### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>MP-PA803UL</th>
<th>MP-PA653UL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Lens unit model name</strong></td>
<td>NP-PA803UL</td>
<td>NP-PA653UL</td>
</tr>
<tr>
<td><strong>Light Source</strong></td>
<td>Laser diode</td>
<td>Laser diode</td>
</tr>
<tr>
<td>Power consumption</td>
<td>627 W (100 – 130 V) / 613 W (200 – 240 V)</td>
<td>627 W (100 – 130 V) / 613 W (200 – 240 V)</td>
</tr>
<tr>
<td>Contrast ratio*5</td>
<td>250,000:1</td>
<td>250,000:1</td>
</tr>
<tr>
<td>Screen size (throw distance)</td>
<td>50&quot; to 500&quot; (throw distance depends on lens)</td>
<td>50&quot; to 500&quot; (throw distance depends on lens)</td>
</tr>
<tr>
<td><strong>Power consumption</strong></td>
<td>0.15 W (100 – 130 V) / 0.21 W (200 – 240 V)</td>
<td>0.15 W (100 – 130 V) / 0.21 W (200 – 240 V)</td>
</tr>
<tr>
<td><strong>Light output values</strong></td>
<td>8,000 lumens</td>
<td>6,500 lumens</td>
</tr>
<tr>
<td><strong>Power consumption</strong></td>
<td>10.2 A – 4.5 A</td>
<td>10.2 A – 4.5 A</td>
</tr>
<tr>
<td><strong>Contrast ratio</strong></td>
<td>2,500k:1</td>
<td>2,500k:1</td>
</tr>
<tr>
<td><strong>Image Size</strong></td>
<td>0.76&quot; (with DMLA) × 3 (aspect ratio: 16:10)</td>
<td>0.76&quot; (with DMLA) × 3 (aspect ratio: 16:10)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>11.4 kg</td>
<td>9.6 kg</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>580 × 205 × 490 mm (Net dimensions, not including protruding parts), 909 × 322 × 731 mm (Gross dimensions)</td>
<td>580 × 205 × 490 mm (Net dimensions, not including protruding parts), 909 × 322 × 731 mm (Gross dimensions)</td>
</tr>
</tbody>
</table>

### Optional Lens specifications

<table>
<thead>
<tr>
<th>Lens unit model name</th>
<th>NP-PA803UL</th>
<th>NP-PA653UL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Lens shift range</strong></td>
<td>L-CALIB. HOME</td>
<td>L-CALIB. HOME</td>
</tr>
<tr>
<td><strong>Throwing distance and Screen size</strong></td>
<td>MP-PA803UL / MP-PA653UL</td>
<td>MP-PA803UL / MP-PA653UL</td>
</tr>
</tbody>
</table>

### Remote control

- **Control type**: RJ11 / RJ45 / HDMI / DisplayPort
- **Power consumption**: 0.15 W (100 – 130 V) / 0.21 W (200 – 240 V)

### Options

- **MultiPresenter Stick**
- **Lens support kit**
  - NP01LK
  - NP02LK
  - NP412L
  - NP432L
  - NP44ML

### Cabinet dimensions

- **Length**: 205 mm
- **Width**: 208 mm
- **Height**: 205 mm

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NEC Display Solutions, Ltd.

4-26, Wita 1-chome, Minato-ku, Tokyo 108-8573, Japan

https://www.nec-display.com/ap/

Cat. No. WLPJ-1705-0012NF

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Unveiling a filter-free LCD laser-based professional installation projector with high performance

PA803UL / PA653UL

NEC® is a trademark or registered trademark of NEC Corporation in the United States and other countries.

Thank you for your interest in the NEC® projector.

Please visit our website for the latest information and specifications.

For more information, visit our website or contact us directly.

Thank you.

NEC Display Solutions, Ltd.
Realise efficient use and low-maintenance operation in an LCD laser-based projector while producing high-quality images

Excellent Ease of Installation and Functionality in Various Uses and Applications

Multi-screen Function
Multi-display capabilities and tiling technologies are integrated. The projector is also equipped with multiple digital input and HDBaseT output terminals that can connect multiple projectors in a digital daisy chain. These cutting-edge functions produce a beautiful high-resolution image, including a 4K high-resolution display using 4 projectors and various picture-in-picture and picture-by-picture configurations.

Screen Splitter
NEC is committed to bringing the latest and greatest innovations to projectors. Multi-display capabilities and TileMatrix technologies are integrated into these projectors by using the HDBaseT® repeater function (IN/OUT). This processing is all done internally and therefore eliminates the additional hardware typically required to produce a beautiful 4K resolution image.

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

New Optional Lenses with Peripheral Motorised Focus Features and Advanced Dust-proof Construction
Three types of optional lenses for the NP40ZL, NP41ZL and NP41ZL are available as dust proof lenses with motorised zoom and focus and a memory function. A selection of these lenses with wide vertical and horizontal lens shift and control code emulation are available, guaranteeing hassle-free installation and replacement of existing installation projectors.

NEC’s Unique Design to Meet the Era of High-resolution Content and Devices

A High-definition Design to Meet the Era of High-resolution Content and Devices
“SweetVision” newly supports 4K 60 Hz input signals and has been upgraded to support HDR10 and Rec.2020 signals. It offers a high-definition image by raising the contrast in the boundary parts of an image by using the "Craik-O'Brien-Cornsweet effect."

