.



- Unique tilt feature allows 90° of tilt up or down while mounted in the rack
- Low power consumption and heat dissipation for mobile applications
- VGA inputs for computer monitoring
- Two composite video inputs (and two outputs) per monitor with loop through capability and automatic 75 ohm termination.
- Individual color, tint, brightness and contrast controls
- Built-in color bar generator for each monitor
- Also available in PAL
- Size WxHxD: 19" x 5.14" x 3.75"
- Viewable Area: 4.75" x 2.95"

V-LCD6.4-BNC *6.4-inch Color LCD Monitor*



The V-LCD6.4-BNC is a high resolution 6.4" color LCD active matrix TFT monitor, in a **gray or black** case with 1/4"-20 mount. It can be rack mounted or used standalone. Its slim profile makes it ideal for custom wall and panel installation in mobile and fixed applications like car navigation, airplane seat TV, or when a larger LCD monitor is required. It also offers brightness, color and volume controls and is powered by the optional V-BP12-LCD battery or V-PS12-500 AC adapter.

- Individual controls for On/Off, Color, Tint, Brightness, Contrast, and Volume
- Pixel format of 960x234
- Also available in PAL
- Viewable Area: 5.11" x 3.78"
- Size WxHxD: 8.62" x 5.67" x 1.97"

V-LCD12/V-LCD15

12.1- and 15-inch LCD Monitors with Component Input



The V-LCD15-TV is a high resolution broadcast quality LCD monitor/television. It offers 24-bit true color with 1024 x 768 pixel resolution making this a true high resolution LCD screen. The V-LCD15-TV works as a XGA or NTSC monitor and has a cable ready TV tuner built into it. As a video monitor, the unit accommodates composite video via RCA and S-Video inputs.

Also from Marshall is the V-LCD12 which offers 18-bit color with 800 x 600 pixel resolution and works as both a SVGA monitor and a NTSC video monitor. As a video monitor, the unit accommodates composite video via RCA and S-Video inputs.

Unlike other monitors this size, these monitors provide 250 candle luminance (210 for the 12") of backlighting making them ideal for outdoor applications. The monitors also have built-in stereo audio. Their on screen display makes it easy to adjust for any application and with the use of the remote control can be operated from a distance. Units come complete with power supply, remote control, RCA cables and a VGA cable.

LMD-1041

10.4-inch LCD Monitor

Only 2-1/4 inches deep, the versatile LMD-1041 uses proven Sony circuit technology developed in CRT monitors to provide unsurpassed video picture quality. It offers bright pictures, brilliant color reproduction and smooth, high-resolution images. It also accepts a wide variety of video inputs as well as computer signals, making it ideal for multimedia applications, conference rooms, video product demonstrations, company presentations, information systems in kiosks, and portable video monitoring.



FEATURES

Video/Computer Inputs

- Accepts a variety of video input types including component composite, S-Video and analog RGB. It also has a D-sub 15-pin terminal to accept VGA (640 x 480) signals making it suitable for multimedia applications or applications that require both video and computer displays.

Underscan Function

- Perfect for editing and photographic uses because, when required, the screen size can be reduced by 30% to make the entire image visible

Index Function

- Assigns a reference # to a particular unit. By assigning each monitor an index number for reference you can control via the remote controller, one monitor or up to 256 monitors at a time. You can also set groups with the same ID to simultaneously control the same functions for all monitors in the group.

Control S Port

- Allows multiple monitors to be controlled simultaneously, and remote control of other Control S compatible equipment.

Multiple Mounting Options

- Supplied with mounting plate, mounting screw holes and stand, the LMD-1041 can be mounted several ways to suit different applications. The unit can be hung on a wall, built into a system or used on the desktop with the provided tilt-stand. Ideal for use in areas where space is limited

Soft Touch User Controls -

- Convenient control adjustments with user-friendly on screen design - makes adjusting the monitor setup/display and selecting inputs quick and easy. On - screen menus show the range of the adjustments (Index, underscan, +/- key for brightness, dimmer, hue, color, sharpness, H/V Position, H Phase, line A/B/C, volume) and where current settings fall within that range.

Audio Output

- Listen privately with the headphone option or publicly via the built-in stereo speakers.

Remote Control

- Control of all functions via computer or infra red. The supplied RM-LMD1041 remote allows function control and adjustment of the monitor without using the keys on the monitor. This is especially useful when the application involves multi-monitor control or when the monitor is built into a system and the controls are inaccessible such as in kiosks.

Optional Accessories

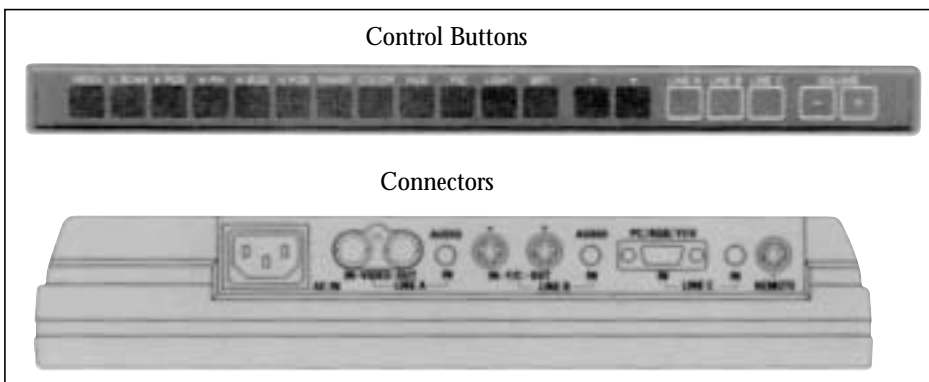
- On the back of the LCD monitor is a special area where you can attach a Kensington security cable (not supplied)
- SMF-400:** 15-pin male to 5 BNC cable for connecting the monitor to component Y/R-Y/B-Y or video RGB
- SMF-401:** 15-pin male to D-sub HD15-pin male cable for connecting the monitor to computer VGA or in combination with MACVIEWLX adapter for connection to Macintosh computers.

Specifications

Power Requirements:
AC 100-240v, 50/60Hz

Dimensions (W x H x D)
12.01" x 8.48" x 2.26"

Weight 4 lbs 6 oz without the stand



Overnight Shipping Available

PVM-4B1U

Quadruple 4-inch B&W Monitors

An assembly of four 4-inch monochrome monitors, the PVM-4B1U is ideal for camera monitoring in video studios and surveillance systems with multiple camera installations.



- High resolution of 500 horizontal lines
- EIA 525 lines/60 fields and CCIR 625 lines/50 fields systems automatically selected
- High voltage regulation circuit assures stable picture reproduction
- Loop-through video and sync terminals with automatic 75 termination
- Accepts external sync signal
- Mounts in a standard 19-inch rack
- Individual power and individual controls available
- Weighs 31 lbs. and measures 19 x 5-1/4 x 16-1/8" (W x H x D).

PVM-96/97/136/137**High Resolution 9- and 13-inch B&W Monitors**

In addition to incorporating the same chassis design as Sony's legendary PVM color monitors, the PVM monochrome series also inherit their superb performance and high reliability. All monitors feature two composite inputs, external sync input, built-in speaker, underscan capability and Tally lamp.



PVM-97

- The PVM-96 and PVM-97 provide 900 lines of horizontal resolution, while the PVM-136 and PVM-137 achieve 1000 lines of horizontal resolution to display video signals clearly and accurately.
 - Compatible with EIA 525 lines/60 fields and CCIR 625 lines/50 field systems (automatically selected)
 - Underscan mode to display the entire active picture area
 - Two composite inputs (Line A, B), plus external sync input for synchronizing with other professional equipment
 - Built-in monaural speaker for audio monitoring. Tally lamp for system use
 - Two PVM-96/97 monitors mount in a 19-inch rack using the optional MB-507 Rack Mounting Bracket. If only one monitor is used, the empty space can be covered with the optional MB-509 Blank Panel.
 - The PVM-136/137 can also be rack mounted using the optional MB-502A Rack Mount Bracket and SLR-102 Slide Rail Kit.
 - PVM-96/97 weighs 12.2 lbs. and measures 8-5/8 W x 8-5/8 H x 9-7/8" D.
 - PVM-136/137 weighs 24.4 lbs. and measures 13-5/8 x 13-1/2 x 13" (W x H x D).
- PVM-96/136 Only:**
- H/V delay mode displays the horizontal and vertical verticals on the center of the screen
 - Equipped with a Notch filter to minimize dot structure interference on NTSC and PAL signals.
 - Aspect ratio is switchable between 4:3 and 16:9 to accommodate wide screen formats.
 - 6500K color temperature is obtained, enabling these monitors to match with Sony's PVM color video monitors.

TRINITRON TECHNOLOGY

The Trinitron Difference

Sony professional Trinitron monitors have made their mark from the broadcast studio to the boardroom. Yet even among seasoned video professionals, few people know how fundamental the Trinitron difference really is. To appreciate what separates the Trinitron tube from the rest, just take a look at what makes other color picture tubes the same: the Shadow Mask. Before Sony invented the Trinitron tube, there was only one kind of color picture tube, the Shadow Mask. This system used three electron guns--one each for red, green, and blue--to generate three electron beams focused by three electronic lenses. Color phosphors were arranged in tiny, discrete dots or slots on the face of a highly curved, spherical screen. Since allowing the red beam, for example, to leak into the blue phosphor would result in gross color distortion, the task of directing each beam to its corresponding phosphors was a key concern. This task was undertaken by the Shadow Mask itself, a heavy sheet of perforated metal. The Shadow Mask sat about half an inch behind the screen face, and attempted to follow the curvature of the screen exactly.



By the mid 1960's, Sony engineers were convinced there had to be a better way. They saw the chance to create a picture tube with brighter, purer colors, sharper detail, and a flatter, straighter screen. In late 1966, Sony made an unlikely start. A Sony researcher accidentally produced the world's first color picture from a single electron gun shooting all three beams. This was the beginning of the Trinitron system. In July 1967, the new gun was mated to a completely new color separation system, the Aperture Grille. By 1968, the Trinitron system was ready for market.

The first Trinitron tube was distinguished by four components which still define the Trinitron system to this very day: one gun, one lens, cylindrical screen, and Aperture Grille. As you will see, each of these components has advantages that are quite pertinent to the world of professional monitors.

One Gun

►The Trinitron system used the first color picture tube to generate all three electron beams from a single, unitized gun. Because the beams start out closer together, they are easier to converge on the face of the screen. And it's easier to maintain a smaller spot size--a pre-requisite for high resolution. Sony's one gun also makes it possible to incorporate the second Trinitron difference: one lens.

