Cinema Projector - 4K - RB Laser

Sharp NC-2043



The all-in-one RB laser projector for medium sized format screensWith the Sharp NC-2043 4K RB laser projector cinemas are taking advantage of both laser phosphor and RGB laser technologies resulting in a powerful projector which delivers

- Outstanding Picture Quality full 4K resolution (4096 x 2160 pixel) and wide colour space combined with a homogeneous and contrast-rich laser image quality creates a unique immersive cinema experience.
- Enjoy a Lower TCO - highest reliability, maintenance-free operation, low power consumption and up to 40000 hours life; the Laser light source results in a significantly lower total cost of ownership.
- One box solution the projector is easy to handle and install as an all-in-one-device solution without the need for an external chiller, external laser light source or external exhaust system.
- Brilliant for every purpose The brightness output can be individually adjusted to provide crisp images whether enjoying 2D and 3D movie playback.
- Big on brightness the high brightness output of 20000 lumen creates outstanding images on screen sizes of up to 20 m.

Specifications

General

Series	[nc-series]
Order Code	NC2043

Image

Brightness (lm)	20000
DMD Pixels	4096 x 2160
DMD Chip	1.38" DLP
DMD Tilt Angle (°)	12
Lens Shift	Horizontal/Vertical Motorized
Lens Other	Range of shift is dependent on lens, Lens memory stores lens setting (shift/zoom/focus)
Primary Lenses	NC-50LS16Z:1.44-2.16:1, NC-50LS21Z:1.95-3.26:1, NC-50LS14Z:1.3-1.85:1, NC-50LS12Z:1.13-1.66:1, NC-50LS18Z:1.63-2.71:1
Lens Zoom / Focus / Shift Motorized	Yes
Laser Light Source Expected Life (h)	40000
Projection Method	3-chip 1.38“ DC4K DMD
Screen Size Up To (m)	20

Connectivity

External Controls	1 x GPIO (D-sub 0 pin female), 1 x GPIO (3D) (D-sub 15 pin female), 1 x RJ45 100Base-T

Electrical

Heat Dissipation Max (BTU)	7592
Power Consumption typ. (W)	2225
Power Supply	200 to 240V AC, 50/60Hz, single phase

Mechanical

External Width (mm)	697
External Height (mm)	455
External Depth (mm)	1180
Fan Noise less than (dB-A, ISO 9296)	53
Weight without Lens (kg)	144

Environmental Conditions

Operating Humidity Non-condensing (%)	10 to 80
Operating Temperature (°C)	10 to 35
Storage Temperature (°C)	-10 to 50

Regulatory

Europe	EN55032 Class A (Marking TUV,CE), EN55024, IEC62471-5 Ed1 2015, EN62368-1: 2nd Edition, IEC60950-1, TÜV-GS, EN61000-3-3, EN61000-3-2, IEC60825-1 Ed3 2014, EN55022 1998, Class A, EN61000-3-2/-3-3, IEC60950-1 / EN55022 Class A (Marking EAC), EN55024 1998
Warranty Light Source	3 years or 10000h (whatever comes first)
Parts Warranty (years)	3

Green Features

Ecological Materials	Eliminate waste and landfill implications associated with 35mm media, Laser technology reduces power usage and reduces replacement materials required

Additional Features

Special Characteristics	Low TCO, RB laser light source, Wide laser colour space, DCI compliant, Laser Light System, High 4K resolution

Interfaces: Dolby IMS3000 (optional)

Input Terminals	HDMI, 2 x USB Type 3.0, 1 x USB Type 2.0, 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)

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