

NEC 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".

Limited stock available please contact your reseller for more information!

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.

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

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

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

Product Information

| | |
|---------------|-----------------|
| Product Name | NEC 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 | 20000:1 |
| Brightness ¹ | 5000 ANSI Lumen |
| Lamp | Laser Light Source |
| Light Source Life [hrs] | 20000 ² |
| 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 | 1920 x 1080 (Maximum resolution of digital input); 1920x1200 (Maximum resolution of analog 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, PJ02UCMPF); Wireless LAN module (NP05LM2; NP05LM4; NP05LM5); XpanD 3D Glasses (X105-RFX2); XpanD 3D RF Emitter (AD025-RF-X1)

¹ Compliance with ISO21118-2012

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



CE



TUEV Type
Approved



ERP
COMPLIANT

ErP



RoHS

IEC62471-5 Ed1 2015.
DO NOT LOOK DIRECTLY INTO THE BEAM.

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