

# Digital Cinema Projector Series NC1503L Laser Projector

## DCI-compliant laser light source projector

The NC1503L 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 approximately 50,000\* 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 55.4ft./16.9\*\* in DCI color.



## Delivering Genuine Benefits

- Maintenance-free operation for a long period of time with approximately 50,000\* 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 NC1503L 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 NC1503L projector.
- Enjoy lower TCO - up to 50,000\* 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.

\* At normal usage conditions and does not constitute the warranty period.

\*\* Assuming 1.8:1 gain screen

**Unique Features**

**MAINTENANCE-FREE**

Operation for approximately 50,000\* hours with long life of the light source and DMD.

**SIMPLE OPERATION**

One touch operation, keypad layout and memory functions.

**MANY LENS OPTIONS**

For easy installation.

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

**Accessories**

**Optional Lenses**

NP-9LS08ZM1, NP-9LS12ZM1, NP-9LS13ZM1,  
NP-9LS16ZM1 NP-9LS20ZM1,

**Ordering Model Numbers**

NP-NC1503L



NP-NC1503L - 14,000-lumens 2K Laser Projector				
OPTICAL	Projection Method		3-chip DLP Cinema® Technology	
	Light Source		Laser Light Source	
	DMD Specifications		0.69" S2K DLP Cinema® Chip	
	Resolution	Native	2048 x 1080	
	Contrast Ratio		1,600:1	
	Brightness (Lumens)		14,000	
	Light Source Life (up to)		50,000* hours	
	Supported Screen Size (width)		Up to 55.4 ft. / 16.9m	
	Throw Ratio	NP-9LS08ZM1	0.84 - 1.26:1	
		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 to 3.9:1	
	Projection Distance		2.9 - 35.9 ft. / 0.9 - 10.9 m	
	Tilt Angle		+10/- 15° (Up / Down)	
Zoom		Motorized		
Focus		Motorized		
Lens Shift		+/-0.15 Vertical, +/-0.10 Horizontal		
Cooling Method		Air and liquid cooling inside		
CONNECTIVITY			1x3D(D-sub 15pin female), 1xGPIO(D-sub 37pin female), 1xUSB(Type-A), 1xLAN(100Base-T, RJ45), 1xSERIAL(RS-232C, D-sub 9pin female)	
ELECTRICAL	Power Requirements		200 – 240V AC, 50/60Hz Single Phase	
	Input Current		10.5A	
	Power Consumption	Typical	1837W	
	Heat Load (max. power)	Typical	6268BTU	
MECHANICAL	Product Dimensions (WxHxD)**		27.6 x 13.1 x 32.0 in. (700 x 333 x 812mm)**	
	Net Weight		150 lbs. / 68 kg (excluding lens)***	
	Shipping Dimensions (WxHxD)		35.8 x 19.1 x 44.6 in. (909 x 484 x 1132 mm)	
	Gross Weight		180 lbs. (81.5 kg)	
	Fan Noise		50dB	
ENVIRONMENTAL	Operating	Temperature	50-96°F / 10-35°C	
		Humidity	10 to 85% Humidity (Non-Condensing)	
	Storage	Altitude	0 to 3000 m (9,800 ft)	
		Temperature	14-122°F / -10 50°C	
		Humidity	10% - 85% (non-condensing)	
		Altitude	0-12,000m / 0-39,370ft (above sea level)	
Regulations	USA		Safety: UL62368-1:3rd Edition, EMC Class A: FCC Part15 Subpart B (ANSI C63.4-2014), Marking: UL, FCC	
	Canada		Safety: CAN/CSA C22.2 No. 62368-1:19 (3rd edition), EMC: ICES-003 Issue7 ANSI C63.4-2014, ClassA, Marking: CAN ICES-3(A)/NMB-3(A)	
	Latin America		IEC60950-1, CISPR 32 CLASS A, CISPR 24, IEC61000-3-2/-3-3	
	Laser Safety	USA	IEC60825-1 Ed.3:2014 Class 1 IEC62471-5 :2015 Risk Group 3, Laser Notice No. 57	
Others		IEC60825-1 Ed3 2014 Class1, IEC62471-5 Risk Group3		
Limited Warranty (Parts & Labor)			Registered owners receive a 2-year parts and labor warranty	

\* At normal usage conditions and does not constitute the warranty period.

\*\* Without lens and protrusions

\*\*\* Without lens

\*\*\*\* This product complies with performance standards for laser products under 21 CFR Part 1040 except with respect to those characteristics authorized by Variance Number 2015-V-3435 effective on April 7, 2016.

DO NOT LOOK DIRECTLY INTO THE BEAM

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