Installation Projector

Compact, 20,000-lumen, 1-chip DLP laser projector
RB laser with red boost for vivid colour performance

PX2000UL
With attractive performance and low maintenance, this single-chip, 20,000-lumen laser projector delivers large venue projection at near 3-chip imaging performance.

### Outstanding Picture through Advanced Laser Technology

<table>
<thead>
<tr>
<th>Vivid Colour Performance</th>
<th>No More Lamp Replacements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Producing richly intense colours far beyond that previously possible with 1-chip DLP technology through additional red laser technology, the PX2000UL achieves a wide colour spectrum covering the REC709 standard with unsurpassed brightness for the ultimate experience.</td>
<td>Up to 20,000 hours* of maintenance-free operation is possible due to the laser light source while enjoying a Lower TCO. This projector has the ability to control brightness, creating a stable image over longer time periods.</td>
</tr>
</tbody>
</table>

* Actual hours may vary depending on usage conditions.

### Advanced Installation Capabilities

<table>
<thead>
<tr>
<th>360° Positioning in Any Direction</th>
<th>Geometric Correction</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
<td>Projection is not confined to a standard flat screen or wall. Geometric correction allows this model to project an image on spheres, cylinders, and many more non-standard surfaces.</td>
</tr>
</tbody>
</table>

### Dust-proof due to the Cycle Cooling System

PX2000UL has a dust-proof design to prevent the staining of optical components from the ingress of dust and the deterioration of brightness and image quality.

### Edge Blending Function

The function seamlessly blends multiple projected images to display a single high-resolution image.

### Stacking Correction

The feature allows the projectors to boost an image's brightness up to 80,000 lumens (centre), 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.
Optional Lenses and Lens Shift

Enjoy greater installation flexibility with a complete line of motorized optional lenses (5).
Lens throw distances range from 1 m to 74 m. Wide vertical and horizontal lens shift (50% or 45% vertically and 15% horizontally) is available.

<table>
<thead>
<tr>
<th>Lens Type</th>
<th>Zoom Lens (Short)</th>
<th>Zoom Lens (Standard)</th>
<th>Zoom Lens (Long)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>NP45ZL</td>
<td>Zoom Lens (Short)</td>
<td>Zoom Lens (Standard)</td>
<td>Zoom Lens (Long)</td>
<td>2.7 kg</td>
</tr>
<tr>
<td>NP46ZL</td>
<td>Zoom Lens (Standard)</td>
<td>Zoom Lens (Long)</td>
<td>2.0 kg</td>
<td></td>
</tr>
<tr>
<td>NP47ZL</td>
<td>Zoom Lens (Long)</td>
<td>2.0 kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NP48ZL</td>
<td>1.3</td>
<td>0.9 to 1.21 : 1</td>
<td>50 to 500 inches</td>
<td>18,400 lumens</td>
</tr>
<tr>
<td>NP49ZL</td>
<td>Motorized</td>
<td>1.3</td>
<td>1.2 to 1.58 : 1</td>
<td>40 to 500 inches</td>
</tr>
<tr>
<td>NP46ZL</td>
<td>1.33</td>
<td>1.49 to 2.0 : 1</td>
<td>40 to 500 inches</td>
<td>19,000 lumens</td>
</tr>
<tr>
<td>NP47ZL</td>
<td>1.33</td>
<td>2.0 to 3.93 : 1</td>
<td>50 to 500 inches</td>
<td>18,400 lumens</td>
</tr>
<tr>
<td>NP48ZL</td>
<td>2.0</td>
<td>4.0 to 6.98 : 1</td>
<td>50 to 500 inches</td>
<td>18,400 lumens</td>
</tr>
</tbody>
</table>

*1: Mechanically adjustable range
*2: [PRESET] mode is [HIGH-BRIGHT] and [LIGHT MODE] is [BOOST].

Compatible with Diverse Signal Sources

Equipped with a wide range of inputs, such as HDMI®× 2, DisplayPort™, HDBaseT™, SDI, Computer, DVI-D, and BNC terminals.

Supports HDMI 3D format

Watch videos in 3D using commercially-available 3D emitters that support XPAND 3D and active shutter-type 3D eyewear. Also compatible with 3D images in the DLP® Link format.

