NEC P506QL
Laser Projector

Datasheet





Perfect pixel-free 4K UHD presentations

This 4K UHD laser phosphor projector delivers cost effective semi-professional projection, ensuring 'pixel-free' visualisation with 5,000 ANSI lumens brightness.

Besides its impressive picture accuracy, the projector provides an appealing proposition with Risk Group 2 compliance, drastically reducing the installation and operation effort. As well as a low TCO with 20,000 hours hassle free operation, there is no need for filter replacement. The great diversity of interfaces, including HDBaseT and 2xHDMI ensures future-proof possibilities in visualization.

With it outstanding picture quality in 'pixel-free' resolution and its appealing and compact design, the NEC P506QL projector is perfectly suited for Corporate Presentations, Museums and Higher Education allowing organisations to deliver the best in class professional presentations.

Benefits

No lamp replacement – up to 20,000 h maintenance free operation possible due to Laser Light Source.

Risk Group 2 saves you installation and operation effort – because of the Risk Group 2 compliance, no prescribed safety precautions are necessary.

Professional and Flexible Installation – versatile projection characteristics allow for simple positioning of the projector, making installation easy and potentially saving set up costs.

Outstanding Picture Quality – a whole new visualisation experience with up to 4K input and HD 3D DLP-Link support

Setting the scene in perfect clarity – pixel-free resolution delivers large surface detail-rich information

Product Information

Product Name	NEC P506QL
Product Group	Laser Projector
Order Code	60004812

Image

Projection Technology	1-chip DLP™ Technology
Resolution	3840 x 2160 (4K UHD)
Aspect Ratio	16:9
Contrast Ratio [1]	500000:1
Brightness [1]	5000 ANSI Lumen
Lamp	Laser Light Source
Light Source Life [hrs]	20000 [2]
Lens	F= 1.8–2.43, f= 12.1–18.1 mm
Lens shift	H:±20, V:+60,-60
Keystone correction	+/- 0° manual horizontal / +/- 30° manual vertical
Projection Factor	1.13 – 1.7 : 1
Projection Distance [m]	1.6 – 8
Screen Size (diagonal) [cm] / [inch]	Maximum: 787 / 310"; Minimum: 127 / 50"
Zoom	Manual; x1.5
Focus Adjustment	Manual
Supported Resolutions	3840 x 2160 (Maximum resolution of digital input)

Connectivity

RGB (analog)	Input: 1 x Mini D-sub 15 pin
Digital	Input: 1 x HDBaseT; 2 x HDMI™ supporting HDCP
Audio	Input: 1 x 3.5 mm Stereo Mini Jack for Computer analog; 2 x HDMI audio Output: 1 x 3.5 mm Stereo Mini Jack (variable)
Control	Input: 1 x D-Sub 9 pin (RS-232) (male)
LAN	1 x RJ45
USB	1 x Type B (for Service); 1x Type A (USB 2.0 high speed) with 2.0A Power Supply
3D Sync	Output: 1 x Mini DIN 3pin
Video Signals	NTSC 3.58; NTSC 4.43; PAL; PAL-M; PAL-N; PAL60; SECAM

Remote Control

Remote Control	Aspect Ratio; Audio Control; Auto Adjust; Eco Mode Control; Freeze-function; Help-function; ID set; Keystone Correction; Magnify-function; Page (up, down); Picture Adjust; Picture Mute; Power (On-OFF); Presentation and Mouse Control; Select (up, down, left, right); Source Select

Electrical

Power Supply	100-240 V AC; 50 - 60 Hz
Power Consumption [W]	580 (Normal) / 330 (Eco) / 2 (Network Stand-by) / 0.5 (Stand-by)

Mechanical

Dimensions (W x H x D) [mm]	480 x 158 x 400 (without lens and feet)
Weight [kg]	11.5
Fan Noise [dB (A)]	32 / 35 (Eco / Normal)

Colour Versions	White

Environmental Conditions

Operating Temperature [°C]	5 to 40
Operating Humidity [%]	20 to 80
Storage Temperature [°C]	-10 to 50
Storage Humidity [%]	20 to 80

Ergonomics

Safety and Ergonomics	CE; EAC; ErP; RoHS; TUEV Type Approved; TüV GS
Speakers [W]	1 x 10 (mono)

Additional Features

Special Characteristics	3D ready; Auto Power ON/OFF; Carbon Savings Meter; Constant Brightness Mode; Control ID Function; DICOM simulation; Direct Power-Off Function; Free Tilt; HDBaseT; Help Function; HTTP Browser Control; Kensington security slot; Keypad Lock; Light Source Adjustment; Magnify; NaViSet Administrator 2; OSD with 30 languages; Password Security System; Portrait Setting; Quick Start; Source Select with Beep Function; Test Pattern; Unique Power Saving Functions; USB Viewer

Green Features

Ecological Materials	Downloadable manuals; ECO packaging
Ecological Standards	ErP compliant; RoHs compliant

Warranty

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

Shipping Content

Shipping Contents	2x AAA Batteries; IR Remote Control (477E); Mini D-SUB Signal Cable (1.8 m); Power Cord (1.8 m); Projector; Quick Setup Guide; Security Sticker; Users Manual; Utility software

Optional Accessories

Optional Accessories	Universal Ceiling Mounts (PJ01UCM, PJ02UCMPF)

[1] Compliance with ISO21118-2012

[2] 50% of initial brightness at the end of specified laser life time at 25 degree ambient temperature.

TUEV Type Approved

CE

ErP

RoHS

TüV GS

This product has been equipped with a laser module and is classified as Class1 of IEC60825-1 Ed3 2014 and is classified as RG2 of IEC62471-5 Ed1 2015.
DO NOT LOOK DIRECTLY INTO THE BEAM.

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