Datasheet

Super silent yet brilliantly versatile

Innovation grounded in the true needs of the user results in the P605UL, a laser projector that is so silent it goes unnoticed yet for the 6,000 ANSI lumen image projection, perfectly visible in brightly lit spaces. A new standard in silent operation, 19dB in Eco mode is quieter than the ticking of a watch and is unsurpassed by any other installation projector. With 4K@30Hz input processing, comprehensive connectivity and supporting WUXGA resolution, the future-proofed projector delivers an eye-pleasing visual experience.

Install and forget - requiring zero maintenance over its long 20,000 hour life, the completely sealed optical engine and laser light source means filter and lamp replacement is obsolete; paired with a minimal power consumption of just 357W in normal mode, the P605UL ensures low operational costs.

With optional WiFi and embedded MultiPresenter function for wireless presentation and screen sharing, this is the ideal meeting room and classroom tool, but also meets the needs of rental and staging companies and digital signage use cases.

Benefits

No filter service required – a completely sealed optical laser LCD engine allows a filter-free design. Brilliant colour brightness is maintained and servicing costs need no longer feature in your budget.

Low Noise Level – with 19dB*, the silent technology will not disturb your meeting.

Future-proof input management – thanks to 4K@30 Hz input processing.

No lamp replacement – up to 20,000 h maintenance free operation possible due to Laser Light Source.

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

Product Information

Product Name	NEC P605UL
Product Group	Laser Projector
Order Code	60004811

Image

Projection Technology	3LCD Technology		
Native Resolution	1920 x 1200 (WUXGA)		
Aspect Ratio	16:10		
Contrast Ratio [1]	600000:1		
Brightness [1]	6000 ANSI Lumen (approx. 60% in Eco Mode)		
Lamp	Laser Light Source		
Light Source Life [hrs]	20000 [2]		
Lens	F= 1.5–2.1, f= 17.2–27.6 mm		
Lens shift	H:±29, V:+60,-0		
Keystone correction	+/- 30° manual horizontal / +/- 30° manual vertical		
Projection Factor	1.23 – 2 : 1		
Projection Distance [m]	0.8 – 13.5		
Screen Size (diagonal) [cm] / [inch]	Maximum: 762 / 300"; Minimum: 76.2 / 30"		
Zoom	Manual; x1.6		
Focus Adjustment	Manual		
Supported Resolutions	1920x1200 (Maximum resolution of analog input);	3840 x 2160 (Maximum resolution of digital input);	3840x2160 @ 30hz digital

Connectivity

RGB (analog)	Input: 1 x Mini D-sub 15 pin
Digital	Input: 1 x HDBaseT; 2 x HDMI™ supporting HDCP
Audio	Input: 1 x 3.5 mm Stereo Mini Jack for Computer analog; 2 x HDMI audio Output: 1 x 3.5 mm Stereo Mini Jack (variable)
Control	Input: 1 x D-Sub 9 pin (RS-232) (male)
LAN	1 x RJ45; Optional WLAN
USB	1 x Type B (for Service); 1x Type A (USB 2.0 high speed) with 2.0A Power Supply; 1x Type A (W-LAN Dongle)
Video Signals	NTSC 3.58; NTSC 4.43; PAL; PAL-M; PAL-N; PAL60; SECAM

Remote Control

Remote Control	Aspect Ratio; Audio Control; Auto Adjust; Eco Mode Control; Freeze-function; Help-function; ID set; Keystone Correction; Magnify-function; Page (up, down); Picture Adjust; Picture Mute; Power (On-OFF); Presentation and Mouse Control; Select (up, down, left, right); Source Select

Electrical

Power Supply	100-240 V AC; 50 - 60 Hz
Power Consumption [W]	357 (Normal) / 257 (Eco) / 1.6 (Network Stand-by) / 0.3 (Stand-by)

Mechanical

Dimensions (W x H x D) [mm]	480 x 122 x 407 (without lens and feet)
Weight [kg]	9.7
Fan Noise [dB (A)]	19 / 25 / 28 (ECO / Normal / High Bright)
Colour Versions	White

Environmental Conditions

Operating Temperature [°C]	5 to 40
Operating Humidity [%]	20 to 80
Storage Temperature [°C]	-10 to 50
Storage Humidity [%]	20 to 80

Ergonomics

Safety and Ergonomics	CE; EAC; ErP; RoHS; TUEV Type Approved; TüV GS
Speakers [W]	1 x 20 (mono)

Additional Features

Special Characteristics	Auto Power ON/OFF; Carbon Savings Meter; Constant Brightness Mode; Control ID Function; DICOM simulation; Direct Power-Off Function; Free Tilt; HDBaseT; Help Function; HTTP Browser Control; Kensington security slot; Keypad Lock; Light Source Adjustment; Magnify; Mouse Control with USB Display; MultiPresenter Function; NaViSet Administrator 2; Optional User Logo; OSD with 30 languages; Password Security System; Plug&Play W-LAN Option; Portrait Setting; Quick Start; Source Select with Beep Function; Test Pattern; Unique Power Saving Functions; USB Viewer; Virtual Remote for direct PC control

Green Features

Ecological Materials	Downloadable manuals; ECO packaging
Ecological Standards	ErP compliant; RoHs compliant

Warranty

Projectors	3 years pan-European service

Light Source	3 years or 10000h (whatever comes first)

Shipping Content

Shipping Contents	2x AAA Batteries; IR Remote Control (477E); Mini D-SUB Signal Cable (1.8 m); Power Cord (1.8 m); Projector; Quick Setup Guide; Security Sticker; Users Manual; Utility software

Optional Accessories

Optional Accessories	Universal Ceiling Mounts (PJ01UCM, PJ02UCMPF); Wireless LAN module (NP05LM2; NP05LM4; NP05LM5)

[1] Compliance with ISO21118-2012

[2] 50% of initial brightness at the end of specified laser life time at 25 degree ambient temperature.

TüV GS	RoHS	ErP	CE	TUEV Type Approved

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.