

Sharp A201U

Professional Advanced LCD Laser Installation Projector

Datasheet



High brightness with extreme efficiency

For long-lasting imaging performance at high brightness with movie-quality colour rendition, the Sharp A201U encapsulates efficiency. Every aspect of its design forges maximum productivity, achieving remarkable performance alongside impressive cost, space and energy saving.

Born of NEC heritage, the A201U presents the same high quality Japanese design and engineering standards as its predecessor, the NEC PA Series, delivering on Sharp/NEC's promise of quality, service and sustainability. This next generation model utilises legacy PA Series lenses securing against e-waste and reducing costs.

The first and only LCD projector featuring RB laser technology, this innovative solution is highly efficient in producing the most intensely natural tones, minimising power consumption whilst delivering brilliant, almost DCI-P3 colour performance at high brightness levels. Consistently superior imaging quality is safeguarded with an IP5X rated optical engine, sealed against even the finest dust particles and eliminating maintenance demands.

Featuring advanced installation capabilities, easily managed with full ProAssist support, the compact Sharp A201U delivers the reliability, functionality and value as demanded by higher education, corporate, leisure and museum applications.

Benefits

No lamp replacement – up to 25,000 h maintenance free operation possible due to Laser Light Source.

No filter service required – the enhanced sealed optical laser LCD engine allows a filter-free design, IP5X rated against dust ingress. Brilliant colour brightness is maintained and servicing costs need no longer feature in your budget

Compact design – a large venue projector with a comparatively small footprint and light weight design.

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, picture in picture, tiling and camera based blending.

Product Information

Product Name	Sharp A201U
Product Group	Professional Advanced LCD Laser Installation Projector
Order Code	60006068 (B)

Image

Projection Technology	3LCD Technology			
Native Resolution	1920 x 1200 (WUXGA)			
Aspect Ratio	16:10			
Contrast Ratio	3000000:1			
Brightness	20.000 Lm / 21000 Lm Center			
Lamp	Laser Light Source			
Light Source Life [hrs]	25000 ¹			
Lens	6 motorized lens options			
Lense Adjustment	Motorized			
Lens shift	Up to H:±25, V:+65,-65			
Keystone correction	+/- 40° manual horizontal / +/- 30° manual vertical			
Projection Factor	depending on lens selection (std. option NP54ZL at 1.25-2.01:1)			
Projection Distance [m]	0.68 – 80.77			
Screen Size (diagonal) [cm] / [inch]	Maximum: 1,270 / 500"; Minimum: 152 / 60"			
Zoom	Motorized			
Focus Adjustment	Motorized			
Supported Resolutions	1080i/50/60; 1080p/24/25/30/ 50/60;	1920x1200 (WUXGA) - 640x480 (VGA); 2048 x 1080 (2k);	2560 x 1600 (WQXGA); 4096 x 2160 (4k);	720p/50; 720p/60
Frequency	Horizontal: analog: 0-0 kHz, digital: 15/24-153 kHz; Vertical: 24 – 120 Hz			

Connectivity

Digital	Input: 1 x 3G-SDI; 1 x HDBaseT; 2 x HDMI™ supporting HDCP 2.2 Output: 1 x HDBaseT supporting HDCP 2.2
Audio	Input: 1 x HDBaseT audio support; 2 x HDMI audio support Output: 1 x 3.5 mm Stereo Mini Jack (variable)
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
USB	1 x USB A (2A power delivery)

Remote Control

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
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Electrical

Power Supply	100-240 V AC; 50 - 60 Hz
Power Consumption [W]	1530 Normal / 1400 Silent Mode / 2,0 Network Stand-by / 0,5 Stand-by

Mechanical

Dimensions (W x H x D) [mm]	650 x 262 x 549 (without lens and feet)
Weight [kg]	38.7
Fan Noise [dB (A)]	42 / 34 (Normal / Silent)
Colour Versions	Black

Environmental Conditions

Operating Temperature [°C]	0 to 40
Operating Humidity [%]	20 to 80 non-condensing
Storage Temperature [°C]	-10 to 50
Storage Humidity [%]	20 to 80 non-condensing

Ergonomics

Safety and Ergonomics	CE; EAC; ErP; RoHS; TUEV Type Approved
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Additional Features

Special Characteristics	4K/60Hz interfaces; AMX Beacon; Cinema Quality Picture (CQP) Processing for best image quality; Crestron RoomView; DICOM simulation; Digital 3D Reform™; Direct Power-Off Function; Edge Blending Function; Free Tilt; Geometric Correction; HDBaseT; HDR10 Support; High Altitude Mode; Hollywood Quality Video Processing for best image quality; HTTP Browser Control; IP5X/IP6X rated; Keystone Correction (H=±40°, V=±40°); LAN control; Lens Memory; Lens Shift (vertical 0.65 max/-0.65 max, horizontal ± +0.25 max.); Light Source Adjustment; Manual Wall Color Correction; Multi-Screen compensation mode; NaViSet Administrator 2; Optional User Logo; OSD with 27 languages; Password Security System; PIP/Side by Side, HDMI - Input; PJ LINK; Portrait Setting; Rec2020 to Rec709 colour conversion; RS-232 Control; Seamless Switching; Stacking Function; Test Pattern; Timer-Function; UHD player support; Up to 25,000 hrs Light Source Life; Virtual Remote for direct PC control
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Green Features

Energy Efficiency	ECO scheduler; Intelligent power management; Less than 0.5W stand-by power; Longer light source life; Software scheduling; Timer function
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-480E); Power Cord; Projector; Quick Setup Guide; Users Manual on CD-ROM
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Optional Accessories

Optional Accessories	6 optional bayonet lenses; Universal Ceiling Mounts (PJ02UCMPF)
Lenses - motorized	NP51ZL (0.53-0.65:1); NP52ZL (0.65-0.86:1); NP53ZL (0.86-1.25:1); NP54ZL (1.24-2.01:1); NP55ZL (1.98-3.95:1); NP56ZL (3.92-7.5:1)

¹ 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.



RoHS



ErP



TUEV Type Approved



CE

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