

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 and mid-sized screens or projection booths that are looking for high-quality cinema projection. This projector's reliability, maintenance-free operation and 30,000* hours lifetime result in a 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 colour.



Delivering Genuine Benefits

- Maintenance-free operation for a long period of time with 30,000* hours of expected usage of the light source and DLP Cinema® chips.
 - Higher reliability
 - Lower running cost due to savings of:
 - (a) No lamp replacement
 - (b) No maintenance labour
 - (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

- The RB laser system features red and blue lasers paired with green phosphor to produce a rich colour spectrum with unsurpassed brightness for the ultimate cinema experience.
- Steady and reliable operation without any risk of black screen. No downtime during the exhibition of contents with the laser light source, with which brightness may slightly decrease.
- Enjoy lower TCO - up to 30,000* 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.

Super Dust Protection

- NEC's unique cooling system includes separate independent cooling sections for dust protection in both the optical engine and light source offering the best overall performance while providing theatre owners piece of mind.

Integrated Media Server NP-90MS02 (Option)

An "all in one" integrated media server with 2 TB of RAID 5 storage offers versatile connectivity and savings with fewer peripheral devices needed. A host of integrated features includes a built-in 2 TB RAID 5 screen server, 2 x 3GSDI and 1 x HDMI interfaces, and advanced network and built-in GPIO functions.



Integrated Media Server
NP-90MS02

* The lifetime is not warranty. Screen width may vary depending upon environmental conditions.
** Screen width may vary depending upon environmental conditions.

UNIQUE FEATURES

EXCELLENT COLOUR REPRODUCTION
adopting Red Laser in addition to Blue Laser.

MANY LENS OPTIONS
for easy installation.

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

GREAT CONNECTIVITY
including two 3G-SDI interfaces and 1 HDMI interface.
through IMS.

ORDERING MODEL NUMBERS

- NP-NC1700L
 1) Projector: NP-NC1700L
 2) Chiller: NP-17CU01
 3) Coolant for Chiller: NP-17AL02

OPTIONS

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

Integrated Media Server
 NP-90MS02



Specifications

MODEL		NC1700L	
OPTICAL	Projection Method	3 chip DLP relection method (DLP light Engine)	
	Light Source	Laser (Blue and Red) with Phosphor (Green)	
	Expected Life*	30,000 hours	
	DLP Cinema® Chip	0.69" DC2K	
	Resolution	2,048 × 1,080	
	Brightness	14,000 lm	
	Contrast Ratio	1,750:1	
	Throw Ratio	NP-9LS12ZM1	1.2 – 1.72
		NP-9LS13ZM1	1.33 – 2.1
		NP-9LS16ZM1	1.62 – 2.7
		NP-9LS20ZM1	2.09 – 3.9
		NP-9LS40ZM1	4.07 – 6.34
	Lens Zoom / Focus		Motorised
	F-number, f-number	NP-9LS12ZM1	F-2.5, f = 18.6 – 26.7mm
		NP-9LS13ZM1	F-2.5, f = 20.7 – 32.7mm
NP-9LS16ZM1		F-2.5, f = 25.2 – 42.0mm	
NP-9LS20ZM1		F-2.5, f = 32.2 – 60.3mm	
NP-9LS40ZM1		F-2.5, f = 62.1 – 97.8mm	
Lens Shift**		-0.5 to +0.5 Vertical, +/-0.11 Horizontal	
Supported Screen Size (max)***		Up to 17 m / 55.8 ft	
Tilt Angle		projector foot +10 (up) / -15 (down) degrees adjustable	
Cooling Method	Projector	Air Cooled	
	Laser/Phosphor	Liquid Cooled with external chiller	
CONNECTIVITY	Coconnectivity IMS NP-90MS02	External Controls	2 × RJ45 (4 GPI and 6 GPO); 3 × RJ45 Gigabit Ethernet
		Input Terminals	1 × USB Type 2.0; 2 × 3GSDI bidirectional (input and output); 2 × USB Type 3.0; eSATA; HDMI
		Output Terminals	2 × 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	
Connectivity Projectors	External Controls	1 × GPIO (3D) (D-sub 15 pin female); 1 × GPIO (D-sub 37 pin female); 1 × RJ45 100Base-T	
ELECTRICAL	Power Requirements	Projector	200 – 240 V AC, 50/60 Hz Single Phase
		Chiller	200 – 240 V AC, 50 Hz Single Phase / 220 – 240 V AC, 60 Hz Single Phase
	Input Current	Projector	10.3 A @ 200 V AC
		Chiller	9.2 A @ 200 V AC at 50 Hz
Power Consumption	Projector	1,945 W	
	Chiller	1,640 W @ 200 V AC at 50 Hz	
MECHANICAL	External Dimensions**** (W x D x H)	Projector	700 (W) × 930 (D) × 326 (H) mm
		Chiller	700 (W) × 650 (D) × 575 (H) mm
	Weight	Projector	68.5 kg (Excluding lens)
		Chiller	108 kg (Excluding coolant)
Fan Noise	Projector	55 dB	
	Chiller	60 dB	
ENVIRONMENTAL	Operating Temperature		50° – 95°F / 10° – 35°C
	Humidity		10 – 85 % non-condensing
	Storage		-14° – 122°F / -10° – 35°C
REGULATIONS	Oceania	Projector	IEC60950-1, AS / NZS CISPR. 22 ClassA (Marking: RCM)
		Chiller	AS / NZS 61000.6.2 / 4 / 3.3 (Marking RCM)
	Korea	Projector	K60950-1, KN32, KN35 ClassA (Marking KC)
		Chiller	KN32, KN35 ClassA (Marking KC)
	India	Projector	IS13252 (PART 1) 2010 (Marking BIS)
		Chiller	-
	Taiwan	Projector	CNS14336-1, CNS13438 (Marking BSMI)
		Chiller	-
	Other Asia	Projector	IEC60950-1, EN55024, EN55032 CLASS A, EN61000-3-2 / -3-3 (Marking CE)
		Chiller	IEC60335-1/-2-40, IEC62233, EN61000-3-2 / -3-3 / -6-2 / -6-4 (Marking CE)
LASER / LAMP STANDARD		IEC60825-1 Ed.3: 2014 Class1, IEC62471-5: 2015 RG3	

* The lifetime may vary depending upon environmental conditions. This lifetime is not warranty
 ** Lens Shift slightly varies depending upon each lens
 *** Screen width may vary depending upon environmental conditions.
 **** Without protrusions

These products have been equipped with a laser module and is classified as Class1 of IEC60825-1 2014 and RG3 of IEC62471-5 2015. DO NOT LOOK DIRECTLY INTO THE BEAM.

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