NEC NC1700L
Laser Projector

Datasheet

Laser focused on a supreme 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 RB laser technology, this innovation using a red and blue laser light source goes beyond the colour and brightness output of traditional laser phosphor cinema projection systems. Delight your audience with vibrant crisp colours and exceptional image quality.

With high flexibility for easy installation, the NC1700L does not require a special exhaust system, thus supporting ceiling, floor and mobile applications. Additionally, the virtually maintenance free operation and low, eco-friendly power consumption, results in a reduced overall total cost of ownership (TCO) and therefore a greater per seat margin. 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 and precise colour processing 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.

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.

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

All-in-one – The Integrated Media Server (IMS) offers highest flexibility for content management as well as NAS-connectivity and Real-time Ingest whilst reducing the number of peripheral devices required.

Product Information

Product Name	NEC NC1700L
Product Group	Laser Projector
Order Code	NP-NC1700L

Optical

Projection Method	3-chip DLP Cinema® Technology
Screen Size [m]	up to 17 in DCI colour (1.8 Gain screen)
Brightness	Up to 14000 Lumen
Contrast Ratio	1750:1
Light Source	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" S2K, DLP Cinema® Technology
Cooling Method	Circulating air cooling system Liquid: Light source cooling by chiller

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

Environmental Conditions

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

Electrical

Power Supply	Built-in power supply Projector Power Supply Unit: 200 to 240V AC, 50/60Hz, single phase
Power Consumption [W]	Projector Power: 1945

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

Additional Features

Special Characteristics	Compact model; Dust sealed optical engine; Full HFR 3D support; Laser Light System; Latest digital technology; Low TCO; Metal filter; Play ingest

Green Features

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

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

Warranty

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

External Chiller

Dimensions (W x H x D) [mm]	700 x 575 x 650; Hose length: 2m and 5m
Weight [kg]	108
Power Requirements	200-240 V, single phase, 10 A at 200 V AC
Power Consumption [W]	1640 max.
Noise Level [dB (A)]	< 60

[1] 50% of initial brightness at the end of specified laser life time at 25 degree ambient temperature.

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.