

# SHARP

## 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 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



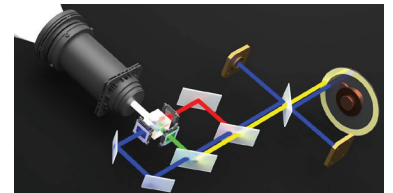
## NaViSet Administrator 2

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

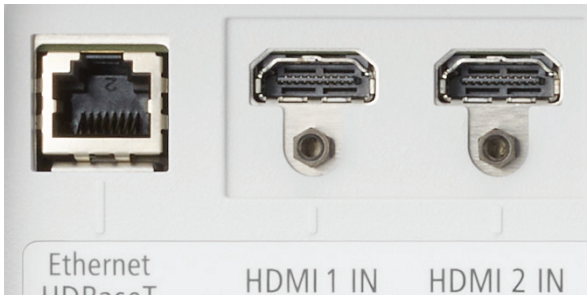


## GET CONNECTED WITH A WIDE SELECTION OF INPUTS

- **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

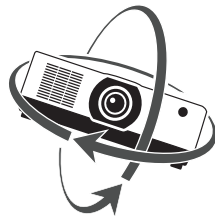
### 10,000-hour filter life

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

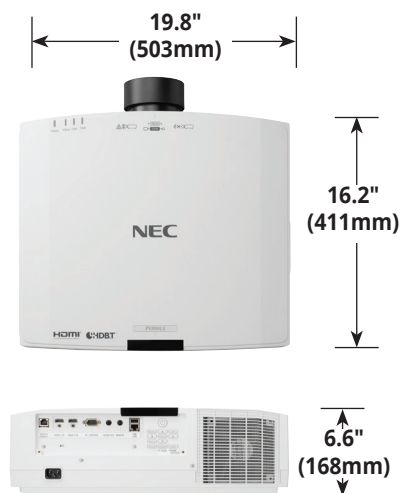
Remote control, batteries, power cord, user's manual on CD-ROM, quick start guide, product registration card.

## ACCESSORIES

RMT-PJ40	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



		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 <https://www.sharpedisplays.us/> for details.

