

NEC PA1505UL

Professional Advanced LCD Laser Installation Projector

Datasheet



A new class of bright projection

Now even larger spaces can benefit from Sharp/NEC's innovation in silent technology with the 15,000 center lumens PA1505UL laser projector, ensuring all attention is focused on the stunning image delivery.

Featuring unprecedented White Point performance, factory pre-calibrated for the perfect white, 12-bit colour signal processing and wide colour space, the audience will experience extraordinarily vivid colour saturation and contrast levels.

The enhanced sealed optical engine allows a filter-free design, IP5X rated against dust ingress - no possibility of dust contaminating the LCD panels for long-term picture stability and brilliant colour brightness. What's more, with our filterless LCD projector design and no lamp replacement, service costs are dramatically reduced for a low cost of ownership and up to 20,000 hours life-time.

Sharp/NEC customers can easily make the transition to benefit from the latest laser technology. The PA1505UL is a professional installation projector featuring advanced installation capabilities as demanded by higher education, leisure and museum applications.

Benefits

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

No filter service required - the enhanced sealed optical laser LCD engine allows a filter-free design, IP5X rated against dust ingress. Brilliant colour brightness is maintained and servicing costs need no longer feature in your budget

Compact design - a large venue projector with a comparatively small footprint and light weight design.

Impress with vivid colour & contrast - brilliant white and wide colour space with high dynamic contrast supporting HDR10 standard via HDMI interface.

Incredible visualisation capabilities - impressive free tilt and portrait installation capability, unique geometric adjustment, picture in picture, tiling and camera based blending.

Product Information

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| Product Name | NEC PA1505UL |
| Product Group | Professional Advanced LCD Laser Installation Projector |
| Order Code | 60005971 (W), 60005928 (B) |

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 | 14000 Lm / 15000 Lm Center |
| Lamp | Laser Light Source |
| Light Source Life [hrs] | 20000 ² |
| Lens | 6 motorized lens options |
| Lense Adjustment | Motorized |
| Lens shift | Up to H:±25, V:+65,-65 |
| Keystone correction | +/- 40° manual horizontal / +/- 30° manual vertical |
| Projection Factor | depending on lens selection (std. option NP54ZL at 1.25-2.01:1) |
| Projection Distance [m] | 0.68 - 80.77 |
| Screen Size (diagonal) [cm] / [inch] | Maximum: 1,270 / 500"; Minimum: 152 / 60" |
| Zoom | Motorized |
| Focus Adjustment | Motorized |
| Supported Resolutions | 1080i/50/60; 1920x1200 (WUXGA) 2560 x 1600 720p/50; 1080p/24/25/30/50/ - 640x480 (VGA); (WQXGA); 720p/60 60; 2048 x 1080 (2k); 4096 x 2160 (4k); |
| Frequency | Horizontal: analog: 0-0 kHz, digital: 15/24-153 kHz; Vertical: 24 - 120 Hz |

Connectivity

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| Digital | Input: 1 x 3G-SDI; 1 x HDBaseT; 2 x HDMI™ supporting HDCP 2.2 Output: 1 x HDBaseT supporting HDCP 2.2 |
| 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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| Remote Control | Audio Control; Digital Zoom; Geometric Correction; ID Select; ID set; Power (On-OFF); Select (up, down, left, right); Shutter function; Source Select; Test Picture; Zoom/Focus and Lens Shift Control |
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Electrical

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| Power Supply | 100-240 V AC; 50 - 60 Hz |
| Power Consumption [W] | 925 Normal / 825 Silent Mode / 0,5 Network Stand-by / 2,0 Stand-by |

Mechanical

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| Dimensions (W x H x D) [mm] | 599 x 238 x 490 (without lens and feet) |
| Weight [kg] | 28.7 |
| Fan Noise [dB (A)] | 38 / 35 (Normal / Silent) |

Colour Versions Black; White

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 | 4K/60Hz interfaces; AMX Beacon; Cinema Quality Picture (CQP) Processing for best image quality; Crestron RoomView; DICOM simulation; Digital 3D Reform™; Direct Power-Off Function; Edge Blending Function; Free Tilt; Geometric Correction; HDBaseT; HDR10 Support; High Altitude Mode; Hollywood Quality Video Processing for best image quality; HTTP Browser Control; Keystone Correction (H=±40°, V=±40°); LAN control; Lens Memory; Lens Shift (vertical 0.65 max/-0.65 max, horizontal ± +0.25 max.); Light Source Adjustment; Manual Wall Color Correction; Multi-Screen compensation mode; NaViSet Administrator 2; Optional User Logo; OSD with 27 languages; Password Security System; PIP/Side by Side, HDMI - Input; PJ LINK; Portrait Setting; Rec2020 to Rec709 colour conversion; RS-232 Control; Seamless Switching; Stacking Function; Test Pattern; Timer-Function; UHD player support; Up to 20,000 hrs Light Source Life; Virtual Remote for direct PC control |
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Green Features

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| Energy Efficiency | ECO scheduler; Intelligent Power Management; Less than 0.5W 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 | 3 years pan-European service |
| Light Source | 3 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; Users Manual on CD-ROM |
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Optional Accessories

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|----------------------|---|
| Optional Accessories | 6 optional bayonet lenses; Universal Ceiling Mounts (PJ02UCMPF) |
| Lenses - motorized | NP51ZL (0.53-0.65:1); NP52ZL (0.65-0.86:1); NP53ZL (0.86-1.25:1); NP54ZL (1.24-2.01:1); NP55ZL (1.98-3.95:1); NP56ZL (3.92-7.5:1) |

¹ Compliance with ISO21118-2012

² 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 RG2 of IEC62471-5 Ed1 2015 (changing to RG3 with the use of NP55ZL, NP65ZL lens.)

DO NOT LOOK DIRECTLY INTO THE BEAM.



TUEV Type
Approved



CE



ErP



RoHS

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