Digital Cinema Projector Series

The future of cinema viewing

NC3240S
NC3200S
NC2000C
NC1200C
Exceptional image and color quality meet the latest in digital cinema technology to deliver new revenue-generating opportunities for theaters and cinema events. These advanced solutions are backed by NEC, the trusted leader in digital cinema technology.

Generate Greater Per Seat Revenue
Achieve additional income from showing higher-quality, more entertaining media and arranging alternative sports, broadcast and education media during off-peak operational times.

Play Captivating 3D Content
Equip your theater with NEC Digital Cinema Series projectors and stay ahead of your competition with the latest digital content, which is becoming more and more an essential element of the latest movies and media.

Enjoy Lower TCO
With easy servicing, more durable components and advanced support options, you can enjoy better quality imaging while experiencing an overall lower cost of ownership.

Using DLP Cinema® technology from Texas Instruments®, NEC’s innovative digital cinema projectors deliver exceptional image quality, brightness, resolution, contrast and colorimetry. NEC’s 2K/4K digital cinema projectors are designed with a focus on quality and ease-of-use for movie theaters of all sizes.

• FULLY COMPLIANT WITH DCI REQUIREMENTS*
• MINIMAL COST OF OWNERSHIP / SIMPLE MAINTENANCE

*D Digital Cinema System Specifications Compliance test applied for 2009 Academy Scientific and Engineering Award for Color Accuracy
Recipients of the 2009 Academy Plaque are D.Scott Dewald, Greg Pettitt, Brad Walker and Bill Werner.
FULLY COMPLIANT WITH DCI REQUIREMENTS** / 4K-READY

- The NC3200S, which was designed with the exhibitor in mind, is fully upgradable to 4K technology, making the transition a seamless and cost-effective solution.

MINIMAL COST OF OWNERSHIP / SIMPLE MAINTENANCE

- Quick and easy components/parts replacement with modular electronics
  - Clear electronic layout and wiring
  - Easy prism replacement can be completed in only a few minutes
  - Truly modular electronics; custom DMD shielding gaskets and patented reflector design help reduce maintenance costs
- Air filters available
  - Lamp inlet
    - Unwoven fabric filter (NC-80AF01 required for all projectors)
    - Metal Filter (NC-65MF01 for NC1200/NC2000) and (NC-75MF01 for NC3200/NC3240)
  - Air inlet
    - Unwoven fabric filter (NC-80AF02 required for all projectors)
- Industry-leading system service and support
  - Quick and easy troubleshooting by self-diagnosis with built-in system test and error log analysis
  - Built-in web server allows you to access and control projectors from any authorized web browser
  - Remotely update firmware via network from long distances

BAR-SETTING RELIABILITY

- Newly designed cooling system, the first of its kind in the industry, creates positive air pressure internally to prevent contaminants such as oil and dust from entering the main chassis. Lamp cooling air flow is separate from the optics and electronics in the main chassis.
- Custom DMD shielding protects the projectors from dust/oil contaminants and provides optimal picture quality

BEST-SUITED PROJECTOR FOR 3D APPLICATIONS

- The NC3200S/NC3240S are the brightest digital cinema projectors available, boasting 33,000 lumens.
- 3D presentation using a single projector - Support for all major suppliers of 3D accessories, including:
  - special 3D control connector
  - optional automatic turret to mount polarizers in front of lens when displaying 3D content

UNRIVALED EASE OF USE

- One-Touch Operation and Memory Functions - Direct-select buttons for eight stored projector configurations; simplify display of different aspect ratios through pre-set lens shift position, zoom and focus, and lamp power settings.
  - Auto Lamp Brightness Control - Maintains constant brightness of the lamp by adjusting the lamp power as the lamp ages.
  - Trouble-Free Lamp Replacement - Maintenance personnel can replace lamps simply from the back of the projector even in a cramped space
  - Intuitive keypad layout provides for easy operator control

* Subject to installation conditions. Maximum screen width is under the conditions of 14-ft-L luminance @screen gain 1.8
** Digital Cinema System Specifications Compliance test applied for
### Specifications for NC3240S/NC3200S/NC2000C/NC1200C