One Lens

►While most color tubes focus the beams through three small lenses, the Trinitron tube is unique. It's the only system that focuses the three beams through the center of one large electronic lens. Other things being equal, Sony's one lens can be up to three times as large as the competition's lenses. This gives Sony a tremendous advantage in focusing the beams--another critical step is achieving high resolution. But Sony goes even further. They only use the center of the lens, where the laws of physics dictate that depth of focus will be greatest. Superior depth of focus has two important advantages. Resolution is better in the corners, where focusing is traditionally most difficult. And better focus gives us the freedom to employ a cylindrical screen.

Cylindrical Screen

►With their limited ability to focus in the corners, Shadow Mask tubes are forced to pull the corners back toward the electron guns. This gives their screens that familiar spherical bulge. In contrast, the Trinitron tube's superior depth of focus enables Sony to use a flatter screen with the unique cylindrical shape. While conventional color screens curve from top to bottom, the Trinitron cylindrical screen is vertically straight. Even with the nameplate covered, you can always recognize a Trinitron monitor. The sides of the cylindrical screen are ruler-straight from top to bottom. This cylindrical shape has three benefits you can see. First, straight vertical lines appear as they should be: straight. This is visible whenever the screen shows buildings, goalposts, doors, computer graphics, or any other subject with vertical lines. Second, there's reduced glare from ceiling lights. So there's less chance that the picture will be washed out by ambient light. And finally, the Trinitron screen more nearly approaches a true rectangle. Squarer corners let you see more of every scene, for a more complete representation of the video picture.

TRINITRON TECHNOLOGY

THE APERTURE GRILLE

There's one additional advantage to the cylindrical screen: it allowed development of the Aperture Grille. Because the Trinitron screen is perfectly straight from top to bottom, there is no vertical curve to follow. The Shadow Mask must follow the precise curvature of the spherical screen. This calls for thick construction and thousands of tiny horizontal cross-members prevent millions of electrons from reaching the screen. Look at an operating Shadow Mask tube under a magnifying glass and you'll see the shadows of tiny black crossbars all across the screen. The Aperture Grille on the other hand is a series of vertical slits that stretch unbroken from the top of the screen to the bottom. It has no horizontal obstructions, so more electrons reach to the screen. The picture is brighter. Colors have more vibrancy. Video images achieve a depth and richness that more closely resembles real life. What you see is the picture quality that has made the Trinitron system famous. For screen brightness alone, the Aperture Grille qualifies as the Trinitron tube's most important feature. But the Aperture Grille has additional benefits.

For example, Shadow Mask tubes are prone to moire--the disturbing interference between a pattern in the Shadow Mask. Moire is most often visible as the flickering that shows up when a plaid jacket comes on the screen. By its very simplicity, the Aperture Grille minimizes moire.

The Aperture Grille's unbroken, vertical slits also minimize the effects of gravity, which can spoil color purity by pulling a ShadowMask out of alignment. Finally, the Aperture Grille resists the "doming" effect. Doming can in place for more than a few seconds. The electron beams begin to heat up portions of the Shadow Mask, deforming it and permitting blotches of color distortion on the screen. This problem can be particularly severe in media without much movement in the subject, such as computer graphics. Fortunately, the Aperture Grille minimizes doming. Its members are under constant tension, so deformation is minimized. The Aperture Grille maintains color purity, no matter what the subject matter.

After such immediate and widespread success, it was only natural that the competition would try to imitate the Trinitron system. Sure enough, over the course of two decades the competition has been able to imitate one part of the Trinitron tube or another. But they've never been able to imitate the system as a whole. Because each part relates to every other part in a special way. For example, without the depth of focus made possible by one large lens, you can't design a cylindrical screen. Without the cylindrical screen, you can't have an Aperture Grille. And without the Aperture Grille, you can't get the brighter, more vivid Trinitron color. It's an integrated system.

Emmy Award Winning Technology

Two decades ago, Sony showed the world a better way to watch television. The outstanding brightness, sharpness and color purity of Sony's Trinitron system soon found a place in a breathtaking array of professional video applications. And in 1973, the Trinitron system won perhaps the ultimate accolade. It became the only color TV system ever to win a technical achievement Emmy Award for picture quality. It's fair to say that the Trinitron tube, more than anything else, cemented Sony's reputation for high quality. Today, video production and TV broadcasting studios use Sony Trinitron monitors to evaluate their work. Executives use Trinitron monitors to show off computer spreadsheets. Micro-surgeons monitor their work on Trinitron sets. And Trinitron color radar CRTs guide passenger airline pilots past thunderstorms. Its technology that makes Trinitron monitors the favorite of so many demanding video professionals.



PVM-5041Q/8040/8042Q/8045Q

5-inch and 8-inch Professional Color Video Monitors

Embodying Sony's pursuit of excellence in both picture performance and operational features the 8-inch PVM-8045Q, 8042Q, 8040 and the 5-inch PVM-5041Q deliver the outstanding reliability and superb picture that are essential in professional image display devices. Although all of these monitors are designed around a common chassis and basic circuit technologies they vary in features and performance to match respective applications. The PVM-8045Q is a picture evaluation monitor. Its HR (High Resolution) trinitron CRT realizes a high resolution of 450 TV lines at center for superb picture reproduction. The PVM-8042Q and 5041Q can work as multi-purpose monitors for various applications.

All except the PVM-8040 are equipped with component inputs, accept 4:3 and 16:9 aspect ratio signals and operate on AC or DC power. The monitors are also suited for studio installation with rack mount option. So whether the application is picture evaluation or basic video monitoring, in the studio or on location, one of these monitors offers the right feature set to best fit your requirements.

**FEATURES**

- Black level stability is a very significant parameter in professional monitoring because of its importance in providing stable, accurate color reproduction. To achieve this stability, these monitors employ a beam current feedback circuit which stabilizes the CRT drive by checking the cathode current at low light signal levels. This effectively corrects the black level drift, giving stable color reproduction over a long period of time and compensating for changes in CRT characteristics.
- S-Video input is standard on all monitors except the PVM-5041Q. And all incorporate a comb filter to minimize cross color and dot interference thus delivering higher quality video pictures.
- All feature a built-in 0.5 watt monaural speaker allowing sound monitoring in the field.
- Each of the monitors can be easily carried anywhere with their convenient built-in carrying handle.
- Ruggedly constructed, the monitors are designed to cope with the most demanding conditions. A metal cabinet minimizes the electromagnetic interference between adjacent monitors and guard bars are fitted to all except the PVM-8040 to protect the front panel controls.

Three PVM-5041Qs or two PVM 8-inch series monitors can be mounted side-by-side into a 19-inch EIA standard rack with the optional MB-507 rack mount bracket. The MB-508 or MB-509 blank panels are available as an option for covering the empty space when only one or two monitors are installed in the rack.



Exclusive Features of the PVM-5041Q/8042Q/8045Q Only

- They have component inputs (Y/R-Y/B-Y or RGB) and are fully compatible with NTSC, PAL, SECAM and NTSC 4.43.
- External sync inputs for synchronization with other equipment. These monitors can also accept sync on the green signal of an RGB input which is automatically selected when fed to the monitor.
- They offer normal scan and underscan selection. In underscan mode the size of the screen is reduced so that the entire active picture area is displayed.
- Pulse cross function allows viewing of the blanking area and sync/burst timing by displaying the horizontal and vertical intervals in the center of the screen.
- Their picture aspect ratio can be switched between 4:3 and 16:9 depending on the input signal. On the 8045Q/8042Q, the 16:9 switch is located on the front panel. On the 5041Q aspect ratio is selected with the slide switch mounted on the rear panel.
- Blue Only mode provides monochrome display allowing VCR noise inspection and chroma/phase adjustment.

- Pulse cross, underscan and external sync, together with input selection can be operated from a custom-made selector when connected to the remote input with the supplied mini-DIN 8-pin connector. Tally on/off can also be controlled.

AC/DC Operation

- As well as operating from an AC power source, these monitors can also be DC powered for field operation. The PVM-5041Q can be operated from a single NP-1B battery pack, the 8-inch monitors from one or two NP-1Bs.
- When the battery voltage becomes low, a power LED starts blinking as a warning indication. The monitors will automatically shut themselves down before the battery is completely worn out.
- 12-volt DC input so they can be powered by car battery or belt pack. There is also a dedicated Anton Bauer Gold Mount for them.
- Optional VF-504 (5041Q) and VF-505 (8042/8045Q) ENG kit contains a monitor hood and cord reel for operational convenience in the field.



PVM-8042Q/8045Q Only

Bias and Gain controls are accessible on their front panel allowing fine adjustment of white balance to be done from the front of the monitor while observing the screen. They also offer a manual degauss switch on their front panel.

PVM-5041Q Only

Weighing only 12 lbs., the PVM-5041Q is easily carried via its built-in handle. It also has a built-in monitor stand to provide easy viewing.

Monitors and Accessories

PVM-5041Q	979.95
PVM-8040	579.95
PVM-8042Q	699.95
PVM-8045Q	979.95
VF-504 ENG kit for 5041Q.....	116.95
VF-505 ENG kit for 8042/8045..	109.95
MB-507 Rackmount bracket	144.95
MB-509 Blank panel for MB-507..	88.95
Sony NP-1B 2.3 Ah Nicad.....	79.95
IDX NP-23 2.3 Ah Nicad	69.95
BC-1WD Battery Charger/Discharger For 4 NP-1A/B	634.95
Porta-Brace MO-8044 Lightweight Field Monitor Case ..	169.95

Features At A Glance

	PVM-8045Q/5041Q	PVM-8042Q	PVM-8040
Color System	NTSC/PAL/ SECAM/NTSC 4.43	NTSC/PAL/ SECAM/NTSC 4.43	NTSC
Resolution	450 Lines	250 Lines	250 Lines
Composite Video Inputs	2	2	1
S-Video Input	1	1	1
RGB/Component Input	Yes (BNC x3)	Yes (BNC x3)	—
Audio Inputs	3/2	3	1
External Sync	Yes	Yes	—
Switchable Aspect Ratio	16:9/4:3	16:9/4:3	—
Tally/Remote	Yes	Yes	—
DC Operation	Yes	Yes	—
Underscan	Yes	Yes	—
H/V Delay	Yes	Yes	—
Blue Only	Yes	Yes	—
Bias/Gain Control	Yes	Yes	—
Rack Mount Bracket	MB-507	MB-507	MB-507
Monitor ENG kit	VF-505/VF-504	VF-505	—
DC-L10 Battery Adapter	Yes	Yes	—

PHM-14M8/PHM-20M8



14-and 20-inch HD Color Monitors

The PHM-14M8 and PHM-20M8 are cost effective HD (High Definition) monitors for video production and corporate video applications. They incorporate advanced HR Trinitron technology to deliver the image quality required for demanding HD applications. They accept 1125/1080 and 1125/1035 HD signals with 4 x 3 area marker, and High Definition SDI serial digital signals with the optional BKM-301HD SDI Input Adapter. They also offer SMPTE C Phosphors, Beam Current Feedback system for stabilized color temperature and worldwide power supply. They can accept serial remote control as well.

