Specifications

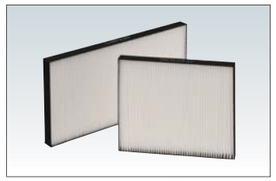
		PX750U
DLP chip		0.67 inch DLP (Aspect Ratio 16:10)
Optical Device		Colour separation by the Colour wheel
Resolution*1		1920 x 1200 pixels
Lens		See the chart of Lens specifications shown on the right
Lens Shift*2 (NP17ZL, NP18ZL, NP19ZL, NP20ZL, NP21ZL)		Vertical : Max+0.5 V, Horizontal : Max±0.1 H
Lamp (Eco Mode On / Eco Mode Off)		320 W / 400W AC
Lamp Life*3 (Eco Mode On / Eco Mode Off)		2500 H / 2000 H
Image Size (Projection Distance)	NP16FL	50 to 300 inches (0.8 m to 5.1 m)
	NP17ZL	50 to 300 inches (1.3 m to 11.7 m)
	NP18ZL	50 to 300 inches (1.8 m to 14.9 m)
	NP19ZL	50 to 300 inches (2.4 m to 24.1 m)
	NP20ZL	50 to 300 inches (3.8 m to 35.4 m)
	NP21ZL	50 to 300 inches (5.6 m to 54.8 m)
Colour Reproduction		10-bit signal processing (1.07 billion colours) (VIEWER, NETWORK: 16.7 million colours)
Light Output*4*5 (with NP18ZL)	Eco Mode Off	7500 ANSI lumens
	Eco Mode On	Approx. 80% of Eco Mode Off
Contrast Ratio (White / Black)*5		1000 : 1/2100 : 1 with DYNAMIC CONTRAST ON
Maximum Resolution		WUXGA (1920 x 1200)
Scan Rate	Horizontal	15 kHz to 108 kHz (RGB: 24 kHz or over) conforms to the VESA standard
	Vertical	48 Hz to 120 Hz (HDMI: 50 Hz to 85 Hz) conforms to the VESA standard
Keystone Correction	Horizontal	Manual Approx. ±Max 35 degrees
	Vertical	Manual Approx. ±Max 30 degrees
Input Terminals	Computer	2 × D-Sub Mini 15-pin (Computer 1&2 IN), 1 × 5 BNC (Computer 3 IN)
	Component (Shared with Computer IN)	2 × D-Sub Mini 15-pin, 1 × 5 BNC
	HDMI	1 × HDMI Type A
	DisplayPort	1 × DisplayPort
	S-Video	1 × Mini DIN 4-pin
	Video	1 × BNC
Output Terminals		1 × D-sub Mini 15-pin (only Computer 1 input can be output)
USB Port		1 × Type A (for mouse, keyboard, USB memory)
Wireless LAN (USB Port)		1 ×Type A
Wired LAN Port		1 × RJ-45 (10BASE-T / 100BASE-TX)
Remote		1 × Stereo Mini Jack
Control Terminal		1 × D-sub 9-pin
Quietness (Eco Mode On / Eco Mode Off)		39 dB / 43 dB
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 240 V AC, 50 Hz/60 Hz (PX750UG: 200 to 240 V AC, 50 Hz/60 Hz)
Input Current (100 to 120 V / 200 to 240 V AC)		10.8 A / 4.3 A (PX750UG: 5.2 A)
Power Consumption (100 to 120 V AC / 200 to 240 V AC)	Eco Mode Off Dual (Single)	1006 W / 958 W (530 W / 515 W)
	Eco Mode On Dual (Single)	810 W / 777 W (439 W / 429 W)
	Standby Mode: Normal	33 W / 34 W
	Standby Mode: Network Standby	23 W / 23 W
	Standby Mode: Power-saving	0.2 W / 0.4 W
Calorific Value		3433 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 cord, 6-segment colour wheel, Stacking holders (x3), Power cord stopper, Lens theft prevention screw, Anti-theft cap for LAN unit (for optional wireless LAN unit), 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 requirements
	For Canada	C-UL Approved (CSA 60950-1), meets DOC Canada Class B requirements
	For Europe	Meets EMC Directive (EN55022 Class B, EN55024, EN61000-3-2, EN61000-3-3), meets Low Voltage Directive (EN60950-1, TÜV GS approved)
	For Asia/Oceania	IEC60950-1, meets AS/NZS CISPR.22 Class B
	For Korea	KC (safety: K60950-1, EMC: K00022, K00024, K61000-3-2)
	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

*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 does 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

All specifications are subject to change without notice.

