Specifications

			PX750U2	PX700W2	PX800X2
DLP chip			0.67 inch DLP (Aspecct Ratio 16:10)	0.65 inch DLP (Aspecct Ratio 16:10)	0.7 inch DLP (Aspecct Ratio 4:3)
Optical Device			Colour separation by the Colour wheel		
Resolution*1			1920 x 1200 pixels	1280 x 800 pixels	1024 x 768 pixels
Lens			See the chart of "Lens Specifications" shown on the bottom		
Lens Shift	NP17ZL,NP18ZL,NP19ZL,NP20ZL,NP21ZL		Vertical : 0 - 0.5V max, Horizontal : ± 0.1 H max		
	NP31ZL		Vertical: ±0.1H,Horizontal:PX800X2 +0.43V~0V P750U2/PX700W2+0.5V~		
Lamp (Eco Mode On / Eco Mode Off)			320 W / 400 W AC		
Lamp Life*3 (Eco Mode On / Eco Mode Off)			2500 H / 2000 H		
Image Size (Projection Distance)			See the " Throw Distance and Screen Size" shown on the bottom		
Colour Reproduction			10-bit signal processing (1.07 billion colours) (Viewer, Network : 16.7 million colours)		
Light Output*4*5 (with NP16FL)		Eco Mode Off	7500 ANSI lm	7000 ANSI lm	8000 ANSI lm
		Eco Mode On	Approx. 80% of Eco Mode Off		
Contrast Ratio (White / Black)*5			1000 : 1/2100 : 1 with Dynamic Contrast		
Maximum Resolution			1920 x 1200	1920 x 1200 with advanced AccuBrend	
Scan Rate		Horizontal	15kHz to 108kHz (RGB : 24kHz or over) conforms to the VESA standard		
		Vertical	48Hz to 120Hz (HDMI : 50Hz to 85Hz) conforms to the VESA standard		
Keystone Correction		Horizontal	Manual Approx. ±Max 35 degrees	Manual Approx.±Max 40 degrees	
		Vertica	Manual Approx.±Max 30 degrees		
Input Terminals	Computer / Component		2 × Mini D-Sub 15 pin (Computer 1&2 IN), 1 × 5 BNC (Computer 3 IN)		
	HDMI		1 × HDMI Type A HDCP Supported		
	DisplayPort		1 × DisplayPort HDCP Supported		
	S-Video		1 × Mini DIN-4pin		
	Video		1 × BNC		
	Oprtion Slot		Slot for Option Unit		
Output Terminals			1 × Mini D-Sub 15 pin (Only Computer 1 input can be output)		
USB Port			1 ×TypeA (for Mouse, Keyword, USB memory)		
Wireless LAN (USB Port)			1 ×TypeA		
Wired LAN Port			1 × RJ45 (10BASE-T / 100BASE-TX)		
Control Terminals	PC Control		1 × D-Sub 9 pin		
	Wired Remote		1 × Stereo Mini Jack		
Quietness (Eco Mode On / Eco Mode Off)			39dB / 43dB		
Environment	Operational Temperatures		0°C to 40°C 20% to 80% Humidity (Non-Condensing)		
	Storage Temperatures		-10°C to 50°C, 20% to 80% Humidity (Non-Condensing)		
Power Requirement			100 to 240VAC, 50Hz/60Hz (PX750U2 / PX700W2 / PX800X2 : 200 to 240VAC, 50Hz / 60Hz)		
Input Current (100 to 120V / 200 to 240V AC)			10.8A - 4.3A / 5.2A		
Power Consumption (100 to 130V AC / 200 to 240V AC)	Normal	Dual	1006 W / 958 W	969 W / 931 W	963 W / 927 W
		Single	530 W / 515 W	506 W / 494 W	500 W / 489 W
	Eco	Dual	810 W / 777 W	778 W / 753 W	777 W / 752 W
		Single	439 W / 429 W	413 W / 405 W	412 W / 404 W
	Stand-by Normal mode		33 W / 34 W	27 W / 27 W	28 W / 28 W
	Network Standby		23 W / 23 W	17 W / 18 W	19 W / 18 W
	Power-saving		0.2 W / 0.4 W		
Calorific Value			3433 BTU (Max)	3306 BTU (Max)	3286 BTU (Max)
Dimensions (W x H x D)			504 mm x 192 mm x 516 mm (Not Including Protrusions)		
Weight (Not including Lens)			19.7 kg		
Gross Dimensions (W x H x D)			646 mm x 419 mm x 720 mm		
Gross Weight			28.6 kg		
Accessories			Remote control, Batteries(AA x 2), Power code, CD-ROM(User's manual/Utility software), Dust cap for lens, Quick setup guide, Important information		
Regulations	For United States		UL Approved (UL 60950-1), meets FCC Class B requirments		
	For Canada		C-UL Approved (CSA 60950-1), meets DOC Canada Class B requirements		
	For Europe		Meets EMC Direcitve (EN55022, EN55024, EN61000-3-2, EN61000-3-3), meets Low Voltage Directive (EN60950-1, TUV GS Approved)		
	For Asia/Oceania		IEC60950-1, meets AS/NZS CISPR.22 Class B		
	For Korea		KC (Safety: K60950-1, EMC: K00022, K00024		
	For China		GB4943, GB9254, GB17625.1		
	For Russia		Gost R 60950-1, 51318.22, 51317.3.2 /3.3.		
	For Saudi Arabia		SASO IEC60950-1		

