

laser
light source

Orchestrating a brighter world

NEC

Professional Installation Projectors

PH Series

4KUHD

NP-PH2601QL | NP-PH3501QL



Powerful 3-chip 1.38" DLP installation projectors with the latest RB laser light source supports new, demanding projection

Laser Light Module

- 20,000-plus hours of virtually maintenance-free operation
- High-brightness, lower power consumption enhances applications such as retail, digital signage and theme parks
- Ability to control brightness creating a stable image over longer time periods



Integrated and Powerful

- Project uncompressed FHD video with integrated HDBaseT
- High performance video processing/scaling creates life-like images
- Integrated software applications such as DisplayNote®, Crestron Roomview, AMX Beacon and PJ Link allow for complete interactivity and control

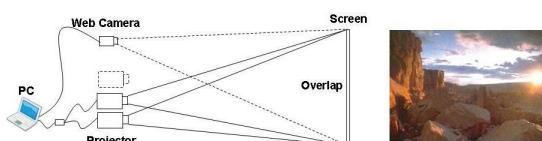


Flexible

- Enjoy greater installation flexibility with powered optional bayonet style lenses providing quick and easy exchanges. Lens throw distances range from 7.3 to 823.8 ft
- Tilt-free installation capabilities make these projector ideal for almost any install environment, including portrait orientation
- +/- 0.5% vertical lens shift and +/- 0.17% horizontal lens shift capabilities make alignment easy

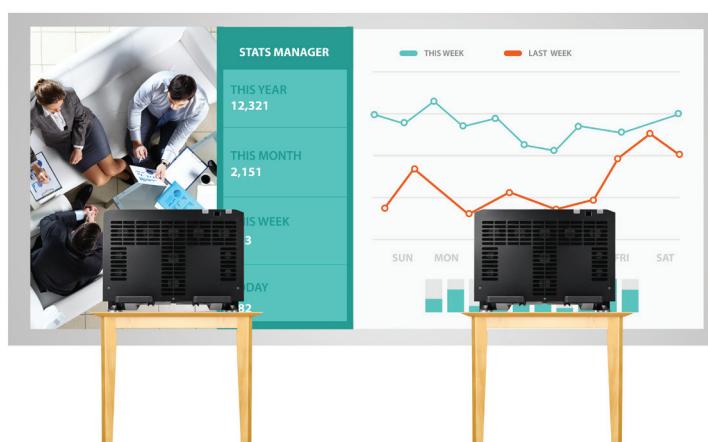
Stacking correction

The industry's first built-in stacking correction capabilities (up to two projectors) allows the projectors to boost an image's brightness up to 80,000 lumens, 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.



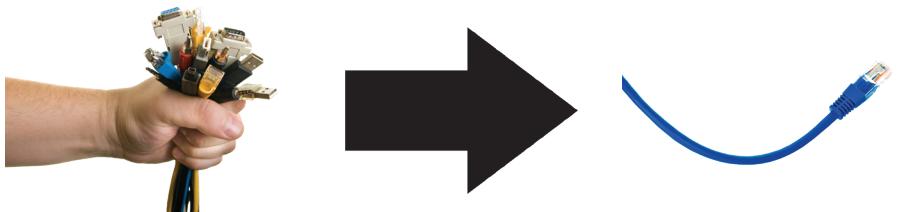
Edge blending

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



Built-In HDBaseT Support

Simplify your installations with HDBaseT. Optimized for video applications and supporting uncompressed full HD digital video, audio, ethernet, power 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. With uncompressed HD video support, images have never been more stunning. What's more, control signals are contained in the same cable.

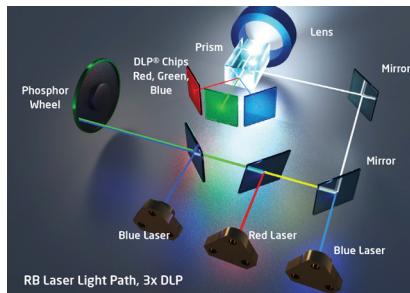


GET CONNECTED WITH A WIDE SELECTION OF INPUTS

- **Dual computer inputs** ensure quick switching between presentations

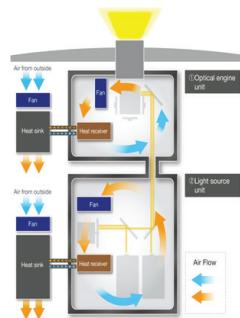
Laser Light Module

- 20,000-plus hours of virtually maintenance-free operation
- High-brightness, lower power consumption enhances applications such as retail, digital signage and theme parks
- Ability to control brightness creating a stable image over longer time periods
- Images appear immediately after power on due to instantaneous start up of the laser



