Cinema Projector - RB Laser

Sharp NC-1224



Quietest projection performance for mid-sized screens

- Compact, lightweight and quiet easy installation in small projection booths, easy transportation for mobile cinemas and perfectly suited for boothless cinemas.
- Sealed optical engine minimising dust ingress, consistent performance is assured and no special maintenance is required.
- Highly flexible - with no exhaust system required, the NC-1224 is suitable for floor and ceiling installation and versatile content playback.
- Virtually zero maintenance - no lamp and no filter replacement costs, no maintenance personnel costs and no lamp stock due to the innovative Laser Light engine.
- Enjoy a Lower TCO - highest reliability, maintenance-free operation, low power consumption and up to 50000 hours life; the Laser light source results in a significantly lower total cost of ownership.

Options

Lenses

NP-9LS12ZM1 Short zoom lens for dedicated digital cinema projectors
Short zoom lens for dedicated digital cinema projectors.

NP-9LS13ZM1 Short zoom lens for dedicated digital cinema projectors
Short zoom lens for dedicated digital cinema projectors.

NP-9LS16ZM1 Short zoom lens for dedicated digital cinema projectors
Short zoom lens for dedicated digital cinema projectors.

NP-9LS20ZM1 Short zoom lens for dedicated digital cinema projectors
Short zoom lens for dedicated digital cinema projectors.

Specifications

General

Series	[nc-series]
Order Code	NC1224

Image

Brightness (lm)	12000
Cooling Method	Air and liquid cooling inside
DMD Pixels	2048 x 1080
DMD Chip	0.69" S2K, DLP Cinema® Technology
Lens Other	Range of shift is dependent on lens
Primary Lenses	NC-12ZSA1 / NP-9LS12ZM1:1.2-1.72:1, NC-20ZSA1 / NP-9LS20ZM1:2.09-3.9:1, NC-13ZSA1 / NP-9LS13ZM1:1.33-2.1:1, NC-16ZSA1 / NP-9LS16ZM1:1.62-2.7:1
Lens Zoom / Focus / Shift Motorized	Yes
Laser Light Source Expected Life Up To (h)	50000
Projection Method	3-chip DLP Cinema® Technology
Screen Size Up To (m)	15

Connectivity

External Controls	1 x GPIO (3D) (D-sub 15 pin female), 1 x GPIO (D-sub 37 pin female), 1 x RJ45 100Base-T

Electrical

Heat Dissipation Max (BTU)	6719
Power Consumption typ. (W)	1837
Power Supply	Built-in power supply, 200 to 240V AC, 50/60Hz, single phase
Rated Input Current Projector Power 200-240V (A)	10.5

Mechanical

External Width without Lens and Protrusions (mm)	700
External Height without Lens and Protrusions (mm)	288
External Depth without Lens and Protrusions (mm)	812
Fan Noise less than (dB-A, ISO 9296)	50
Weight without Lens (kg)	68

Environmental Conditions

Operating Humidity Non-condensing (%)	10 - 85
Operating Temperature (°C)	10 to 35
Storage Humidity Non-condensing (%)	10 - 85
Storage Temperature (°C)	-10 to 50

Regulatory

Europe	EN55035, EN62368-1/EN55032 Class A, EN61000-3-2/-3-3 (Marking: TUV, CE)
Laser / Lamp Standard	IEC62471-5 Ed1:2015 Risk Group3, EN60825-1 Ed3:2014 Class1, IEC60825-1 Ed3:2014 Class1, EN62471-5 Ed1:2015 Risk Group3
Other EMEA	EN61000-3-2/-3-3 (Marking CE), EN55035, EN55032 Class A, EN55024, EN60950-1
Warranty Light Source	3 years or 10000h (whatever comes first)
Parts Warranty (years)	3

Green Features

Ecological Materials	Laser technology reduces power usage and reduces replacement materials required

Interfaces: Dolby IMS3000 (optional)

Input Terminals	1 x USB Type 2.0, 2 x USB Type 3.0, HDMI, eSATA
Manufacturer	Dolby (The Dolby IMS3000 is not a Sharp product. Sharp shall not in any way be liable for any product specifications).
Output Terminals	2 x RJ45 (16-channel AES3-EBU Digital Audio)

Additional Features

Special Characteristics	Compact model, Low TCO, Built-in IMS (IMS3000, optional), Metal filter, Full HFR 3D support, DCI compliant, Dust sealed optical engine, Latest digital technology, Laser Light System

RB LASER

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