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

PA Series

4K UHD Ready
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**
- 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 NEC 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

**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.

**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 36,000 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.

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

**MultiPresenter**
Utilization of the optional MultiPresenter Stick provides those looking for a network connection easy connection with up to 12 devices at once. (Win, MAC, Android, IOS) Screen mirroring for Android and Win. Simple annotation software.
Digital Inputs

Among the PA Series’ wide selection of inputs are dual HDMI w/HDCP and DisplayPort 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.

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

- Multiple Digital computer inputs ensure quick switching between presentations
- Five audio inputs (one mini stereo [HDMI1™ & HDMI2™, DisplayPort and HDBaseT] 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 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

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 PA Series 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.

10,000-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**

**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

**WARRANTY**

Registered owners receive a 3-year parts and labor warranty including InstaCare next business day exchange. The Registered owners receive a 3-year parts and labor warranty to 4 years. Lamp is covered for one year or 500 hours, whichever comes first.

**IN THE BOX**

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

**ACCESSORIES**

- NP42LP Replacement Lamp
- RMP-PJ37 Replacement Remote Control
- Optional Lenses: NP11FL, NP12FL, NP13FL, NP14FL, NP30FL, NP40FL, NP41FL, NP42FL, NP43FL, NP44FL
- DS1-MP10RX1 MultiPresenter Stick
- NP10DV Terminal Cover
- NP60FT Replacement Filter
- XPAND K003-00-1 3D Glasses
- XPAND AD025-RF-X1 Terminal Cover
- RMT-PJ37 Remote control, batteries, power cord, user’s manual on CD-ROM

**ORDERING MODEL NUMBERS**

- NP-P653U
- NP-P803U
- NP-P453W
- NP-PW93X
- NP-P603U
- NP-P453W
- NP-PW93X

**Specifications**

<table>
<thead>
<tr>
<th>Display Technology</th>
<th>0.76&quot; LCD w MLA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Output (Lumen)</td>
<td>3500 normal/4000 normal/4500 normal</td>
</tr>
<tr>
<td>Resolution</td>
<td>WXGA1280 x 800</td>
</tr>
<tr>
<td>Maximum</td>
<td>3500 normal/4000 normal/4500 normal</td>
</tr>
<tr>
<td>Contrast Ratio (up to)</td>
<td>4000:1 with auto iris/10000:1 with auto iris</td>
</tr>
<tr>
<td>Lamp Life (up to)</td>
<td>4000 hours normal/5000 hours eco/3000 hours normal/5000 hours eco</td>
</tr>
</tbody>
</table>

**Dimensions (WxDxH)**

- LED: 19.8" (503mm) x 16.2" (411mm) x 6.6" (168mm)

**3D Relea**

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