SHARP / NEC

PV Series

Professional Installation Projectors ideal for higher education, house of worship, corporate and museum applications

4K UHD READY

Powerful installation projectors equipped to take on the most demanding integration projects

Legacy Support

- Customers utilizing previous generation NEC PA Series projectors can use their existing lenses. Eliminates the costly expense of purchasing a new lens. The time consuming efforts and costs associated with reinstallation are eliminated. Supports the legacy manually adjustable lenses, NP11FL, NP12ZL, NP13ZL, NP14ZL and NP15ZL.

Integrated

- 4K Ready - Display stunning 4K 60P content using NEC's proprietary high performance video processing/scaling chip without the loss of critical details. HDR10 and BT.2020 signals from "Ultra HD Blu-ray" and "4K TV broadcasting" are supported on all digital inputs.
- Integrated software applications such as AMX Beacon, Crestron Roomview, Extron XTP and PJ Link
- allow for complete control system support
- Lower the cost of your installation by eliminating the need for costly reprogramming of a control system. (supports competitors commands, call NEC for complete list)

Flexible

- Enjoy greater installation flexibility with motorized optional bayonet style lenses providing quick and easy exchanges. Lens throw distances range from 2.5 to 68.5 ft
  - New NP44ML-01LK UST lens placing the projector above the screen and out of site (installation may place the projector above the ceiling line)
- Tilt-free installation capabilities make these projector ideal for almost any install environment, including portrait orientation
- Up to 60% vertical lens shift and +/- 30% horizontal lens shift capabilities make alignment easy
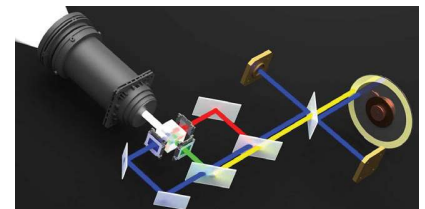

NaViSet Administrator 2

This software is an all-in-one remote support solution that runs from a central location and provides monitoring, asset management and control functionality for a majority of NEC display devices and Windows computers. It is ideal for multi-device installations over larger infrastructures.

Laser

- Images appear immediately after power on due to instantaneous start up of the laser
- Dual blue laser systems provide best in class white balance over the life of the projector
- Inorganic optical components create longer lifetime and greater peace of mind

GET CONNECTED WITH A WIDE SELECTION OF INPUTS

- **Multiple Digital computer inp   uts** ensure quick switching between presentations
- **Three audio inputs (one mini stereo [HDMI1™ & HDMI2™, and HDBaseT)** make it easy to add sound to enhance your presentations
- **21:9 Aspect Ratio** supported for engaging meeting spaces

Digital Inputs

Among the PV Series wide selection of inputs are dual HDMI w/ HDCP for connecting to high-definition sources such as Blu-ray players, cable boxes, satellite receivers and personal computers.

Input panel cover

This optional accessory creates a clean look for your installation, while hiding signal cables and the power cord.

Remote control

Wired and wireless backlit remote allows you to adjust for complete control of the projectors menu structure in a well lit or dark environment. Direct controls such as lamp mode, aspect ratio, volume and input selection eliminates multiple button pushes.
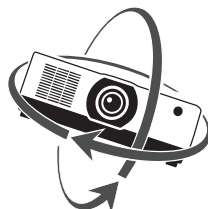
ADVANCED SOFTWARE FEATURES

10,000-hour filter life

NEC is committed to designing its products to provide long lifecycles. This virtually maintenance-free filter reduces the frequency at which cleaning is required, thereby decreasing total cost of ownership.

Roll-free

The projector can be rotated freely (360°) to orient the image depending on the installation requirements

ProAssist™

Projector management software for installation professionals provides network based projector control including input switching, picture, and geometric correction.

UNIQUE FEATURES

Variable audio-out enables the remote control to be used to adjust volume of self-powered external speakers that are connected to projector. In stand-by mode, the audio-out stays active, allowing last input used to pass to the self-powered external speakers.