FEATURES

HDTV Quality

- They feature 0.25mm and 0.30mm HR Trinitron CRTs for 600 and 700 lines of horizontal resolution respectively in 16x9 mode. In 4x3 mode they deliver 800 and 900 lines of resolution. With a new and improved CRT, Sony has surpassed the quality of its previous line without a tradeoff in color uniformity.
- Accepts SMPTE 240M (1125/60 system) and 274M (1080i system) HD signals. The monitors conform to both signal types allowing critical evaluation of high definition signals.
- They offer field frequencies of 59.94 or 60Hz. Automatically accepts signals with either frequency.
- SMPTE standard phosphors maintain precise color representation allowing for accurate color reproduction and easy monitor matching.

Multiple Inputs

- Two YPbPr/RGB (configurable) inputs are standard
- Optional HD SDI (high definition serial digital interface) board adds an input for an HD SDI signal.

Professional Performance

- Separate H and V inputs allows display of 31.5kHz VGA signals
- Color temperature adjustment is switchable between D6500 and D9300, and two user-defined settings.
- Beam current feedback circuitry helps maintain stable color reproduction.
- They accept external sync for synchronizing with other equipment. Can be set so it will automatically switch according to the input selected.

Conveniences

- 4:3 area marker makes it easy to determine the 4:3 aspect ratio within the 16:9 widescreen image. Lets you display 16:9 material as it would be seen in 4:3 ratio.
- H/V Delay mode displays the horizontal and vertical intervals in the center of the screen, allowing viewing of the blanking area and sync/burst signal.
- Underscan mode displays the entire active picture area, making it possible to check picture edges.
- On-screen menu for monitor adjustments and operation status, makes them simple to set up and operate.
- Worldwide power supply (100 to 240v).
- Serial remote (RS-422) control capability with the optional BKM-103 serial remote control board.

	PHM-20M8	PHM-14M8
System	1125/1080 60 Hz, 59.94Hz 16:9 (SMPTE 274M)—1125/1035 60 Hz, 59.94Hz 16:9 (SMPTE 240M) 525 59.94Hz 1:1 16:9 (SMPTE 293M)—525 59.94Hz 1:1 4:3 (DXC-9000 VGA Mode)	
Resolution	700 TV Lines	600 TV Lines
Frequency Response	24 MHz +0dB/-3dB (YPbPr) 22 MHz +0dB/-3 dB (GBR)	
CRT Type	20-inch HR Trinitron	14-inch HR Trinitron
AG-Pitch	.30mm	0.25mm
Visual Screen Size HxW (16:9 Mode)	15" x 8"	10.8" x 6"
(4:3 Mode)	15" x 11.5"	10.8" x 8"
Input A/B	BNC x 6	

We Exhibit At National and Regional Shows/Conventions

PVM-14N5/14N6/20N5/20N6

14-inch and 20-inch Presentation Monitors

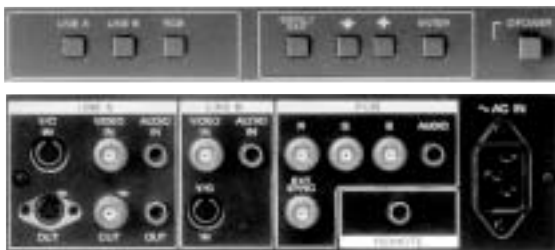
With high quality performance and operating flexibility, Sony's line of presentation monitors are ideal for almost any video environment. They use Sony's legendary Trinitron CRT and Beam Current Feedback Circuit to provide high resolution of 500 horizontal lines as well as stable color reproduction. They also feature an on-screen menu in multiple languages, accept worldwide video signals, have a built-in speaker and are rack mountable.

Four models in the series, they all are constructed of common parts and components to achieve ease of use and cost minimization. The PVM-14N5 and PVM-20N5 monitors are designed for simple picture viewing, while the PVM-14N6 and PVM-20N6 add RGB input capability and switchable aspect ratio for more sophisticated applications.



FEATURES

- 500 lines of horizontal resolution to match DV, DVCAM and DVCPRO recording capabilities.
- Beam current feedback for color temperature stability. As the CRT ages, the drive of the electron beam is continually adjusted so that consistent color temperature is maintained.
- Loop-through composite and S-Video inputs
- Compatible with four worldwide color systems: NTSC, NTSC 4 43, PAL, and SECAM. The appropriate system is automatically selected when you select "AUTO" on the on screen menu
- On screen display in five languages: English, French, German, Italian and Spanish. Picture (chrome, phase, contrast, brightness) and setup adjustments (volume, aspect ratio) are displayed as easy-to-read on screen menus.
- A built-in speaker offers the option of sound for small audience applications without the expense of an external sound system.
- Closed captioning with the optional BKM-104 Caption Vision Board.
- One touch recall of last menu used (volume, contrast, brightness, chroma and phase menus only)
- They are designed with a sturdy metal cabinet for stability and durability. Suitable for rack mounting and for applications which require more mobility.
- They can be rack mounted for space saving and for incorporation into system designs such as edit bays, head-end areas and viewing locations. The 14-inch monitors mount in a 19-inch rack with the optional MB-502B Rack Mount Bracket. The 20-inch monitors mount with the optional SLR-103A Slide Rail Kit.
- **PVM-14N6/PVM-20N6 Only:**
 - Loop-through composite and S-Video inputs plus RGB input
 - Remote Control (Last Input Switch) - Contact closure remote control allows you to wire a remote to an existing system so that the monitor's input can be remotely controlled to switch between the last previously selected input and the current input.
 - From the very beginning of commercial television broadcasting it has been a 4:3 world. But all that is changing with the advent of 16:9 widescreen acquisition, production and distribution. Of course 16:9 programming requires 16:9 monitors. With the PVM-14N6 and PVM-20N6, the aspect ratio is switchable between 4:3 and 16:9 simply by pressing a button.



Monitors And Accessories

PVM-14N5	449.95	MB502B	
PVM-14N6	499.95	Monitor Bracket (14" Only) ..	169.95
PVM-20N5	889.95	SLR-102 Slide Rails Kit	172.95
PVM-20N6	929.95	SLR-103A Slide Rails Kit	199.95

PVM-14M2/14M4/20M2/20M4

13-inch & 19-inch Production Monitors

Sony's best production monitors ever, the PVM-M Series provide stunning picture quality as well as ease of operation, signal and a full range of optional functions. Four high-performance models in all (two 13-inch and two 19-inch), they share most features except that the "M4" models incorporate Sony's state-of-the-art HR Trinitron CRT display technology and use SMPTE C phosphorus instead of P22.

FEATURES**Superior Performance**

- Incorporating Sony's state-of-the-art HR (High Resolution) Trinitron CRT enables the PVM-14M4 and PVM-20M4 to display an incredible 800 lines of horizontal resolution. The PVM-M2's have an aperture grille dot pitch of 0.25mm to offer 600 lines of resolution, and an increased display of image details. In addition to their HR CRT, the M4's also use SMPTE-C phosphorus for the most critical evaluation of any color subject.
- All PVM-M Series CRTs incorporate a dark tint. This means a higher apparent contrast ratio (black to white) and crisper, sharper looking edges.
- An NTSC comb filter with enhanced pulse response characteristics ensures accurate luminance and chrominance separation is achieved.
- Because monitor white balance is prone to drift during continuous operation over a long period of time, they are equipped with a beam current feedback circuit. This corrects for white balance drift and results in long-term stability of color reproduction.

Input Versatility

- True multi-system monitors, they can handle four worldwide color system signals: NTSC, NTSC 4.43, PAL, and SECAM with automatic selection (when set to "AUTO" on the on menu).
- They each have two composite (BNC), one S-Video and one component input (R-Y/B-Y, analog RGB) for system flexibility. For more accurate color reproduction, the component level can be adjusted according to the input system.
- By installing the optional serial digital interface kit BKM-101C for video and the BKM-102 for audio they can accept SDI (SMPTE 259M) signals.
- External sync input and output for synchronization with other equipment. The external sync can be set so that it will automatically switch according to the input selected.
- In addition to the traditional 4:3 aspect ratio they offer 16:9 as well.
- When the power is turned on, the CRT is automatically degaussed. Degaussing can also be done manually.

**Advanced Production Features**

- Automatic color control (ACC) function can be turned off for accurate color signal evaluation.
- Blue gun only mode allows color level adjustments as well as noise level checks to be easily done.
- Underscan and H/V delay functions. When the underscan mode is selected, the entire active picture area is displayed. This allows you to view the entire image and check the picture edges. The H/V delay function allows viewing of the blanking area and sync/burst timing by displaying the horizontal and vertical intervals in the center of the screen.
- Automatic Chroma/Phase setup mode facilitates the complex, delicate procedure of monitor adjustment. Using broadcast standard color bars as a reference, this function automatically calibrates chroma and phase. Especially convenient when used with non-linear editing systems to align the color reproduction of the video signal output.
- Color temperature is switchable between 6500K/9300K/User preset. 6500K is the broadcast standard and is factory preset. 9300K is for a more pleasing picture. User preset is 3200K to 10,000K. A "User Copy" menu allows you to copy 6500K or 9300K temperature settings into the "user setting" to speed custom white balance adjustment.

Remote Control

- Parallel remote control and Tally can be operated via a 20-pin connector.
- The monitors are equipped with RS-422 serial interface for serial remote control capability. By installing the optional BKM-103 RS-422 serial remote control kit, all monitor functions can be remotely controlled with confidence and precision. A "Serial Remote" menu is provided for identifying and selecting the setup for remote control: off, on, single address, group address. By viewing this menu, you can identify and activate the serial remote for one or more monitors.



PMV-20M4 Rear Panel

PVM-14M2/14M4/20M2/20M4

Operational Conveniences

- A variety of on-screen STATUS menus for monitor adjustment/operation are provided. 'Status' menu is a convenient reference for identifying the monitor model name and existing monitor settings for color system, color temperature, component level, color setup levels, ACC, comb filters and whether any optional boards are installed. The on-screen menu display can be viewed in English, French, German, Spanish or Italian.
- Sub control mode allows fine, on-screen adjustment of the center "detent" value of the contrast, brightness, chroma and phase knobs. A particular level can be set for the center click position so that multiple monitors can all be set to the same reference level.
- In addition to controls on the front panel, a user memory is available for brightness, chroma, phase, contrast, aperture and volume control settings in the menu mode.
- The PVM-14M2/PVM-14M4 mount into a 19-inch rack with the optional MB-502B Rack Mount Bracket. The PVM-20M2/PVM-20M4 monitors mount with the optional SLR-103A Slide Rail Kit.

