PA Series

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

Timetable

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<th>Monday</th>
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<tr>
<td>13:00 - 17:00</td>
<td>9:00 - 10:00</td>
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<td>1177-A</td>
<td>1327-B</td>
<td>2377-C</td>
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<td>Basic Calculus</td>
<td>Calculus -1</td>
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LCD laser installation projectors extreme brightness captivates audiences in conference rooms, auditoriums and sanctuaries

### 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

### Flexible
- Enjoy greater installation flexibility with powered motorized 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)
- Roll-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

### Laser
- Images appear immediately after power on due to instantaneous start up of the laser
- Dual blue laser systems provide best in class white balance over the life of the projector
- Inorganic optical components create longer lifetime and greater peace of mind

### Filter Free
- Filter free LCD projector
- Sealed LCD cooling system prevents dust from reaching the optics and eliminates the need for a filter
- External air never reaches the optical path
- No dust artifacts or decrease in brightness
- LCD Laser Projector that is maintenance free!

### 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 40,000 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.

### ProAssist™
Projector management software for installation professionals provides full projector control for multiple screens to create the perfect image. Controls such as input switching, picture, lens, edge blending, uniformity and gamma control are adjustable though the GUI.
**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.

**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.

**Cable 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 PA Series utilize the 3D sync line output from the projector to connect to the 3D emitter.

**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.

**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.

**Roll Free**

When installation requirements dictate the projector needs to be placed at different angles the PA Series with Roll Free capabilities assures it is the correct projector of choice.
Specifications

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 standby 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 to remote locations.

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

Ordering Model Numbers
PA1004UL-BG
PA1004UL-WG
PA304UL-BG
PA304UL-WG

PA-PA804UL
2.5 to 68.5 ft. / 0.74 to 20.9m
HDMI (V2.0) w/HDCP (V1.4/2.2)
1.0x
VGA 15 pin D-sub, Component video using ADP-CV1E adapter
1.30 - 3.02:1
Stereo Mini Jack
Yes
+/- 40° horizontal, +/- 40° vertical
3Pin Din
10.3 to 10.8° tele / 13.7 to 14.5° wide
2.99 - 5.93:1
Laser Shutter
635W / 515W / 0.8W / 0.22W
1.4x
20,000 hours
WUXGA 1920 x 1200
RS-232, IR, HDBaseT, DDC/CI, RJ-45, USB (USB 2.0)
8200
HDMI (V2.0) w/HDCP (V1.4/2.2)
0.76" LCD w/ MLA
0.79 - 1.11:1
HDBaseT w/HDCP (V1.4/2.2)
3,000,000:1 (with Dynamic Contrast)
1.3x
480i, 480p, 576i, 576p, 720p, 1080i, 1080p, 4K
1.6x
Manual zoom / focus, F= 1.7 to 2.3, f= 24.2 to 48.6mm, 1.6lbs. / 0.84 kg
4K 4096 x 2160
Analog: 48-120Hz, Digital: 24-120Hz
Separate Sync / Composite Sync / Sync on G
F=2.3, f= 6.27, 6.8 lbs. / 3.1 kg
Manual zoom / focus, F=2.2 to 2.6, f= 19.4 to 39.8mm, 2.6lbs. / 1.2 kg
2.90 - 4.64:1
Manual zoom / focus, F= 2.0, f= 6.27, 6.8 lbs. / 3.1 kg
1.16 - 1.52:1
Manual zoom / focus, F= 2.0 to 2.5, f= 13.3 to 18.6mm, 3.5lbs. / 1.6 kg
0.79:1
100-240V AC, 50/60 Hz
28.9 x 14.1 x 24.8 in. / 735 x 359 x 631 mm
53.1 lbs. / 24.1 kg
-53.1 lbs. / 24.1 kg
53.1 lbs. / 24.1 kg
23.6 x 8.5 x 19.3 in. / 599 x 216 x 490 mm
63.3 lbs. / 28.7 kg

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