Laser Projector - 4K+ 1 DLP - Installation

Sharp A824U



Precision, Clarity, Enduring Performance

- No lamp replacement up to 20,000 h maintenance free operation possible due to Laser Light Source.
- 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.
- Super Silent operation patented sealed light engine incorporating innovative fan design not only protects against dust ingress but dramatically reduces noise.
- Impress with vivid colour & contrast brilliant white and wide colour space with high dynamic contrast supporting HDR10 standard via HDMI interface.
- Incredible visualisation capabilities impressive free tilt and portrait installation capability, unique geometric adjustment, tiling and camera based blending.

Options

IoT and Asset Management

NaViSet Administrator 2 Sharp/NEC's software suite that provides monitoring, asset management and control functionality for display devices
Sharp/NEC's software suite that provides monitoring, asset management and control functionality for display devices.

Warranty Extensions

Warranty Extension for Laser Projectors Optional Warranty Extension (4th to 5th year) for dedicated Sharp Laser Projectors
Optional Warranty Extension (4th to 5th year) for dedicated Sharp Laser Projectors

Mounting Options

Ceiling Mount PJ02CMPX Universal ceiling mount for dedicated Sharp/NEC projectors (PAxx4 and PXxx4 series)
Universal ceiling mount for dedicated Sharp/NEC projectors (PAxx4 and PXxx4 series).

Ceiling Mount PJ02UCMPF Universal ceiling mount for vertical and portrait projection for dedicated Sharp/NEC projectors
Universal ceiling mount for vertical and portrait projection for dedicated Sharp/NEC projectors.

Calilbration and Adjustment

ProAssist Generate perfectly homogeneous digital canvases from multiple projection installations
Generate perfectly homogeneous digital canvases from multiple projection installations.

Image Control and Connectivity

Hiperwall Innovative software- and IP-based solution to create reliable and flexible video wall solutions that can display data and video images from different sources at unequaled high resolutions
Innovative software- and IP-based solution to create reliable and flexible video wall solutions that can display data and video images from different sources at unequaled high resolutions.

Value Added Services

Laser Branding Optional Laser Branding Service for dedicated Sharp Display Products
Optional Laser Branding Service for dedicated Sharp Display Products

Support+ Optional additional services (1st to 3rd year) for dedicated Sharp Display Products
Optional additional services (1st to 3rd year) for dedicated Sharp Display Products

Lenses

NP40ZL Short zoom lens for dedicated A, PA, PV and V series projectors
Short zoom lens for dedicated A, PA, PV and V series projectors.

NP41ZL Medium zoom lens for dedicated A, PA, PV and V series projectors
Medium zoom lens for dedicated A, PA, PV and V series projectors.

NP43ZL Long zoom lens for dedicated A, PA, PV and V series projectors
Long zoom lens for dedicated A, PA, PV and V series projectors.

NP44ML-PA4 Ultra-short-throw lens for dedicated A and PA series projectors
Ultra-short-throw lens for dedicated A and PA series projectors.

NP50ZL Standard zoom lens for dedicated A, PA, PV and V series projectors
Standard zoom lens for dedicated A, PA, PV and V series projectors.

XP-40ZL Short zoom lens for dedicated A, PA, PV and V series projectors
Short zoom lens for dedicated A, PA, PV and V series projectors.

XP-41ZL Medium zoom lens for dedicated A, PA, PV and V series projectors
Medium zoom lens for dedicated A, PA, PV and V series projectors.

XP-43ZL Long zoom lens for dedicated A, PA, PV and V series projectors
Long zoom lens for dedicated A, PA, PV and V series projectors.

XP-44ML-A Ultra-short-throw lens for dedicated A and PA series projectors
Ultra-short-throw lens for dedicated A and PA series projectors.

XP-50ZL Standard zoom lens for dedicated A, PA, PV and V series projectors
Standard zoom lens for dedicated A, PA, PV and V series projectors.