Options

Replacement lamp **NP22LP**



Replacement filter **NP02FT**

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

SBC **N8000-8830 / N8000-8822**

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, Malaysia, Sri Lanka, Pakistan, Vietnam, India, Indonesia, Philippines, Peru, Chile, Argentina, Ecuador
NP02LM3 : Russia

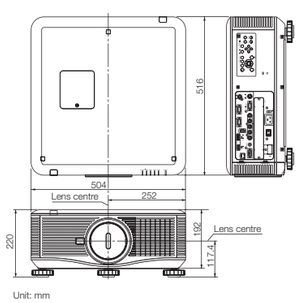
Remote control

(included accessory)

Lens specifications

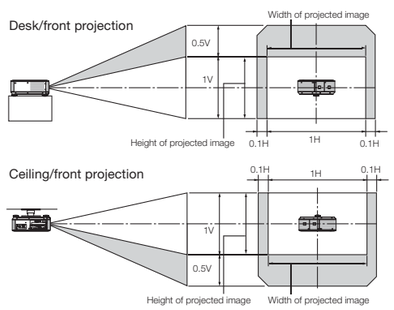
		NP16FL	NP17ZL	NP18ZL	NP19ZL	NP20ZL	NP21ZL
Option Lens							
Lens Type		Fixed Short Throw Lens	Zoom Lens	Zoom Lens	Zoom Lens	Zoom Lens	Zoom Lens
Zoom/Focus		Powered focus	Powered zoom and focus				
Zoom Ratio		-	1.41	1.31	1.65	1.5	1.55
Throw Ratio		0.76 : 1	1.25-1.79 : 1	1.73-2.27 : 1	2.22-3.67 : 1	3.6-5.4 : 1	5.3-8.3 : 1
F		1.85	1.85-2.50	1.64-1.86	1.86-2.48	1.85-2.41	1.85-2.48
f (mm)		11.6	18.7-26.5	25.7-33.7	32.91-54.23	52.8-79.1	78.5-121.9
Screen Size		50-300 inches	50-300 inches	50-300 inches	50-300 inches	50-300 inches	50-300 inches
Light Output		7100 ANSI lm	6800 ANSI lm	7500 ANSI lm	6900 ANSI lm	6600 ANSI lm	6600 ANSI lm
Lens Shift	Vertical	0	+0.5V	+0.5V	+0.5V	+0.5V	+0.5V
	Horizontal	0	±0.1H	±0.1H	±0.1H	±0.1H	±0.1H
Weight		0.9 kg	1.1 kg	0.8 kg	1.0 kg	1.0 kg	1.4 kg

Cabinet dimensions



Unit: mm

Lens shift range



Throw Distance and Screen Size (Aspect ratio 16:10)

Unit: m

Screen size (inches)	Lens model name					
	NP16FL	NP17ZL	NP18ZL	NP19ZL	NP20ZL	NP21ZL
50" (1.08 x 0.64)	0.8	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	1.6-2.3	2.2-2.9	2.8-4.8	4.6-7.0	6.8-10.7
80" (1.72 x 1.08)	1.3	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	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	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	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	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	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	8.2-11.7	11.3-14.9	14.5-24.1	23.5-35.4	35.0-54.8

· 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.

Empowered by Innovation NEC

Installation Projector

PX750U

A powerful 7500 lumens* with WUXGA resolution, providing outstanding image quality in large venues.

*when NP18ZL employed

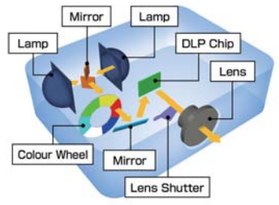
http://www.nec-display.com/ap/

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 7500 lm

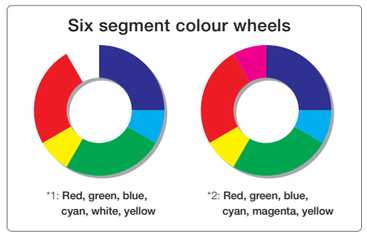
Achieves high brightness of 7500 lm through the use of a two-light lamp system. Capable of projecting clear images even onto large screens. Supports high brightness projection equivalent to a maximum of 30000 lm* via a stack installation, and 24-hour operation through the use of the dual lamp mode.