Monitors and Accessories

PVM-14M2	879.95
PVM-14M4	1139.95
PVM-20M2	1849.95
PVM-20M4	2079.95
BKM-101C SDI Kit (Video)	934.95
BKM-102 SDI Kit (Audio)	729.95
BKM-103 Serial Remote Control for RS-422	219.95
MB502B Monitor Bracket (14" Only).....	169.95
SLR-102 Slide Rails Kit	172.95
SLR-103A Slide Rails Kit.....	199.95
TU-1041 TV Tuner	437.95

PVM SERIES	14N5/20N5	14N6/20N6	14M2/20M2	14M4/20M4
Screen Size (Diagonal)	13"/19"	13"/19"	13"/19"	13"/19"
Color System	NTSC, PAL, SECAM, NTSC 4.43 with Automatic Selection			
5 Language Menu	English, French, German, Spanish, Italian			
Phosphor Type	P22		SMPTE C	
Horizontal Resolution	500 lines		600 lines	800 lines
Serial Digital Interface	—		Optional BKM-101C (Video) BKM-102C (Audio)	
9-pin Serial Remote	—		Optional BKM-103 Serial Remote Control Kit	
Color Temperature	6500°K		Switchable between 6500°K/ 9300°K/User Preset	
Aspect Ratio	—	Switchable 4:3/16:9 Aspect Ratio		
On-Screen Auto Chroma/Phase	Yes	Yes	Yes	Yes
On-Screen White Balance	Yes	Yes	Yes	Yes
On-Screen Color Temp	Yes	Yes	Yes	Yes
Closed Captioning	—	—	Yes	Yes
Tally Lamp	—	—	Yes	Yes
Blue Only Mode	—	—	Yes	Yes
Underscan, H/V Delay	—	—	Yes	Yes
External Sync Input	—	—	Yes	Yes
Inputs:				
Composite Video	x2 (BNC)	x2 (BNC)	x2 (BNC)	x2 (BNC)
S-Video	x2 (4-Pin)	x2 (4-Pin)	x1 (4-Pin)	x1 (4-Pin)
RGB Component	—	RGB Only (x3 BNC)	RGB/Component (x3 BNC) Selectable	
Audio Inputs	2	3	4	4

PVM-20S1W

20-inch 16:9 Production Monitor

The PVM-20S1W incorporates all of the superb features of Sony production monitors for 16:9 viewing in post-production and broadcast stations. It features multi-system compatibility, blue gun, underscan and H/V delay. It also offers flexible signal connections, a full range of optional functions and ease of operation.

**FEATURES****Input Versatility**

- Two composite (BNC), S-Video and component (R-Y/B-Y or analog RGB) input/output for system flexibility.
- Accept SDI signals by installing the optional BKM-101C interface kit for video and BKM-102 for audio.
- External sync input for synchronization with other equipment.
- Automatic and manual degaussing
- Parallel remote control and Tally can be operated via a 20-pin connector.
- RS-422 serial interface permits all monitor functions to be remotely controlled when the optional BKM-103 RS-422 serial remote control kit is installed.

Conveniences

- On-screen menu display in English, French, German, Spanish or Italian.
- Sub control mode allows fine, on-screen adjustment of the center "detent" value of the contrast, brightness, chroma and phase knobs. A particular level can be set for the center click position so that multiple monitors can all be set to the same reference level.
- In addition to controls on the front panel, a user memory is available for brightness, chroma, phase, contrast, aperture and volume control settings in the menu mode.
- Can be rack mounted in a 19-inch rack with the optional SLR-103A Slide Rail Kit.

Super Performance

- 20-inch wide tube facilitates comfortable 16:9 picture viewing. Dark tint panel provides high contrast images. Aspect ratio is 16:9/4:3 switchable.
- A true multi-system monitor, it handles NTSC, NTSC 4.43, PAL, and SECAM. All signal types are automatically selected.
- Comb filter with enhanced pulse response ensures accurate luminance and chrominance separation is achieved.
- Beam current feedback circuit for long-term stability of color reproduction.

Production Features

- Color temperature is switchable between 6500K/9300K/User preset. 6500K is the broadcast standard and is factory preset. 9300K is for a more pleasing picture. User preset is 3200K to 10,000K.
- Blue gun only mode allows color level adjustments as well as noise level checks to be easily done.
- Underscan mode displays the entire active picture area, allowing you to view the entire image and check the picture edges.
- H/V delay function allows viewing of the blanking area and sync/burst timing by displaying the horizontal and vertical intervals in the center of the screen.
- Automatic Chroma/Phase setup facilitates monitor adjustment. Using color bars as a reference, this function automatically calibrates chroma and phase. Especially convenient when used with non-linear editing systems to align the color reproduction of the video signal output.

FERAL QS-440 Quad Split

The QS-440 is a multiple input display and re-sizing device that accepts



one, two, three, or four video inputs with the ability to combine them into a single video output. Each input is independently scalable, allowing for resizing vertically and/or horizontally, and each can be independently positioned.

The QS-440 offers composite and Y/C inputs and outputs, automatically transcoding between the two formats. Each input is a full-frame buffer TBC, accepting asynchronous inputs with standard operation in NTSC or PAL. Designed for ease of operation, it accepts genlock inputs and is fully controllable via RS-232.

Equipped with a powerful scaling engine and digital comb filter, the QS-440 offers image cropping, independent channel scaling and aspect control, edge enhancement, and source ID with independent channel OSD. All this with exceptional reduction in stair-stepping, jagged edges, pixelation, and line-loss often found in less advanced video scaling devices.

At 1RU high, the QS-440 is ideal for ENG vans, production suites, the desktop — any application where you need to combine multiple video inputs into one video output display.

PVM-2950Q

29-inch Color Video Monitor

The 29-inch (27-inch visible) PVM-2950Q combines style with the quality performance inherent in all Sony monitors. Rectangular shape, robust design and touch panel control, plus high resolution, multiple inputs, switchable 4:3/16:9 aspect ratio and index capability enable use in almost any display configuration.

- Cubic style makes the PVM-2950Q almost the same size as the CRT which it houses. By adopting a touch panel control instead of the usual knobs, the monitor has a sleek, sophisticated appearance.
- High resolution of 600 lines for sharp, clear pictures. Also equipped with digital comb filters and automatic beam current feedback to reduce cross color and achieve superb picture reproduction.
- Selectable color temperature of 3200K, 6500K (the factory preset) and 9300K.
- Operation and monitor adjustment can be executed with the supplied RM-854 remote control. When setting up the monitor in multiples, each monitor can be individually adjusted by recalling the assigned monitor index number. The TU-1041 TV Tuner can also be remote controlled.
- Multisystem capability, accepts NTSC, PAL, SECAM and NTSC 4.43 signals.



- Control levels and status are displayed on the screen while performing monitor adjustments. Once the desired settings are determined, an advanced memory function enables these to be memorized for each line input. The memorized data is easily accessed and can be recalled.

TU-1041 TV Tuner

The TU-1041 TV tuner is capable of receiving 181 VHF, UHF and cable TV channels. Incorporating a PLL (Phase Locked Loop) system, the TU-1041 provides easy, direct access to these channels. In addition, a full range of convenient functions such as MTS (Multi-Channel TV Sound), AFT (Automatic Fine Tuning) and remote control capability, allow the tuner to be easily used with any monitor in a wide range of applications. The

tuner can also be DC powered, thus allowing its use in ENG/EFP applications. With the optional MB-512 Monitor Mounting Bracket the TU-1041 can be combined with Sony's PVM 5-inch and 8-inch portable monitors.

- Built-in MTS (Multi-channel TV Sound) decoder enables the reception of SAP (Second Audio Program) broadcasts.
- Automatic/manual preset function In automatic programming mode, all receivable channels can be preset sequentially, from low to high frequencies. In the manual programming mode, active channels can also be arranged in any desired sequence. Desired channel can be accessed simply by specifying the corresponding number.
- Receives 181 VHF/UHF and cable channels for wide channel coverage.
- An AFT (Automatic Fine Tuner) circuit is incorporated in the tuner to ensure optimum channel reception. AFT prevents channels from overlapping and interfering with one another. Manual fine tuning is also possible.
- Optional MB-510 Rack Mount Kit allows two tuners to be mounted side by side into a standard 19-inch EIA rack.
- Supplied RM-921 wireless remote operates MTS and channel selection. The tuner also has a Control-S input/output terminal which enables one remote to control an integrated monitoring system.
- For field production, the tuner can be DC powered with NP-1B nicad batteries. The front panel channel indicator can be turned off in an energy saving mode to extend battery life. With the optional MB-512 bracket, the tuner can be attached to the PVM-5041Q, PVM-8042Q and PVM-8045Q field monitors.

PFM-500A2W/PFM-510A1W

42-inch Flat Panel Monitors

Taking flat panel image display technology to the next level, Sony's PFM series extends monitoring applications far beyond anything previously imaginable. Lightweight and incredibly thin (less than 6-inches deep) they display crisp direct-viewing images. With a built-in scan converter, they handle various signal inputs with superb versatility, while Four-Line Vertical Interpolation technology reproduces every nuance of the original source.

Virtually identical, the PFM-500A2W offers 852 x 480 pixel resolution while the PFM-510A1W has higher-resolution of 1024 x 1024 pixels.

Whether they're used as multi-source information monitors, presentation monitors or wall-mounted video displays, they are exciting visual tools that will expand your application horizons.

**FEATURES****Advanced Scan Converter**

To capture and display the finest detail from a wide range of sources, they are equipped with an advanced scan converter, which includes variable and offset phase sampling and Four-Line Vertical Interpolation technologies to smooth out edges, so on-screen objects and shapes look perfectly natural.

- Four-line vertical interpolation reproduces optimum images from various computer signals by utilizing the data of four lines from the original signal to generate each interpolated line.
- The scan converter can intelligently reproduce a wide range of existing video signals including composite, S-Video, (NTSC or PAL), component, RGB and HDTV signals. Computer signals with horizontal frequencies ranging from 15.6 to 80 kHz. (PFM-510A1) and 15.6 to 100 kHz (PFM-500A2)) can also be reproduced.

Input slot for future options

- Because the new digital video age is rapidly evolving, tomorrow's options continue to grow. Sony Flat-Panel monitor will accommodate plug-and-play adapters for many future applications. For example, a custom computer card could be manufactured and placed in the PFM to create a self-contained, stand-alone computer system.

HDTV-Ready

- They are ready for the next big step in home entertainment! It displays HDTV images and any of today's proposed DTV formats, opening your system to a whole new world of viewing possibilities

Flat Panel Advantages

- Wide viewing angle of 160 degrees in all directions. The clear pixel-by-pixel images appeal to large audiences in many different applications.
- Resistance to magnetic influence—flat panel monitors can be installed in areas where the effects of magnetic field are prevalent, without experiencing interference such as color uniformity drift. These effects are caused by equipment employing magnets such as motors or speakers, or high-tension electrical wires. Unlike conventional CRTs, flat panels are free from such disturbances.