HDBaseT Support

Simplify your installations with HDBaseT, which is optimized for video applications and supports uncompressed full HD digital video, audio, Ethernet, power and various control signals.

Terminals

Other Useful Functions and Features

- Eco mode and light source power adjustment
- Centre lens design for easy setup
- Remote control ID
- Direct power on/off, auto power on/off

Network Control

- NaViSet Administrator 2
- CRESTRON ROOMVIEW
- AMX BEACON
- PJLink
- HTTP server (projector adjustment)

PX2000UL

19,000 lm
20,000 lm (Centre)
WUXGA
51 kg

Brightness using PX2000UL with NP47ZL.
Weight does not include lens.
### Specifications

**Model**: NP-PX2000UL

#### Projector Type
1-chip DMD reflection type

#### Main panel specifications
- **Lens model name**: 1
- **Lens specifications**: 1

#### Projection lens
- **Throw/focus**: Motorized
- **Lens shift**: Refer to lens specifications
- **Light source (laser diode)**: Blue laser diode / Red laser diode
- **Light source (laser diode) life**: 20,000 hours
- **Optical unit (DLP)**: Colour separation by colour wheel, time multiplexing colour wheel method

#### Light output
- **Boost mode**: 15,000 lumens / 15,000 lumens (centre)
- **Normal mode**: 10,000 lumens / 10,000 lumens (centre)

#### Contrast ratio
- **Normal mode**: 10,000:1 with dynamic contrast

#### Screen size
- **Screen size**: Please refer to the specifications of option lens

#### Colour reproduction
- **10-bit signal processing (approx. 1.07 billion colours)**

#### Quantities (ECO mode / ECO mode off)
- **300”**: 4.0-5.3 (4:3) / 5.4-7.6 (16:10)
- **250”**: 3.6-4.8 (4:3) / 4.9-6.9 (16:10)
- **200”**: 3.0-4.0 (4:3) / 4.4-6.5 (16:10)
- **150”**: 2.3-3.2 (4:3) / 3.5-5.4 (16:10)
- **120”**: 1.8-2.7 (4:3) / 2.9-4.7 (16:10)
- **100”**: 1.4-2.1 (4:3) / 2.2-4.1 (16:10)
- **70”**: 1.1-1.8 (4:3) / 1.9-3.2 (16:10)
- **50”**: 0.9-1.4 (4:3) / 1.4-2.7 (16:10)

#### Dimensions (W x H x D)
- **NP-PX2000UL**: 540 × 315 × 118 mm (not including protruding parts)

#### Weight
- **51kg (not including lens)**

#### Power consumption
- **Power consumption**: 1,464 W (STANDBY: 0.4 W)
- **Weight**: 530 kg (not including lens)

#### Power requirement
- **Power requirement**: 200 - 240 V AC, 50/60 Hz

#### Operating temperature
- **Operating temperature**: 5 to 40°C, operating humidity: 0 to 80% (with no condensation)

#### Storage temperature
- **Storage temperature**: –10 to 60°C, storage humidity: 0 to 80% (with no condensation)

#### Operating altitude
- **Operating altitude**: 0 to 4,200 m

#### Humidity
- **Humidity**: 5% to 95% (without condensation)

#### Dimensions (W x H x D)
- **Screen size**: 0.96 inch DMD (aspect ratio: 16:10)

#### Cabinet dimensions

#### Options

**Lenses**
- **NP45ZL (Throw ratio 0.9 - 1.2)**
- **NP46ZL (Throw ratio 1.2 - 1.5)**
- **NP47ZL (Throw ratio 1.5 - 2.0)**
- **NP48ZL (Throw ratio 2.0 - 4.0)**
- **NP49ZL (Throw ratio 4.0 - 7.0)**

#### Remote control

#### Usage environment
- **Input signals**: SMPTE259M, SMPTE292M, SMPTE424M

#### Colorimetry
- **Colorimetry**: RGB, YCbCr444, YCbCr422, YCbCr420, REC709, REC601

#### Supports HDCP
- **Supports HDCP**: 5

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