

Empowered by Innovation

NEC

Professional Installation Projectors

PA Series

Ideal for corporate, higher education and museum applications



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

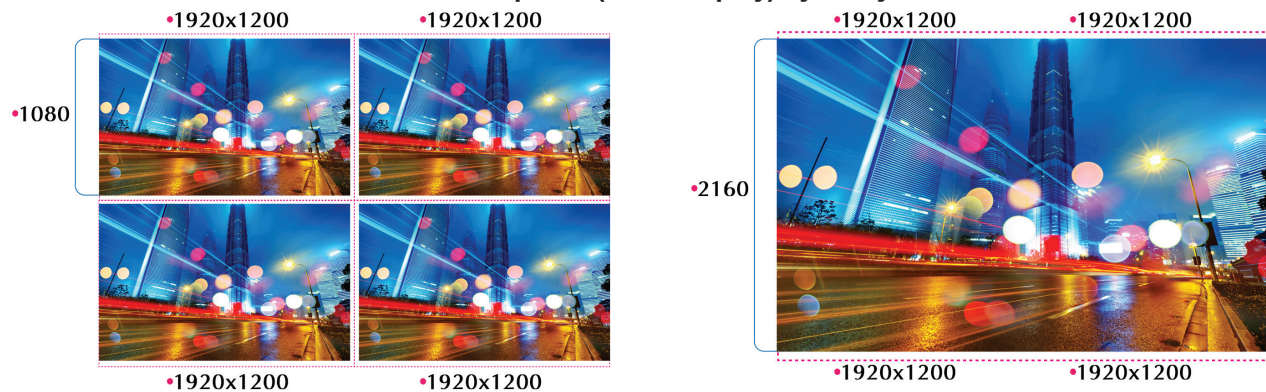
Flexible

- 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

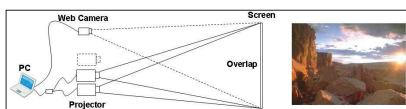
NEC is committed to bringing the latest and greatest innovation to projectors. Multi-display capabilities and TileMatrix technologies are integrated into the new PA series projectors. This processing is all done internally and therefore eliminates the additional hardware typically required to produce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



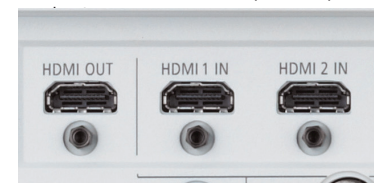
Edge blending

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



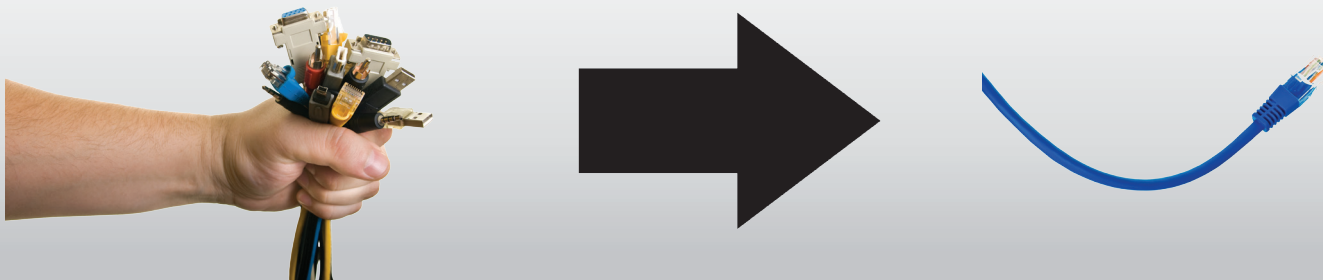
Dual HDMI inputs

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



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's 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

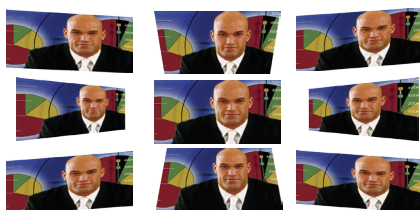
This optional accessory creates a clean look for your installation, while hiding signal cables and the power cord.



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.

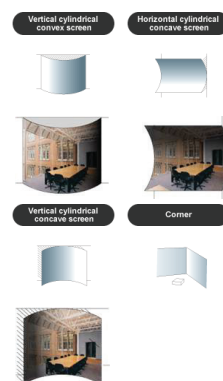


3D

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.



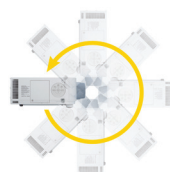
4000-hour filter life

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.



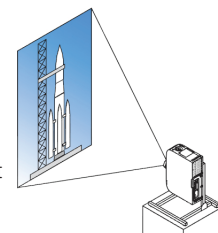
Tilt-free

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

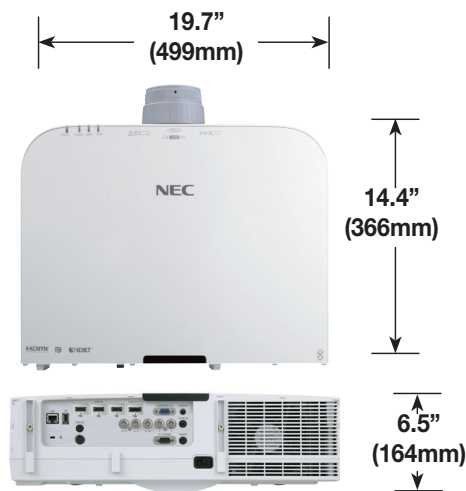


Portrait mode

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.



