Digital Cinema Projector Series

NC3541L / NC2041L Laser Projector

The NC3541L / NC2041L introduced laser technology to the projection realm for the first time.

The NC3541L series features a built-in laser light source with blue and red laser diodes and outputs 35 Klm* - brightest in the cinema market as a laser phosphor projector. NEC provides a full laser phosphor projector lineup from small to large screens for affordable installations. This projector's reliability, maintenance-free operation and 30,000** hours lifetime result in a lower total cost of ownership.

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 stock 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 NC3541L series is suitable for floor and ceiling installation and versatile content playback.
- No external chiller - a cooling system is built into the projector, which removes the need for costly HVAC.

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 × 3GSDI and 1 × HDMI interfaces, and advanced network and built-in GPIO functions.

Integrated Media Server
NP-90MS02

* NC2041L is 20 Klm.
** The lifetime may vary depending upon environmental conditions. The lifetime is not warranty.

UNIQUE FEATURES

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

MANY LENS OPTIONS
for easy installation.

4K Resolution
for outstanding picture quality.

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-NC3541L, NP-NC2041L

OPTIONS

Optional Lenses
NC-50LS12Z, NC-50LS14Z, NC-50LS16Z, NC-50LS18Z, NC-50LS21Z, L2K-30ZM

Integrated Media Server
NP-90MS02

Specifications

MODEL			NC3541L	NC2041L
OPTICAL	Projection Method		3-chip DLP reflection method (DLP light Engine)	
	Light Source		Laser (Blue and Red) with Phosphor (Green)	
	Expected Life*		30,000 hours	
	DLP Cinema® Chip		1.38" DC4K	
	Resolution		4,096 × 2,160	
	Brightness		35,000 lumens	20,000 lumens
	Contrast Ratio		2,000:1	
	Throw Ratio	NC-50LS12Z	1.13 – 1.66:1	
		NC-50LS14Z	1.30 – 1.85:1	
		NC-50LS16Z	1.45 – 2.17:1	
		NC-50LS18Z	1.63 – 2.71:1	
		NC-50LS21Z	1.95 – 3.26	
		L2K-30ZM	2.71 – 3.89	
	Lens Zoom / Focus		Motorised	
	F-number, f-number	NC-50LS12Z	F = 2.5, f = 35.2 – 51.6 mm	
		NC-50LS14Z	F = 2.5, f = 40.6 – 57.8 mm	
		NC-50LS16Z	F = 2.5, f = 45.2 – 68 mm	
		NC-50LS18Z	F = 2.5, f = 50.9 – 85.2 mm	
		NC-50LS21Z	F = 2.5, f = 60.8 – 102.3 mm	
		L2K-30ZM	F = 2.5, f = 85.0 – 121.6 mm	
	Lens Shift		-0.06 to +0.06 Vertical, +/-0.02 Horizontal	
	Supported Screen Size (max)**		Up to 32 m	Up to 20 m
	Tilt Angle		Tilt Free	
	Cooling Method	Projector	Liquid Cooled	
CONNECTIVITY	Connectivity 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		200 - 240 V AC, 50/60 Hz Single Phase	
	Input Current		30 A	16.3 A
	Power Consumption		4,485 W	2,225 W
MECHANICAL	External Dimensions*** (W × D × H)		697 × 1180 × 455 mm	
	Weight		169 kg (Excluding lens)	128 kg (Excluding lens)
	Fan Noise		55 dB	53 dB
ENVIRONMENTAL	Operating Temperature		10° – 35°C	
	Humidity		10 – 85% non-condensing	
	Storage		-10° – 50°C	
REGULATIONS	Oceania	Safety	EN60950-1 (Marking: RCM)	
		EMC	AS/NZS CISPR 32. Class A	
	Korea	Safety	K60950-1 (Marking KC)	
		EMC	KN32 Class A, KN35	
	Other Asia	Safety	EN60950-1 (Marking CE)	
		EMC	EN55022 Class A, EN55032 Class A, EN55024, EN61000-3-2, EN61000-3-3, EN61000-3-11, EN61000-3-12	
LASER / LAMP STANDARD			IEC60825-1: 2014 Class 1 IEC62471-5: 2015 RG3	

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

** 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.

http://www.nec-display.com/ap/

Cat. No. WDDC-1709-0013DC