Options

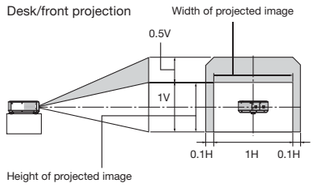
1.5G HD/SD-SDI board **SB-01HC**
3GHD/SD-SDI **SB-04HC**

SBC **N8000-8866 / N8000-8865**
N8000-8830 / N8000-8822

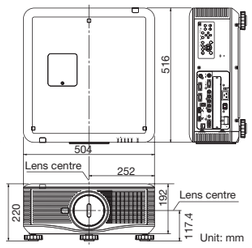
- Replacement lamp **NP22LP**
- Replacement filter **NP02FT**
- **Wireless LAN unit**

Model name of the optional wireless LAN unit varies depending on the country where the unit is used (or to be used).
NP02LM1 : United States, Canada, Mexico, Taiwan, Brazil, Colombia
NP02LM2 : Europe, United Arab Emirates, Saudi Arabia, Oman, South Africa, Turkey, Ukraine, Egypt, Israel, Australia, New Zealand, Japan, Thailand, China, Hong Kong, Singapore, South Korea, Sri Lanka, Pakistan, Vietnam, India, Indonesia, Philippines, Peru, Chile, Argentina, Ecuador
NP02LM3 : Russia

Lens shift range



Cabinet dimensions



*1 : Effective pixels are more than 99.99%.
*2 : The Lens Shift function in not available for the NP16FL.
*3 : Lamp life is defined as the average time span for the brightness of the lamp to be reduced by half, it dose not refer to the warranty period for the lamp.
*4 : This is the light output value (ANSI lumens) when the [PRESET] mode is set to [HIGH-BRIGHT]. If any other mode is selected as the [PRESET] mode, the light output value may drop slightly.
*5 : Compliance with ISO21118-2005
HDCP is an acronym for High-bandwidth Digital Content Portection.High banwidth Digital Content protection (HDCP) is a system for illegarl copyng of videio data sent over a Digital Visual Interface (DVI). If you are unable to view material via the HDMI and DisplayPort input, this does not necessarily mean the projector is not functioning properly.With the implemtentation of HDCP, there may be cases in which certain content is protected with HDCP and might not be displayed due to the decision/intention of the HDCP community (Digital Content Protection, LLC)
All specifications are subject to change without notice.
All specifications are subject to change without notice.

