

Cinema Laser Projector

NEC NC1803ML



Modular Cinema Projection – a new standard in adaptable screening

The world's first cinema projector series offering a modular laser light system with projector head, all in one box. The modular concept allows you to plug-in the appropriate light modules based on the brightness you need. Protect your investment when migrating from 2D to 3D projection, or adapting your set-up to a wider screen.

Don't limit your venue's potential; go beyond cinema to increase your visitor numbers and maximise revenue. The modular light concept opens opportunities to screen alternative content for corporate presentations and gaming events.

You can expect a powerful modular projector that delivers compelling advantages when it comes to operation, efficiency and image quality. Ideally operating in medium-sized venues and with premium format cinema screens of up to 19m.

Benefits

Modular Light Source – achieve the light output which is perfectly adjusted to your requirements with exchangeable light modules 24,500lm, 20,000lm and 18,000lm for different brightness demands.

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.

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

Specifications

Product Information

Product Name

NEC NC1803ML

Product Group

Cinema Laser Projector

Components

Projector Head NP-02HD (60004880),
Laser Light Source NP-18LU03 (100015658)

Order Code

40001530

Optical

Projection Method

3-chip DLP Cinema® Technology

Screen Size [m]

up to 19 in DCI colour (1.8 Gain screen)

Brightness

Up to 18000 Lumen

Light Source

Laser Light Source, expected life: up to 50000 h¹

Lens

Zoom / Focus / Shift: Motorized
Other: Range of shift is dependent on lens
Primary Lenses: NC-60LS12Z:1.2-1.81:1; NC-60LS14Z:1.4-2.05:1;
NC-60LS16Z:1.59-2.53:1; NC-60LS24Z:2.4-3.9:1;
NC-60LS39Z:3.9-6.52:1

DMD Specifications

2048 x 1080
Chip: 0.98" S2K, DLP Cinema® Technology

Cooling Method

Circulating air cooling system
Liquid: Cooling inside, no chiller required

Connectivity Projector

External Controls

1 x D-Sub 9 pin (RS-232); 1 x GPIO (3D) (D-sub 15 pin female); 1 x GPIO (D-sub 37 pin female); 1 x RJ45 100Base-T; 1 x USB port (TypeA)

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: 18.1A @ 200V-240V

Power Consumption [W]

2934 typ.

Heat Dissipation (BTU)

11223 max.

Mechanical

External Dimensions (W x H x D) [mm]

697 x 509.5 x 1,337

Weight [kg]

141 (without lens)

Fan Noise [dB (A)]

< 50 (ISO 9296)

Additional Features

Special Characteristics

Built-in IMS (IMS3000, optional); Compact model; DCI compliant; Dust sealed optical engine; Laser Light System; Latest digital technology; Low TCO; Metal filter; Modular Light Source; Reduced costs

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); 3 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

Regulations

Europe

CE; DCI 1.2; EN55024; EN55032 Class A (Marking TUV,CE); EN61000-3-11; EN61000-3-12; EN61000-3-2; EN61000-3-3

Russia/Belarus/Kazakhstan

EAC; EN55024 1998; EN55032 1998, Class A; EN61000-3-2; EN61000-3-3

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

* 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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