

Orchestrating a brighter world

NEC

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

PA Series



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

Powerful Tools

- Multi-display support with Picture by Picture/ Picture Out Picture
- TileMatrix (internal multi-screen splitter) enables 4Kx2K resolution utilizing 4 projectors without the need for external hardware
- Built-in daisy chain capabilities support multi-display applications
- Seamlessly blend multiple images with integrated edge blending capabilities

Integrated

- Project uncompressed FHD video with integrated HDBaseT™
- High performance video processing/scaling creates life-like images
- Integrated software applications such as Crestron Roomview, AMX Beacon and PJ Link allow for complete interactivity and control

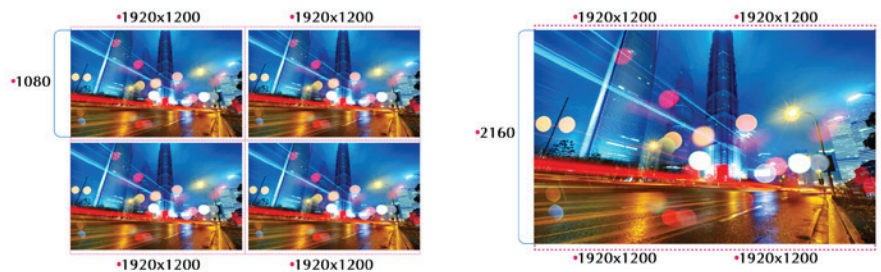
Flexible

- Enjoy greater installation flexibility with a complete line of optional bayonet style lenses (6) for quick and easy exchange. Lens throw distances range from 2.5 to 68.5 ft
- 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

Screen Splitter

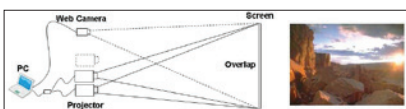
NEC is committed to bringing the latest and greatest innovation to projectors. Multi-display capabilities and TileMatrix technologies are integrated into the new PA series projectors. This processing is all done internally and therefore eliminates the additional hardware typically required to produce a beautiful 4K resolution image.

Screen Splitter (Multi Display) by Daisy Chain



Stacking correction

The industry's first built-in stacking correction capabilities (up to four projectors) allows the projectors to boost an image's brightness up to 28,800 lumens, which is ideal for larger-sized screens and environments with heavy ambient light. This feature also prevents the complete loss of an image, which can happen when using only one projector.



Edge blending

This function seamlessly blends multiple projected images to display a single high-resolution image.



Dual HDMI inputs

Among the PA 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. With multiple HDMI connections, loop out up to four projectors.



Built-In HDBaseT Support

Simplify your installations with HDBaseT. Optimized for video applications and supporting uncompressed full HD digital video, audio, ethernet, power and various control signals. With only a single cable (up to 100m) to run, infrastructure and labor costs are reduced, installations are significantly easier, and there is no cable clutter to manage. With uncompressed HD video support, images have never been more stunning. What's more, control signals are contained in the same cable.



GET CONNECTED WITH A WIDE SELECTION OF INPUTS

- **Dual computer inputs** ensure quick switching between presentations
- **Four audio inputs (two mini stereo [Comp1 & Comp2] and HDMI™)** make it easy to add sound to enhance your presentations

Remote control

Wired and wireless backlit remote allows you to adjust for complete control of the projector 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.



DisplayPort

This input provides PA Series models with expanded connectivity with advanced technology.



Wall color correction presets

These provide for adaptive color tone correction to display properly on non-white surfaces.

On a green wall...



BEFORE auto wall correction



AFTER auto wall correction



Input panel cover

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



ADVANCED SOFTWARE FEATURES

Cornerstone

Enhanced keystone correction allows for horizontal, vertical and diagonal image correction for aligned images even when the projector is set up at an angle to the screen.



3D

When combined with active shutter glasses and 3D emitter, the PA Series Projectors create 3D images from a computer or Blu-ray player. The PA672W/PA622U/PA722X utilize the 3D sync line output from the projector to connect to the 3D emitter. Optional 3D glasses and emitters from XPAND are available from NEC.



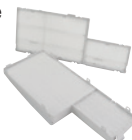
Geometric Correction

Projecting an image isn't confined to a standard flat screen or wall with the NEC PA Series. Geometric correction allows these models to project an image on spheres, cylinders, corner angles and many more non-standard surfaces.



4000-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.



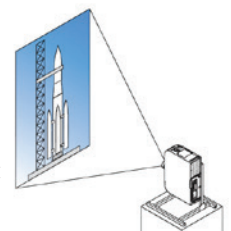
Tilt-free

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



Portrait mode

Allows the projector to be rotated (and screen if necessary) to a vertical alignment so that portrait content can be viewed without black bars on the side when landscape mode is used.



UNIQUE FEATURES

3D Reform™ allows you to square the image by adjusting horizontally, vertically or diagonally when the projector cannot be placed parallel or perpendicular to the screen

Virtual Remote Used via a network connection (wired/ wireless), you can control the projector directly from a computer without the need for additional control cables.