Lens specifications

		NP06FL	NP07ZL	NP08ZL	NP09ZL	NP10ZL	NP16FL	NP31ZL	NP17ZL	NP18ZL	NP19ZL	NP20ZL	NP21ZL
Option Lens													
Lens Type		Fixed Short Throw Lens	Zoom Lens				Fixed Short Throw Lens	Zoom Lens					
Zoom/Focus		Powered focus	Powered zoom and focus				Powered focus	Powered zoom and focus					
Zoom Ratio		-	1.34	1.32	2.00	1.87	-	1.25	1.41	1.31	1.65	1.5	1.55
Throw Ratio	PX750U2		-				0.76 : 1	0.75-0.93 : 1	1.25-1.79 : 1	1.73-2.27 : 1	2.22-3.67 : 1	3.58-5.38 : 1	5.31-8.26 : 1
	PX700W2	0.77:1	1.33-1.79:1	1.78-2.35:1	2.22-4.43:1	4.43-8.3:1	-	0.79-0.98 : 1	-				
	PX800X2							0.77-0.97 : 1					
F		2.0	1.8-2.3	1.7-1.9	2.1-2.9	2.2-3.1	1.85	1.96-2.30	1.85-2.50	1.64-1.86	1.86-2.48	1.85-2.40	1.85-2.48
f (mm)		11.4	19.3-25.8	26.0-34.0	32.0-63.0	63.5-117.4	11.6	11.3-14.1	18.7-26.5	25.7-33.7	32.91-54.23	52.8-79.1	78.5-121.9
Screen Size		50-200 inches	40-500 inches				50-300 inches	40-500 inches	50-300 inches				
Light Output	PX750U2		-				7100 ANSI lm	6200 ANSI lm	6800 ANSI lm	7500 ANSI lm	6900 ANSI lm	6600 ANSI lm	
	PX700W2	5800 ANSI lm	6400 ANSI lm	7000 ANSI lm	6400 ANSI lm	5000 ANSI lm	-	5800 ANSI lm	-				
	PX800X2	6700 ANSI lm	7300 ANSI lm	8000 ANSI lm	7300 ANSI lm	5700 ANSI lm	-	6700 ANSI lm	-				
Lens Shift*1	Vertical	0	+0.5V				0	+0.5V *2	+0.5V				
	Horizontal	0	±0.1H				0	±0.1H	±0.1H				
Weight		1.0 kg	1.1 kg	0.8 kg	1.1 kg	0.9 kg	0.9 kg	1.3 kg	1.1 kg	0.8 kg	1.0 kg	1.0 kg	1.4 kg

*1 :Combinaiton of 0.5V and -0.1H is not available (PX750U2, PX700W2). Combination of 0.43V-0.1H is not available (PX800X2). *2 :The value is at PX750U2/PX700W2. 0.43V at PX800X2.

Throw Distance and Screen Size

PX750U2 (Aspect ratio 16:10)

Screen size (W x H)	Lens model name						
	NP16FL	NP31ZL	NP17ZL	NP18ZL	NP19ZL	NP20ZL	NP21ZL
50" (1.08 x 0.64)	0.8	0.8-1.0	1.3-1.9	1.8-2.4	2.4-4.0	3.8-5.8	5.6-8.9
60" (1.29 x 0.81)	1.0	1.0-1.2	1.6-2.3	2.2-2.9	2.8-4.8	4.6-7.0	6.8-10.7
80" (1.72 x 1.08)	1.3	1.3-1.6	2.2-3.1	3.0-3.9	3.8-6.4	6.2-9.3	9.1-14.4
100" (2.15 x 1.35)	1.7	1.6-2.0	2.7-3.9	3.7-4.9	4.8-8.0	7.7-11.7	11.5-18.1
120" (2.59 x 1.62)	2.0	2.0-2.5	3.3-4.7	4.5-5.9	5.8-9.6	9.3-14.1	13.8-21.7
150" (3.23 x 2.02)	2.5	2.5-3.1	4.1-5.8	5.6-7.4	7.2-12.0	11.7-17.6	17.4-27.3
200" (4.31 x 2.69)	3.4	3.3-4.1	5.5-7.8	7.5-9.9	9.7-16.1	15.6-23.5	23.3-36.4
240" (5.17 x 3.23)	4.1	4.0-5.0	6.6-9.4	9.1-11.9	11.6-19.3	18.8-28.3	28.0-43.8
300" (6.46 x 4.04)	5.1	5.0-6.2	8.2-11.7	11.3-14.9	14.5-24.1	23.5-35.4	35.0-54.8

