

SHARP

PV Series

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



The background image shows a classroom setting. A male teacher is standing at the front, pointing at a large projection screen displaying complex chemical structures. Several students are seated at desks, some using laptops. In the foreground, two Sharp PV Series projectors are overlaid: a white one on the left and a black one on the right. Both projectors feature a large lens and a ventilation grille. The black projector has the 'SHARP' logo on its top surface.

4K UHD
READY

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

Legacy Support

- Customers utilizing previous generation 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 Sharp 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



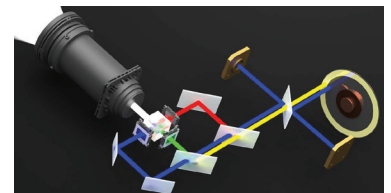
NaViSet Administrator 2

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 Sharp 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

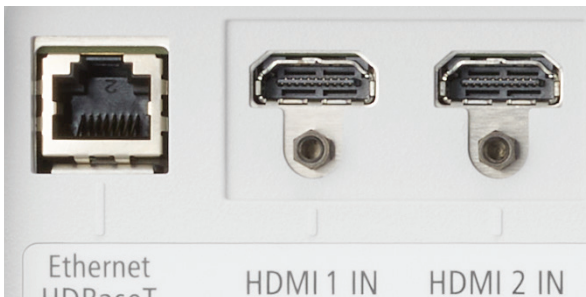


GET CONNECTED WITH A WIDE SELECTION OF INPUTS

- **Multiple Digital computer inputs** 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

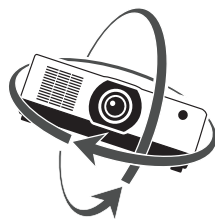
10,000-hour filter life

Sharp 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 the projector. In stand-by mode, the audio-out stays active, allowing the 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 sent to remote locations.

WARRANTY

Registered owners receive a 5-year parts and labor warranty including InstaCare next business day exchange.

IN THE BOX

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

ACCESSORIES

- RMT-PJ40

Optional Lenses

NP10CV

NP10CV-B

PA600CM

AEC006009

AEC012018

AEC0203

AEC0305

NP01PW1

RGBCBL-PJPX
- Replacement Remote Control

NP11FL, NP12ZL, NP13ZL, NP14ZL, NP15ZL, NP50ZL, NP40ZL, NP41ZL, NP43ZL, NP44ML-01LK

Terminal Cover

Terminal Cover

Ceiling mount

Adjustable Extension Column, 6" - 9"

Adjustable Extension Column, 12" - 18"

Adjustable Extension Column, 2' - 3'

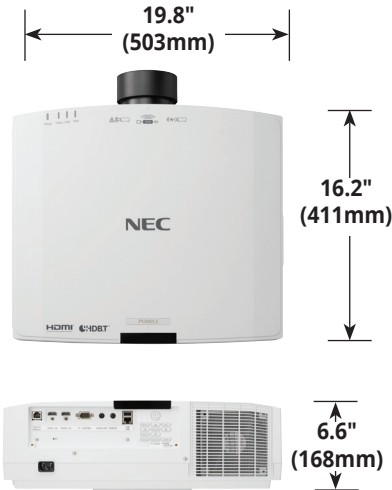
Adjustable Extension Column, 3' - 5'

Power Cord

RGB Signal Cable

ORDERING MODEL NUMBERS

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



Specifications

		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	NP13ZL	1.46 - 2.95:1		
	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
		NP13ZL	2.0x	
		NP44ML-01LK	1.0x	
		NP50ZL	1.25x	
		NP40ZL	1.4x	
		NP41ZL	2.3x	
		NP43ZL	2.0x	
	Focus		Manual	Motorized
		NP13ZL	Manual zoom / focus, F= 1.7 to 2.37, f= 24.2 to 48.6mm, 1.6lbs. / 0.84 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		
	Horizontal	24-100kHz		
	Vertical	50-85Hz		
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)		
	RGB2 (digital)	HDMI (V2.0) w/HDCP (V1.4)		
	RGB3 (digital)	HDBaseT w/HDCP (V1.4)		
	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 replacement cables.
Visit business.sharpusa.com for details.



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