Versatile inputs

- Inputs include composite, S-Video, RGB/component and stereo audio. Also has a built-in 7W x 7W stereo amplifier, so you can connect optional speakers in stand-alone entertainment applications

Conveniences

- Supplied RM-921 remote control puts all viewing operations at your fingertips.
- Using your remote you can zoom in on a picture area or still frame your picture to take a close look at key details.
- Change aspect ratios from standard 4x3 to widescreen 16x9 format. You can also adjust the size of your picture both horizontally and vertically, so you'll have the ideal display area for any video format
- On-screen menus in five languages: English, French, German, Spanish, and Italian.
- Each monitor has four carrying handles on the rear side and unique retractable feet. This allows them to be moved and installed with a minimum of effort and with no additional devices.

**PFM-510A1W
Step-up Features:**

- Incorporates a high resolution flat panel with 1024 x 1024 pixels, providing an impressive visual experience with bright, sharp clarity and dramatic fine detail. The high-resolution panel used in the PFM-510A1W also achieves even higher brightness so it can clearly displays any high definition source.

FEC Rackmounts for Sony Monitors

FEC Accessory	Description	# Rack Units Required (1 RU = 1.75")	Rail Depth Required Between Front & Rear Cabinet Rails	Mounts On (Front Rail or Rear)	Price	
PVM-97	RKPM8044(A)	Dual Rackmount for two Monitors	5	11 3/4"	F	128.95
PVM-14M2U/4U PVM-14N1U/2U PVM-135/137 PVM-1350/1351/1354	RKPM1341 (For any of these Monitors)	Custom Rackmount Kit	8	15 3/4"	F	128.50
PVM-20N1U/2U PVM-20N5U/6U	RKSPVM2O For these Monitor	Custom Rackslide Shelf. Requires 11 RU Panel Space	11	20 - 30"	F&R	174.95
PVM-20M2U PVM-20M4U PVM-1954U	RKPM1954 (For any of these Monitors)	Custom Rackshelf	10	19 - 30"	F&R	156.50
PVM-5041	RKPM5041	Custom Triple Monitor Rack Kit	4	13 3/4"	F	128.95
PVM-8040 PVM-8041/42 PVM-1954U PVM-8054/55	RK-PM8044(A) (For any of these Monitors) BP8044 WF8044	Dual Rackmount for 2 Monitors Blank Panel for RKPM8044 Waveform Adapter for Tektronix 1700 Series and similar. RKPM8044 required.	5 5	13" 17 3/4"	F -	128.95 39.50 128.95
SSM20N1U/5U	RKSPVM2O	Custom Rackslide Shelf. Requires 11 RU.	11	20 - 30"	F&R	174.95

PIONEER PDP-502MX

Top-of-the-Line, 50-inch Professional-Use XGA Plasma Display

- True matrix imaging technology makes on-screen images brighter than ever.
- New black stripes reduce the amount of external light reflected off the screen surface to effectively double image contrast when the display is used in bright locations. Enjoy sharp pictures, even under bright ambient lighting conditions, with no reduction in black contrast.
- More brilliant white reproduction thanks to the employment of an improved blue phosphor that features an improved illumination efficiency balance.
- Exclusive Digital Signal Processor (DSP) uses progressive conversion to boost NTSC picture quality up to 8x. It first doubles the interlaced signal to VGA level. Then, by interpolation and estimation, doubles the information content in both the horizontal and vertical directions. The result is an 8-fold increase in original signal density that optimizes picture reproduction.
- Digital high density image scaling technology also succeeds in doubling the 1080i HD signal density, which means you can enjoy superb high-definition pictures that no CRT-based system can match.
- Eliminates the generation of false image contours—one of the greatest image problems with conventional plasma displays.
- Digital enhancer achieves clear, high-resolution pictures from all input signals including PC, video, etc.
- Equipped with a 980,000-pixel (1280 x 768 dot) 50-inch high-resolution plasma panel, it accepts PC signals ranging from VGA to UXGA (1600 x 1200 pixel) and everything in-between. What's more, the full 1280 x 768 pixel display can be used in a 16:9 native mode with an exclusive PC card or driver. Thanks to the high resolution and large signal bandwidth, the PDP-502MX is also compatible with HDTV signals from an optional tuner.
- The PDP-502MX is capable of exceptionally clear and high-resolution reproduction of pictures from a host of signal sources including HDTV, PC and standard video.
- With a newly developed display panel and new drive sequence technology, the panel is 160% brighter and contrast ratio improved at 280% of its predecessor.
- Optional side-mount speakers PDP-S03-LR are vertical twin-system slim-type speaker systems are designed for mounting on both sides of the plasma display. Each combines a dome-type tweeter sandwiched between two woofers.
- External RS-232 control interface
- Discrete input and function control
- White balance switching function
- 4 sets of inputs + 2 sets of outputs
- Audio amplifier (2 W x 2W)

PREMIER MOUNTS

PSD-FS

VIDEO MONITORS

564

“Cobra” Floor Stand Adapter

Designed to enhance the slim lines of all large screen plasma displays, the PSD-FS “Cobra” floor stand adapter adds function as well as great looks to any floor mounted plasma display system. Constructed of heavy gauge steel and easy to assemble, the PSD-FS when mated with any of Premier’s “flat style” plasma display mounts, will safely hold the plasma display at the proper center of gravity position. The PSD-FS floor stand adapter also allows for vertical mounting of those monitors capable of vertical “bill board” type operation.

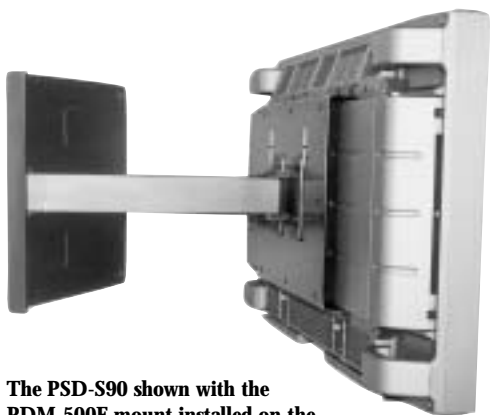
- Center of screen viewing height is adjustable from 44" to 50" making the PSD-FS adapter ideal for home, board-room or convention exhibit display types.
- Power and signal cables can be routed up through the stand between the stiffener braces that run the length of the stand to minimize cable visibility.
- Optional PSD-SH (23½"W x 17½" D) equipment shelves can be easily inserted into any of three various height insertion points within the stand.
- Weighs 85 lbs.
Color: Hammer Silver/Black
Ships: 2 containers



Sony PFM-500 A2W 42" plasma display shown with the PDM-500F plasma mount installed on the PSD-FS “Cobra” floor stand.

PSD-FS “Cobra” Floor Stand Adapter629.95

Note: The PSD-FS requires the Premier “flat style” plasma display mount which must be added (see next page)



The PSD-S90 shown with the PDM-500F mount installed on the Sony PFM-500A2W monitor

PSD-S90

Horizontal Swing Out/Swivel Wall Mount Adapter

Designed to mount on 16" wood stud center pairs, solid or reinforced walls, the PSD-S90 when mated to a Premier “flat style” mount, allows for optimum placement of the plasma monitor for the viewing audience. Once installed the plasma monitor can be pulled out up to a 90° angle from the wall with the additional benefit of almost 180° swivel from the end of the adapter. The PSD-S90 also allows for vertical mounting for those monitors capable of vertical “bill board” type operation.

- Constructed of heavy gauge steel the PSD-S90 can easily handle large screen plasma displays weighing up to 150 lbs. (properly installed).
- The back plate of the PSD-S90 has partial “knock outs” to bring power and signal cables directly into the back of the display minimizing the cable’s visibility.
- The PSD-S90 is only 2½" deep when placed flat against the wall for storage.

PSD-S90 Horizontal Swing Out/Swivel Wall Mount Adapter (requires the Premier “flat style” plasma display mount)249.95

Premier also offers custom “in wall” mounts, wall/ceiling mounted protective enclosures, and horizontal or vertical table top stand adapters for large screen plasma displays

Most Orders Shipped Within 24 Hours

PREMIER MOUNTS

WALL & CEILING MOUNT SYSTEMS

Full Tilt or Flat Wall Mount Brackets

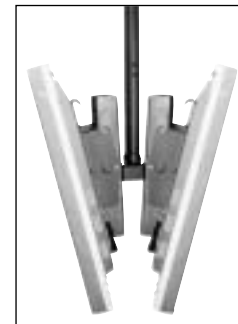
42" plasma monitors can be wall mounted with the full tilt featured PDM-xxxT (tilting) or ultra slim PDM-xxxF (flat) wall mounts. The tilting mounts feature a tilt adjustment of 0° -5° - 10° -15° with positive locking of the set angle. Both mounts attach to the wall on 16" stud center holes configured in the mount. Dual electrical handy box type "knock outs" are available in the base of the mount to facilitate power and signal cables outlets within the mount to minimize visible cables. Optional PSD-S or PSD-D adapters when mated with the PDM-xxxT or PDM-xxxF provide a (single) 1-1/2" or (dual) 2" NTP (national tapered pipe) swivel coupling with thread lock ceiling mounting points.



PDM-442F (flat) wall mount kit installed on Panasonic PT42P1 42" plasma display



PDM-442T with PSD-S (single display) ceiling mount adapter



PDM-442T with PSD-D (dual display) ceiling mount adapter

Wall Mount Brackets and Ceiling Mounting Accessories

PDM-405F Flat for Mitsubishi 40-inch	249.95
PDM-405T Tilting for Mitsubishi 40-inch	329.95
PDM-425F Flat for NEC 42-inch	249.95
PDM-425T Tilting for NEC 42-inch	329.95
PDM-442F Flat for Panasonic	249.95
PDM-442T Tilting for Panasonic	329.95
PDM-500F Flat for Sony	249.95
PDM-500T Tilting for Sony	329.95

PDM-501F Flat for Pioneer 50-inch	249.95
PDM-501T Tilting for Pioneer 50-inch	329.95
PSD-S 1 1/2" NTP (single) Ceiling Adapter	59.95
PSD-D 2" NTP (dual) Ceiling Adapter	79.95
AST-2446 1 1/2" Adjustable Height Suspension Adapter for drop or high ceiling type installation	179.95
AST-2446/2 Same as above except 2"	269.95

The AST-2446 or AST-2446/2 adapters feature a height adjustment range of 24"-46" (12"-24" with cut) in 1/4" increments and can mate directly with the PSD-S or PSD-D ceiling mount adapters



UPD-T Series/UPD-F Series

Tilt or Flat Plasma Mobile Cart Systems

The UPD-xxxxT (tilt) or UPD-xxxxF (flat) series of mobile stands permit the safe roll around movement of large screen plasma displays. The monitors can mount directly in either the horizontal or vertical mode to the cart for safety. The color scheme for the new mobile display is black and chrome to further enhance the attractive slim lines of the new plasma displays.