Advanced AccuBlend™ ensures detailed images when non-native resolution sources are connected to the projector

64-step image magnification with location control

Built-in HTTP page for control and monitoring over a LAN network. Email notification of error messages or lamp end-of-life can be se to remote locations.
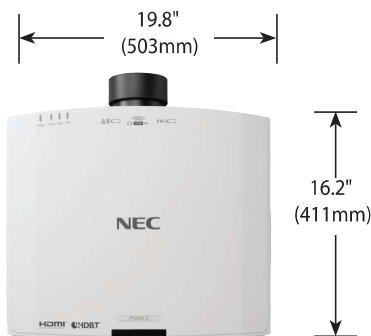
WARRANTY

3-years

IN THE BOX

Remote control, batteries, power cord, user's manual on CD-ROM, quick start guide, product registration card.

ACCESSORIES

RMT-PJ40	Replacement Remote Control
Optional Lenses	NP11FL, NP12ZL, NP13ZL, NP14ZL, NP15ZL, NP50ZL, NP40ZL, NP41ZL, NP43ZL, NP44ML-01LK
NP10CV	Terminal Cover
NP10CV-B	Terminal Cover
PA600CM	Ceiling mount
AEC006009	Adjustable Extension Column, 6" - 9"
AEC012018	Adjustable Extension Column, 12" - 18"
AEC0203	Adjustable Extension Column, 2' - 3'
AEC0305	Adjustable Extension Column, 3' - 5
NP01PW1	Power Cord
RGBCBL-PJPX	RGB Signal Cable

ORDERING MODEL NUMBERS

NP-PV710UL-B1-13ZL
NP-PV710UL-W1-13ZL
NP-PV800UL-B1
NP-PV800UL-W1

19.8"
(503mm)

16.2"
(411mm)

6.6"
(168mm)

