SHARP / NEC

NEC NC1503L
Digital Cinema Projector

Preliminary Datasheet

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 NC1503L 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	NEC NC1503L
Product Group	Digital Cinema Projector
Order Code	60005937

Optical

Projection Method	3-chip DLP Cinema® Technology
Screen Size [m]	up to 17 in DCI colour (1.8 Gain screen)
Brightness	14000 Lumen
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
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

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

Electrical

Power Supply	Built-in power supply Projector Power Supply Unit: 200 to 240V AC, 50/60Hz, single phase
Rated Input Current	Projector power: 10.5A @ 200V-240V
Power Consumption [W]	1835 max.
Heat Dissipation (BTU)	6268 max.

Mechanical

External Dimensions (W x H x D) [mm]	700 x 288 x 812 (without lens and protrusions)
Weight [kg]	68 (without lens)

Fan Noise [dB (A)]	< 50

Additional Features

Special Characteristics	Built-in IMS (IMS3000, optional); Compact model; Dust sealed optical engine; Full HFR 3D support; Laser Light System; Latest digital technology; Low TCO; Metal filter

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
Manufacturer	Dolby (The Dolby IMS3000 is not a NEC product. NEC shall not in any way be liable for any product specifications).

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; IEC61000-3-2/-3-3 (Marking: EAC)
United Arab Emitates	ECAS:IEC60950-1 (Marking: ECAS)

Warranty

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

[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