NC2041L and NC3541L Projectors
Digital Cinema Projector Series

The NC2041L and NC3541L bring the introduction of RB laser technology to the projection realm for the first time.

The NC2041L/NC3541L features a built-in laser light source with Blue and Red laser diodes and outputs 20Klm/35Klm respectively. The NC3541L - brightest in the cinema market as a laser phosphor projector. Sharp/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* of lifetime result in an overall total cost of ownership.

Delivering Genuine Benefits

Maintenance-free operation for a long period of time with approximately 30,000* 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 NC2041L/NC3541L is suitable for floor and ceiling installation and versatile content playback

No external chiller - required as cooling system is built into the projector removing the need for costly HVAC

Outstanding Performance

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.

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

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.

An optional "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 3GSDI and 1 x HDMI Interfaces, advanced network and built-in GPIO functions.

** 30,000hours @50% decrease from initial laser power@90% - 20,000hours @50% decrease from initial laser power @100%
The life time may vary depending upon environmental conditions.*

UNIQUE FEATURES

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

MANY LENS OPTIONS for easy installation.

Currently supports 4K @ 30fps for outstanding picture quality.

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

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

ORDERING MODEL NUMBERS

NP-NC2041L

NP-NC3541L

ACCESSORIES

Optional Lenses

NC-50LS12Z, NC-50LS14Z, NC-50LS16Z, NC-50LS18Z, NC-50LS20Z, L2K-30ZM

Integrated Media Server

NP-90MS02-4K

* This life time may vary depending upon environmental conditions

** Without protrusions

		NC2041L	NC3541L
OPTICAL			
Projection Method		3-chip DMD reflection method (DLP light Engine)	
Light Source		Laser (Blue and Red) with Phosphor (Green)	
DMD Specifications		1.38" DC4K DMD chip	
Resolution		4096 x 2160	
Contrast Ratio		2000:1	
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		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= 85.0 - 121.6mm	
Lens Shift		+/-6% Vertical, +/-2% Horizontal	
Supported Screen Size (max)		Up to 65.6 ft./20m	Up to 105 ft./32m
Cooling Method	Projector	Liquid Cooled (internal)	
CONNECTIVITY with Required IMS			
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 37pin female) / 1xGPIO (3D) (D-sub 15 pin female)	
ELECTRICAL			
Power Requirements		220 - 240V AC, 50/60Hz Single Phase	
Input Current		17.5A	30A
Power Consumption		2885W	4885W
Heat Load (max. power)		9844 BTU/h	16,668 BTU/h
MECHANICAL			
External Dimensions** (W x D x H)		27.4 x 46.5 x 17.9 in. / 697 x 1180 x 455mm (tbd)	
Weight		317.5 lbs. / 144 kg	372.6 lbs. / 169 kg
Fan Noise		53dB	55dB
ENVIRONMMENTAL			
Operating Temperature		50° – 95°F / 10° – 35°C	
Humidity		20-80% non-condensing	
Storage		-14° – 122°F / -10° – 50°C	
REGULATIONS			
U.S.		UL60950-1 (2nd)/ FCC Part15 Class A (Marking: UL)	
Canada		CSA60950-1 / ICES-003 Class A (Marking: CAN ICES-38(A)/NMB-38(A))	
Latin America		EN60950-1/EN55022 Class A,EN55032 Class A,EN55024, EN61000-3-2/-3-3/-3-11/-3-12 (Marking CE)	
Laser Safety	USA	IEC60825-1 Edition3 2014 : Class1, IEC62471 2006 : RG3, FDA(21 CFR 1040.10 and 1040.11)	
	Others	IEC60825-1 Edition3 2014 : Class1, IEC62471 2006 : RG3	
Limited Warranty (parts & labor)		Registered owners receive a 2-year parts and labor warranty	
IMS (NP-90MS02-4K)		Integrated Media Server: 2 TB Integrated SMS Full HFR 3D Support (48 Hz/eye, 60 Hz/eye)	

(*1) This product has been equipped with a laser module and is classified as Class1 of IEC60825-1 Edition3 2014 and RG3 of IEC62471 2006, DO NOT LOOK DIRECTLY INTO THE BEAM.

Sharp NEC Display Solutions of America

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