

NC1402L Laser Projector

Datasheet



Quietest projection performance for mid-sized screens

Built upon the latest Laser light source technology, the NC1402L digital cinema projector impresses audiences with crisp colours and premium quality imaging. At just 49dB in operation, the almost silent projector supports boothless cinema solutions.

Highly flexible, without the need for a special exhaust system, the projector is easy to install and suitable for ceiling, floor or mobile applications in mid-sized theatres with screen sizes of up to 14m wide.

With maintenance-free operation including protection against dust ingress and a low, eco-friendly power consumption, theatre operators benefit from a reduced overall total cost of ownership (TCO) and therefore achieve a greater per seat revenue.

Treat your movie-goers to next generation digital cinema projection for immersive, out-of-this-world motion picture experiences.

Benefits

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 NC1402L 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.

Product Information

Product Name	NC1402L
Product Group	Laser Projector
Order Code	NP-NC1402L 60005041

Optical

Projection Method	3-chip DLP Cinema® Technology
Screen Size [m]	up to 14 in DCI colour (1.8 Gain screen)
Contrast Ratio	1600:1
Light Source	Laser Light Source, expected life: up to 50000 h ¹
Lens	Zoom / Focus / Shift: Motorized Other: Range of shift is dependent on lens Primary Lenses: NP-9LS12ZM1: 1.2-1.72:1; NP-9LS13ZM1: 1.33-2.1:1; NP-9LS16ZM1: 1.62-2.7:1; NP-9LS20ZM1: 2.09-3.9:1; NP-9LS40ZM1: 4.07-6.34:1
DMD Specifications	2048 x 1080 Chip: 0.69" S2K, DLP Cinema® Technology
Cooling Method	Liquid: Air and liquid cooling inside

Connectivity Projector

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

Power Supply	Built-in power supply Projector Power Supply Unit: 200 to 240V AC, 50/60Hz, single phase
Power Consumption [W]	1500 max.
Heat Dissipation (BTU)	5118

Environmental Conditions

Operating Temperature [°C]	10 to 35
Operating Humidity [%]	10 to 85 - non-condensing
Storage Temperature [°C]	-10 to 50
Storage Humidity [%]	10 to 85 - non-condensing

Regulations

Europe	EN55035; EN61000-3-2/-3-3 (Marking: TUV, CE); EN62368-1/EN55032 Class A
Laser / Lamp standard	EN60825-1 Ed3:2014 Class1; EN62471-5 Ed1:2015 Risk Group3; IEC60825-1 Ed3:2014 Class1; IEC62471-5 Ed1:2015 Risk Group3
Morocco	NM EN55024; NM EN60950-1; NM EN61000-3-2/-3-3 (Marking Morocco mark)
Other EMEA	EN55024; EN55032 Class A; EN55035; EN60950-1; EN61000-3-2/-3-3 (Marking CE)
Russia/Belarus/Kazakhstan	CISPR24; IEC60950-1/CISPR32 Class A; IEC61000-3-2/-3-3 (Marking: EAC)
United Arab Emirates	ECAS:IEC60950-1 (Marking: ECAS)

Mechanical

External Dimensions (W x H x D) [mm]	700 x 288 x 812 (without lens and protrusions)
Weight [kg]	69 (without lens)
Fan Noise [dB (A)]	< 49

Additional Features

Special Characteristics	Dust sealed optical engine; Full HFR 3D support; Laser Light System; Latest digital technology; Metal filter
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Interfaces: Dolby IMS3000 (optional)

External Controls	2 x RJ45 (4 GPI and 6 GPO); 2 x RJ45 Gigabit Ethernet
Input Terminals	1 x USB Type 2.0; 2 x 3GSDI bidirectional (input and output); 2 x USB Type 3.0; eSATA; HDMI
Output Terminals	2 x RJ45 (16-channel AES3-EBU Digital Audio)
Additional Features	HFR 3D Support (48 Hz/eye, 60 Hz/eye); Integrated SMS; Integrated Storage: 2 TB (DCP, RAID5); NAS support
Manufacturer	Dolby (The Dolby IMS3000 is not a NEC product. NEC shall not in any way be liable for any product specifications).

Warranty

Warranty	2 years, parts warranty
Light Source	2 years or 7500h (whatever comes first)

Green Features

Ecological Materials	Laser technology reduces power usage and reduces replacement materials required
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¹ 50% of initial brightness at the end of specified laser life time at 25 degree ambient temperature, under normal usage condition, not covered by standard warranty

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.

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