Powerful 3-chip 1.38" DLP installation projectors with the latest RB laser light source supports new, demanding projection conditions and achieve a high brightness of 40,000 centre lumens*, a high resolution and a wide colour gamut.

**Dust Proof / Smoke Proof Optical Unit**

The optical engine and laser light source unit have been designed to be completely sealed. This prevents microscopic particles like smoke from intruding into the sealed optical unit and adhering to the optical components, which provides high reliability.

**High Brightness by NEC’s Unique Light Source Design**

Employing a highly heat-resistant phosphor wheel and highly reliable phosphor material, the projectors bring hassle free operation without light source replacement for up to 20,000 hours*. In addition, NEC’s unique light source design (RB Laser) achieves a high brightness of 40,000 center lumens** and a wide colour gamut at the same time.

*Time at which the laser light source is at half brightness; not a guarantee time. ** PH3501QL

**The Wide Colour Gamut that covers DCI-P3**

The red and blue laser sources and green phosphor create the three primary colours. Thanks to this technology, the projector can output the DCI-P3 colour space without any filter to increase chromatic purity. In NEC’s unique laser-beam source layout, the high brightness and the wide colour gamut are compatible. It encompasses the colour gamut of ITU-R BT.709 and DCI-P3, which expands the possibilities of the picture production through the overwhelming colour gamut.

**PH3501QL / PH2601QL Laser Projector**

High Brightness, High Resolution and Wide Colour Gamut

**High Brightness by NEC’s Unique Light Source Design**

Employing a highly heat-resistant phosphor wheel and highly reliable phosphor material, the projectors bring hassle free operation without light source replacement for up to 20,000 hours*. In addition, NEC’s unique light source design (RB Laser) achieves a high brightness of 40,000 center lumens** and a wide colour gamut at the same time.

*Time at which the laser light source is at half brightness; not a guarantee time. ** PH3501QL

**The Wide Colour Gamut that covers DCI-P3**

The red and blue laser sources and green phosphor create the three primary colours. Thanks to this technology, the projector can output the DCI-P3 colour space without any filter to increase chromatic purity. In NEC’s unique laser-beam source layout, the high brightness and the wide colour gamut are compatible. It encompasses the colour gamut of ITU-R BT.709 and DCI-P3, which expands the possibilities of the picture production through the overwhelming colour gamut.

**High Resolution of True 4K**

The projectors employ a 1.38" True 4K (4,096 x 2,160) DLP chip that faithfully reproduces the input video by using a massive number of pixels to display 4K video dot-by-dot.

**Dust Proof / Smoke Proof Optical Unit**

The optical engine and laser light source unit have been designed to be completely sealed. This prevents microscopic particles like smoke from intruding into the sealed optical unit and adhering to the optical components, which provides high reliability.

**Cinema Quality Picture**

NEC’s unique video processor, which was developed with technology that was fostered in development of the Digital Cinema Projector and image processing knowledge that was accumulated over the long-term, brings excellent picture quality through rich gradation expression and high-definition through advanced video processing technology.
PH3501QL / PH2601QL Laser Projector

Other Features
- Mechanical shutter to protect DMD and optical parts
- Easy of lift
- Metal Filter - No replacement required
- ITU-R BT.2020-compatible support through emulation mode and HDR support
- Rich 4K applicable interface and OPS slot option for expandability
- Advanced colour calibration appropriate for the installation environment
- User-generated 4K logo images can be registered
- Widest application support – portrait mode projection, 360 degree free tilt installation, and unique geometric adjustment offers unrivaled installation capability
- Picture by picture function

Specifications

Model | NP-PH3501QL | NP-PH2601QL
--- | --- | ---
Method | Reflection | Reflection
Specifications of main parts | Main panel | Sub panel
Proper ratio | 1.38:1, aspect ratio: 17:9 / 8.874:36:3 (2.090 dots x 2.250 lines)
Projection lenses | Short Focal Length
Power source | 200-240 V AC, 50 / 60 Hz
Image light source | Red & Blue: Laser diode / Green: Phosphor
Illumination | 20,000 hours (50% brightness)*2 / 20,000 hours (100% brightness)*2
Brightness*1 | 40,000 centre lumens*1 (100% brightness) / 30,000 centre lumens (50% brightness)
Contrast ratio (White/Black) | 30:1 with dynamic contrast
Quietness | PAN: 45 DB, TIL: 45 DB
Input | PC control terminal (D-Sub 15P) / 100BASE-TX / LAN port (RJ-45)
Audio signal transmission | Ethernet HDBase T
Usage environment | Operating temperature: 5 to 40°C
User-generated 4K logo images can be registered | Storage temperature: -10 to 50°C
Widest application support – portrait mode projection | Storage humidity: 10 to 85% (Non-Condensation)
360 degree free tilt installation, and unique geometric adjustment offers unrivaled installation capability | Operating altitude: 0 to 2,000 m
Remote control | Power supply: 200-240 V AC, 50 / 60 Hz
Convenience | Power consumption with NP-LV01BD: 4.7W (Normal), 3.665 W (Standby mode)
Dimensions | Weight: 8.9 kg (Not including lens and NP-LV01BD)

Cabinet dimensions

<table>
<thead>
<tr>
<th>Part</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>1079</td>
</tr>
<tr>
<td>Width</td>
<td>749</td>
</tr>
<tr>
<td>Height</td>
<td>219</td>
</tr>
</tbody>
</table>

Remote control

Options

Cabinet dimensions

<table>
<thead>
<tr>
<th>Part</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>1079</td>
</tr>
<tr>
<td>Width</td>
<td>749</td>
</tr>
<tr>
<td>Height</td>
<td>219</td>
</tr>
</tbody>
</table>

Other details:
- LK2-10F1
- LK2-30ZM
- LK4-11ZM
- LK4-43ZM1
- LK4-15ZM
- LK4-52ZM1
- LK2-20ZM

---

Cinema Quality Picture: The logo is a trademark or registered trademark of NEC Display Solutions, Ltd. in Japan, in the United States and other countries. The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.

DisplayPort, DisplayPort logo and VESA are trademarks owned by the Video Electronics Standards Association in the United States and other countries.

The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.

Cinema Quality Picture logo is a trademark or registered trademark of NEC Display Solutions, Ltd. in Japan, in the United States and other countries.

DLP and the DLP logo are trademarks of Texas Instruments in the United States and other countries.

©2018 NEC Display Solutions, Ltd.

Note: These specifications may be changed without notice.

NEC Display Solutions, Ltd.
4-28, Mita 1-chome, Minato-ku, Tokyo 108-0073, Japan

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

Cat. No. WDPJ-1802-0012NF