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

AutoSense™ automatically syncs with any computer signal and features one-touch image optimization

64-step image magnification with location control

Discreet source keys for source selection

Remote diagnostics enable the user to monitor and make adjustments to the projector remotely

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

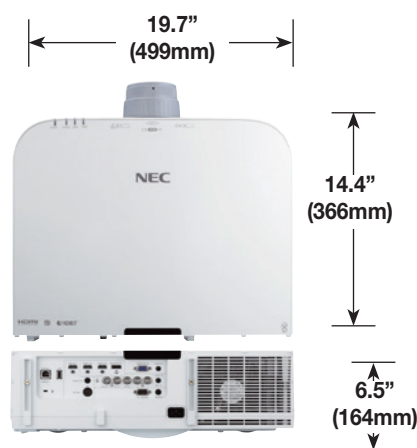
Registered owners receive a 3-year parts and labor warranty including the first year of InstaCare. The lamp is covered for one year or 500 hours, whichever comes first. InstaCare provides the original owner one year of either limited 3 business day repair/return or next business day exchange.

IN THE BOX

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

ORDERING MODEL NUMBERS

NP-PA672W
NP-PA622U
NP-PA722X



		PA672W	PA622U	PA722X
Display Technology		0.75" LCD w MLA	0.76" LCD w MLA	0.79" LCD w MLA
Light Output (lumens)		6700 normal	6200 normal	7200 normal
Resolution	Native	WXGA 1280 x 800	WUXGA 1920 x 1200	WXGA 1024 x 768
	Maximum	4K 4096 x 2160		
Contrast Ratio (up to)		5,000:1 with auto iris		
Lamp Life (up to)		3000 hours normal / 4000 hours eco		
Screen Size (diagonal)		40 to 500 in. / 1.02 to 12.7m		
Throw Ratio	NP11FL	0.80:1		
	NP30ZL	0.79 - 1.04:1		
	NP12ZL	1.19 - 1.56:1		
	NP13ZL	1.50 - 3.02:1		
	NP14ZL	2.97 - 4.79:1		
	NP15ZL	4.70 - 7.02:1		
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		
	Zoom Ratio	Variable		
	Focus	Manual		
	NP11FL	F= 2.3, f= 13.2mm		
	NP30ZL	F= 1.9 to 2.1, f= 13.2 to 17.2mm		
	NP12ZL	F= 2.2 to 2.69, f= 19.4 to 25.3mm		
	NP13ZL	F= 1.7 to 2.37, f= 24.2 to 48.6mm		
	NP14ZL	F= 2.2 to 2.64, f= 48.5 to 77.6mm		
	NP15ZL	F= 2.2 to 2.7, f= 76.6 to 116.5mm		
	Shift	Mechanical -0.1 to +0.6 vertical, +/-0.3 horizontal	"Mechanical -0.1 to +0.5 vertical, +/-0.3 horizontal"	
Keystone Correction		+/- 40° horizontal, +/- 40° vertical		
Synchronization Range	Horizontal	Analog: 15-100kHz, Digital: 15-153kHz		
	Vertical	Analog: 48-120Hz, Digital: 24-120Hz		
Supported Video Standards		NTSC, NTSC4.43, PAL, PAL-60, PAL-M, PAL-N, SECAM		
SD/HD Video Signal Compatibility		1080p, 1080i, 720p, 576p, 576i, 480p, 480i		
PC Signal Compatibility		VGA, SVGA, XGA, SXGA, SXGA+, UXGA, WUXGA		
Macintosh Compatibility		Yes		
Input/Output Terminals	RGB1 (analog)	VGA 15 pin D-sub, Component video using ADP-CV1E adapter		
	RGB2 (analog)	5-BNC		
	RGB3 (digital)	HDMI (V1.4) w/HDCP		
	RGB4 (digital)	HDMI (V1.4) w/HDCP		
	RGB5 (digital)	DisplayPort w/HDCP		
	RGB6 (digital)	HDBaseT		
	Audio1	Mini Stereo		
	Audio2	Mini Stereo		
	Monitor Out	HDMI (V1.4) w/HDCP		
3D Sync Line		3Pin D		
Audio		10W mono		
External Control		RS-232, IR, HDBaseT, DDC/CI, RJ-45, Mini Stereo		
Sync Compatibility		Separate Sync / Composite Sync / Sync on G		
Power Requirements		100 – 240V AC, 50/60Hz		
Input Current		5.5A		
Power Consumption				
(ECO off/ECO Mode/Standby/Standby-Power Saving)		483W / 377W / 7.4W / 0.11W		
Installation Orientation		Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear		
Dimensions (WxDxH)		19.7 x 14.4 x 6.5 in. / 499 x 366 x 164mm		
Net Weight		18.5 lbs. / 8.4 kg		
Fan Noise		39 dB normal / 33 dB eco		
Regulations		USA: UL 1950 FCC Class B, Canada: CSA950 (C-UL), NOM		
Operating Temperature		41° – 104°F / 5° – 40°C		
Humidity		20-80% non-condensing		
Storage		-14° – 122°F / -10° – 50°C		

* Lens does not ship with the projector.

Additional accessories are available, including screens, carts, mount accessories and replacement cables. Visit www.necdisplay.com for details.

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