- Centerline of screen height from floor adjustability ranges from a low of 24" to a high of 60".
 - The UPD-xxxxT allows flat, 5°, 10° and 15° tilting of the display on the cart. The UPD-xxxxF comes in a flat only mode.
 - Optional height adjustable 18" x 22" flat equipment shelves are available.
- UPD-xxxxT** Tilt Mobile Stand **699.95**
UPD-xxxxF Flat Mobile Stand **649.95**
 xxxx Specify for brand plasma

TELEPROMPTERS

Have you ever wondered how newscasters or other professional speakers are able to speak in front of a camera without once taking their eyes away from the camera to read their notes? Well the answer is, through a teleprompter. Basically, what a teleprompter does, is to feed the print to be read, to a screen placed at the front of the camera lens allowing the speaker to look straight at the camera and read the text on the teleprompter screen. A teleprompter is actually a monitor that is mounted (usually to the same tripod as the camera) below a specially coated semi-transparent mirror positioned at an angle, so that the text from the monitor is reflected to face the speaker, without the camera lens picking up the text. Prompters work with computers where a word processor is used along with specialized software to control the scrolling of the pages.

Depending on the manufacturer, different types of software are available to enhance the capability of the teleprompter. Some programs allow multi-tasking. That is, while the computer is generating the text that is scrolling down the monitor, the word processing program can correct errors and immediately flash the correction across the screen before that part of the text is mistakenly read.

These software programs also support foreign fonts and characters, and are available for Mac and Windows. Prompter displays usually come in different sizes from 9"-15" to accommodate different distances. Special lightweight Flat Display Panel systems are available for location work or where the available tripod can't support the weight of a full size CRT. For location work, there is software designed to work with laptop computers. These systems work on DC power and are also capable of receiving the text via modem or other local computer.

Another version of a teleprompter is what is generally referred to as an Executive prompter. This is designed for public speakers that want to give a dynamic speech without having to look away from the audience to look at his or her notes. Basically it is a standard prompter that, instead of being attached to the front of the camera lens, is placed in a wood cabinet to the side of the speaker and has a mirror protruding from an attached pole. The mirror is positioned at an angle to the speaker not to block the audiences view of the speaker, while allowing the speaker to see the text clearly.



MVP-9 9-inch AC/DC Mini Video Prompter

The MVP-9 is designed for use with small cameras and small spaces. It is 19" high, 16" deep and weighs only 14.5 lbs. It packs very tightly, making it easy to take anywhere. Well-suited for multiple on-camera displays, it is also at home in corporate environments, television studios as well as virtually any remote situation.

- Offers the same level of performance as the larger CRT-based units but in a small, light-weight configuration that can be AC or DC powered.
- Created for the new generation of smaller, lighter cameras, it weighs only 14-1/2 pounds
- High brightness monitor designed specifically for prompting
- Both the monitor and camera mount set up quickly and easily.
- VPS Eyeline feature assures maximum eye contact with lens while reading the script.

MVP-12 12-inch AC/DC Video Prompter

The MVP-12 incorporates QTV's latest design technology for studio and EFP prompting and features the most advanced circuitry for a prompter of this size.

- Fully self-contained, it offers high brightness and high resolution that ensures unmatched ease of readability for the speaker.
- Weighs only 21 lbs. including the quick release roller plate for fast mounting and balancing.
- Below the lens mounting is utilized resulting ideal counter balancing for ease of operation.
- Powered by AC or DC current utilizing Sony NP-1-type or Anton Bauer brick batteries, allowing on-location as well as studio prompting.



15 ONCAM / 17 ONCAM

15" and 17" On-Camera Promoters for Studio Use

The industry-standard, the 15" and 17" On Camera promoters are designed for use with any camera, for any application. The high contrast, high resolution monitor, created by QTV, is the result of state of the art components and design. The monitor permits a much greater degree of tilt because of its cutaway feature.

- VPS Eyeline feature superimposes copy over the camera lens, enabling the reader to maintain maximum eye-to-eye contact.
- Both are available in a free standing pedestal model, which can be utilized both in the studio and in remote situations.
- Regardless of whether you use a computer or paper transport system, the promoters ensure the talent has clear access to the prompter.
- Identical in features, the 17" has a viewing area of 123 sq. inches, 39% more than the 15" model.



For almost 40 years, QTV has been the acknowledged leader in designing and supplying teleprompting systems for use in the studio and on remote locations. Broadcasters, production professionals and corporate producers have all looked to QTV for excellence in prompter display and prompting delivery systems.

ESP Executive Speech Prompter

The key to making a presentation more believable, more powerful and more inspiring, the Executive Speech Prompter gives speakers the freedom to look and feel confident and at ease. Because from the moment they appear at the podium, they know they have the advantage of one of the most powerful communication tools available. Text can be created on a word processor and then converted into the prompt format from a Computer prompter. The speech is then displayed on a 10"x15" optical panel positioned on each side of the rostrum that appears as clear glass to the audience. The base unit is made of aluminum with an oak panel cover that has an adjustable pole that extends to the speaker's height to hold the optical glass panel. The speaker sees the copy, the audience sees only his/her effortless eye contact. This puts them in total control, allowing them to set their own pace, to ad-lib and to pause when necessary to provide the punch needed for a truly dynamic presentation. Memorization and constant note referral are a thing of the past.

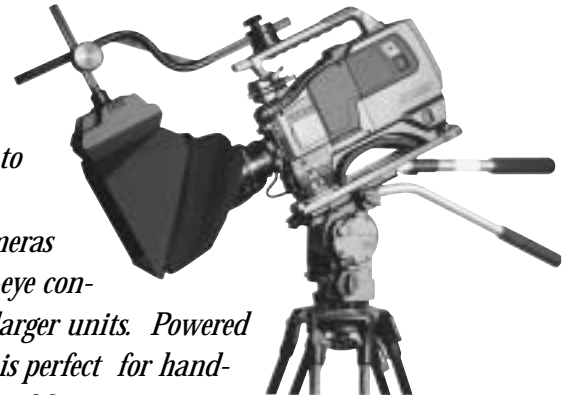


- Permits 'eye-to-eye' contact
- Makes every speaker more successful
- Does not block the audiences view of the speaker.
- Is practically invisible to the audience
- Allows the speaker to read the speech
- Requires no memorization or note dependency
- Guarantees speech content
- Relaxes the speaker
- Allows freedom of motion
- Is portable, compact and conveniently installed
- Has a record of outstanding success and performance

FDP-6

Lightweight 6-inch LCD Prompter

The idea behind the FDP-6 wasn't just to make it small, it was to make it a small wonder. Weighing only 3 lbs., the newest prompter from the industry leader, it incorporates state-of-the-art technology and is designed to work the newest generation of cameras— while giving you the same high quality you get from QTV's larger units. The FDP-6 fits all portable cameras with handle and 1/4-20 threaded hole. Eye-line assures maximum eye-to-eye contact. Special high efficiency glass delivers copy clarity on par with QTV's larger units. Powered by 12v DC (4-pin XLR), the FDP-6 takes only minutes to assemble and is perfect for hand-held cameras. Ideal for use in corporate environments, television studios, and location events.



FDP-11HB

11-inch High Bright Flat-Display Prompters

Incorporating Flat Display Panel (LCD) technology, the award-winning FDP-11HB (High Bright) prompter provides extremely bright illumination for outdoor use and is light enough to be used with robotics. It works on AC (multi-voltage) as well as DC, accepting Sony NP-type or Anton Bauer brick batteries. The FDP-11HB (High Bright) is identical plus it provides extremely bright illumination for outdoor use.



- Weighs only 10 lbs. including mounting bracket
- Proprietary slide balancing system takes the guess work out of balanced mounting making it easy to set up and breakdown.

- Efficient optics and brightness control ensure outstanding readability, even from distances of up to 20 feet, regardless of whether it is driven by composite video or RGB.

FDP-12/FDP-15

12- and 15-inch Flat-Display Prompters

The 12-inch FDP-12 has all the the features of the FDP-11HB without the high brightness. It offers multi-voltage AC as well as DC capability. Superior optics ensures easy-to-read copy up to 20-feet. Compact, it weighs only 10 lbs. The FDP-15 features superior picture quality in a compact and lightweight design. Although it has a display that is almost 4" larger than the FDP-11HB, it requires only a 30 lbs capacity tripod head to support it. Easy to read in any news or corporate studio environment where large studio prompters are required. As with the FDP-11HB and 12, it is multi-voltage and can use Sony NP-type or Anton Bauer brick batteries.



Overnight Shipping Available

WINCUE LT/PRO



Teleprompter Software for Macintosh

CueMac for the Apple Macintosh platform is a full featured word processor and also allows importing existing scripts fully formatted from most Mac and DOS word processing programs (not just ASCII). Special script management software is built in to the word processor that estimates the running time of selected scripts as they are imported or as changes are made. In addition to scripts created in other Mac programs the system directly imports files created in Windows, DOS, UNIX and DEC VAX environments. Files can be imported from floppy or directly over a local area network. Being fully Worldscript compatible makes prompting in any language natural and easy. CueMac can output to all video standards and computer monitors. Smooth scrolling is achieved without the need for a special controller device. Easy text editing can be done by just double clicking the text in the prompt window which automatically opens up its own word processing style window for instant revisions.

TELEPROMPTERS

WINCUE LT/PRO *Prompting Software for Windows 95/98/NT*

Running under Windows 95 and NT, WinCue takes full advantage of the 32-bit "drag and drop" environment for unprecedented ease of use and performance. Help screens and simple menus ensure simplicity and a short learning curve. Prompting can be done in any language and networking is also possible. At the heart of the software is the WinCue Edit Station which is a full featured word processor designed for script prompting. This unique program can be used instead of standard word processing programs. Features include split screen editor for multi-tasking, thousands of scalable True Type Fonts in multiple colors, spell check and Thesaurus. In addition, more than fifty document formats can be imported. Word count and script timing features are also built-in. WinCue LT is designed for location prompting and features all of the WinCue Edit Station features plus on-screen editing, scrolling, editing of True Type fonts, unlimited Bookmarkers and Prompter Notes. WinCue PRO is designed for the most demanding production and real-time environments. It has all the features of WinCue LT plus offers run-order management of the script, QTV's patented P4 Glidescroller which allows simultaneous prompt and edit, Newsroom compatibility with popular Wire agency protocols and networking capability.



