NEC PX2201UL

Professional Advanced 1DLP Laser Installation Projector

Datasheet

Advanced performance in compact form

Compact and easily transportable, and yet this large venue projector is packed with advanced technological features. The PX2201UL offers a truly impressive price/ performance ratio delivering superb, richly intense colour through RB laser technology, almost equal in performance to a 3DLP projector. The ultra-bright 20,500 lumen projection can be multiplied using wide interface selection and Edge Blending technology supporting two or more projectors for wider, larger, even brighter images, whilst geometric correction eliminates distortion.

The filter-free optical system protects against dust ingress for performance longevity and minimal maintenance, just as remote adjustment capability means there is no requirement to physically access the projector once its installed. With a low noise level, flexible installation features, SDI interface and 3D support, this innovative projector perfectly services the visualisation needs of higher education and the leisure industry, especially in museums and for mapping.

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.

Product Information

Product Name	NEC PX2201UL
Product Group	Professional Advanced 1DLP Laser Installation Projector
Order Code	NP-PX2201UL

Image

Projection Technology	1-chip DLP™ Technology
Native Resolution	1920 x 1200 (WUXGA)
Aspect Ratio	16:10
Contrast Ratio [1]	10000:1 with DynamicBlack™
Brightness [1]	20500 Normal / 16400 Eco ANSI Lumen; 21500 Centre Lumen
Lamp	Laser Light Source
Light Source Life [hrs]	20000 [2]
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; 1080p/24/25/30/50/60; 2560 x 1600 (WQXGA); 480i/50; 480p/60; 576i/50; 576p/50; 720p/50; 720p/60

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]	1775 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)]	46 / 48 (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	5 years Australian RTB Warranty
Light Source	5 years or 10000h (whatever comes first)

Shipping Content

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

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