### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>PH1400U</th>
<th>PH1000U</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lamp life*3</td>
<td>3000 H</td>
<td>2500 H</td>
</tr>
<tr>
<td>Lamp (Eco mode on / Eco mode off)</td>
<td>NP26ZL, NP27ZL, NP28ZL, NP29ZL, NP32ZL</td>
<td>NP26ZL, NP27ZL, NP32ZL</td>
</tr>
<tr>
<td>Lens specifications</td>
<td>NP01FT</td>
<td>NP01FT</td>
</tr>
<tr>
<td>Option Lens</td>
<td>NP02FL</td>
<td>NP02FL</td>
</tr>
<tr>
<td>Lens Type</td>
<td>Zoom Lens</td>
<td>Zoom Lens</td>
</tr>
<tr>
<td>Zoom (W/H)</td>
<td>1.0-4.0 V.</td>
<td>1.0-4.0 V.</td>
</tr>
<tr>
<td>Focus (W/H)</td>
<td>1.0-2.0 V.</td>
<td>1.0-2.0 V.</td>
</tr>
<tr>
<td>Power consumption</td>
<td>300W (705 W)</td>
<td>300W (705 W)</td>
</tr>
<tr>
<td>Input current</td>
<td>11.2 A</td>
<td>6.8 A</td>
</tr>
<tr>
<td>Operational temperatures</td>
<td>0 - 40 °C</td>
<td>0 - 40 °C</td>
</tr>
<tr>
<td>Humidity</td>
<td>20 - 80 %</td>
<td>20 - 80 %</td>
</tr>
<tr>
<td>Power-saving</td>
<td>Manual Approx. ±30 degrees Max</td>
<td>Manual Approx. ±30 degrees Max</td>
</tr>
<tr>
<td>Lens shift range</td>
<td>Manual ±0.2 H</td>
<td>Manual ±0.2 H</td>
</tr>
<tr>
<td>Image size (Projection distance)</td>
<td>0.67 : 1</td>
<td>0.67 : 1</td>
</tr>
<tr>
<td>Weight</td>
<td>6.0 kg</td>
<td>6.0 kg</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>368 x 483 x 238 mm</td>
<td>368 x 483 x 238 mm</td>
</tr>
</tbody>
</table>

### Remote control

- **Remote control**

### Lens shift range

- **Remote control**

### Installation Projector

**PH1400U / PH1000U**

- **Remote control**

### Throw Distance and Screen Size (Aspect ratio 16:10)

- **Remote control**

### Lens specifications

- **Remote control**

### Regulations

- **Remote control**

### Options

- **Remote control**

### Cabinet dimensions

- **Remote control**

### Product images

- **Remote control**

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*1: Effective pixels are more than 99.99%.

*2: Lamp life*3 (Eco mode on / Eco mode off)

*3: Lamp life is defined as the average time span for the brightness of the lamp to be reduced by half. It does not refer to the warranty period for the lamp.

*4: Lamp life is the average time span for the brightness of the lamp to be reduced by half. It does not refer to the warranty period for the lamp.

*5: Compliance with ISO21118-2005

All specifications are subject to change without notice.

http://www.nec-display.com/ap/
Installation model meets the requirement for large screens in exhibitions and large venues with easily adjustable stacking function as well as high brightness and high image quality.

**Achieves High Brightness and High Image Quality**

- **Projection of large images with a high brightness of 13500 lumens**
  - When you need higher brightness, up to 54000 lumens can be achieved by stacking projectors and using multi screen bar.

- **Cinema quality video using Hollywood Quality Video processing**
  - HD-like vivid and crisp DVD images can be projected through Hollywood Quality Video which excels at following points and enrich your cinematic experience.
    - Random and Mosquito Noise Reduction
    - Video and Film Cadence Detection (3:2 and 2:2 pull down)
    - Per-pixel Motion Adaptive De-interlacing
    - Detail Enhancement
    - Full 10bit Processing, Scaling and Warping
    - 3:2 Pull-down Detection
    - Diagonal Interpolation to remove “jaggies”

- **3-chip DLP system for high image quality**
  - To produce high quality images, a 3 chip DLP system is used. This system produces lifelike image tones. The rich colour gradation reproduces the initial picture quality.
  - WUXGA (1920×1200) panel compatible with full HD displays
  - Utilises a high resolution WUXGA panel that enables the reproduction of even high-quality full HD content in its original beauty.

**New installation features**

- **Supports dual layers stacking**
  - Stacking to two layers can be facilitated by using the supplied columns. In this case, 27000 lumens of high brightness projection is available.

- **Lens memory function can adjust image to a preset memorized position using the inbuilt signal table even if the signal input changes**

- **Seamless switching**
  - When the input is switched, the image displayed before switching is held so that you can see smooth image changing without black image.

- **Geometric correction**
  - This feature adjusts the image when projecting onto specially shaped screen as below to expand your installation options.

**Multi screen function allowing near seamless joins between screens**

There are two methods to do this. One method involves no limit on the number of the projectors that can be used and that there is no limit to the display resolution. Manual edge blending is a standard function of the projector.

Another method, easy installation than the first method can also be used. It uses the detection of image distortion by use of a web camera and software, whereby the software will automatically perform the distortion correction.

**Expandability for future-proofing your investment**

- **Professional 3D capability**
  - The projector provides 3D images to users wearing commercially available LCD shutter eyeglasses.
  - *Only for PH1400U. The input signal is 1920 x 1080 at 120Hz Left and Right eye interlacing (frame sequential method)*

- **NVIDIA®3D Vision™ Pro supported**
  - The projector allows you to view 3D images by using with supported graphics board or software.
  - *Only for PH1400U.

- **OPS-compliant SBCs and HD/SD-SDI board supported**

**Terminals (The panel is illuminated by LEDs)**

<table>
<thead>
<tr>
<th>Terminals</th>
<th>Controls</th>
</tr>
</thead>
<tbody>
<tr>
<td>DisplayPort IN</td>
<td>HDMI IN</td>
</tr>
<tr>
<td>USB Port</td>
<td>Optional Slot</td>
</tr>
<tr>
<td>Optional Port</td>
<td>Terminals</td>
</tr>
<tr>
<td>PRODUCTIVE CONNECTOR PANEL</td>
<td>Controls</td>
</tr>
</tbody>
</table>

**PH1400U**

- **13500 ANSI lumens**
- **WUXGA**
- **39.5 kg (not including lens)**

**PH1000U**

- **11000 ANSI lumens**
- **WUXGA**
- **39.5 kg (not including lens)**