569

- Split screen editor
- Instant on-screen editing
- Cut & Paste
- Block Move
- Unlimited bookmarks and prompter notes
- Scrolls and edits thousands of scalable True Type fonts
- Multilingual including Arabic, Chinese, Japanese, Korean and many more
- Underline, Italics, Bold,
- Inverse Video
- Multiple Colors
- Import 50+ document formats
- Word count and script timing
- Spell check and Thesaurus

QTV Prices

MVP-9 9-inch AC/DC Prompter (Studio/Remote)	2099.00	CueMac Software Package	2099.00
MVP-12 12-inch AC/DC Prompter (Studio)	2495.00	WinCue LT Software Package:	
15 ONCAM* 15-inch On-Camera Prompter (Studio)	2495.00	• WinCue LT Software License Disk	
17ONCAM* 17-inch On-Camera Prompter (Studio)	2650.00	• (4) WinCue LT Program Disks	
FDP-6 6-inch LCD DC only Prompter (Studio/Remote)	2349.00	• IMT Genlockable Video Card	
FDP-12SB 12-inch AC/DC Standard Brightness LCD Prompter (Studio)	3995.00	• Hand Control	2495.00
FDP-11HB 11-inch AC/DC High Bright LCD Prompter (Studio/Outdoor Remote) ..	4795.00	WinCue Pro Software Package:	
FDP-15* 15-inch LCD Prompter (Studio/Indoor Remote)	4779.00	• WinCue Pro Software License Disk	
PEDSTD 15-inch Free Standing Prompter (Studio)	2795.00	• (4) WinCue Pro Program Disks	
ESP Presidential Executive Speech Prompter	2295.00	• IMT Genlockable Video Card	
		• Hand Control	3149.00

* Includes VPS Eyeline, for **oversized** VPS Eyeline add \$250. (An oversized eyeline should be considered when using full-size studio cameras with full-size studio premium lenses—which are 7.5mm or wider)



VU-LITE SERIES



■ All VU-LITE series panels can be used for direct viewing—simply disengage from the prompter support hardware and flip the scans with a simple menu command.

Lightweight Flat Screen TFT LCD Teleprompters

Listec has combined the latest technology in Flat Panel displays with its own lightweight extrusions to produce bright, lightweight prompters. These active matrix TFT backlit panels are designed for users concerned about weight, portability and convenience. As such, they are ideal for jib arm mounting, robotic applications, location prompting and traditional studio use. Available with 11-, 12-, and 14-inch panels.

- They are compatible with current Listec CRT-based mountings and can be interchanged with existing hardware.
- They all accept NTSC/PAL composite and S-Video as standard. Each also accepts VGA computer signals with the 12-inch models offering SVGA capability. Automatic input selection is provided on all models.
- AC powered with universal 100-250v AC, 60-50Hz operation. An optional 12v DC adapter is also available.
- Controls are push-button driven from the on-screen menu. You can adjust brightness, contrast, color saturation, tint, image position, under/over scan, phase, black level and automatic return to default settings.

"P" Series

Fold-down mirror/hood assembly with ENG sliding balance assembly to support portable cameras with ENG lenses. Sliding counterbalance/riser available, if required

- T-2011P—11" (10.4" diag), 10 lbs. VGA
- T-2012P—12" (12.1" diag), 11 lbs. VGA
- T-2014P—14" (13.8" diag), 12 lbs. VGA

"CCD" Series

Standard size rigid trapezoidal mirror/hood assembly with EFP sliding balance assembly to support EFP camera configurations. Camera riser included, and sliding counterbalance available, if required

- T-2011CCD—11" - 12 lbs.
- T-2012CCD—12" - 13 lbs.
- T-2014CCD—14" - 14 lbs.

"FSW" Series

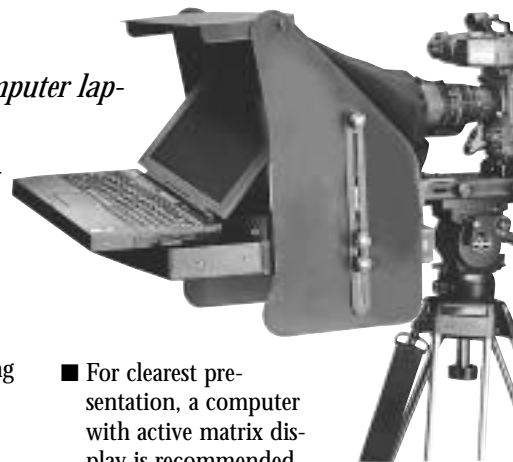
Extra-wide angle rigid trapezoidal mirror/hood assembly to support studio cameras. A special universal (long mount) balance plate is supplied to support full-size studio as well as portable cameras with box-type studio wide angle lenses.

- T-2011FSW—11" - 18 lbs.
- T-2012FSW—12" - 19 lbs.
- T-2014FSW—14" - 20 lbs.

T-2000 PromptBook

The PromptBook is a lightweight prompter hardware package to support computer laptops for teleprompting. With the T-2000 and Listec's A-6000WIN software, you can instantly turn your notebook computer into a versatile prompter display. Easy to set-up and even easier to use, this unique arrangement allows regular operation of Windows programs from the LCD screen, while projecting a reversed mirror image for direct eye-line viewing as a prompter.

- Simply insert the computer into the adjustable tray and you convert it into a prompter. Using the A-6000WIN program, your word processor becomes the prompter editor. Just 'print' the file to the A-6000 and scroll the text.
- Can support laptop computers weighing up to 8 lbs. Can be used with any ENG/EFP camera or camcorder.
- Easy-mount hardware with soft, fold-down hood assembly makes this compact package perfect for prompting in the field.



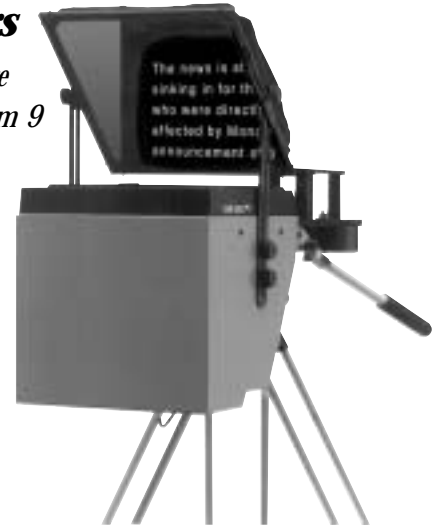
- For clearest presentation, a computer with active matrix display is recommended. Ensure that the computer's display folds back sufficiently to accommodate adjustment of the prompter mirror.

A-2009/A-2012/A-2015

9-inch, 12-inch and 15-inch CRT-based Teleprompters

Listec's line of CRT-based teleprompting monitors are designed for applications where weight is not so much the concern as is the price. Available in three basic models from 9 to 15-inches diagonal, there are multiple configurations available for both studio and field applications. Easy-mount hardware ensures quick setup and maximum flexibility of adjustment for all prompters.

- Two-part sliding balance assembly for fast and easy setup
- Cut-away housing for maximum tilt
- All the monitors are bright and easy to read. The 9-inch model can be read from 10-15 feet, the 12 and 15-inch models can be read from 15-20 feet.
- Easy access controls
- External scan reversal switch allows for direct viewing from the mirror.
- All models are available in 110v 60 Hz or 220v 50 Hz. 12v DC is standard on the 9-inch and 12-inch series.



"P" Series

Fold-down mirror/hood assembly with ENG sliding balance assembly to support portable cameras with ENG lenses. Includes riser and counterbalance.

- A-2009—9" - 17 lbs.
- A-2012P—12" - 37 lbs.
- A-2015P—15" - 55 lbs.

"CCD" Series

Standard size rigid trapezoidal mirror/hood assembly with EFP sliding balance assembly to support EFP camera configurations. Includes riser and counterbalance.

- A-2012CCD—12" - 42 lbs.
- A-2015CCD—15" - 60 lbs.

"FSW" Series

Extra-wide angle rigid trapezoidal mirror/hood assembly to support studio cameras. A special universal (long mount) balance plate is supplied to support full-size studio as well as portable cameras with box-type studio wide angle lenses.

- A-2012FSW—12" - 38 lbs.
- A-2015FSW—15" - 46 lbs.

SPECIALTY PROMPTERS

A-2012SA / A-2015SA

12-inch and 15-inch Stand-alone Prompters

These prompters provide off-camera eye-line viewing. They are ideal when support equipment has insufficient carrying capacity, or when a prompter is used infrequently.

- Standard trapezoidal mirror and hood assembly
- Compatible with all Listec on-camera hardware for future pedestal mounting upgrade.
- Cut-away housing
- External scan reversal switches
- Easy access to controls
- Includes roll-around dolly with height adjustment and 4" lockable casters
- Available in 110v 60 Hz or 220v 50 Hz. 12v DC is standard on 12-inch.
- The minimum operating height to monitor mounting platform is from 28" to a maximum of 42" plus approximately 22" for the mirror assembly.
- Gross System Weight::
12" — 57 lbs. 15" — 65 lbs.



A-2014CS / A-2015CS

14-inch Color and 15-inch B&W Speech Prompters

Known as the Executive Conference Prompters, these monitors are for speech presentations. Available for prompting in black and white or color, only the speaker sees the scrolling text or video feed.

- Wooden box to attractively mask the monitor. Minimum distance from base to mirror clip is approximately 3-ft. 3-in. to a maximum height of 5-ft. 8-in. (an extender is optionally available).
- Available in 110v 60 Hz or 220v 50 Hz.
- Easy access to controls
- External scan reversal switches (may be toggled for direct viewing of monitor only)
- System includes monitor, stand, 10" x 12" mirror assembly and fold-up wooden surround.
- Gross system weight: 50 lbs.



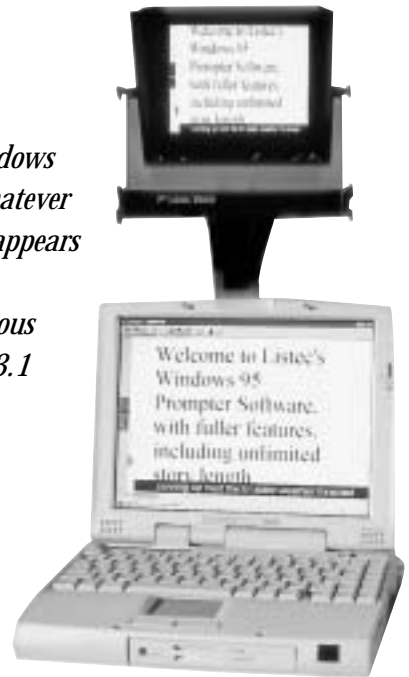
A-6000 WIN

Windows 95/98-based Prompting Software

The A-6000WIN Windows Prompter is truly unique, as it prompts formatted Windows documents. Simply produce the script using any Windows word processor. Assign whatever font size and attributes you wish; click on the "A-6000WIN Printer" and the text appears on the prompter display—exactly as you created it!

The A-6000WIN takes advantage of all that Windows allows, including simultaneous edit and prompt from Windows 98. (There is an A-6000WIN v 1.3 for Windows 3.1 compatibility).

