NEC 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.

To reduce your installation costs, the projectors can be ordered bundled with the NP18ZL standard lens, which meets the projection requirements of 90% of all installations!
Bundle order codes: 40001153 (black); 40001154 (white)

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.

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.

Risk Group 2 – because of the Risk Group 2 compliance, no prescribed safety precautions are necessary.

Product Information

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

Image

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 lense			
Lamp	Laser Light Source			
Light Source Life [hrs]	20000 [2]			
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	1080i/50/60; 1080p/24/25/30/50/60; 1920x1200 (WUXGA) - 640x480 (VGA);	2048 x 1080 (2k); 2560 x 1600 (WQXGA); 4096 x 2160 (4k); 480i/50;	480p/60; 576i/50; 576p/50; 720p/50;	720p/60
Frequency	Horizontal: analog: 15/24-100 kHz, digital: 15/24-153 kHz; Vertical: analog: 48-120 Hz, digital: 24-120 Hz			

Connectivity

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

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 Lense control; Geometric Correction; Help-function; ID Select; Illuminated Buttons; Input Control; Keystone Correction; 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

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

Mechanical

Dimensions (W x H x D) [mm]	500 x 211 x 577 (without lens and feet)
Weight [kg]	28
Fan Noise [dB (A)]	37 / 40 (Eco / Normal)
Colour Versions	Black; White

Environmental Conditions

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

Ergonomics

Safety and Ergonomics	CE; ErP; RoHS; TUEV Type Approved

Additional Features

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

Green Features

Energy Efficiency	Laser Light Source
Ecological Materials	100% recyclable packaging; Downloadable manuals
Ecological Standards	ErP 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 - 465E); Network Set-up Guide; Power Cord; Projector; Quick Setup Guide; Users Manual on CD-ROM; Utility software

Optional Accessories

Optional Accessories	DLP-Link 3D Glasses (VolfoniFit); Flightcase; Universal Ceiling Mounts (NP70CM, PJ02CMPX, PJ02UCMPF); 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 (0.75-0.93:1); 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

[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.
DO NOT LOOK DIRECTLY INTO THE BEAM.

TUEV Type Approved


CE

RoHS

ErP