

# 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 HDSDI 3G 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   | 2 x HDSOI 3G, 3 x USB Type A, 1 x eSATA   |
| Projector (Optional Boards)                 | NC-80DS01-B: 2 x dual HDSOI, 2 x DVI (HDCP)<br>NC-80LB01-B: 2 x dual HDSOI, 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> | 2 years   |
| <b>IMS</b>                                  | Integrated Storage Server: 2 TB RAID5<br>Integrated SMS<br>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 HDSOI 3G interfaces.



### ORDERING MODEL NUMBERS

NP-NC900C-A

Recipients of the 2009 Academy Plaque are D. Scott Dewald, Greg Pettitt, Brad Walker and Bill Werner. DLP Cinema and the DLP Cinema logo are registered trademarks of Texas Instruments. All other brand or product names are trademarks or registered trademarks of their respective holders. Product specifications subject to change.

©2012 NEC Display Solutions of America, Inc. All rights reserved.  
25.NEC.80.GL.UN.126 rev. 110112

### NEC Display Solutions

500 Park Boulevard, Suite 1100  
Itasca, IL 60143  
866-NEC-MORE