Specifications for PA672W/PA622U/PA722X



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, RGB signal cable, lens cap, user's manual on CD-ROM, quick start guide, product registration card, wired and wireless network setup guide.

ORDERING MODEL NUMBERS

NP-PA672W
NP-PA622U
NP-PA722X

OPTICAL	
Display Technology	PA672W: 0.75" LCD with MLA PA622U: 0.76" LCD with MLA PA722X: 0.79" LCD with MLA
Light Output (lumens)	PA672W: 6700 normal PA622U: 6200 normal PA722X: 7200 normal
Resolution Native	PA672W: WXGA 1280 x 800 PA622U: WUXGA 1920 x 1200 PA722X: XGA 1024 x 768
Maximum Contrast Ratio (up to)	WUXGA 1920 x 1200 6000:1 with auto iris
Lamp Type	350W AC / 264W eco
Lamp Life (up to)	3000 hours normal / 4000 hours eco
Screen Size (diagonal)	40 to 500 in. / 1.02 to 12.7m
Throw Ratio	0.80:1
NP11FL	1.19 - 1.56:1
NP12ZL	1.50 - 3.02:1
NP13ZL	2.97 - 4.79:1
NP14ZL	4.70 - 7.02:1
NP15ZL	0.79 - 1.04:1
NP30ZL	2.5 to 68.5 ft. / 0.74 to 20.9m
Projection Distance	10.3 to 10.8* tele / 13.7 to 14.5* wide
Projection Angle	
Lens*	Manual NP11FL: NA / NP12ZL: 1 to 1.31 / NP13ZL: 1 to 2.01 / NP14ZL: 1 to 1.61 / NP15ZL: 1 to 1.53 / NP30ZL: 1 to 1.3
Zoom	Manual
Zoom Ratio	F = 2.3, f = 13.2mm F = 2.2 to 2.69, f = 19.4 to 25.3mm F = 1.7 to 2.37, f = 24.2 to 48.6mm F = 2.2 to 2.64, f = 48.5 to 77.6mm F = 2.2 to 2.7, f = 76.6 to 116.5mm F = 1.9 to 2.1, f = 13.2 to 17.2mm
Focus	PA622U/PA722X: Mechanical -0.1 to +0.5 vertical, +/- 0.3 horizontal
F-number, f-number	PA672W: Mechanical -0.1 to +0.6 vertical, +/- 0.3 horizontal
NP11FL	+/- 40° horizontal, +/- 40° vertical
NP12ZL	
NP13ZL	
NP14ZL	
NP15ZL	
NP30ZL	
Shift	
Keystone Correction	
SIGNAL COMPATIBILITY/CONNECTIVITY	
Scan Rate	15 - 153 kHz
Horizontal	48 - 120 Hz
Vertical	NTSC, NTSC4.43, PAL, PAL-60, PAL-M, PAL-N, SECAM
Supported Video Standards	1080p, 1080i, 720p, 576p, 576i, 480p, 480i
SD/HD Video Signal Compatibility	VGA, SVGA, XGA, SXGA, SXGA+, UXGA, WUXGA
PC Signal Compatibility	Yes
Macintosh Compatibility	
Input/Output Terminals	VGA 15-pin D-sub 5-BNC HDMI w/ HDCP HDMI w/ HDCP DisplayPort w/ HDCP HDBaseT Mini stereo HDMI VGA 15-pin D-sub 3Pin D 10W mono
RGB1 (analog)	RS-232, IR, HDBaseT, DDC/CI, USB, Mini Stereo
RGB2 (analog)	Separate Sync / Composite Sync / Sync on G
RGB3 (digital)	
RGB4 (digital)	
RGB5 (digital)	
RGB6 (digital)	
Audio	
Monitor Out	
Audio Out	
3D Sync Line	
Audio	
External Control	
Sync Compatibility	
ELECTRICAL	
Power Requirements	100 - 240V AC, 50/60Hz
Input Current	5.1A
Power Consumption (ECO off/ECO Mode/Standby/Standby-Power Saving)	460W / 362W / 7.4W / 0.11W
MECHANICAL	
Optional Lenses	NP11FL, NP12ZL, NP13ZL, NP14ZL, NP15ZL, NP30ZL
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
ENVIRONMENTAL	
Operating Temperature	41° - 104°F / 5° - 40°C
Humidity	20-80% non-condensing
Storage	-14° - 122°F / -10° - 50°C
ACCESSORIES	
SCP200	Suspended ceiling plate
NP3250CM	Ceiling mount
NP11FL	0.8:1 fixed short throw lens
NP12ZL	1.19 - 1.56:1 zoom lens
NP13ZL	1.5 - 3.0:1 zoom lens
NP14ZL	2.97 - 4.79:1 zoom lens
NP15ZL	4.7 - 7.2:1 zoom lens
NP30ZL	0.79 - 1.04:1 zoom lens
NP26LP	Replacement lamp
NP04CV	Terminal cover
NP02LM1	Wireless LAN module
RMT-PJ33	Replacement remote control
PW RCRD-PJPX	Power cable
RGBCBL-PJPX	RGB cable
NECEW2-1	Extends term of parts and labor warranty to 4 years
ADVEXONT-1	Extends term of InstaCare service program to 2 years
ADVEXON2-1	Extends term of InstaCare service program to 3 years
NECECO	Projector recycling program, disposal certificate

* 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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