Supports High-definition Processing of Both Digital and Analogue Inputs
10-bit high-definition signal processing is possible with all digital and analogue inputs. An image can be projected with an excellent contrast of 1024 gradations and over 1 billion colours in 4K images.

4K Ready
The New PA series supports HDR10 and BT.2020 signals for various 4K content (including next generation “Ultra HD Blu-ray” and “4K TV broadcasting”).

The World’s First Filter-free LCD Projector*
We provided effective cooling by adding NEC’s unique jet impingement cooling method and finally realised the world’s first filter-free LCD projector. Our new laser-based LCD projector takes low-maintenance operation to a new level. No required filter cleaning means a better TCO.

NEC’s unique optical layout delivers high-reliability and responsiveness. Unlike with ordinary light sources, the brightness can be adjusted from 25 to 100% in 1% increments. When “CONSTANT BRIGHTNESS” mode is selected, sensors inside the projector detect and automatically adjust the output, thereby maintaining constant brightness throughout the life of the light module. If the brightness output is set at the maximum, the brightness will decrease with use.

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Highly Flexible Installation Options with 360° Positioning in any Direction.
This projector can be installed universally at any angle. Tilt-free, roll-free and portrait installations are supported. The projector can be rotated freely (360°) to point up or down depending on the installation requirements and can be rotated and installed on its side to create a portrait image.

A High-definition Design to Meet the Era of High-resolution Content and Devices

“SweetVision” newly supports 4K 60 Hz input signals and has been upgraded to support HDR10 and Rec.2020 signal inputs. It offers a “SweetVision” newly supports 4K 60 Hz input signals and has been upgraded to support HDR10 and Rec.2020 signal inputs. It offers a

NECs Unique High-definition Functionality with the 4th Generation of “SweetVision” for 4K Content
“SweetVision” newly supports 4K 60 Hz input signals and has been upgraded to support HDR10 and Rec.2020 signal inputs. It offers a high-definition image by raising the contrast in the boundary parts of an image by using the “Craig-O’Brien-Corssweat effect”.

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4K Ready
The New PA series supports HDR10 and BT.2020 signals for various 4K content (including next generation “Ultra HD Blu-ray” and “4K TV broadcasting”).

Reduced Maintenance Through a High-efficiency Design with the World’s First Filter-free LCD Projector*

The World’s First Filter-free LCD Projector
NEC uses a sealed calculative-cooling system for LCD panel cooling. Sections important for optical performance (optical engine, optical unit, and LCD panel cooling unit) are sealed to provide outstanding dust proofing. Designed with minimal maintenance in mind, the new projector also boasts a fully-sealed optical engine, allowing brightness levels to remain high and consistent without risk of dust-based ingress and image degradation.

An Energy-saving Design for Low Power Consumption
When the on-screen menu’s standby mode is set to “NORMAL”, power consumption in standby mode using power management is 0.15 W (100 – 130 V AC) / 0.21 W (200 – 240 V AC) and it is 0.11 W (100 – 130 V AC) / 0.16 W (200 – 240 V AC) when the LAN function is off. The projector is equipped with a “LIGHT MODE” to reduce power consumption during use. Furthermore, when the [ECO1], [ECO2] or [LONG LIFE] option is on, the power-saving effect is converted into the amount of reduction of CO₂ emissions, and this amount is listed in the control panel message displayed when the power is turned off and under [INFORMATION] on the on-screen menu (Carbon Meter).

The Brightness can be Adjusted Over a Wide Range
NEC’s unique optical layout delivers high-reliability and responsive-ness. Unlike with ordinary light sources, the brightness can be adjusted from 25 to 100% in 1% increments. When “CONSTANT BRIGHTNESS” mode is selected, sensors inside the projector detect and automatically adjust the output, thereby maintaining constant brightness throughout the life of the light module. If the brightness output is set at the maximum, the brightness will decrease with use.

Multiple Input Terminals for HDMI and DisplayPort and Input and Output Terminals for HDBaseT

The SSL Projector Available with Built-in HDBaseT (IN/OUT) Support*
Simplify your installations with NECs SSL Projector. The projector is optimized for video applications and supports uncompressed UHD digital video, audio, Ethernet, power and control signals. With only a single cable (up to 100 m) to run, infrastructure and labour 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.

Other Useful Functions and Features
• Cornerstone
• Geometric correction to project an image on more non-standard surfaces
• Blackening correction to boost image brightness
• Centre lens design for easy setup
• Lens memory
• Seamless switch function for smoother screen changes when switching the signal
• Network control
• USB Port Administrator
• PC control
• Alert mail
• CRESTRON ROOMVIEW
• AMX BEACON
• PJLink
• HTTP server (projector adjustment)

* According to our research as of March 2017.
Specifications

Optional Lens specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>MP-PA805UL</th>
<th>MP-PA655UL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Projector</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Light output*3 *4 *5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scan rate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Audio input</td>
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<tr>
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<tr>
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<tr>
<td>Recordable*2</td>
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<tr>
<td>Duration</td>
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<tr>
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<tr>
<td>Dimensions</td>
<td></td>
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<tr>
<td>Power supply</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Usage environment</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remote control

Options

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https://www.nec-display.co.jp/app/...