

Empowered by Innovation

NEC

Digital Cinema Projector Series

# NC900C projector



DIGITAL  
PICTURE BY  
**DLP**  
CINEMA  
TEXAS INSTRUMENTS

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 31 ft. / 9.5 m\* in DCI color.

\* assuming 1.8:1 gain screen

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.



# Specifications for NC900C

MODEL	NC900C		
<b>OPTICAL</b>			
Projection Method	3-chip DMD reflection method		
Lenses	Z Series	ZM Series	
	Model Name	Throw Ratio	F-number, f-number
	NP-9LS16Z	1.63 - 2.03:1	F=2.5, f= 25.5 - 32 mm
	NP-9LS20Z	2.03 - 2.72:1	F=2.5, f= 31.9 - 42.6 mm
	NP-9LS40Z	4.07 - 6.34:1	F=2.5, f= 62.1 - 97.8 mm
			NP-9LS12ZM
			NP-9LS13ZM
			NP-9LS16ZM
			NP-9LS20ZM
Lens Zoom / Focus	Motorized		
Lens Shift	Z Series (motorized) -0.5 to +0.55 Vertical, +/-0.11 Horizontal		
Resolution	2048 x 1080		
Lamp Bulbs	350 W (NSH) x 2		
Supported Screen Size (max)	Up to 31 ft./ 9.5 m@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	1 x HDMI*, 2 x 3GSDI bidirectional (input and output), 3 x USB Type A, 1 x eSATA		
Projector (Optional Boards)	NC-80DS01-B: 2 x dual HDS/2, 2 x DVI (HDCP) NC-80LB01-B: 2 x dual HDS/2, 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 to 130 V AC / 200 to 240 V AC, 50/60 Hz Single Phase		
Input Current			
Dual Lamp	100 to 130 V: 10.3 A to 7.9 A / 200 to 240 V: 5.1 A to 4.3 A		
Power Consumption			
Dual Lamp	1023 W (100 to 130 V AC), 985 W (200 to 240 V AC)		
<b>MECHANICAL</b>			<b>ENVIRONMENTAL</b>
External Dimensions	25 x 32 x 13 in. / 621 x 798 x 314mm		Operating Temperature
Weight	97 lbs. / 44 kg		Humidity
Fan Noise	52 dB		Storage
			50° – 95°F / 10° – 35°C
			10 – 85 % non-condensing
			-14° – 122°F / -10° – 50°C
<b>IMS</b>	Integrated Storage Server: 2 TB RAID5 Integrated SMS Full HFR 3D Support (48 Hz/eye, 60 Hz/eye)		

## 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.
- **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.

## 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 blackscreens.** 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: Lamp replacement during operation is only possible by NEC or NEC partner trained and certified operators.



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### NEC Display Solutions, Ltd.

For more information, please visit [www.nec-display.com](http://www.nec-display.com)  
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