Super Dust Protection

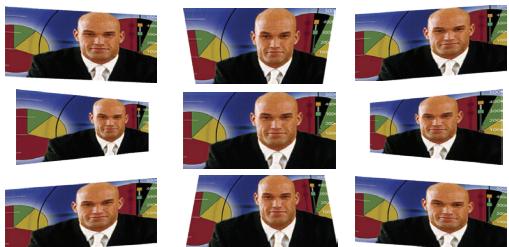
NEC's patented heat exchanger and the completely sealed optical engine offer continuously best performance in harsh Rental/Staging environment.



ADVANCED SOFTWARE FEATURES

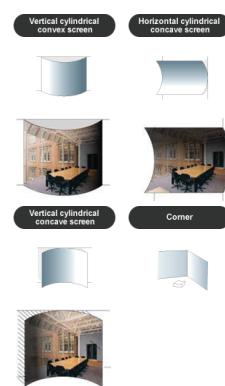
Cornerstone

Enhanced keystone correction allows for horizontal, vertical and diagonal image correction for aligned images even when the projector is set up at an angle to the screen.



Geometric Correction

Projecting an image isn't confined to a standard flat screen or wall with the NEC PH Series. Geometric correction allows these models to project an image on spheres, cylinders, corner angles and many more non-standard surfaces.



UNIQUE FEATURES

3D Reform™ allows you to square the image by adjusting horizontally, vertically or diagonally when the projector cannot be placed parallel or perpendicular to the screen

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

64-step image magnification with location control

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 the first year of InstaCare. InstaCare provides the original owner one year of either limited 3 business day repair/return or next business day exchange.

IN THE BOX

Remote control, batteries, power cord, user's manual on CD-ROM, quick start guide, Lens Hole Cap, warranty Sheet, Security Sticker, Service Door Key

ACCESSORIES

RMT-PJ35	Replacement remote control
NP01PW1	Power cable
RGBCBL-PJPX	RGB cable
Optional Lenses	NC-50LS12Z, NC-50LS14Z, NC-50LS16Z, NC-50LS18Z, NC-50LS20Z
SB-01HC	HD/SS-SDI input card
SB-04HC	3G/HD/SD-SDI input Card
XPAND	X105-RF-1 3D Glasses
XPAND	AD025-RF-X1 RF Emitter