Specifications

General

Series	[sharp-a-series]
Order Code	XPA824U (BK),XPA824U-W (WH)

Image

Aspect Ratio	16:10
Brightness Normal (lm)	8200
Brightness Centre (lm)	8600
Compliant with ISO21118-2020	Yes
Contrast Ratio	[30000001]
Projection Technology	3LCD Technology
Focus Adjustment	Motorized and manual (depending on lens)
Frequency Horizontal Digital (kHz)	15/24-153
Frequency Vertical Digital (Hz)	24-120
Light Source Life Normal Mode (hrs)	25000
[AVProjectorSpecificationLensOptions]	5 motorized lens options
Lens Adjustment	Motorized
Lens Shift H/V (2 values)	H:±20.0, V:+10.0,-50.0
Panel Resolution	1920 x 1200 (WUXGA)
Projection Distance Minimum (m)	0.7
Projection Distance Maximum (m)	50.9
Screen Size Diagonal Maximum (cm)	1270.0
Screen Size Diagonal Maximum (inch)	500.0
Screen Size Diagonal Minimum (cm)	101.6
Screen Size Diagonal Minimum (inch)	40.0
Supported Resolution Interlaced	576i/50
Supported Resolution Progressive	576p/50
Zoom Type	Motorized and manual (depending on lens)
Keystone Correction V ± (°)	40
Keystone Correction H ± (°)	40

Connectivity

LAN	1 x RJ45
Audio Input	1 x HDBaseT audio support, 2 x HDMI audio support
Audio Output	1 x 3.5 mm Stereo Mini Jack (variable)
Digital Input	1 x HDBaseT, 2 x HDMI™ supporting HDCP 2.2
Digital Output	1 x HDBaseT supporting HDCP 2.2
Control	1 x D-Sub 9 pin (RS-232), Ethernet, 1 x 3.5 mm Stereo Mini Jack (Wired Remote)
USB	1 x Type A (USB 2.0 high speed)

Remote Control

Remote Control	Shutter function, Source Select, ID set, Test Picture, Audio Control, ID Select, Digital Zoom, Power (On-OFF), Select (up, down, left, right), Geometric Correction, Zoom/Focus and Lens Shift Control

Electrical

Power Consumption Normal (W)	615
Power Consumption Eco (W)	560
Power Consumption Stand-by (W)	0.28
Power Consumption Network Stand-by (W)	0.8
Power Supply (Hz)	50-60
Power Supply (V AC)	100-240

Environmental Conditions

Operating Humidity Non-Condensing (%)	20 to 80
Storage Humidity Non-Condensing (%)	20 to 80
Operating Temperature (°C)	0 to 40
Storage Temperature (°C)	-10 to 50

Mechanical

Colour Version	White, Black
Width Without Lens and Feet (mm)	599
Height Without Lens and Feet (mm)	208
Depth Without Lens and Feet (mm)	490
Fan Noise Eco (dB)	28
Fan Noise Normal (dB)	34
Weight (kg)	24.1
IR Remote Control Model	RD-480E

Ergonomics

Certifications	CE, ErP, TUEV Type Approved, EAC, RoHS

Green Features

Ecological Materials	100% recyclable packaging, Downloadable manuals
Ecological Standards	ErP compliant
Energy Efficiency	ECO scheduler, Intelligent power management, Software scheduling, Timer function
Stand-by Power Max (W)	0.3

Guarantees

Warranty Light Source	3 years or 10000h (whatever comes first)
Warranty 3 Years Pan European Service	Yes

Shipping Content	Power Cord, Quick Setup Guide, Projector

Additional Features

Special Characteristics	Digital 3D Reform™, Password Security System, Multi-Screen compensation mode, RS-232 Control, Geometric Correction, Seamless Switching, UHD player support, PIP/Side by Side, HDMI - Input, Free Tilt, HDR10 Support, HTTP Browser Control, Rec2020 to Rec709 colour conversion, Manual Wall Color Correction, Test Pattern, Portrait Setting, DICOM simulation, Direct Power-Off Function, High Altitude Mode, HDBaseT-out signal connection, 4K/60Hz interfaces, Optional User Logo, IP5X/IP6X rated, Stacking Function, Lens Memory, Light Source Adjustment, AMX Beacon, Edge Blending Function, Cinema Quality Picture (CQP) Processing for best image quality, Timer-Function, LAN control, Built-in Display/Multiscreen Splitter, Hollywood Quality Video Processing for best image quality, PJ LINK, NaViSet Administrator 2, Crestron Connected
Lens Shift V (max)	+0.5 / -0.1
Lens Shift H ± (max)	0.3
OSD Languages	27
Light Source Life Up To (hrs)	20000

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