

NC1700L NEC Laser Projector

Preliminary Datasheet



Laser focused on maximum cinematic experience for medium-sized venues

Designed for theatres with mid-sized screens of up to 17m wide, the NC1700L projector delivers an enhanced cinematic experience. Built upon the latest laser light source technology, the third generation of this compact digital cinema projector will delight your audience with crisper colours and exceptional image quality. The highly flexible and silent NC1700L allows for easy installation without the need for a special exhaust system thus supporting ceiling, floor or mobile applications.

Additionally, the maintenance free operation and a low, eco-friendly power consumption results in a reduced overall total cost of ownership (TCO) and therefore a greater per seat revenue. Take your audience to the next generation of digital cinema, delivering a stunning visual experience for a brighter future.

Benefits

Inspire your audience – present perfect cinema quality with DCI compliant 2K resolution, precise colour processing and adjustable constant brightness settings for the best viewing experience.

Enjoy a Lower TCO – highest reliability, maintenance free operation, low power consumption and up to 30000 hours life; the Laser light source results in a significantly lower total cost of ownership.

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.

Hassle-free Installation – wide zoom bayonet lens portfolio with motorised zoom, focus and lens shift enables customised installations and supports mobile use as well as easy replacement of current cinema projectors.

High reliability – the Solid Light Source provides up to 30000 hours of expected life, delivering adjustable brightness levels over a long period of time without any lamp exchange.

Brilliant for every purpose – The brightness output can be individually adjusted to provide crisp images whether enjoying 2D and 3D movie playback.

Product Information

Product Name	NC1700L
Product Group	NEC Laser Projector
Order Code	60004088

Optical

Projection Method	3-chip DLP™ Technology
Screen Size [m]	up to 17 in DCI colour (1.8 Gain screen)
Contrast Ratio	1600:1
Lamp	Laser Light Source, Expected Life: 30000 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 dark metal device
Cooling Method	Circulating air cooling system Liquid: Light source cooling by chiller

Connectivity IMS NP90MS02

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

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]	3350 max.

Environmental Conditions

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

Mechanical

External Dimensions (W x H x D) [mm]	700 x 326 x 930
Weight [kg]	68.5 (without lens)
Fan Noise [dB (A)]	< 55
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.

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