\Orchestrating a brighter world

P502HL-2
Laser Projector

Datasheet





The NEC P502HL-2 - The ultra-low maintenance projector for maximum versatility

With the NEC P502HL-2 you will enlighten your audience by delivering crisp image quality, even in challenging lighting conditions. Built upon laser light technology, it features an exceptional up to 20,000 hours maintenance free operation and revolutionizes the long life time of projectors by eliminating high lamp replacement costs for maximum reliability and little maintenance. Benefit from the integrated NEC MultiPresenter for wireless presenting functionality (optional USB WLAN adapter required) and enjoy quick connection via 4 digit pin enabling immediate wireless interaction with your audience.

With wide optical zoom, vertical/horizontal lens shift and state-of-the-art connectivity options like HDBaseT, the world's most compact 5000 ANSI Lumen Laser projector provides the possibility of using existing infrastructures, e.g. ceiling mounts and making sure that your investment is protected for the future. The NEC P502HL-2 is the ideal solution for auditoriums, large meeting rooms and classrooms, museum spaces and signage applications, projecting a screen size of up to 300".

Benefits

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

Wireless image sharing – thanks to powerful networking capabilities that allow multiple users to connect simultaneously, mirror an Android device with Miracast or simply share content using a web browser.

High reliability and low cost of ownership – thanks to 5000 ANSI lumen Laser Light Source for up to 20,000 h maintenance free operation.

Great connectivity – due to numerous analog and digital connection terminals incl. HDBaseT, 2 x HDMI with 3D support.

Free tilting and portrait mode projection – for creative installations in museum and signage applications.

Improved colour presentation – best colour reproduction, enjoy even more natural colours for true-to-life images.

Faster power off – the projector cools within just 10 seconds of switch off.

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

Product Information

Product Name	P502HL-2
Product Group	Laser Projector
Order Code	60004400

Image

Projection Technology	1-chip DLP™ Technology
Native Resolution	1920 x 1080 (Full HD)
Aspect Ratio	16:9
Contrast Ratio [1]	15000:1
Brightness [1]	5000 ANSI Lumen
Lamp	Laser Light Source
Lamp Life [hrs]	20000
Lens	F= 2–2.5, f= 18.2–31.1 mm
Lens shift	H:±0.25, V:+0.62,-0
Lens Offset [%]	0-62
Keystone correction	+/- 25° manual horizontal / +/- 30° manual vertical
Projection Factor	1.24 – 2.1 : 1
Projection Distance [m]	0.8 – 14.2
Screen Size (diagonal) [cm] / [inch]	Maximum: 762 / 300"; Minimum: 76.2 / 30"
Zoom	Manual; x1.7
Focus Adjustment	Manual
Supported Resolutions	1920x1200 (Maximum resolution of analog input); 1920 x 1080 (Maximum resolution of digital input)
Frequency	Horizontal: 15–100 kHz (RGB: 24 kHz); Vertical: 50 – 120 Hz

Connectivity

RGB (analog)	Input: 1 x Mini D-sub 15 pin Output: 1 x Mini D-sub 15 pin
Digital	Input: 1 x HDBaseT; 2 x HDMI™ supporting HDCP
Video	Input: 1 x RCA
Audio	Input: 1 x 3.5 mm Stereo Mini Jack for Computer analog; 1 x RCA Stereo for Video; 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; Optional WLAN
USB	1 x Type B (for Service); 2 x Type A (USB 2.0 high speed)
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]	442 (High Bright) / 347 (Eco) / 2 (Network Stand-by) / 0.3 (Stand-by)

Mechanical

Dimensions (W x H x D) [mm]	469 x 137 x 365 (without lens and feet)

Weight [kg]	8.8
Fan Noise [dB (A)]	31 / 39 (Eco / Normal)

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; ErP; RoHS; TUEV Type Approved
Speakers [W]	1 x 20 (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; Geometric correction by software; Help Function; HTTP Browser Control; Kensington security slot; Keypad Lock; Light Source Adjustment; Magnify; Manual Wall Color Correction; Miracast Connectivity; Mouse Control with USB Display; MultiPresenter Function; NaViSet Administrator 2; Off-Timer; Optional User Logo; OSD with 27 languages; Password Security System; Plug&Play W-LAN Option; Quick Start; Source Select with Beep Function; Test Pattern; Timer-Function; Unique Power Saving Functions; USB Display including Audio; USB Viewer; Virtual Remote for direct PC control

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	IR Remote Control (RD-472E); 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	Cable Cover (NP08CV); DLP-Link 3D Glasses (Volfoni-Fit); Free Wireless Image Utility App; Universal Ceiling Mounts (PJ01UCM); Wireless LAN module (NP05LM2; NP05LM4; NP05LM5); XpanD 3D Glasses (X105-RFX2); XpanD 3D RF Emitter (AD025-RF-X1)

[1] Compliance with ISO21118-2012

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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