Preliminary Datasheet

Professional LCD Laser Projector

Sharp P621U





Super silent and brilliantly versatile

Quieter than the tick of a watch, the P621U operates unobtrusively, delivering impressive projection performance without any noise distraction. With 6,200 lumens, WUXGA resolution, and 4K@30Hz input support, it produces sharp, detailed visuals with consistent clarity even in well-lit environments. Comprehensive connectivity ensures easy integration into a variety of installation scenarios, including meeting rooms, lecture halls, and immersive exhibitions.

Engineered for long-term reliability, the fully sealed optical LCD laser engine provides up to 20,000 hours of maintenance-free performance. With no lamps nor filters to replace, and low power consumption, the P621U combines dependable performance with low operating costs. Risk Group 2 compliance allows for safe operation without prescribed safety precautions, making it a practical choice for professional settings where dependable image quality and quiet performance are priorities.

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 22dB, 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.

Specifications

Product Information

Product Name
Sharp P621U

Product Group
Professional LCD Laser Projector

Order Code
60006201

Image

Projection Technology
3LCD Technology

Native Resolution
1920 x 1200
(WUXGA)

Aspect Ratio
16:10

Contrast Ratio
3000000:1

Brightness
6200 Lumen (approx. 60% in Eco Mode); compliant with ISO21118-2020

Lamp
Laser Light Source

Light Source Life [hrs]
20000 [1]

Lens
F= 1.6–2, f= 15.3–24.6 mm

Lens shift
H:±20, V:+44,-0

Keystone correction
+/- 30° manual horizontal / +/- 30° manual vertical

Projection Factor
1.08 – 1.76 : 1

Projection Distance [m]
0.8 – 12.9

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

Digital
Input: 1 x HDBaseT; 2 x HDMI™ supporting HDCP

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

USB
1 x Type B (for Service); 1x Type A (USB 2.0 high speed) with 2.0A Power Supply

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); Select (up, down, left, right); Source Select

Electrical

Power Supply
100-240 V AC; 50 - 60 Hz

Power Consumption [W]
318 (Normal) / 237 (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)]
22 / 27 (Eco / Normal)

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

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; NaViSet Administrator 2; Optional User Logo; OSD with 30 languages; Password Security System; 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); Lens Cap; Power Cord (1.8 m); Projector; Quick Setup Guide; Security Sticker; Users Manual; Utility software

Optional Accessories

Optional Accessories
Universal Ceiling Mounts (PJ01UCM, PJ02UCMPF)

[1] 50% of initial brightness at the end of specified laser life time at 25 degree ambient temperature.

ErP

TUEV Type Approved

RoHS

CE

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