P506QL
Bringing big screen 4K UHD into the mainstream
Taking 4K laser projection into new frontiers with a unique combination of brightness and function.

**Powerful Performance**

- Native 4K UHD (3840 x 2160) resolution produces stunning images with incredible detail
- After startup images appear immediately with breakthrough laser technology
- Advanced laser technology delivers a reliable, maintenance free light source for 20,000 hours
- Integrated software support for Crestron Roomview, AMX Beacon, PJ Link control systems

**4K UHD Resolution**

- Utilizing the latest DMD chip from Texas Instruments with pixel shift capabilities resulting in an unsurpassed viewable resolution of 8.3 million pixels
- Viewable resolution matches standard 4K UHD LCD displays providing consistency when developing content for your presentations

**Advanced Connectivity**
More Flexible Installations

- Lens shift capabilities make alignment easy: (H = +/- 20% / V = +/-60)
- Tilt-free installation capabilities make these projectors ideal for almost any install environment, including portrait orientation

Built-In HDBaseT Support

Simplify your installations with HDBaseT. Optimized for video applications and supporting uncompressed digital video, audio, ethernet 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.

Advanced Installation Features

**Lens Shift**

Lens shift provides greater flexibility when determining install location.

**Tilt-free**

The projector can be rotated freely (360°) to orient the image depending on the installation requirements.

**Portrait mode**

Allows the projector to be rotated (and screen if necessary) to a vertical alignment so that portrait content can be viewed without black bars on the side when landscape mode is used.
**NEC P506QL Specifications**

### UNIQUE FEATURES

- **Advanced AccuBlend™** ensures detailed images when non-native resolution sources are connected to the projector.
- **AutoSense™** automatically syncs with any computer signal and features one-touch image optimization.
- **Discrete source keys** for source selection.
- **Remote diagnostics** enable the user to monitor and make adjustments to the projector remotely.
- **Built-in HTTP page** for control and monitoring over a LAN network.

**Email notification of error messages or lamp end-of-life can be sent to remote locations.**

### WARRANTY

Registered owners receive a five (5) years or 20,000 hours (whichever comes first) parts and labor warranty including InstaCare next business day exchange.

### SHIPS WITH

Remote control, batteries, power cord, user’s manual on CD-ROM, quick start guide, product registration card.

### ACCESSORIES

- **PML00CM** Ceiling mount
- **RMT-PJ39** Replacement remote control
- **PWRCRD-PJPX** Power cable

### ORDERING MODEL NUMBERS

NP-P506QL

### Display Technology

- **P506QL** (0.47" DMD)

### Light Output (lumens)

<table>
<thead>
<tr>
<th>Mode</th>
<th>Lumens</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center</td>
<td>5200</td>
</tr>
<tr>
<td>ECO mode OFF</td>
<td>5000</td>
</tr>
<tr>
<td>ECO mode</td>
<td>3000</td>
</tr>
</tbody>
</table>

### Resolution

<table>
<thead>
<tr>
<th>Mode</th>
<th>Lumens</th>
</tr>
</thead>
<tbody>
<tr>
<td>Native</td>
<td>4K UHD (3840 x 2160)</td>
</tr>
<tr>
<td>ECO mode</td>
<td>Up to 4K 06Hz (3840x2160) for HDMI</td>
</tr>
</tbody>
</table>

### Contrast Ratio (up to)

500,000:1

### Laser Life (50%)

20,000 hours

### Screen Size (diagonal)

- 50 - 310 in. / 1.27 - 7.87m

### Projection Distance

- 5.2 - 26.2 ft. / 1.6 - 8m

### Projection Angle

- Vertical: 25.46° tele / 34.5° wide

### Lens

- Zoom: Manual
- Zoom Ratio: 1.5x
- Throw Ratio: 1.127 - 1.697:1
- Focus: Manual
- F-number, focal length: F=1.8~2.43 / f=12.1~18.1mm
- Shift: Manual (H = +/- 20% / V = +/- 60)

### Keystone Correction Vertical

Vertical

### Synchronization Range

- Horizontal: 15.73kHz ~ 153kHz (RGB: Hz, 24 ~ 100KHz)
- Vertical: 48 ~ 100, 120Hz

### SD/HD Video Signal Compatibility

4K UHD, 1080p, 1080i, 720p, 576p, 576i, 480p, 480i

### PC Signal Compatibility

VGA, SVGA, XGA, WXGA, Quad-VGA, SXGA, SXGA+, WUXGA+, UXGA, WUXGA+, HD, FHD

### Macintosh Compatibility

Yes

### Input Terminals

- RGB1 (analog) VGA 15-pin D-sub
- RGB2 (digital) HDMI w/ HDCP (v2.0)
- RGB3 (digital) HDMI w/ HDCP (v2.0)
- RGB4 (digital) HDBaseT
- Audio1 Stereo Mini Jack

### Output Terminals

- 3D Sync mini DIN 3-pin
- Audio Out Stereo Mini Jack
- Wired LAN port RJ45 (100Base-TX/10Base-T)

### USB

- Type A 5V/2.0A power
- Mini Service

### External Control

RS-232 (D-Sub 9pin), IR, RJ45

### Built-in Speaker

10W

### Power Requirements

100-240V AC, 50/60 Hz

### Input Current

6A

### Power Consumption (ECO Mode Off/ ECO Mode/ Network Standby/ Normal Standby)

- 580W / 330W / 2W / 0.5W

### Installation Orientation

Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear

### Product Dimensions (W x H x D)

- 18.9 x 6.8 x 15.7 in. (480 x 172 x 400 mm)

### Net Weight

25.4 lbs. (11.5 kg)

### Shipping Dimensions (W x H x D)

- 23.2 x 11.7 x 19.3 in. (590 x 297 x 490 mm)

### Gross Weight

32.0 lbs. (14.5 kg)

### Fan Noise

35dB (ECO mode Off), 32dB (ECO mode)

### Regulations


### Operating Temperature

41-104°F / 5-40°C

### Humidity

20-80% non-condensing

### Storage

14° ~ 122°F / -10° ~ 50°C

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