PX700W2 (Aspect ratio 16:10)

Screen size (W x H)	Lens model name					
	NP06FL	NP31ZL	NP07ZL	NP08ZL	NP09ZL	NP10ZL
40" (0.86 x 0.54)	-	0.7-0.8	1.1-1.6	1.5-2.0	1.9-3.9	3.8-7.3
50" (1.08 x 0.64)	0.8	0.8-1.1	1.4-2.0	1.9-2.6	2.4-4.9	4.8-9.1
60" (1.29 x 0.81)	1.0	1.0-1.3	1.7-2.4	2.3-3.1	2.9-5.9	5.8-11.0
80" (1.72 x 1.08)	1.4	1.4-1.7	2.3-3.2	3.1-4.1	3.9-7.9	7.8-14.7
100" (2.15 x 1.35)	1.7	1.7-2.1	2.9-4.0	3.9-5.2	4.9-9.9	9.7-18.4
120" (2.59 x 1.62)	2.1	2.1-2.6	3.5-4.8	4.7-6.2	5.9-11.9	11.7-22.1
150" (3.23 x 2.02)	2.6	2.6-3.2	4.4-5.9	5.9-7.8	7.4-14.9	14.7-27.7
200" (4.31 x 2.69)	3.5	3.5-4.3	5.9-7.9	7.9-10.4	9.9-19.9	19.6-36.9
240" (5.17 x 3.23)	-	4.2-5.2	7.1-9.5	9.5-12.5	11.9-23.9	23.5-44.3
300" (6.46 x 4.04)	-	5.2-6.5	8.9-11.9	11.9-15.7	14.9-29.9	29.5-55.5
350" (7.54 x 4.71)	-	-	10.4-13.9	13.8-18.3	17.5-34.9	34.4-64.7
400" (8.62 x 5.39)	-	7.0-8.7	11.8-15.9	15.8-20.9	20.0-39.9	39.3-74.0
450" (9.69 x 6.06)	-	7.8-9.8	13.3-17.9	17.8-23.5	22.5-44.9	44.3-83.3
500" (10.77 x 6.73)	-	8.7-10.9	14.8-19.9	19.8-26.2	25.0-49.9	49.2-92.5

PX800X2 (Aspect ratio 4:3)

