



Orchestrating a brighter world **NEC**

# P506QL

Bringing big screen 4K UHD into the mainstream

**4K**UHD



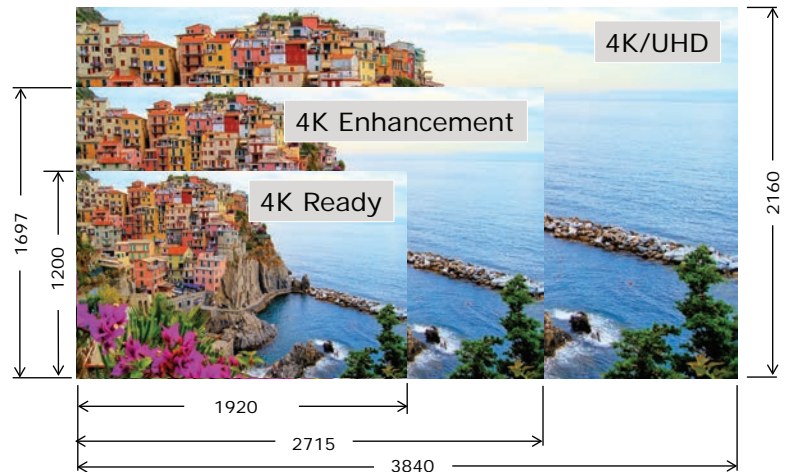
# Taking 4K laser projection into new frontiers with a unique combination of brightness and function.

## 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 8.3million 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

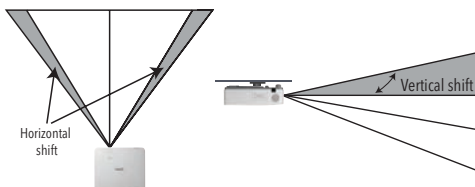
Simplify your installations with HDBaseT. Optimized for video applications and supporting uncompressed digital video, audio, ethernet and various control signals. With only a single cable (up to 100m) to run, infrastructure and labor costs are reduced, installations are significantly easier, and there is no cable clutter to manage.



## Advanced Installation Features

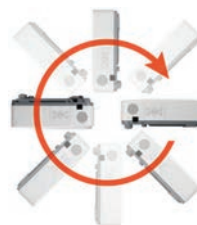
### Lens Shift

Lens shift provides greater flexibility when determining install location



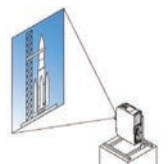
### Tilt-free

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.



## 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

**Discreet 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

PA600CM	Ceiling mount
RMT-PJ39	Replacement remote control
PWRCRD-PJPX	Power cable

## ORDERING MODEL NUMBERS

NP-P506QL



		P506QL
Display Technology		DLP (0.47" DMD)
Light Output (lumens)	Center	5200
	ECO mode OFF	5000
	ECO mode	3000
Resolution	Native	4K UHD (3840 x 2160)
	Maximum	Up to 4K@60Hz (3840x2160) for HDMI
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		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
Synchronization Range	Horizontal	15.734KHz ~ 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+, WXGA+, UXGA, WSXGA+, 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 (WxHxD)		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 (WxHxD)		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		UL60950-1:2nd edition,2014, UL62368-1:2nd Edition, UL62368-1:3rd Edition, FDA, FCC Part15 Subpart B(ANSI C63.4:2014), Proposition65, TPCH, CAN/CSA C22.2 No.62368-1-14,2nd Edition,2014, ICES-003 Issue6(ANSI C63.4:2014)
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](http://www.necdisplay.com) for details.



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