

NEC PV800UL
Laser Projector

Datasheet



Cost-effective LCD-based laser projector with interchangeable lenses

A highly economical projection solution, the PV800UL offers exceptional installation flexibility, low maintenance and long-life laser performance, yet remains impressively cost-efficient and conveniently compact.

3LCD technology generates brilliantly vivid colour, which, at 8000 Lm brightness, promotes an outstanding visual perception. A broad range of interchangeable lens options are available, alongside multiple professional adjustment features to ensure the perfect application-appropriate set-up.

The PV800UL offers the ideal upgrade path to transition to long-life, maintenance-free laser light source technology. Using the same mount and lenses as the lamp-based NEC PA Series projectors, operators can gain additional cost savings by utilising existing assets. For visualisation in large spaces, the PV800UL offers outstanding value for higher education, corporate, leisure and hospitality sectors.

Benefits

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

Get Great Performance – while not compromising on quality and ease of use.

Low Noise Level – with 33dB*, the silent technology will not disturb your meeting.

Impress with vivid colour & contrast – brilliant white and wide colour space with high dynamic contrast.

Product Information

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|---------------|-----------------|
| Product Name | NEC PV800UL |
| Product Group | Laser Projector |
| Order Code | NP-PV800UL-W |

Image

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|--------------------------------------|--|
| Projection Technology | 3LCD Technology |
| Native Resolution | 1920 x 1200 (WUXGA) |
| Aspect Ratio | 16:10 |
| Contrast Ratio ¹ | 3000000:1 |
| Brightness ¹ | 8000 Lm Normal / 8300 Lm Center / 7200 Lm Silent Mode |
| Lamp | Laser Light Source |
| Light Source Life [hrs] | 20000 ² |
| Lens | 5 manual lens options; 5 motorized lens options |
| Lense Adjustment | Motorized and manual (depending on lens) |
| Lens shift | H:±20, V:+10,-50 |
| Keystone correction | +/- 30° manual horizontal / +/- 30° manual vertical |
| Projection Factor | depending on lens selection (std. option NP13ZL at 1.46-2.95:1) |
| Projection Distance [m] | 0.7 – 50.9 |
| Screen Size (diagonal) [cm] / [inch] | Maximum: 1,270 / 500"; Minimum: 101.6 / 40" |
| Zoom | Motorized and manual (depending on lens) |
| Focus Adjustment | Motorized and manual (depending on lens) |
| Supported Resolutions | 1080i/50/60; 1280 x 768 (60); 3840 x 2160 (23.8/ 576p/50; 1080p/50/60; 1920 x 1200 (60); 24/25/29.97/30); 720p/60 480p/60; |
| Frequency | Horizontal: analog: 0-0 kHz, digital: 15/24-100 kHz; Vertical: 50 – 120 Hz |

Connectivity

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| Digital | Input: 1 x HDBaseT; 2 x HDMI™ supporting HDCP 1.4 |
| Audio | Input: 1 x HDBaseT audio support; 2 x HDMI audio support Output: 1 x 3.5 mm Stereo Mini Jack (variable) |
| Control | Input: 1 x 3.5 mm Stereo Mini Jack (Wired Remote); 1 x D-Sub 9 pin (RS-232), Ethernet |
| LAN | 1 x RJ45 |
| USB | 1 x Type A (USB 2.0 high speed) |

Remote Control

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|----------------|---|
| Input: | 1 x 3.5 mm Stereo Mini Jack |
| Remote Control | Audio Control; Digital Zoom; HDMI; ID Select; ID set; Keystone Correction; Picture Adjust; Picture Mute; Power (On-OFF); Select (up, down, left, right); Shutter function; Source Select; Test Picture; Zoom/Focus and Lens Shift Control |

Electrical

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| Power Supply | 100-240 V AC; 50 - 60 Hz |
| Power Consumption [W] | 467.0 Normal / 424.0 Silent Mode / 2.0 Network Stand-by / 0.5 Stand-by |

Mechanical

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|-----------------------------|---|
| Dimensions (W x H x D) [mm] | 407 x 499 x 164 (without lens and feet) |
| Weight [kg] | 11.2 |
| Fan Noise [dB (A)] | 42 / 32 (Normal / Silent) |

Environmental Conditions

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|----------------------------|-------------------------|
| Operating Temperature [°C] | 0 to 40 |
| Operating Humidity [%] | 20 to 80 non-condensing |
| Storage Temperature [°C] | -10 to 50 |
| Storage Humidity [%] | 20 to 80 non-condensing |

Ergonomics

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| Safety and Ergonomics | CE; EAC; ErP; RoHS; TUEV Type Approved |
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Additional Features

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| Special Characteristics | AMX Beacon; Crestron RoomView; DICOM simulation; Direct Power-Off Function; Free Tilt; HDBaseT; High Altitude Mode; HTTP Browser Control; Keystone Correction ($H=\pm 40^\circ$, $V=\pm 40^\circ$); LAN control; Lens Memory; Lens Shift (vertical +0.5 max/-0.1 max, horizontal ± 0.3 max.); Light Source Adjustment; Manual Wall Color Correction; NaViSet Administrator 2; Optional User Logo; OSD with 27 languages; Password Security System; PJ LINK; Portrait Setting; RS-232 Control; Test Pattern; Up to 20,000 hrs Light Source Life |
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Green Features

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| Energy Efficiency | ECO scheduler; Intelligent Power Management; Less than 0.3W Stand-By power; Longer Light Source Life; Software scheduling; Timer-Function |
| Ecological Materials | 100% recyclable packaging; Downloadable manuals |
| Ecological Standards | ErP compliant |

Warranty

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| Projectors | 5 year Australian warranty |
| Light Source | 5 years or 10000h (whatever comes first) |

Shipping Content

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| Shipping Contents | IR Remote Control (RD-480E); Power Cord; Projector; Quick Setup Guide |
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Optional Accessories

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| Optional Accessories | 10 optional bayonet lenses; Air Filter (NP-06FT); Cable Cover (NP10CV, NP10CV-B) |
| Lenses - motorized | NP40ZL (0.79-1.11:1); NP41ZL (1.3-3.02:1); NP43ZL (2.99-5.93:1); NP44ML (0.32:1); NP50ZL (0.6-0.75:1) |
| Lenses - manual | NP11FL (0.79:1); NP12ZL (1.16-1.52:1); NP13ZL (1.46-2.95:1); NP14ZL (2.9-4.68:1); NP15ZL (4.59-7.02:1) |

¹ Compliance with ISO21118-2012

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



RoHS



CE



ErP

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.

v.28.03.23

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