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

FLEXIBILITY ENABLES PERFORMANCE
• High-performance video processing/scaling, utilizing the Hollywood Quality Video processor, is designed for computer signals as well as standard or high-definition video. The technology produces superior video processing using pixel-based, motion-adaptive de-interlacing to remove undesirable motion artifacts typical of interlaced signals. This processing creates life-like images in applications such as video conferencing.
• Bright enough for most applications: 6000 lumens (PA600X), 5500 lumens (PA550W), 5000 lumens (PA500U and PA500X)

INTEGRATED NETWORKING AND ASSET MANAGEMENT
• Integrated RJ45 connection for quick connection to the LAN (10/100 base-T capability)
• Optional high-speed wireless LAN IEEE 802.11b/g/n
• Desktop control allows you to securely transmit information wirelessly to the projector from a docking station or PC in another room
• Image Express Utility (IEU 2.0; compatible with Windows or Mac operating systems) dedicated projector software provides wired and wireless data transmission via peer-to-peer or over the network
• Broadcast mode allows you to send information from one computer to several projectors
• Windows Network Projector function within Windows Vista connects directly to networked projectors without the need for additional proprietary software
• Windows Remote Desktop function allows you to control a networked computer by connecting a USB mouse and keyboard directly to the projector’s USB input
• Windows Network Drive Function displays multimedia files (.jpeg, .bmp, .png, .mpeg2 or .wmv9) in the Windows shared folder on a local network using the Viewer function—all without bringing your PC into the conference room
• Windows Media Connection Function displays multimedia files (.mpeg2, .jpeg or .wmv9) stored on the Windows Media Connect server or a local network using the Viewer function—all without bringing your PC into the conference room
• Crestron Roomview Connected™

SECURITY FEATURES PROVIDE PEACE OF MIND
• Cabinet control lock setting enables user to deactivate buttons on cabinet to prevent unwanted changes to projector settings
• Logo lock restricts changes to logo saved in projector memory
• Password protection restricts unauthorized use of projector
• Email notification informs the system administrator when the lamp approaches the end of its useful life

Lens Shift
Enjoy greater installation flexibility with 60% vertical lens shift and +/-30% horizontal lens shift. Ships lensless with a complete line of optional bayonet style lenses (5) for quick and easy exchange. Lens throw distances range from 2.5 to 68.5 feet.

Tilt-Free Installation
PA Series models can be rotated freely (360°) in order to point up or down depending on the installation requirements.
DESIGNED WITH THE ENVIRONMENT IN MIND

- Extended lamp life with ECO Mode™ technology increases lamp life up to 4000 hours, while lowering power consumption
- Power management enables projector to automatically turn off when an incoming signal is not detected from any of the inputs
- Auto Power On via the RGB (15-pin) input connector when a signal is detected from a computer
- Carbon savings meter calculates the positive effects of operating the projector in ECO Mode, which is encouraged by an optional message at startup. A green ECO Mode button on the remote control makes the switch easy.
- Quick start (3 to 4 seconds) lets you begin presenting in seconds while quick shutdown (immediate power off with no cooling required after shutdown) ensures efficient energy usage
- Sleep timer can be set to automatically turn off the projector at set countdown times
- Low power consumption (0.2W in stand-by mode) minimizes energy costs
- Direct power off provides instantaneous shutdown of the projector

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.

BUILT-IN SOFTWARE

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 24,000 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.

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

DICOM SIM
DICOM Simulation enables users in medical environments to display accurate diagnostic images.
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.

HDMI input
Among the PA Series’ wide selection of inputs is an 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.

USB Viewer
In instances when you’d prefer to leave your laptop behind for a presentation, PA Series projectors can deliver a solution. Using the presentation conversion software included with your projector, simply place your file onto a USB drive and plug it into the projector’s USB port. This allows you to display images stored as .jpgs from optional USB memory.

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.

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.

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.
**Specifications for PA600X/PA550W/PA500U/PA500X**

### OPTICAL
- **Display Technology:**
  - PA600X/PA550X: 0.79” LCD with MLA
  - PA550W: 0.75” LCD with MLA

- **Light Output (lumens):**
  - PA600X: 6000 normal
  - PA550W: 5500 normal
  - PA500U/PA500X: 5000 normal

- **Resolution:**
  - Native

- **Maximum Contrast Ratio (up to):**
  - NP30ZL: 1:1500
  - NP15ZL: 1:1500

- **Screen Size (diagonal):**
  - NP30ZL: 200”
  - NP15ZL: 150”

- **Throw Ratio:**
  - NP30ZL: 1.6 – 2.3:1
  - NP15ZL: 1.5 – 2.1:1

- **Projection Distance:**
  - NP30ZL: 5.0 to 8.0 meters
  - NP15ZL: 3.2 to 5.0 meters

- **Zoom:**
  - Manual

- **Focus:**
  - F-number / F-number
    - NP30ZL: 1:1500
  - NP15ZL: 1:1500

- ** Keystone Correction:**
  - NP30ZL: +/- 10° horizontal / +/- 10° vertical
  - NP15ZL: +/- 10° horizontal / +/- 10° vertical

### SIGNAL COMPATIBILITY/CONNECTIVITY
- **Input/Output Terminals:**
  - RGB (analog)
  - HDMI (w/ HDCP)
  - S-Video
  - RCA
  - 5-BNC
  - 10W mono

- **Audio:**
  - Built-in stereo (Variable audio out)

- **Network:**
  - Built-in HTTP page

### ELECTRICAL
- **Input Current:**
  - 15 – 108 kHz

- **Power Consumption (Normal/ECO Mode):**
  - PA500U: 477W / 384W / 16W / 0.2W

### MECHANICAL
- **Optional Lenses:**
  - NP30ZL: 1.6 – 2.3:1
  - NP15ZL: 1.5 – 2.1:1

- **Fan Noise:**
  - 10 – 130 dB

### ENVIRONMENTAL
- **Operating Temperature:**
  - 41° – 104°F / 5° – 40°C

### ACCESSORIES
- **Suspended ceiling plate:**
  - Ceiling mount
  - 0.81 fixed short throw lens
  - 1.5 – 3.01 zoom lens
  - 2.97 – 4.71 zoom lens
  - Replacement lamp

- **Installation Orientation:**
  - Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear

### ORDERING MODEL NUMBERS
- NP-PAX600X
- NP-PAX550W
- NP-PAX500U
- NP-PAX500X

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*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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