Screen size (W x H)	Lens model name					
	NP06FL	NP31ZL	NP07ZL	NP08ZL	NP09ZL	NP10ZL
40" (0.81 x 0.61)	-	0.6-0.8	1.1-1.4	1.4-1.9	1.8-3.6	3.5-6.8
50" (1.02 x 0.76)	0.8	0.8-1.0	1.3-1.8	1.8-2.4	2.2-4.6	4.5-8.5
60" (1.22 x 0.91)	0.9	0.9-1.2	1.6-2.2	2.2-2.9	2.7-5.5	5.4-10.2
80" (1.63 x 1.22)	1.3	1.3-1.6	2.2-2.9	2.9-3.8	3.6-7.3	7.2-13.7
100" (2.03 x 1.52)	1.6	1.6-2.0	2.7-3.7	3.6-4.8	4.6-9.2	9.0-17.2
120" (2.44 x 1.83)	1.9	1.9-2.4	3.3-4.4	4.4-5.8	5.5-11.1	10.9-20.6
150" (3.05 x 2.29)	2.4	2.4-3.0	4.1-5.5	5.5-7.3	6.9-13.9	13.6-25.8
200" (4.06 x 3.05)	3.2	3.2-4.0	5.5-7.4	7.3-9.7	9.2-18.5	18.2-34.5
240" (4.88 x 3.66)	-	3.9-4.9	6.6-8.9	8.8-11.7	11.1-22.2	21.9-41.4
300" (6.10 x 4.57)	-	4.8-6.1	8.3-11.1	11.1-14.6	13.9-27.8	27.4-51.8
350" (7.11 x 5.33)	-	-	9.6-13.0	12.9-17.0	16.2-32.5	32.0-60.4
400" (8.13 x 6.10)	-	6.5-8.1	11.0-14.8	14.8-19.5	18.6-37.1	36.6-69.1
450" (9.14 x 6.86)	-	7.3-9.1	12.4-16.7	16.6-21.9	20.9-41.8	41.2-77.7
500" (10.16 x 7.62)	-	8.1-10.2	13.8-18.6	18.5-24.4	23.2-46.4	45.8-86.4

⚠ · The projector can be unplugged during its cool down period after it is turned off. Parts of the projector will become heated during operation. Use caution when picking up the projector immediately after it has been operating.
· Use caution when putting the projector in the soft case immediately after the projector has been operating. The projector cabinet is hot.

Cat.No. WDPJ-1407-527S

Empowered by Innovation NEC

Installation Projector

PX750U2/PX700W2/PX800X2

High brightness of 7,000 to 8,000 lumens suitable for large venues and screen sizes and producing outstanding image quality.

\Orchestrating a brighter world

As well as high brightness and image quality, this installation model is designed for easy installation with the use of a centre lens.

Achieves High Brightness and High Image Quality

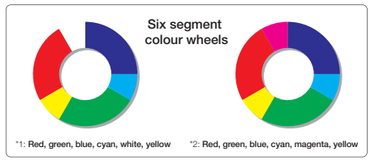
Projection of large images with a high brightness of 8000 lm (with PX800X2)

Achieves high brightness of 8000 lm through the use of a two-light lamp system. Capable of projecting clear images even onto large screens. Supports high brightness projection equivalent to a maximum of 32000 lm*1 via a stack installation and using a dedicated software*2.

*1: When using four projectors of PX800X2. This will vary depending on factors like the installation environment.
*2: The software will be downloadable. at http://www.nec-display.com/dl/en/pj_soft/eula/index_sct.html

Two types of six segment colour wheels that can be chosen to suit the purpose

Exchangeable colour wheels that suit the type and colour shade of the projected image. The 6 segment white*1 wheel is suitable when the emphasis is on brightness, while the 6 segment colour*2 wheel is suitable when focusing on the colour shade.



*1: Red, green, blue, cyan, white, yellow
*2: Red, green, blue, cyan, magenta, yellow

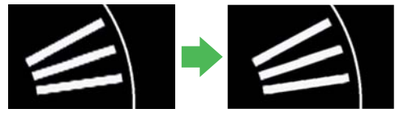
Wide range of input/output terminals such as HDMI and DisplayPort

Cinema quality video using Hollywood Quality Video processing

HD-like vivid and crisp DVD images can be projected through Hollywood Quality Video which excels at following points and enrich your cinematic experience.

- Random and Mosquito Noise Reduction
- Video and Film Cadence Detection (3:2 and 2:2 pull down)
- Per-pixel Motion Adaptive De-interlacing
- Detail Enhancement
- Full 10-bit Processing, Scaling and Warping

3 : 2 Pull down Detection



Diagonal Interpolation to remove “jaggies”

WUXGA (1920×1200) panel compatible with full HD displays*

Utilises a high resolution WUXGA panel that enables the reproduction of even high-quality full HD content in its original beauty. *with PX750U2

Pursuing easy to install

Lens shift function

By using the electric lens shift function, you can adjust the position of the projected screen up and down, and from side to side even after installation.