<table>
<thead>
<tr>
<th>MODEL</th>
<th>NC3240S</th>
<th>NC3200S</th>
<th>NC2000C</th>
<th>NC1200C</th>
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</thead>
<tbody>
<tr>
<td><strong>Projection Method</strong></td>
<td>3-chip DMD reflection method</td>
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<tr>
<td><strong>Primary Lenses</strong></td>
<td>For 1.38&quot; DLP Chip: 113 to 131.1 zoom / 113 to 166.1 zoom / 130 to 185.1 zoom / 1.44 to 2.171 zoom / 163 to 2.711 zoom / 195 to 2.621 zoom / 2.710 to 3.891 zoom</td>
<td>For 1.25&quot; DLP Chip: 125 to 145.1 zoom / 1.44 to 2.511 zoom / 16 to 3.111 zoom / 21.5 to 3.611 zoom / 3.0 to 4.311 zoom</td>
<td>For 0.98&quot; DLP Chip: 1.2 to 1.811 zoom / 1.4 / 2.051 zoom / 1.59 to 2.531 zoom / 1.9 / 2.351 zoom / 2.4 / 3.911 zoom / 3.9 / 6.521 zoom</td>
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<tr>
<td><strong>Lens Adjustment Functions</strong></td>
<td>Motorized focus, zoom, horizontal/vertical shift, light shutter (dowser) / Lens memory stores lens setting (shift/zoom/focus) / Range of shift is dependent on lens</td>
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<tr>
<td><strong>Light Output</strong></td>
<td>NEC-32PS01 (7kW LPSU): 33,000 lumens (when using USHIO DXL-70SN 7kW lamp*)</td>
<td>NEC-32PS01 (7kW LPSU): 18,300 lumens when using NEC 4kW high-efficiency Xenon lamp bulb</td>
<td>9700 lumens when using 2kW high-efficiency Xenon lamp bulb</td>
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<tr>
<td><strong>Contrast Ratio</strong></td>
<td>2000:1 (full on/off) 2200:1 (full on/off)</td>
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<tr>
<td><strong>Resolution</strong></td>
<td>4096 x 2160</td>
<td>2048 x 1080</td>
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<tr>
<td><strong>Fan Noise</strong></td>
<td>NC-32PS01 (7kW LPSU): 66dB</td>
<td>NC-32PS02 (4kW LPSU): 24dB</td>
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<tr>
<td><strong>Power Supply Voltage</strong></td>
<td>Projector power supply unit: 100 to 240V AC, 50/60Hz, single phase</td>
<td>Projector and Lamp power supply unit: 200 to 240V AC, 50/60Hz, single phase</td>
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<tr>
<td><strong>External Control</strong></td>
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<tr>
<td><strong>Input Terminals</strong></td>
<td>HD-SDI port [BNC] x 4 / DVI port [DVI-digital] x 2</td>
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<tr>
<td><strong>DMD Specifications</strong></td>
<td>1.38&quot; DLP chip, 12° tilt angle</td>
<td>1.25&quot; DLP chip, 12° tilt angle</td>
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<tr>
<td><strong>Supported Screen Size (max)</strong></td>
<td>NC-32PS01 (7kW LPSU): 72&quot;</td>
<td>NC-32PS02 (4kW LPSU): 72&quot;</td>
<td>203 lbs. / 92 kg (approx.)</td>
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<tr>
<td><strong>Coating Method</strong></td>
<td>Liquid cooling inside, air cooling with dust-preventing electrostatic filter</td>
<td>Liquid cooling inside, air cooling with dust-preventing electrostatic filter</td>
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<tr>
<td><strong>Cooling Method</strong></td>
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<tr>
<td><strong>Humidity</strong></td>
<td>10% - 85% (non-condensing)</td>
<td>10% - 85% (non-condensing)</td>
<td>50% - 95% / 10 - 35°C</td>
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<tr>
<td><strong>Regulations</strong></td>
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<tr>
<td><strong>Weight</strong></td>
<td>213.5 lbs. / 97 kg (Projector head)</td>
<td>218 lbs. / 99 kg (Excluding lens and lamp bulb)</td>
<td>203 lbs. / 92 kg (approx.)</td>
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<tr>
<td><strong>Environment</strong></td>
<td>Operational temperatures: 50-95°F / 10-35°C</td>
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<tr>
<td><strong>Limited Warranty (parts &amp; labor)</strong></td>
<td>2 years</td>
<td>2 years</td>
<td>2 years</td>
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<td><strong>Ships With</strong></td>
<td>Lens holder (to attach to primary lens); User manual</td>
<td>User manual</td>
<td>User manual</td>
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<td><strong>Optional Accessories</strong></td>
<td>4K Upgrade Kit (NC-32UP4K01), Metal Filter (NC-65MF01 for NC1200/NC200 and NC-75MF01 for NC3200/NC3240), Air Filter (NC-80AF01/NC-80AF02), Input Terminals (NC-80DS01/NC-80LB01)***</td>
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