

# Digital Cinema Projector Series

## NC900C projector

The NC900C is the ideal digital cinema projection solution for theaters with small screens or projection booths that are looking for high-quality cinema projection at an affordable price. This projector also delivers a solution for art houses, mobile cinemas, theaters in universities and public buildings, and even for high-end home cinemas. The 2K DCI-compliant cinema quality means an outstanding image that is bright enough to display 14 ft-L on screens up to 30 ft./9m\* in DCI color.



*An "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.*

### Delivering Genuine Benefits

- Compact and lightweight - easy to install in small projection booths and easy to transport for mobile cinema
- Enjoy lower TCO - easy lamp replacement, lower lamp cost and simple servicing. You can enjoy better quality imaging while experiencing an overall lower cost of ownership.
- 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 NC900C is suitable for floor and ceiling installation and versatile content playback

### Outstanding Performance

- A brand new S2K chip set from TI makes the NC900C the most compact 2K DCI-certified digital cinema projector on the market
- Improved mobility and easy exchange of lamps and lenses makes the NC900C perfect for smaller theaters and venues
- Easy dual lamp system ensures no blackscreen. In the unlikely event of a single lamp issue, the projector will continue to operate with a single lamp. A new lamp can be replaced while the projector is still operating, ensuring that there is no interruption to the movie or event. Note: This hot-swap functionality will be available in spring 2013 via projector software.

\* assuming 1.8:1 gain screen

## Specifications for NC900C

MODEL	NC900C
<b>OPTICAL</b>	
Projection Method	3-chip DMD reflection method
Throw Ratio	
NP-9LS14Z	1.36 - 1.63:1
NP-9LS16Z	1.63 - 2.03:1
NP-9LS20Z	2.03 - 2.72:1
NP-9LS27Z	2.72 - 4.07:1
NP-9LS40Z	4.07 - 6.34:1
Lens Zoom / Focus	Motorized
F-number, f-number	
NP-9LS14Z	F=2.5, f= 21.2 - 25.8mm
NP-9LS16Z	F=2.5, f= 25.5 - 32mm
NP-9LS20Z	F=2.5, f= 31.9 - 42.6mm
NP-9LS27Z	F=2.5, f= 40.8 - 62.8mm
NP-9LS40Z	F=2.5, f= 62.1 - 97.8mm
Lens Shift	Motorized -0.5% to +0.55% Vertical, +/-0.11% Horizontal
Resolution	2048 x 1080
Lamp Bulbs	350W (NSH) x 2
Supported Screen Size (max)	Up to 30 ft./9m@14ft-L in DCI color (1.8 gain screen)
Contrast Ratio	1600:1
Cooling Method	Air cooling with dust-preventing electrostatic filter
DMD Specifications	0.69" DLP chip
<b>CONNECTIVITY</b>	
Input Terminals	
IMS	HDMI**, 2 x 3GSDI, 3 x USB Type A, 1 x eSATA
Projector (Optional Boards)	NC-80DS01-B: 2 x dual HDSDI, 2 x DVI (HDCP) NC-80LB01-B: 2 x dual HDSDI, 2 x DVI (HDCP) + Enigma (for cinema server)
Output Terminals (IMS)	2 x RJ45 (16-channel AES3-EBU Digital Audio) / 24 bits up to 96 KHz
External Control	
IMS	2 x RJ45 (4 GPI and 6 GPO) / 2 x RJ45 Gigabit Ethernet
Projector	1 x RJ45 Gigabit Ethernet / 1 x GPIO (D-sub 37 pin female) / 1 x GPIO (3D) (D-sub 15 pin female)
<b>ELECTRICAL</b>	
Power Requirements	100 - 240V AC, 50/60Hz Single Phase
Input Current	
Dual Lamp	100 to 130V: 10.3A to 7.9A / 200 to 240V: 5.1A to 4.3A
Power Consumption	
Dual Lamp	1023W / 985W
<b>MECHANICAL</b>	
External Dimensions	25 x 32 x 13 in. / 621 x 798 x 314mm
Weight	97 lbs. / 44 kg
Fan Noise	52 dB
<b>ENVIRONMENTAL</b>	
Operating Temperature	50° - 95°F / 10° - 35°C
Humidity	10-85% non-condensing
Storage	-14° - 122°F / -10° - 50°C
<b>REGULATIONS</b>	
U.S.	UL60950-1 / FCC Part15 Class A (Marking: UL)
Canada	CSA60950-1 / ICES-003 Class A (Marking: C-UL)
Latin America	IEC60950-1 / EN55022 Class A / EN55024 / EN61000-3-2/-3-3 (Marking: CE)
<b>Limited Warranty (parts &amp; labor)</b>	Registered owners receive a 2-year parts and labor warranty. The lamp is covered for 2 years or 3000 hours, whichever comes first.
<b>IMS</b>	Integrated Storage Server: 2 TB RAID5 Integrated SMS Full HFR 3D Support (48 Hz/eye, 60 Hz/eye)

- **MINIMAL MAINTENANCE** and trouble-free lamp replacement. Operator can replace lamps without any special protection.
- **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.
- **GREAT CONNECTIVITY** including 2 x 3GSDI and 1 x HDMI\*\* interfaces.



### ORDERING MODEL NUMBERS

NP-NC900C-A

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