Lens memory function

The adjusted values can be stored in projector memory when using the LENS SHIFT, ZOOM and FOCUS buttons of the projector. Adjusted values can be applied to the signal you selected. This will eliminate the need to adjust lens shift, focus, and zoom at the time of source selection.

*NP06FL does not support the Lens memory function.
*With NP07ZL/NP08ZL/NP09ZL/NP10ZL, only value of LENS SHIFT can be stored.
With NP16FL, value of LENS SIFT/LENS ZOOM can not stored.

Supports dual layers stacking

Stacking to two layers can be facilitated by using the supplied columns. In this case, 16000 lumens* of high brightness projection is available. *with PX800X2

360° installation angle (tilt-free) that enables vertical projection

Various type of lenses are available

This series supports 7 types* of optional lenses, providing a selection of lenses adapted for a variety of installation requirements. In addition, the lenses can be mounted and removed in one touch

*the lenses are option and for the detail and use condition, please see P4.
*6 types for PX700W2 and PX800X2.

Centre lens

This function makes it easy to align the projector to the screen.

Accommodates Diverse Projection Needs

Geometric correction*

This feature adjusts the image when projecting onto specially shaped screen as below to expand your installation options.

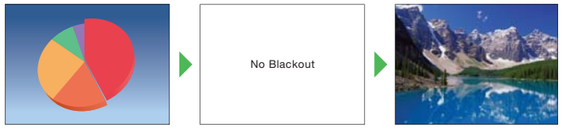
*The software is downloadable at http://www.nec-display.com/dl/en/pj_soft/eula/index_gct4.html

Lens shutter that lets you cut off the projected image when necessary

During projection, you can temporarily turn off the projected image by pressing the shutter button on the main unit or on the remote control. This is handy when you would like to interrupt the image while it is being projected.

Seamless switching

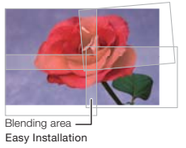
When the input is switched, the image displayed before switching is held so that you can see smooth image changing without black image.



*for PX750U2 only.

Multi screen function allowing for near seamless joins between screens

There are two methods to do this. One method involves no limit on the number of the projectors that can be used and that there is no limit to the display resolution. Manual edge blending is a standard function of the projector. *1 Another method, easy installation than the first method can also be used. It uses the detection of image distortion by use of a web camera and software, whereby the software will automatically perform the distortion correction.



*1 This method requires a high degree of installation precision and an appropriate graphics board that support edge blending is required.

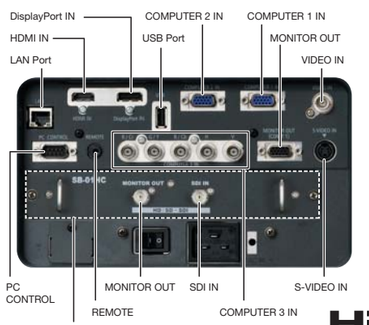
Equipped with an optional slot compatible with SDI units and Open Pluggable specifications

Image Express Utility 2.0/Image Express Utility 2 for Mac

PC Control Utility Pro 4 / Pro 5 (the attached software) is compatible with Windows 8/7/Vista/XP

- CRESTRON ROOMVIEW™
- Wired LANs and wireless LANs (optional)
- Capable of long-term continuous use via the lamp auto change function when using one light
- Dual lamp can support 24/7 operation

● Terminals



● Remote control

Example of installing NP18ZL

PX750U2	PX700W2	PX800X2
7500ANSI lumens	7000ANSI lumens	8000ANSI lumens
WUXGA / 19.7kg Not including lens	WXGA / 19.7kg Not including lens	XGA / 19.7kg Not including lens