- Prompting of all native Windows languages
- Unlimited story length
- Supports dual monitor capability from Windows98
- Prompting of two-column scripts with masking of cue track
- Bookmarks on-the-fly
- Story waiting indicator
- Moveable Cue marker with custom color selection
- Icons for Help, Program Options, Navigation, Bookmarks, Stop/Go, Inverse Video and Instantaneous Import of Waiting Story
- Floating tool bar
- Line Number/Page Number read-out to match Windows document with "go-to" hot keys
- Optional hand-held mouse for remote control of speed functions
- Lockable graphics Slider for mouse control of variable speed functions for remote operation



- Keyboard duplication of mouse/icon functions
- Selectable Windows True-Type fonts for live message line scroll
- Ability to hide tool bar, status line and speed Slider
- Context Sensitive Help Screens

A-6000 PC DOS-based Prompting Software

While not a Windows Program, the A-6000 PC may be accessed quite easily from Windows 95/98. It offers a single, triple split screen for edit, prompt and insertion of a cue track. It is a full featured Program but intuitive and easy to use. Supplied with a VGA-TV composite video converter and three-button serial trackball speed controller. A hand-held trackball controller with 100-ft. cable is optionally available. In addition to composing scripts within the A-6000 Editor, text files maybe imported at which point they are automatically reformatted for immediate prompting. Story title, font size, cue track and other attributes may be inserted into the file prior to import from another source and will be retained by the A-6000.

- Compatible with all VGA computers 386 or better with minimum 2MB memory
- Triple split-screen display
- Prompt and edit simultaneously with dual-card configuration.
- Three-button mouse/trackball for fully integrated prompting control
- Quick access to text
- Six MS/DOS language code pages for international prompting

We Exhibit At NAB, Infocomm, and Siggraph



MIRROR IMAGE

LC-SERIES

LCD Color Prompters

The LC series is a complete line of LCD-based teleprompters. Each is extremely lightweight—so no counterweight is required. All feature a fold-down-mirror and hood assembly for ease of shipping. For more versatility, they offer removable side panels for the hood. This allows the lens a wider angle of view when required but can be installed in bright outdoors. Four LCD prompters make up this series. They include a 10.4-inch version with SVGA and video capability and three 15-inch models (video only, SVGA only and video/SVGA capability.)



TELEPROMPTERS

573

Today teleprompters are “driven” by computers that provide the text. Software is available for Mac and PC based systems. Most computers have an output of VGA or SVGA and the signal must be converted using a scan converter to a composite video signal. Mirror Image was the first manufacturer to mount a computer monitor into the teleprompter so no converter was required. These extremely sharp and crisp monitors offer resolution twice that of a composite monitor, making it easier to read. A leader in computer-based teleprompting since 1986, Mirror Image continues to manufacture some of the most cost-effective systems on the market today.

LC-110

The Ultimate Field Teleprompter

This unit features a 10.4" LCD color panel and weighs only 15 lbs. It requires no counterweight. It's LCD panel puts out more light than a conventional CRT. The LC-110 has a fold-down mirror assembly and breaks down extremely small for shipping.

- Runs on 110/220 volt AC or 12 volt DC.
- Accepts SVGA direct from your computer and requires no scan converter. Also accepts NTSC or PAL signals, making it ideal for teleconferencing.
- Sliding tripod mount system allows easy set-up and balancing.
- Mirror size: 12.75" x 10". Weighs 15 lbs.

LC-1105,895.00

LC-1550

Video Only LCD Teleprompter

Identical to the LC-150, except the LC-1550 only accepts NTSC composite video signals, making it ideal for teleconferencing. Easy to set-up, the LC-1550 is ideal for multi-camera studio use.

- Runs on 110-volt AC or can be powered by a 12-volt power source using the optional AC/DC-1 power inverter.
- Accepts NTSC composite signal
- Sliding tripod mount system allows easy set-up and balancing.
- Built-in reverse scan switch keeps text normal for easy reading. Eliminates the need for a VGA-MI reverse image amp/splitter
- Mirror size: 15.5" x 12.75". Weighs 23 lbs.

LC-15504,595.00

LC-160

Top-of-the-Line LCD Teleprompter

Identical to the LC-110, except it offers a huge 15-inch color LCD panel. With the larger panel, text can be clearly read from up to 25' away.

- Runs on 110/220 volt AC or 12 volt DC.
- Accepts SVGA direct from your computer and requires no scan converter. Also accepts NTSC or PAL signals, making it ideal for teleconferencing.
- Sliding tripod mount system allows easy set-up and balancing.
- Mirror size: 15.5" x 1.75". Weighs 18 lbs.

LC-1606,895.00

LC-150

Lowest Priced LCD Teleprompter

The LC-150 features an off-the-shelf, high-end industrial-grade color LCD panel. The panel can run at extremely crisp and clear SVGA resolution. This unit features a 15" LCD color panel and weighs only 18 lbs. It requires no counterweight.

- Runs on 110/220 volt AC or can be powered by a 12-volt power source using the optional AC/DC-1 power inverter.
- Accepts SVGA direct from your computer, doesn't require a scan converter.
- May require VGA-MI reverse image amp/splitter
- Sliding tripod mount system allows easy set-up and balancing.
- Mirror size: 15.5" x 12.75". Weighs 18 lbs.

LC-1504,495.00



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MIRROR IMAGE

FP-SERIES

TELEPROMPTERS

574

Field Prompters

The FP Series or field prompter feature a fold-down capable mirror and housing for easy shipping, use our top quality beam splitter mirror. The FP Series is a economical alternative to higher priced LCD systems. Feature extremely sharp SVGA monochrome monitors. Sliding tripod mount system allows easy set-up and balancing. These units bolt on any standard medium duty tripod and accept any size camera. Removable cloth side-panels for indoor or outdoor use.



FP-90

Affordable Field Prompter

This system features a 9" (8.7" Viewable) SVGA monitor that can hook directly to your laptop computer. Weighs just 11 lbs. without counterweight (20 lbs. with counterweight). Depending on camera used, counterweight may not be required.

- Runs on 110/220 volt AC or can be powered by 12 volt source using the AC/DC-1 power inverter.
- Fold-down mirror assembly for easy shipping (12.75" x 10").

FP-901,995.00

FP-140

The Perfect Size

In the field, you can hook this 14" (13" Viewable)SVGA teleprompter up directly to your laptop computer and give your on-camera talent large, crisp text to read. Weighs 40 lbs. with counterweight Sliding tripod mount system allows for easy set-up and balancing.

- Runs on 110/220 volt AC or can be powered by 12 volt source using the AC/DC-1 power inverter.
- Fold-down mirror assembly for easy shipping (15.5" x 12.75").

FP-1401,995.00

SP-150/SP-160

SVGA/Composite Video Speech Prompters

Give your speaker the ultimate advantage at the podium. Improve the quality of presentations with a true professional look. Speech prompters are the fastest growing trend in business today. One unit is placed to the left, and one unit to the right of the podium allowing the speaker to keep his head up, looking straight at the audience. The transparent mirror does not obstruct the view of the audience, yet reflects the text the speaker needs. Speech prompters are "driven" by computer, just like teleprompters. An SVGA speech prompter, the SP-150 is the sharpest on the market. Resolution is almost double that of any other system. It uses two 15" (14.5" Viewable)color SVGA monitors and provides the speaker with extremely sharp and clean text. The SP-160 is identical except it uses 15" composite monochrome video monitors. Both include two high-end beam splitter mirrors, two adjustable mirror poles and two black monitor housings. Both are easy to set up and cable.



SP-150 SVGA Speech Prompter2,595.00

SP-160 Composite Video Speech Prompter2,595.00

Mirror Image System Accessories

- VGA-25** 25-foot, high density VGA cable.100.00
- VGA-50** 50-foot, high density VGA cable.140.00
- VGA-100** 100-foot, high density VGA cable. 250.00
- VGA-MI** This unit is a 1-in, 4- out VGA amplifier/splitter with the ability to reverse text right to left on a VGA screen. Used with the LC-150900.00

- VGA-PC/MAC** This unit will convert the VGA output of your PC or Mac computer to a composite NTSC signal.395.00
- VGA-2** This external box accepts the VGA signal from your PC or Mac and amplifies and splits it into 2 outputs.260.00
- VGA-4** 1-input to 4-output VGA amplifier/splitter.520.00
- AC/DC-1** Power inverter. Converts 12V DC to 110V AC. ..100.00



MIRROR IMAGE

TP-SERIES

Field/Studio Prompters

The TP-Series feature a rigid aluminum hood with partial side shields to deflect ambient light. Ideal for studio or on-location shoots. The beam splitter mirror can be easily removed when transporting or shipping. An industry standard, these prompters are in use by hundreds of universities, production companies and TV stations around the world. They feature an extremely sharp SVGA monochrome monitor. Connect directly to your computer or hook up several TP-series prompters using a VGA amp/splitter. Runs on 110/220 volt AC or can be powered by 12 volt source using the optional AC/DC-1 power inverter. Sliding tripod mount system allows easy set-up and balancing.



TELEPROMPTERS

TP-90

- 9" (8.7" viewable) SVGA monochrome monitor.
- Easily removable mirror for shipping (12.75" x 10")
- Readable from 15' away.
- Balances extremely well on most medium duty tripods
- Weighs just 20 lbs. including counterweight.

TP-901,995.00

TP-140

- 14" (13" viewable) SVGA monochrome monitor.
- Easily removable mirror for shipping (15.5" x 12.75").
- Text can be clearly read from up to 25' away.
- Weighs just 40 lbs. including counterweight.

TP-140.....1,995.00

TP-120 *The Industry Standard*

Same as the TP-140 it uses a 12" composite monochrome monitor. 110v only. May match current studio teleprompters. Ideal for multi camera studio needs. Easy set-up and cabling using BNC connectors and video loop through.

TP-1201,995.00

575

Teleprompting Software

INTELLIPROMPTER *Windows 95/98/NT Prompting Software*

Silky-smooth scrolling with the font size you need! Select multiple font colors, bolds, underlines and italic. Full-featured text editor. Features user definable bookmarks. Compatible with your favorite word processor. Requires a Pentium 166 or better PC computer.

IntelliPrompter Software (Win95/98/NT)350.00

EZPROMPT *(Windows Prompting Software)*

This new version of EZPrompt includes a smooth scroll, variable fonts, colors, bolds, underlines and italics, plus plenty of power for multiple script stacking. Great for studio production and news. Bookmarks for ease of operations. Speeds controlled with any new wheeled mouse (like Intellimouse).

EZPrompt Software (Win95/98/NT)899.00

AUTOPROMPTER *(DOS Software)*

Easy to use yet powerful DOS teleprompter program scrolls extremely smooth. Features include: integrated word processor; reads standard text files; 16&20 character display; variable speed scrolling via mouse or keyboard.

Autoprompter Software (DOS)299.00

QUICKPROMPT *(Macintosh Prompting Software)*

The world's best selling prompter for Macintosh. QuickPrompt can prompt scripts in any font, any size. Features include: white on black or black on white display. The "quick marks" feature allows easy access to specific text passages. Speed control with any mouse or keyboard. Word scripting compatibility for prompting in any language.

QuickPrompt (Mac)995.00



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