

NEC PA622U

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



**Ideal for corporate, higher
education and museum
applications**

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

Integrated

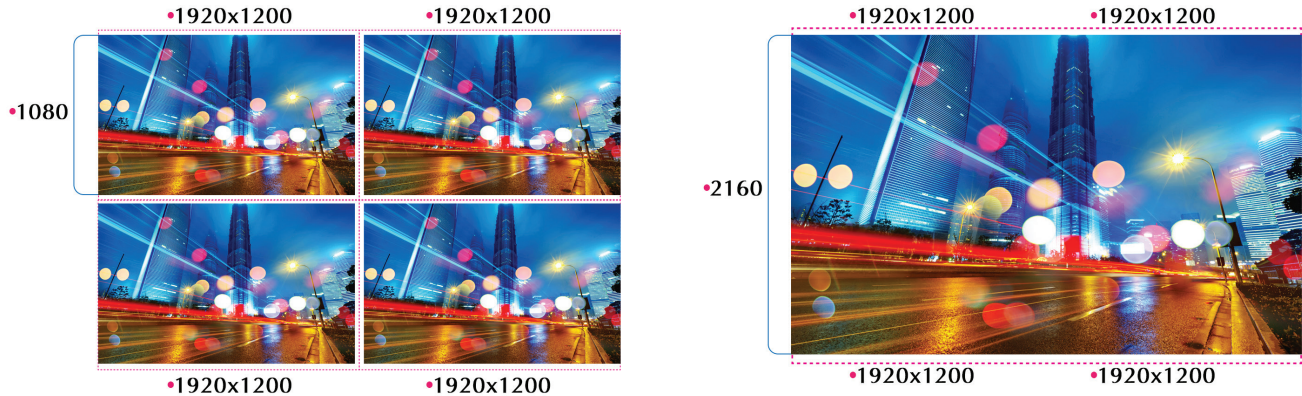
- Project uncompressed FHD video with integrated HDBaseT
- High performance video processing/scaling creates life-like images
- Integrated software applications such as DisplayNote®, Crestron Roomview, AMX Beacon and PJ Link allow for complete interactivity and control

Powerful Tools

- Multi-display support with Picture by Picture/Picture Out Picture
- TileMatrix enables 4Kx2K resolution utilizing 4 projectors via external distribution amplifier
- Seamlessly blend multiple images with integrated edge blending capabilities

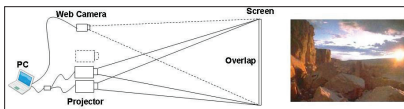
TileMatrix

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 only an external distribution amplifier is required to produce a beautiful 4K resolution image.



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 24,800 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

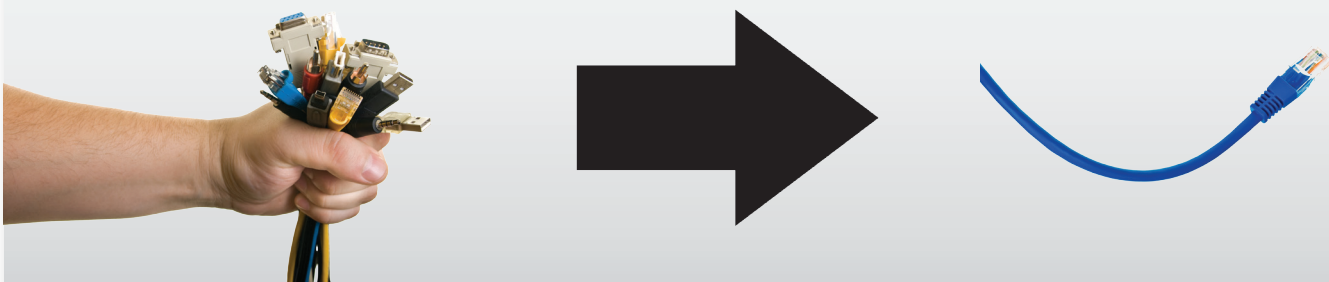
Among the PA Series' wide selection of inputs are dual HDMI w/HDCP for connecting to high-definition sources such as Blu-ray players, cable boxes, satellite receivers and personal computers. With multiple HDMI connections, loop out up to four projectors.



HDMI
HIGH DEFINITION MULTIMEDIA INTERFACE

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], R/L [RCA - shared by video sources] and HDMI™)** make it easy to add sound to enhance your presentations

Remote control

Easy control from remote allows you to adjust lamp mode, aspect ratio, volume and image all with the touch of a button.



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



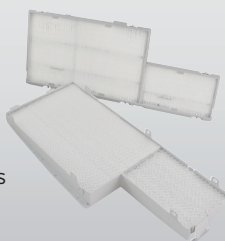
Input panel cover

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



4000-hour filter life

NEC is committed to designing its products to provide long lifecycles. This commitment even extends to components within its products, including the improved filter. This virtually maintenance-free filter reduces the frequency at which cleaning is required, thereby decreasing your total cost of ownership. Filter replacement is only required at the time the lamp is replaced.



Variable audio-out

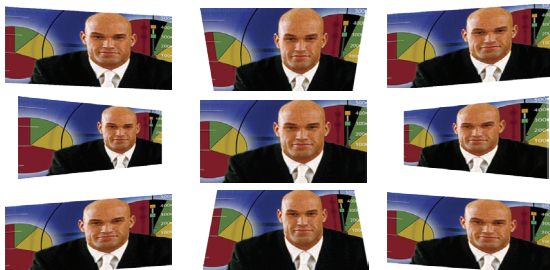
This input enables the remote control to be used to adjust volume of self-powered external speakers that are connected to the projector. In stand-by mode, the audio-out stays active, allowing the last input used to pass to the self-powered external speakers.



