

Digital Cinema Projector Series

NC1700L Laser Projector

DCI-compliant laser light source projector

The NC1700L features a built-in laser light source and is the ideal digital cinema projection solution for theaters with small screens or projection booths that are looking for high-quality cinema projection. This projector's reliability, maintenance-free operation and approximately 20,000* hours of lifetime result in an overall lower total cost of ownership. The 2K DCI-compliant cinema quality means an outstanding image that is bright enough to display 14 ft-L on screens up to 55.8 ft./17m** in DCI color.



DIGITAL
PICTURE BY
DLP
CINEMA
TEXAS INSTRUMENTS

Delivering Genuine Benefits

- Maintenance-free operation for a long period of time with approximately 20,000* hours expected usage of the light source and DMD
 - Higher reliability
 - Lower running cost due to savings of:
 - (a) No lamp replacement
 - (b) No maintenance labor
 - (c) No need of Stocking Lamps
- Play captivating 3D content - take your establishment into the next generation and stay ahead of the competition with the latest digital content, an increasingly essential element of the latest movies and media
- Highly flexible - as no exhaust system is required, the NC1700L is suitable for floor and ceiling installation and versatile content playback

Outstanding Performance

- Steady and reliable operation without any risk of black screen -No downtime while exhibition of contents with Laser Light Source, with which brightness may slightly decrease
- Longevity and lower maintenance provide for greater customer satisfaction with the introduction of the laser light source NC1700L projector.
- Enjoy lower TCO - up to 20,000 hours of lifetime keeps costs to a minimum. You can enjoy better quality imaging while experiencing an overall lower cost of ownership. Brightness decreases in a linear fashion resulting in consistent image quality and greater satisfaction for your customers.
- RB laser system features red and blue lasers paired with green phosphor to produce a rich color spectrum with unsurpassed brightness for the ultimate cinema experience.

Super Dust Protection

- NEC's patented heat exchanger along with a newly developed and sealed optical engine offer the best overall performance while providing theater owners a greater piece of mind.

* This life time may vary depending upon environmental conditions.

** Assuming 1.8:1 gain screen

UNIQUE FEATURES

MINIMAL MAINTENANCE Operation for approximately 20,000* hours with long life of the light source and DMD.

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.

ACCESSORIES

Optional Lenses

NP-9LS12ZM1, NP-9LS13ZM1, NP-9LS16ZM1
NP-9LS20ZM1, NP-9LS40ZM1

Integrated Media Server

NP-90MS02-4K

ORDERING MODEL NUMBERS

NP-NC1700L-BNDL

Consists of: NC1700L, NC17CU01, NC17AL01



This product has been equipped with a laser module and is classified according to Class 1 of Safety of Laser Products IEC 60825-1:2014 Ed.3.

DO NOT LOOK DIRECTLY INTO THE BEAM.

* This life time may vary depending upon environmental conditions

** Without protrusions



		NC1700L
OPTICAL		
Projection Method		3-chip DMD reflection method (DLP light Engine)
Light Source		Laser light source
Throw Ratio	NP-9LS12ZM1 w/lens memory	1.2 - 1.72:1
	NP-9LS13ZM1 w/lens memory	1.33 - 2.1:1
	NP-9LS16ZM1 w/lens memory	1.62 - 2.7:1
	NP-9LS20ZM1 w/lens memory	2.09 - 3.9:1
	NP-9LS40ZM1 w/lens memory	4.07 - 6.34
Lens Zoom / Focus		Motorized
F-number, f-number	NP-9LS12ZM1 w/lens memory	F=2.5, f= 18.6 - 26.7mm
	NP-9LS13ZM1 w/lens memory	F=2.5, f= 20.7 - 32.7mm
	NP-9LS16ZM1 w/lens memory	F=2.5, f= 25.2 - 42mm
	NP-9LS20ZM1 w/lens memory	F=2.5, f= 32.2 - 60.3mm
	NP-9LS40ZM1 w/lens memory	F=2.5, f= 62.1 - 97.8mm
Lens Shift		"NP-9LS40ZM1 (motorized) -0.5 to +0.55 Vertical, +/- 0.11 Horizontal; ZM1 Series (motorized) -0.5 to +0.5 Vertical, +/-0.11 Horizontal"
Resolution		2048 x 1080
Supported Screen Size (max)		"Up to 55.8 ft/17m @ 14ft-L in DCI color (1.8 gain screen)"
Tilt Angle		+10 to -15
Contrast Ratio		1750:1
Cooling Method	Projector	Air Cooled
	Laser/Phosphor	Liquid Cooled with external chiller
DMD Specifications		0.69" DMD chip
CONNECTIVITY		
Input Terminals	IMS	HDMI, 2 x 3GSDI, 1 x USB2, 2 x USB3, 1 x eSATA
Output Terminals (IMS)		"2 x RJ45 (16-channel AES3-EBU Digital Audio) / 24 bits up to 96 KHz"
External Control	IMS	"1 x RJ45 (4 x GPI), 1 x RJ45 (6 x GPO) / 3 x RJ45 Gigabit Ethernet"
	Projector	"1xRJ45 100BASE-T / 1xSERIAL RS232C compliant(D-SUB 9pin female) / 1xGPIO (D-sub 37 pin female) / 1xGPIO (3D) (D-sub 15 pin female)"
ELECTRICAL		
Power Requirements	Projector	220 - 240V AC, 50/60Hz Single Phase
	Chiller	220 - 240V AC, 50/60Hz Single Phase
Input Current	Projector	10.7A
	Chiller	10.3A
MECHANICAL		
External Dimensions	Projector	27.56 x 36.61 x 12.83 in. / 700 x 930 x 326mm
	Chiller	27.56 x 25.59 x 22.64 in. / 700 x 650 x 575mm
Weight	Projector	151.0 lbs. / 68.5 kg
	Chiller	238.0 lbs. / 108.0 kg
Fan Noise	Projector	55dB
	Chiller	60dB
ENVIRONMENTAL		
Operating Temperature		50° - 95°F / 10° - 35°C
Humidity		20-80% non-condensing
Storage		-14° - 122°F / -10° - 50°C
REGULATIONS		
U.S.	Projector	UL60950-1 (2nd)/ FCC Part15 Class A (Marking: UL)
	Chiller	IEC60950-1 / FCC Part15 Class A (Marking: cTUVus)
Canada		"CSA60950-1 (2nd) / ICES-003 Class A (Marking: C-UL, DoC of Canada)"
Latin America		IEC60950-1 / CISPR.32 Class A (Marking: CE)
International Laser	USA	"IEC60825-1 Edition2 2007 : Class4 (*1) FDA(21 CFR 1040.10 and 1040.11)"
	Others	IEC60825-1 Edition3 : Class1 & IEC62471-5 RG3 (*2)
Limited Warranty (parts & labor)		"Registered owners receive a 2-year parts and labor warranty"
IMS (NP-90MS02-4K)		"Integrated Media Server: 2TB Integrated SMS Full HFR 3D Support (48 Hz/eye, 60 Hz/eye)"

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NEC Display Solutions

500 Park Boulevard, Suite 1100
Itasca, IL 60143
866-NEC-MORE