\Orchestrating a brighter world NEC

PX1005QL
Laser Projector

Datasheet





The NEC PX1005QL – a pixel-free visual experience

The new laser phosphor projector presents cost effective large venue projection, delivering pixel-free visualisation with high 10,000 ANSI lumens brightness.

Besides its impressive picture quality, the projector provides an appealing proposition with Risk Group 2 compliance, drastically reducing the installation and operation effort, as well as a low TCO with 20,000 hours hassle free operation, low power consumption and no filter replacement effort. The great diversity of 4k/UHD interfaces, including 3G-SDI and OPS slot-in PC option, ensures future-proof possibilities in visualisation and Picture in Picture and Picture by Picture configurations.

With its superior cinema picture quality in pixel-free resolution, the NEC PX1005QL projector is perfectly suited for Rental/Staging, Higher Education and large Corporate installations

Benefits

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.

Enjoy a Lower TCO – highest reliability, maintenance free operation, low power consumption and up to 20000 hours life; the Laser light source results in a significantly lower total cost of ownership.

Future-proof signal connectivity and processing – numerous 4K resolution inputs such as Quad 3G SDI, 2 x DisplayPort, 2 x HDMI plus an optional slot for 4K/UHD OPS Slot-in PCs provide “pixel-free viewing“ on a large scale.

Risk Group 2 saves you installation and operation effort – because of the Risk Group 2 compliance, no prescribed safety precautions are necessary.

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.

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

Product Name	PX1005QL
Product Group	Laser Projector
Order Code	60004489 (BK), 60004490 (WH)

Image

Projection Technology	1-chip DLP™ Technology			
Native Resolution	3840 x 2160 (4KUHD)			
Aspect Ratio	16:10			
Contrast Ratio [1]	10000:1			
Brightness [1]	10000 ANSI Lumen, with std. optional lense			
Lamp	Laser Light Source			
Lamp Life [hrs]	20000			
Lens	8 optional bayonet lenses			
Lense Adjustment	Motorized			
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	Up to 4096x2160; 3840 x 2160 (4kUHD); 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

Connectivity

Digital	Input: 1 x HDBaseT; 2 x DisplayPort supporting HDCP; 2 x HDMI™ supporting HDCP; 4 x 3G-SDI
Control	Input: 1 x D-Sub 9 pin for External Control Device
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)
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; 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

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

Mechanical

Dimensions (W x H x D) [mm]	500 x 211 x 577 (without lens and feet)
Weight [kg]	29

Fan Noise [dB (A)]	37 / 42 (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	4K UHD resolution; 4K/60Hz interfaces; AMX Beacon; Built-in Display/Multiscreen Splitter; Cinema Quality Picture (CQP) Processing for best image quality; Constant Brightness Mode; Crestron RoomView; DICOM Simulation; Digital 3D Reform™; Direct Power-Off Function; Edge Blending Function (Build In); Free Tilt; Geometric Correction; HDBaseT; LAN; Lens Memory; 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	Universal Ceiling Mounts (NP70CM, PJ02CMPX, PJ02UCMPF)
Lenses	NP16FL-4K (0.76:1); NP17ZL-4K (1.25-1.79:1); NP18ZL-4K (1.73-2.27:1); NP19ZL-4K (2.22-3.67:1); NP20ZL-4K (3.6-5.4:1); NP21ZL-4K (5.3-8.3:1); NP31ZL-4K (0.79-0.98:1); NP39ML-4K (0.38:1)
OPS Slot-in Modules	Digital Signage Player; HDBaseT Receiver; Slot-in PCs

[1] Compliance with ISO21118-2012

TUEV Type Approved

CE

ErP

RoHS

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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