NEC PA622U

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

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

Ideal for corporate, higher education and museum applications
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.

TileMatrix

The industry’s first built-in stacking correction capabilities (up to four projectors) allows the projectors to boost an image’s brightness up to 28,000 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.

Screen Splitter (Multi Display) by Daisy Chain

Stacking correction

Edge blending

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.

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.

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.

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 PA622U

#### OPTICAL

- **Display Technology**: LCOS with MLA
- **Light Output (lumens)**: 6200 normal
- **Native Resolution**: 1920 x 1200
- **Contrast Ratio (up to)**: 3000:1
- **Throw Ratio**:
  - NP11FL: 0.79 to 1.04
  - NP12ZL: 2.97 to 4.79
  - NP13ZL: 1.19 to 1.56
  - NP14ZL: 1.19 to 1.56
  - NP15ZL: 1.19 to 1.56
  - NP30ZL: 1.19 to 1.56
- **Screen Size (diagonal)**: 40 to 500 in. / 1.02 to 12.7m
- **Lamp Life (up to)**: 3000 hours normal / 4000 hours eco
- **Lamp Type**: 350W AC / 264W eco
- **Light Output (lumens)**:
  - Normal: 6200
  - ECO: 0.76
- **Display Technology**: PA622U: 0.76" LCD with MLA
- **Network Compatibility**: 866-NEC-MORE
- **OSD Language**: English

#### SIGNAL COMPATIBILITY/CONNECTIVITY

- **Supported Video Standards**:
  - PC: VGA, SVGA, XGA, SXGA, SXGA+, UXGA, WUXGA
- **Video Standards**:
  - NTSC, NTSC4.43, PAL, PAL-60, PAL-M, PAL-N, SECAM
- **Input and Output Terminals**:
  - RGB: 6 (digital), 5 (analog)
  - DisplayPort w/ HDCP
  - HDMI w/ HDCP
  - HDMI
  - RS-232, IR, HDBaseT, DDC/CI, USB
- **Audio Out**: Mini stereo
- **Audio In**: RGB2, 3, 4, 5, 6
- **Sync Compatibility**: 0 to 108 kHz
- **External Control**: RS-232, IR, HDBaseT, DDC/CI, USB

#### ELECTRICAL

- **Power Consumption**:
  - ECO off: 460W
  - ECO: 362W
  - Standby: 7.4W
  - Standby-Power Saving: 0.11W
- **Input Current**: 5.5A - 2.2A
- **Operating Temperature**: 41° – 104°F / 5° – 40°C
- **Humidity**: 20-80% non-condensing
- **Fan Noise**: 39 dB normal / 33 dB eco
- **Dimensions (WxDxH)**: 19.7 x 14.4 x 6.5 in. / 499 x 366 x 164mm
- **Weight**: 18.5 lbs. / 8.4 kg

#### MECHANICAL

- **Installation Orientation**: Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear
- **Net Weight**: 100 – 240V AC, 50/60Hz
- **Input Voltage**: 10.3 to 11.8 VAC
- **Input Current**: 5.5A - 2.2A
- **Input Power**: 460W / 362W / 7.4W / 0.11W
- **Power Consumption (ECO off/ECO Mode/Standby/Standby-Power Saving)**: 460W / 362W / 7.4W / 0.11W

#### ENVIRONMENTAL

- **Temperature Range**: -40° to 104°F / -40° to 40°C
- **Storage Temperature Range**: -40° to 104°F / -40° to 40°C
- **Humidity**: 20-80% non-condensing
- **Operating Temperature**: 41° – 104°F / 5° – 40°C
- **Humidity**: 20-80% non-condensing

#### ACCESSORIES

- **Suspended ceiling plate**
- **Ceiling mount**
- **Ceiling support**
- **Replacement remote control**
- **Replacement lamp**
- **Terminal cover**
- **Replacement cable**
- **Power cable**
- **RGB cable**
- **Terminal cover**

* Lens does not ship with the projector.

Additional accessories are available, including screens, carts, mounts, accessories and replacement cables. Visit www.necdisplay.com for details.

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rev 4.7.14