		NP-PV710UL-13ZL	NP-PV800UL
Light Output (lumens)		7100	8,000
Resolution	Native	WUXGA	
	Maximum	4K 4096 x 2160	
Aspect Ratio		16:10 (Supports 4:3, 16:9, 21:9)	
Contrast Ratio (up to)		3,000,000:1 (with Dynamic Contrast)	
Laser Life (up to)		20,000 hours	
Screen Size (diagonal)		40 to 150 in. / 1.02 to 3.8m, NP11FL; 30 to 500 in. / 0.76 to 12.7m, NP12ZL; 40 to 500 in. / 1.02 to 12.7m, NP13ZL; 50 to 500 in. / 1.27 to 12.7m, NP50ZL, NP40ZL, NP41ZL, NP43ZL; 60 to 500 in. / 1.52 to 12.7m, NP14ZL, NP15ZL; 100 to 400 in. / 2.54 to 10.16m, NP44ML-01LK	
Throw Ratio	NP11FL	0.79:1	
	NP12ZL	1.16 - 1.52:1	
	NP13ZL	1.46 - 2.95:1	
	NP14ZL	2.90 - 4.64:1	
	NP15ZL	4.59 - 7.02:1	
	NP44ML-01LK	0.32:1	
	NP50ZL	0.6-0.76:1	
	NP40ZL	0.79 - 1.11:1	
	NP41ZL	1.30 - 3.02:1	
	NP43ZL	2.99 - 5.93:1	
Projection Distance		2.5 to 68.5 ft. / 0.74 to 20.9m	
Projection Angle		10.3 to 10.8° tele / 13.7 to 14.5° wide	
Lens	Zoom	Manual	Motorized
	NP11FL	-	
	NP12ZL	1.3x	
	NP13ZL	2.0x	
	NP14ZL	1.6x	
	NP15ZL	1.52x	
	NP44ML-01LK	1.0x	
	NP50ZL	1.25x	
	NP40ZL	1.4x	
	NP41ZL	2.3x	
	NP43ZL	2.0x	
	Focus	Manual	Motorized / Manual
	NP11FL	F=2.3, f= 13.2mm, 2.6lbs. / 1.2 kg	
	NP12ZL	Maual zoom / focus, F=2.2 to 2.69, f= 19.4 to 25.3mm, 2.6lbs. / 1.2 kg	
	NP13ZL	Maual zoom / focus, F= 1.7 to 2.37, f= 24.2 to 48.6mm, 1.6lbs. / 0.84 kg	
	NP14ZL	Maual zoom / focus, F= 2.2 to 2.64, f= 48.5 to 77.6mm, 2.2lbs. / 1.0 kg	
	NP15ZL	Maual zoom / focus, F= 2.2 to 2.7, f= 76.6 to 116.5mm, 2.2lbs. / 1.0 kg	
	NP44ML-01LK	Motorized zoom / focus, F=2.0, f= 6.27, 6.8 lbs. / 3.1 kg	
	NP50ZL	Motorized zoom / focus, F=1.9 to 2.1, f= 49.7 to 99.8mm, 5.5 lbs. / 2.5 kg	
	NP40ZL	Motorized zoom / focus, F=2.0 to 2.5, f= 13.3 to 18.6mm, 3.5lbs. / 1.6 kg	
	NP41ZL	Motorized zoom / focus, F=1.7 to 2.0, f= 21.8 to 49.8mm, 3.7 lbs. / 1.7 kg	
	NP43ZL	Motorized zoom / focus, F=2.2 to 2.6, f= 49.7 to 99.8mm, 3.7 lbs. / 1.7 kg	
	Shift	+50/-10% Vertical, +/-30% Horizontal	
	Shutter	Laser Shutter	
Keystone Correction		+/- 30° horizontal, +/- 30° vertical	
Synchronization Range	Horizontal	24-100kHz	
	Vertical	50-120Hz	
Supported Video Standards		NTSC, NTSC4.43, PAL, PAL-60, PAL-M, PAL-N, SECAM	
SD/HD Video Signal Compatibility		480i, 480p, 576i, 576p, 720p, 1080i, 1080p, 4K	
PC Signal Compatibility		VGA, SVGA, XGA, SXGA, SXGA+, UXGA, WUXGA, Quad HD	
Macintosh Compatibility		Yes	
Input Terminals	RGB1 (analog)	HDMI (V2.0) w/HDCP (V1.4/2.2)	
	RGB2 (digital)	HDMI (V2.0) w/HDCP (V1.4/2.2)	
	RGB3 (digital)	HDBaseT w/HDCP (V1.4/2.2)	
	Audio Out	Stereo Mini Jack	
External Control		RS-232, IR, Wired Remote, HDBaseT, DDC/CI, RJ-45, USB (USB 2.0)	
Sync Compatibility		Separate Sync / Composite Sync / Sync on G	
Power Requirements		100-240V AC, 50/60 Hz	
Input Current		5.3A - 2.2A	6.1A - 2.5A
Power Consumption			
(ECO off/ECO Mode/Standby/Standby-Power Saving		456W / 412W / 1.7W / 0.16W	490W / 445W / 1.7W / 0.16W
Installation Orientation		Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear	
Product Dimensions (WxDxH)		19.8 x 16.2 x 6.6 in. / 503 x 411 x 168 mm	
Net Weight		24.7 lbs. / 11.2 kg	
Shipping Dimensions (WxDxH)		23.3 x 19.3 x 10.2 in. / 591 x 491 x 259 mm	
Gross Weight		29.5 lbs. / 13.4 kg	
Fan Noise		40 dB normal / 31 dB eco	42 dB normal / 32 dB eco
Regulations	US	USA UL60950-1: 2nd edition, FCC Part15 Subpart B(ANSI C63.4.2014)	
	Canada	CAN/CSA C22.2 No.62368-1-18,3rd Edition, ICES-003 Issue 7(ANSI C63.4-2014)	
Operating	Temperature	32-113°F / 0-45°C	
	Humidity	20 to 85% Humidity (Non-Condensing)	
Storage	Temperature	14-122°F / -10 50°C	
	Humidity	20% - 80% (non-condensing)	
Ordering Model Number		NP-PV710UL-B1-13ZL, NP-PV710UL-W1-13ZL	NP-PV800UL-B1, NP-PV800UL-W1

* Lens does not ship with the projector.
Additional accessories are available, including screens, carts, mount accessories and cables.
Visit www.necdisplay.com for details.

Sharp NEC Display Solutions of America