* When using four projectors.
This will vary depending on factors like the installation environment.

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.



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.

Cinematic video powered by HQV (Hollywood Quality Video)

HD-like, vivid and crisp DVD images can be projected with the Reon VX video processor using IDT HQV technology from Integrated Device Technology, Inc. HQV represents an enormous leap in video processing, with true flagship performance in noise reduction, de-interlacing and scaling.

- 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”

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

Equipped with a wide range of input/output terminals and compatible with a variety of image sources such as DisplayPort, which lets you connect the projector about 15 meters away with minimal signal decay, as well as computer (analogue), 5-core BNC, HDMI and S-video.

- **Achieves colour reproducibility by 10-bit colour processing (for roughly 1.07 billion colours)**

Pursuing easy to install

Lens shift function allows you to adjust the screen position even after installation

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.

Centre lens design for easy installation

Six types of lenses available to suit the projection distance

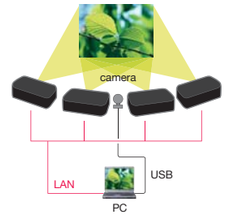
Six types of lenses have been made available, from short focus types to long focus types. Since it accommodates screen sizes from 50 to 300 inches, you can choose lenses to suit the installation location, including large and medium sized conference rooms, auditoriums, and gymnasiums. In addition, exchanging the lenses can also be done in a hassle-free manner since they can be easily detached without the use of tools.

*The lenses are not included with this unit.

Accommodates Diverse Projection Needs

Capable of high brightness projection equivalent to a maximum of 30000 lm via a stack installation*1

Supports stack installations whereby you can project by lining up as many as four projectors up and down or side to side.*2 When projecting with multiple projectors, even in cases where people or objects obstruct the front of a projector or when problems occur with one of them, since the same screen is projected by the other projectors, there is no interruption in the image. Even adjustment operations for stack installation can be performed easily with the adjustment cameras and specialized software.



Superpose screens by using the projector's Geometric Correction Tool.

*1 When using four projectors. This will vary depending on factors like the installation environment.
*2 The “Stacking Correction Tool” utility software (scheduled to be provided to distributors around September 2011) is needed to carry out this function.

Multi screen function allowing for near seamless joins between screens*1*2

This lets you control the brightness of the joins sections where images are superposed over one another when you are projecting multiple screens with several projectors. These adjustments (blending) render the joins inconspicuous. Moreover, it also facilitates natural display of multiple screens by bringing the shades of the screens closer to one another.

*1 The image is when using four projectors. This will vary depending on factors like the installation environment.
*2 The dedicated software (scheduled to be provided to distributors between December 2011 and January 2012) is needed to carry out this function.

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.

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

Equipped with a slot in which OPS*1 compatible SBCs*2, expected to become the standard equipment of next generation digital signage, can be installed. Doing so allows you to use digital signage with a single power cable.

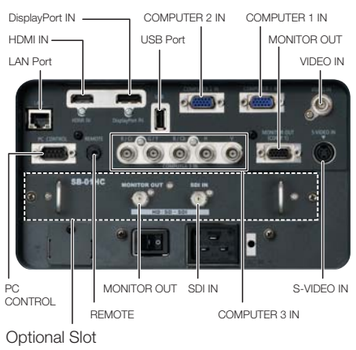
*1 Open Pluggable Specifications, which is a standard set by Intel Corporation.
*2 Single Board Controller

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

The projector can be connected to a computer using a network or a serial cable, allowing various features of the projector to be controlled from a computer.

- Compatible with Crestron RoomView®
- Compatible with wired LANs and wireless LANs (optional)
- Capable of long-term continuous use via the lamp auto change function when using one light

- **Terminals**



PX750U

Example of installing NP18ZL

7500 ANSI lumens	WUXGA	19.7 kg (Not including lens)