

PX803UL Laser Projector

Datasheet



The PX803UL – simply “install & forget”. First grade high end blue laser diode light source, combined with an unique quality Phosphor wheel technology and no filter replacement required, results in an up to 20,000 hours hassle free operation. These features, bundled with a low overall power consumption, provide exceptional reliability and an attractive total cost of ownership addressing long lasting Signage installations or Museums.

Superior cinema picture quality, especially on large screens is provided by 4k signal processing performance. Enhanced by an optional new ultra-short throw lens, this projector is also perfectly suited for Rental/Staging, Higher Education and large Corporate installations.

All in all a perfect custom-tailored solution, saving you valuable time and money for a secure investment into a brighter future.

Benefits

Resource-saving – up to 20,000 h maintenance-free operation thanks to Laser Light Source technology, filter less dust shielded design & integrated liquid cooling system.

Hassle-free Installation – wide zoom bayonet lens portfolio & support of third party lenses (ask your local trusted NEC partner) enables customised installations and easy replacement of current installation projectors.

Outstanding Picture Quality – whole new visualisation experience with high brightness, up to 4K input signal and unique picture & colour processing technology based on the latest NEC scaler chip.

Easy Way to Large Viewing – use the OPS slot for built-in players, HDMI-out signal loop-through, built-in signal splitter and edge blending capability to provide large presentation pictures.

Maximum Flexibility – 360 degree installation in any direction, unique geometric adjustment, Picture in Picture and 3D support offer unrivalled installation capabilities for any application.

Cost Saving Device Management – save effort whilst administrating all connected NEC devices from a centralised location by using the NaViSet Administrator 2 software tool.

Product Information

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| Product Name | PX803UL |
| Product Group | Laser Projector |
| Order Code | 60004009 (BK), 60004010 (WH) |

Image

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|--------------------------------------|---|
| Projection Technology | 1-chip DLP™ Technology |
| Native Resolution | 1920 x 1200 (WUXGA) |
| Aspect Ratio | 16:10 |
| Contrast Ratio ¹ | 10000:1 |
| Brightness ¹ | 8000 ANSI Lumen, with std. optional lens |
| Lamp | Laser Light Source |
| Lamp Life [hrs] | 20000 |
| Lens | 8 optional bayonet lenses |
| Lens shift | H:±0.15, V:+0.5,-0.3 |
| Keystone correction | +/- 40° manual horizontal / +/- 40° manual vertical |
| Projection Factor | depending on lens selection |
| Projection Distance [m] | 0.86 – 118 |
| Screen Size (diagonal) [cm] / [inch] | Maximum: 1,270 / 500"; Minimum: 100 / 40" |
| Zoom | Motorized |
| Focus Adjustment | Motorized |
| Supported Resolutions | 4096 x 2160 (4k); 2560 x 1600 (WQXGA); 2048 x 1080 (2k); 1920x1200 (WUXGA) - 640x480 (VGA); 1080i/50/60; 1080p/24/25/30/50/60; 720p/60; 720p/50; 576i/50; 576p/50; 480p/60; 480i/50 |
| Frequency | Horizontal: analog: 15/24-100 kHz, digital: 15/24-153 kHz; Vertical: analog: 48-120 Hz, digital: 24-120 Hz |

Connectivity

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| RGB (analog) | Input: 1 x 5BNC, shared with Component Signal (YPbPr); 1 x Mini D-sub 15 pin |
| Digital | Input: 1 x DisplayPort supporting HDCP; 1 x HDBaseT; 1 x HDMI™ supporting HDCP Output: 1 x HDMI supporting HDCP |
| Video | Input: 1 x BNC R Share |
| S-Video | Input: 1 x BNC G/B Share |
| Control | Input: 1 x 3.5 mm Stereo Mini Jack (Wired Remote); 1 x D-Sub 9 pin (RS-232), Ethernet; 1 x Ethernet shared with HDBaseT |
| Option Slot | Input: 1 x Slot for optional OPS modules |
| LAN | 1 x RJ45 |
| USB | 1 x Type A (USB 2.0 high speed for mouse support) |
| 3D Sync | Output: 1 x Mini DIN 3pin |
| Video Signals | NTSC; NTSC 4.43; PAL; PAL-M; PAL-N; PAL60; SECAM |

Remote Control

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| Input: | 1 x 3.5 mm Stereo Mini Jack |
| Remote Control | Auto Adjust; AV Mute; Direct Info; Direct Source Select; Eco Mode Control; Freeze-function; Full Lens control; Help-function; ID Select; Illuminated Buttons; Input Control; Magnify-function; On Screen On/Off Selection; Picture Adjust; PIP Function; Power (On-OFF); Select (up, down, left, right); Shutter function; Test Picture; Wired / Wireless Connection |

Electrical

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| Power Supply | 100-240 V AC; 50 - 60 Hz |
| Power Consumption [W] | 850 Normal Mode |

Mechanical

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| Dimensions (W x H x D) [mm] | 500 x 211 x 577 (without lens and feet) |
| Weight [kg] | 28 |
| Fan Noise [dB (A)] | 35 / 40 (Eco / Normal) |

Colour Versions Black; White

Environmental Conditions

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| Operating Temperature [°C] | 5 to 40 |
| Operating Humidity [%] | 0 to 80 |
| Storage Temperature [°C] | -10 to 60 |
| Storage Humidity [%] | 0 to 90 |

Ergonomics

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

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| Special Characteristics | 3D ready; 4K Interface; AMX Beacon; Built-in Display/Multiscreen Splitter; Cinema Quality Picture (CQP) Processing for best image quality; Crestron RoomView; DICOM Simulation; Digital 3D Reform™; Direct Power-Off Function; Edge Blending Function (Build In); Free Tilt; Full 3D HDMI Support; Geometric Correction; HDBaseT; LAN; Light Source Adjustment; Manual Wall Color Correction; Multi-Screen compensation mode; NaViSet Administrator 2; OPS module support; Optional User Logo; OSD with 27 languages; Password Security System; PIP/Side by Side, HDMI - Input; PJ LINK; Portrait Setting; RS-232 Control; Stacking Function; Timer-Function; Virtual Remote for direct PC control |
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Green Features

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| Energy Efficiency | Laser Light Source |
| 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 - 465E); Network Set-up Guide; Power Cord; Projector; Quick Setup Guide; Users Manual on CD-ROM; Utility software |
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Optional Accessories

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| Optional Accessories | DLP-Link 3D Glasses (VolfoniFit); Flightcase; Universal Ceiling Mounts (NP70CM); XpanD 3D Glasses (X105-RFX2); XpanD 3D RF Emitter (AD025-RF-X1) |
| Lenses | NP16FL (0.76:1); NP17ZL (1.25-1.79:1); NP18ZL (1.73-2.27:1); NP19ZL (2.22-3.67:1); NP20ZL (3.6-5.4:1); NP21ZL (5.3-8.3:1); NP31ZL (0.79-0.98:1); NP39ML (0.38:1) |
| OPS Slot-in Modules | Digital Signage Player; HD/SD-SDI Module; HDBaseT Receiver; Slot-in PCs |

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 RG3 of IEC62471-5 Ed1 2015.

DO NOT LOOK DIRECTLY INTO THE BEAM.

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