Laser Projector

NEC PX2000UL

Impressive pictures at high brightness

Experiencing an attractive price/performance ratio and low maintenance, the single chip 20,000 lumen laser projector delivers large venue projection at near 3-chip imaging performance. Producing richly intense colours powered by additional red laser technology, far beyond that previously possible with 1-chip DLP technology, the PX2000UL achieves a wide colour spectrum covering REC709 standard.

The filter-free sealed optical system means no dust can impact the Constant Light Output ensuring impressive longevity and minimal maintenance. Combined with its low fan noise, light weight for easy handling and outstanding installation and setup features, this innovative projector targets applications in Higher Education, retail, transportation (rail stations), museums and amusements parks where large scale high bright imaging must be achieved to a budget.

Benefits

Superb imaging quality – the RB laser technology uses red lasers, increasing the colour gamut to produce more vivid images, unprecedented for single chip DLP projectors, with high light levels supported by a special Brightness Boost Mode.

Maintenance-free performance – the filter-free laser projector uses a special NEC phosphor wheel requiring minimal attention during its lifetime beyond its initial setup.

Hassle-free remote adjustment – motorized lens shift, focus and zoom allows easy and flexible setup without the need for cumbersome physical access to the projector.

Easy handling – its light weight construction (51kg) and robust design means this model is semi-portable making it suitable for flexible applications.

Specifications

Product Information

Product Name
NEC PX2000UL

Product Group
Laser Projector

Order Code
60004511

Image

Projection Technology
1-chip DLP™ Technology

Native Resolution
1920 x 1200
(WUXGA)

Aspect Ratio
16:10

Contrast Ratio
10000:1 with DynamicBlack™

Brightness
18000 Normal / 14400 Lumen Eco; 19000 Centre Lumen

Brightness (Boost Mode)
19000 Lumen; 20000 Centre Lumen

Lamp
Laser Light Source

Light Source Life [hrs]
20000 [1]

Lens
5 optional bayonet lenses

Lens shift
H:-15,+15, V:-50,+50

Keystone Correction
+/- 60° manual horizontal / +/- 40° manual vertical

Projection Factor
depending on lens selection

Projection Distance [m]
0.81 – 84

Screen Size (diagonal) [cm] / [inch]
Maximum: 1,270 / 500"; Minimum: 100 / 40"

Zoom
Motorized

Focus Adjustment
Motorized

Supported Resolutions

1080i/50/60;	480i/50;	720p/50;
1080p/24/25/30/50/60;	480p/60;	720p/60
2560 x 1600 (WQXGA);	576i/50;	
	576p/50;	

Connectivity

RGB (analog)
Input: 1 x 5BNC; 1 x Mini D-sub 15 pin
Output: 1 x Mini D-sub 15 pin

Digital
Input: 1 x 3G-SDI; 1 x DisplayPort supporting HDCP; 1 x DVI-D; 1 x HDBaseT; 2 x HDMI™ supporting HDCP
Output: 1 x 3G-SDI

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

3D Sync
Output: 1 x BNC IN; 1 x BNC OUT

Video Signals
NTSC; NTSC 4.43; PAL; PAL-M; PAL-N; PAL60; SECAM

Remote Control

Input
1 x 3.5 mm Stereo Mini Jack

Output
2 x 3.5 mm Stereo Mini Jack for Screen Trigger

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

Electrical

Power Supply
200-240 V AC; 50 - 60 Hz

Power Consumption [W]
1779 Normal Mode

Mechanical

Dimensions (W x H x D) [mm]
530 x 248 x 745 (without lens and feet)

Weight [kg]
51

Fan Noise [dB (A)]
43 / 45 (Eco / Normal)

Colour Versions
Black

Environmental Conditions

Operating Temperature [°C]
0 to 40

Operating Humidity [%]
0 to 80

Ergonomics

Safety and Ergonomics
CE; EAC; ErP; RoHS

Additional Features

Special Characteristics
3D ready; DICOM simulation; Edge Blending Function (Build In); Free Tilt; Full 3D HDMI Support; Geometric Correction; HDBaseT; LAN; Light Source Adjustment; Manual Wall Color Correction; NaViSet Administrator 2; PJ LINK; Portrait Setting; RS-232 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 Content
IR Remote Control (RD - 480E); Power Cord; Projector; Quick Setup Guide; Users Manual on CD-ROM

Optional Accessories

Optional Accessories
XpanD 3D Glasses (X105-RFX2); XpanD 3D RF Emitter (AD025-RF-X1)

Lenses
NP45ZL (0.9-1.2:1); NP46ZL (1.2-1.56:1); NP47ZL (1.5-2:1); NP48ZL (2-4:1); NP49ZL (4-7:1)

[1] 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 RG3 of IEC62471-5 Ed1 2015.
DO NOT LOOK DIRECTLY INTO THE BEAM.

CE ErP RoHS

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