ORDERING MODEL NUMBERS

NP-PH2601QL
NP-PH3501QL



		PH2601QL	PH3501QL
Display Technology		1.38" DC4K DMD chip	
Light Output (lumens)		30,000 Center Lumens, 26,000 ANSI	40,000 Center lumens, 35,000 ANSI
Resolution	Native	4K 4096 x 2160	
	Maximum	4K 4096 x 2160	
Contrast Ratio (up to)		30,000:1 with Dynamic Contrast	
Laser Life (up to)		20,000 hours	
Screen Size (diagonal)		50 to 500 in. / 1.27 to 12.7m	
Throw Ratio	L2K-10F1	0.93	
	L4K-11ZM	1.24 - 1.73	
	L4K-15ZM	1.52 - 2.10	
	L4K-20ZM	1.98 - 3.34	
	L2K-30ZM	2.71 - 3.92	
	L2K-43ZM1	3.91 - 5.52	
	L2K-55ZM1	5.00 - 7.80	
	Projection Distance	2.5 to 68.5 ft. / 0.74 to 20.9m	
Projection Angle	Zoom	Powered	
	L2K-10F1	Fixed	
	L4K-11ZM	1.4:1	
	L4K-15ZM	1.4:1	
	L4K-20ZM	1.7:1	
	L2K-30ZM	1.4:1	
	L2K-43ZM1	1.4:1	
	L2K-55ZM1	1.6:1	
	Focus	Powered	
	L2K-10F1	Power zoom / Power focus, F=2.5, f= 28.95mm, 15.0lbs. / 6.8kg	
Lens	L4K-11ZM	Power zoom / Power focus, F=2.5, f= 38.5 to 53.7mm, 19.0lbs. / 8.6kg	
	L4K-15ZM	Power zoom / Power focus, F=2.5, f= 47.5 to 65.6mm, 17.0lbs. / 7.7kg	
	L4K-20ZM	Power zoom / Power focus, F=2.5, f= 61.4 to 105.2mm, 19.6lbs. / 8.9kg	
	L2K-30ZM	Power zoom / Power focus, F=2.5, f= 85.0 to 121.6mm, 15.4lbs. / 7.0kg	
	L2K-43ZM1	Power zoom / Power focus, F=2.5, f= 122.8 to 172.3mm, 15.7lbs. / 7.1kg	
	L2K-55ZM1	Power zoom / Power focus, F=2.5, f= 156.5 to 243.1mm, 16.8lbs. / 7.6kg	
	Shift	Powered +/-0.27 Vertical, +/-0.08 Horizontal	
	L2K-10F1	Powered +/-0.17 Vertical, +/-0.50 Horizontal	
	L4K-11ZM	Powered +/-0.31 Vertical, +/-0.10 Horizontal	
	L4K-15ZM	Laser Shutter	
Keystone Correction	Horizontal	+/ -40° horizontal, +/- 40° vertical	
	Vertical	Analog: 15-100kHz, Digital: 24-153kHz	
	Refresh Rate for 4K Signal	Analog: 48-120Hz, Digital: 24-120Hz	
Synchronization Range	Supported Video Standards	23.98, 34, 25, 29.97, 30, 50, 59.94, 60Hz	NTSC, NTSC4.43, PAL, PAL-60, PAL-M, PAL-N, SECAM
	SD/HD Video Signal Compatibility	4K, 1080p, 1080i, 720p, 576p, 576i, 480p, 480i	
	PC Signal Compatibility	VGA, SVGA, XGA, SXGA, SXGA+, UXGA, WUXGA	
Input Terminals	Macintosh Compatibility	Yes	
	RGB1 (digital)	HDMI (V2.0) w/HDCP (V1.4/2.2) - 4096 x 2160 @ 60p, 12 bit 4:4:4	
	RGB2 (digital)	HDMI (V2.0) w/HDCP (V1.4/2.2) - 4096 x 2160 @ 60p, 12 bit 4:4:4	
	RGB3 (digital)	DisplayPort w/HDCP (V1.4) - 4096 x 2160 @ 60p, 12 bit 4:4:4	
	RGB4 (digital)	DisplayPort w/HDCP (V1.4) - 4096 x 2160 @ 60p, 12 bit 4:4:4	
	RGB5 (digital)	HDBaseT w/HDCP (V1.4/2.2) - 4096 x 2160 @ 60p, 8 bit 4:2:0	
	RGB6 (digital)	Quad 3G-SDI	
	Option Slot	OPS	
	Output Terminals	3D Sync Line	15 pin
	External Control	RS-232, IR, HDBaseT, DDC/CI, RJ-45, USB (USB 2.0), Stereo Mini	
Power Requirements	Sync Compatibility	Separate Sync / Composite Sync / Sync on G	
	Input Current	220 - 240V AC, 50/60Hz Single Phase	
	Power Consumption	3665W / 205W	4705W / 205W
	(ECO off/Standby)	Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear	
	Installation Orientation	27.4 x 46.5 x 17.9 in. / 697 x 1180 x 455mm	
	Dimensions (WxDxH)	372.6lbs. / 169 kg	317.6 lbs. / 144 kg
	Net Weight	55dB	
	Fan Noise	UL60950-1 (2nd) FCC Part15 Class A (Marking: UL)	
	Regulations	CSA60950-1 / ICES-003 Class A (Marking: CAN ICES-3(A)/NMB-38(A))	
	U.S.	EN60950-1/EN55022 Class A, EN55032 Class A, EN55024, EN61000-3-2/-3/-11/-3-12 (Marking CE)	
Laser Safety	USA	IEC60825-1 Edition3 2014 : Class1, IEC62471 2006 : RG3, FDA(21 CFR 1040.10 and 1040.11)	
	Others	IEC60825-1 Edition3 2014 : Class1, IEC62471 2006 : RG3	
Operating Temperature		41° - 104°F / 5° - 40°C	
	Humidity	20-80% non-condensing	
	Storage	14° - 122°F / -10° - 50°C	

* Lens does not ship with the projector.
Additional accessories are available, including screens, carts, mount accessories and replacement cables. Visit www.necdisplay.com for details.

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