ADVANCED 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.



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.

Vertical cylindrical convex screen



Horizontal cylindrical concave screen



Vertical cylindrical concave screen



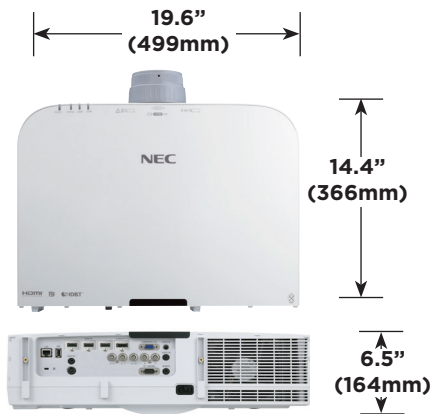
Corner



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.





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

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, lens anti-theft screw

ORDERING MODEL NUMBERS

NP-PA622U

Specifications for PA622U

OPTICAL

Display Technology
Light Output (lumens)
Resolution
Native
Maximum
Contrast Ratio (up to)
Lamp Type
Lamp Life (up to)
Screen Size (diagonal)
Throw Ratio

NP11FL
NP12ZL
NP13ZL
NP14ZL
NP15ZL
NP30ZL

Projection Distance
Projection Angle
Lens*

Zoom
Zoom Ratio

Focus
F-number, f-number

NP11FL
NP12ZL
NP13ZL
NP14ZL
NP15ZL
NP30ZL

Shift

Keystone Correction

PA622U: 0.76" LCD with MLA
PA622U: 6200 normal
PA622U: WUXGA 1920 x 1200
WUXGA 1920 x 1200
6000:1 with auto iris
350W AC / 264W eco
3000 hours normal / 4000 hours eco
40 to 500 in. / 1.02 to 12.7m

0.80:1
1.19 - 1.56:1
1.50 - 3.02:1
2.97 - 4.79:1
4.70 - 7.02:1
0.79 - 1.04:1
2.5 to 68.5 ft. / 0.74 to 20.9m
10.3 to 10.8" tele / 13.7 to 14.5" wide

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
Manual

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
PA622U: Mechanical -0.1 to +0.5 vertical,
+/- 0.3 horizontal
+/- 40° horizontal, +/- 30° vertical

SIGNAL COMPATIBILITY/CONNECTIVITY

Scan Rate
Horizontal
Vertical
Supported Video Standards
SD/HD Video Signal Compatibility
PC Signal Compatibility
Macintosh Compatibility
Input/Output Terminals

RGB1 (analog)
RGB2 (analog)
RGB3 (digital)
RGB4 (digital)
RGB5 (digital)
RGB6 (digital)
Audio
Monitor Out
Audio Out

Audio
External Control
Sync Compatibility

15 - 108 kHz
48 - 120 Hz
NTSC, NTSC4.43, PAL, PAL-60, PAL-M, PAL-N, SECAM
1080p, 1080i, 720p, 576p, 576i, 480p, 480i
VGA, SVGA, XGA, SXGA, SXGA+, UXGA, WUXGA
Yes

VGA 15-pin D-sub
S-BNC
HDMI w/ HDCP
HDMI w/ HDCP
DisplayPort w/ HDCP
HDBaseT
Mini stereo
HDMI
VGA 15-pin D-sub
10W mono
RS-232, IR, HDBaseT, DDC/CI, USB
Separate Sync / Composite Sync / Sync on G

ELECTRICAL

Power Requirements
Input Current
Power Consumption (ECO off/ECO Mode/Standby/
Standby-Power Saving)

100 - 240V AC, 50/60Hz
5.5A - 2.2A
460W / 362W / 7.4W / 0.11W

MECHANICAL

Optional Lenses
Installation Orientation
Dimensions (WxDxH)
Net Weight
Fan Noise
Regulations

NP11FL, NP12ZL, NP13ZL, NP14ZL, NP15ZL, NP30ZL
Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear
19.7 x 14.4 x 6.5 in. / 499 x 366 x 164mm
18.5 lbs. / 8.4 kg
39 dB normal / 33 dB eco
USA: UL 1950 FCC Class B, Canada: CSA950 (C-UL), NOM

ENVIRONMENTAL

Operating Temperature
Humidity
Storage

41° - 104°F / 5° - 40°C
20-80% non-condensing
-14° - 122°F / -10° - 50°C

ACCESSORIES

SCP200
NP3250CM
NP11FL
NP12ZL
NP13ZL
NP14ZL
NP15ZL
NP30ZL
NP26LP
NP04CV
RMT-PJ33
PW RCRD-PJPX
RGBCBP-PJPX
NECEW2-I
ADVEXON1-I
ADVEXON2-I
NECECO

Suspended ceiling plate
Ceiling mount
0.8:1 fixed short throw lens
1.19 - 1.56:1 zoom lens
1.5 - 3.0:1 zoom lens
2.97 - 4.79:1 zoom lens
4.7 - 7.2:1 zoom lens
0.79 - 1.04:1 zoom lens
Replacement lamp
Terminal cover
Replacement remote control
Power cable
RGB cable
Extends term of parts and labor warranty to 4 years
Extends term of InstaCare service program to 2 years
Extends term of InstaCare service program to 3 years
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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rev 4.17.14

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