Digital Cinema Projector Series

NC1040L Laser Projector

The NC1040L brings the introduction of laser technology to the projection realm for the first time. Designed for customers that are looking for an expanded color space beyond the DCI or Adobe RGB specifications. As a solid state light source the NC1040L provides up to 20,000 hours of life providing lower maintenance costs resulting in lower TCO. Perfect for smaller screen the NC1040L provides 14 ft-L on screens up to 32.8ft./10m.

An "all in one" Integrated Media Server with 2 TB Raid5 Storage offers versatile connectivity and savings with less peripheral devices needed. A host of integrated features includes a built-in 2 TB Raid5 screen server, 2 x 3G-SDI and 1 x HDMI interfaces, advanced network and built-in GPIO functions.

▌Delivering Genuine Benefits

- Compact and lightweight - easy to install in small projection booths and easy to transport for mobile cinema
- Enjoy lower TCO - up to 20,000 hours of laser lifetime keeps costs to a minimum. You can enjoy better quality imaging while experiencing an overall lower cost of ownership.
- Not only designed for the typical installation, ceiling mount capability allows for installations not previously possible with lamp technology in the digital cinema space.
- Highly flexible - as no exhaust system is required, the NC1040L is suitable for floor and ceiling installation and versatile content playback
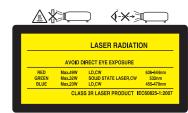
▌Outstanding Performance

- Unrivaled color space to create unequaled image quality from the most discernible Cinema, Graphics Designers or even Broadcasters.
- Expandable laser modules for customers looking for a projector that can do 2D and full 3D HFR with a single projector head.
- Laser module light output decreases linearly over time keeping image brightness more consisting over its life time. Additionally, more head room enables the output to be increased over time so that required brightness remains the same.

* assuming 1.8:1 gain screen

DIGITAL PICTURE BY
DLP
CINEMA™
TEXAS INSTRUMENTS

MODEL	NC1040L
OPTICAL	
Projection Method	3-chip DMD reflection method
Light Source	
NP-10LU01	5Klm laser w/ 2m fiber cable
Throw Ratio	
NC-50LS12Z	1.13 - 1.66
NC-50LS14Z	1.30 - 1.85
NC-50LS16Z	1.45 - 2.17
NC-50LS18Z	1.63 - 2.71
NC-50LS21Z	1.95 - 3.26
L2K-30ZM	2.71 - 3.89
Lens Zoom / Focus	Motorized
F-number, f-number	
NC-50LS12Z	F=2.5, f= 35.2 - 51.6mm
NC-50LS14Z	F=2.5, f= 40.6 - 57.8mm
NC-50LS16Z	F=2.5, f= 45.2 - 68mm
NC-50LS18Z	F=2.5, f= 50.9 - 85.2mm
NC-50LS21Z	F=2.5, f= 60.8 - 102.3mm
L2K-30ZM	F=2.5, f= 85 - 121.6mm
Resolution	4096 x 2160
Laser	
Supported Screen Size (max)	Up to 31 ft/9.5m@14ft-L in DCI color (1.8 gain screen)
Contrast Ratio	2000:1
Cooling Method	Liquid cooling inside, air cooling with dust-preventing electrostatic filter
DMD Specifications	1.38" DLP chip
CONNECTIVITY	
Input Terminals	
IMS	HDMI, 2 x 3G-SDI bidirectional (input and output), 3 x USB Type A, 1 x eSATA
Projector (Optional Boards)	4 x 3G-SDI port [BNC] / 2 x DVI port [DVI-digital] (Optional)
Output Terminals (IMS)	2 x RJ45 (16-channel AES3-EBU Digital Audio) / 24 bits up to 96 KHz
External Control	
IMS	2 x RJ45 (4 GPI and 6 GPO) / 2 x RJ45 Gigabit Ethernet
Projector	1 x LAN port [RJ-45] / 1 x USB port[Type A] / 1 x Serial port (RS-232C) [D-sub(9-pin)] / 1 x General Purpose I/O [D-sub (37-pin)] / 1 x General Purpose I/O for 3D (D-sub[15-pin]) / 1 x Remote control connector
ELECTRICAL	
Power Requirements:	
Head	100-130V AC / 200-240V AC, 50/60Hz Single Phase
Laser Module	200-240V AV, 50/60Hz, Single Phase
Power Consumption:	
Head	400W
Laser Module	1300W (typ.)
MECHANICAL	
External Dimensions:	
Head	26.3 x 29.1 x 14.4 in. / 666 x 737 x 364mm
Laser Module	17.8 x 30.7 x 25.7 in. / 450 x 780 x 652mm
Weight:	
Head	112lbs. / 50kg (excluding lens and IMS)
Laser Module	161lbs. / 73kg
Fan Noise:	
Head	<45dB
Laser Module	54dB (typ.)
ENVIRONMENTAL	
Operating Temperature	50° – 95°F / 10° – 35°C
Humidity	10-85% non-condensing
Storage	-14° – 122°F / -10° – 50°C
REGULATIONS	
U.S.	UL60950-1 / FCC Part15 Class A (Marking: UL)
Canada	CSA60950-1 / ICES-003 Class A (Marking: C-UL)
Latin America	IEC60950-1 / EN55022 Class A / EN55024 / EN61000-3-2/-3-3 (Marking: CE)
Limited Warranty (parts & labor)	Registered owners receive a 2-year parts and labor warranty.
IMS	Integrated Storage Server: 2 TB RAID5 Integrated SMS Full HFR 3D Support (48 Hz/eye, 60 Hz/eye)

- **MINIMAL MAINTENANCE** and trouble-free lamp replacement. Operater can replace lamps without any special protection.

- **SIMPLE OPERATION** One touch operation, ergonomic keyboard layout and memory functions.

- **MANY LENS OPTIONS** for easy installation.

- **HIGH FRAME RATE (HFR) CAPABILITY** for outstanding picture quality.

- **NEC INTEGRATED MEDIA SERVER (IMS)** as trouble free one-stop solution.

- **GREAT CONNECTIVITY** including two 3G-SDI interfaces and 1 HDMI interfaces.

LASER RADIATION

AVOID DIRECT EYE EXPOSURE

RED	Max.49W	LD,CW	636-644nm
GREEN	Max.32W	SOLID STATE LASER,CW	532nm
BLUE	Max.23W	LD,CW	455-470nm

CLASS 3R LASER PRODUCT IEC60825-1:2007

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LASER APERTURE

24L7****

ORDERING MODEL NUMBERS

NP-NC1040L-A

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