

NC1201L Laser Projector

Datasheet



The new NC1201L Digital Cinema Projector - Laser focused on maximum visual experience for smaller venues

The all-new NC1201L cinema projector delivers a brighter visual experience, suitable for smaller venues with screen sizes of up to 12m wide. Built upon the latest laser light source technology, our second generation of this compact digital cinema projector will amaze your customers with crisper colours and an exceptional image quality. The highly flexible and silent NCL1201L allows for an easy installation without the need for a special exhaust system, supporting ceiling, floor or mobile applications. Additionally the maintenance free operation and a low, eco-friendly power consumption result in an overall reduced total cost of ownership (TCO) and therefore a greater per seat revenue. Take your customers into the next generation of digital cinema, delivering a stunning visual experience for a brighter future.

Benefits

Highly flexible – with no exhaust system required, the NC1201L 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.

Compact, lightweight and quiet – easy installation in small projection booths, easy transportation for mobile cinemas and perfectly suited for boothless cinemas.

Enjoy a Lower TCO – highest reliability, maintenance free operation, low power consumption and up to 20000 hours life; the Laser light source results in a significantly lower total cost of ownership.

Steady and reliable operation without any risk of black screen – much more brightness stability during the life time of the light source.

A host of integrated features – including built-in 2TB screen server, 2 x 3G SDI Interfaces, HDMI interface for alternative content, advanced network and built-in GPIO functions with NAS support.

Sealed optical engine – minimising dust and smoke ingress, consistent performance is assured and no special maintenance is required.

Product Information

Product Name	NC1201L
Product Group	Laser Projector
Order Code	60003926

Optical

Projection Method	3-chip DLP™ Technology
Screen Size [m]	up to 12 in DCI colour (1.8 Gain screen)
Contrast Ratio	1650:1
Lamp	Laser Light Source, Expected Life: 20000 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" DC2K
Cooling Method	Circulating air cooling system; Special heat exchanger

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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Interfaces IMS NP90MS02 (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

Electrical

Power Supply	Built-in power supply Projector Power Supply Unit: 200 to 240V AC, 50/60Hz, single phase
Power Consumption [W]	1304 max.
Heat Dissipation (BTU)	4450

Environmental Conditions

Operating Temperature [°C]	10 to 35
Operating Humidity [%]	20 to 80 - non-condensing
Storage Temperature [°C]	-10 to 50
Storage Humidity [%]	20 to 80 - non-condensing

Mechanical

External Dimensions (W x H x D) [mm]	680 x 333 x 860
Weight [kg]	66 (without lens)
Fan Noise [dB (A)]	< 47
Regulations Europe	CE; DCI 1.2; EN55022 1998, Class A; EN55024 1998; EN60950-1; EN61000-3-2; EN61000-3-3; IEC60825-1 Ed. 3: Class 1; TÜV-GS
Regulations Russia	EAC; EN55022 1998, Class A; EN55024 1998; EN61000-3-2; EN61000-3-3; IEC60950-1

Additional Features

Special Characteristics	Built-in IMS; Dust sealed optical engine; Full HFR 3D support; Laser Light System; Latest digital technology; Metal filter; Play ingest
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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.

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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