

## NEC PH3501QL

Professional High-bright 3DLP Laser Installation Projector

# Datasheet

## Benefits

**Outstanding picture quality** – super-bright 40000 center lumen RB laser projection, with real 4K resolution and wide colour space, combined with an homogeneous and contrast-rich laser image quality ensures stunning presentations and impressions.

**Enjoy a Lower TCO** – highest reliability, maintenance free operation, low power consumption and up to 20000 hours life; the Laser light source results in a significantly lower total cost of ownership.

**Maximum installation flexibility** – the extra wide vertical +/- 50% and horizontal +/- 17% lens shift combined with a selection of wide zoom bayonet lenses guarantees a hassle-free installation and facilitates easy replacement of old projectors.

**Future-proof signal connectivity and processing** – numerous 4K resolution inputs such as Quad 3G SDI, 2 x DisplayPort, 2 x HDMI plus an optional slot for 4K/UHD OPS Slot-in PCs provide “pixel-free viewing” on a large scale.

**Widest application support** – portrait mode projection, 360 degree free tilt installation, unique geometric adjustment and 3D support offers unrivalled installation capability.

## Product Information

Product Name	NEC PH3501QL
Product Group	Professional High-bright 3DLP Laser Installation Projector
Order Code	60004622

## Image

Projection Technology	DC4K Chip - DLP™ Technology			
Native Resolution	4096 x 2160 (4K)			
Aspect Ratio	17:9			
Contrast Ratio	30000:1 (with dynamic contrast)			
Brightness	35000 Normal / 28000 Lumen Eco; 40000 Centre Lumen			
Lamp	Laser Light Source			
Light Source Life [hrs]	20000 <sup>1</sup>			
Lens	7 optional bayonet lenses			
Lense Adjustment	Motorized			
Lens shift	Up to H:±17, V:+50,-50			
Keystone correction	+/- 40° manual horizontal / +/- 40° manual vertical			
Projection Factor	depending on lens selection			
Projection Distance [m]	2 - 50			
Screen Size (diagonal) [cm] / [inch]	254 / 100" - 2,540 / 1,000"			
Zoom	Motorized			
Focus Adjustment	Motorized			
Supported Resolutions	1080i/50/60; 1080p/24/25/30/ 50/60; 1920 x 1200 (WUXGA);	2048 x 1080 (2K); 2560 x 1600 (WQXGA); 3840 x 2160 (UHD);	4096 x 2160 (4K); 480i/50; 480p/60; 576i/50;	576p/50; 640 x 480 (VGA); 720p/50/60

## Connectivity

Digital	Input: 1 x HDBaseT; 2 x DisplayPort; 2 x HDMI™ supporting HDCP; 4 x 3G-SDI
Control	Input: 1 x D-Sub 9 pin (RS-232), Ethernet
Option Slot	Input: 1 x Slot for optional OPS modules
LAN	1 x RJ45
USB	1 x Type A (USB 2.0 high speed)
Video Signals	NTSC; NTSC 4.43; PAL; PAL-M; PAL-N; PAL60; SECAM

## Remote Control

Input:	1 x 3.5 mm Stereo Mini Jack
Remote Control	Auto Adjust; AV Mute; Direct Info; Direct Source Select; Eco Mode Control; Freeze; Full Lense control; Geometric Correction; Help-function; ID Select; ID set; Input Control; Keystone Correction; On Screen On/Off Selection; PBP/POP Function; PIP Function; Power (On-OFF); Select (up, down, left, right); Shutter function; Test Picture; Zoom/Focus and Lens Shift Control

## Electrical

Power Supply	200-240 V AC; 50 - 60 Hz
Power Consumption [W]	4705 Normal Mode

## Mechanical

Dimensions (W x H x D) [mm]	697 x 455 x 1,180 (without lens and feet)
Weight [kg]	169
Fan Noise [dB (A)]	53 / 55 (Eco / Normal)
Colour Versions	Black

## Environmental Conditions

Operating Temperature [°C]	0 to 40
Operating Humidity [%]	10 to 85 non-condensing
Storage Temperature [°C]	-10 to 50
Storage Humidity [%]	10 to 85 non-condensing

## Ergonomics

Safety and Ergonomics	CE; ErP; RoHS; TÜV GS
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## Additional Features

Special Characteristics	3D ready; 4K/60Hz interfaces; Cinema Quality Picture (CQP) Processing for best image quality; Edge Blending Function; Free Tilt; Geometric Correction; HDBaseT; LAN; LAN control; Lens Shift (vertical 0.55 max/0.55 max, horizontal $\pm$ 0.22 max.); Light Source Adjustment; Portrait Setting; RS-232 Control; Test Pattern; Timer-Function
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## Green Features

Energy Efficiency	Laser light source
Ecological Standards	ErP compliant

## Warranty

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Projectors	3 years pan-European service
Light Source	3 years or 10000h (whatever comes first)

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## Optional Accessories

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Lenses	L2K-10F1 (0.9:1); L2K-30ZM (2.71-3.89:1); L2K-43ZM1 (3.7-5.3:1); L2K-55ZM1 (4.8-7.4:1); L4K-11ZM (1.24-1.72:1); L4K-15ZM (1.52-2.1:1); L4K-20ZM (1.98-3.4:1)
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<sup>1</sup> 50% of initial brightness at the end of specified laser life time at 25 degree ambient temperature.

\* This product has been equipped with a laser module and is classified as Class1 of IEC60825-1 Ed3 2014 and is classified as RG3 of IEC62471-5 Ed1 2015.

DO NOT LOOK DIRECTLY INTO THE BEAM.



ErP



CE



TüV GS



RoHS

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