

NP Installation Series

NP4100 installation and large venue digital projector

Powerful installation projector equipped to take on the most demanding integration projects.

FLEXIBILITY ENABLES PERFORMANCE

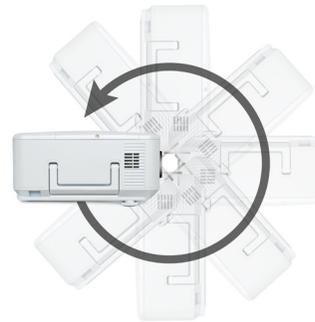
- 6200 ANSI lumens
- Vertical and horizontal lens shift enables flexible projector placement
- Ships lensless with a complete line of optional bayonet style lenses (5) for quick and easy lens exchange. Optional lenses enable the user to determine the appropriate lens to cover projection distances between 2.6 - 283 feet.
- Dual or single lamp operation. Selectable settings allow for multiple light outputs and extended lamp life
- Power zoom and focus simplifies installation and operation
- BrilliantColor™ technology can dramatically increase system brightness and color saturation at mid and low video levels, while optimizing color gain across the full color gamut
- DynamicBlack™ technology allows for dramatic improvement in the black level of the video, producing incredible detail in dark scenes
- Advanced color management adjusts for input type (high-bright, presentation, video, movie, graphics and sRGB)
- For applications requiring maximum brightness, a 4-segment color wheel is preinstalled. For video quality color reproduction, a 6-segment color wheel is included.
- 1W of power consumption while in stand-by mode

INTEGRATED NETWORKING AND ASSET MANAGEMENT

- Integrated RJ45 connection for quick connection to the LAN (10/100 base-T capability)
- Remote diagnostics enable the user to monitor and make adjustments to the projector via the network from a remote location
- Built-in HTTP page allows for control and monitoring over a LAN network. Email notification of error messages or lamp end-of-life can be sent to remote locations.

EXTENDING THE LIFE OF THE PROJECTOR

- Extended use operation for the most demanding applications
- ECO Mode™ technology extends lamp life by up to 25%
- Quick Power Off protects the lamp during the cool down period if the power is removed by unplugging the power cord or when the power strip is switched off. Lamp temperature is monitored internally during this period to prevent unit power until the lamp is properly cooled.
- Sealed optical block minimizes the effects of dust, helping to ensure the delivery of crisp, distortion-free images
- Lamp power switching timer control saves lamp life and reduces power consumption

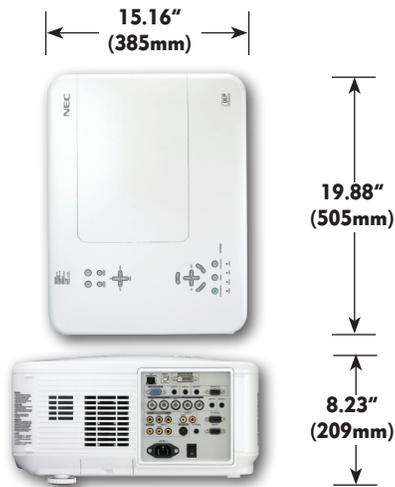


Tilt-Free Installation
The NP4100 can be rotated freely (360°) in order to point up or down depending on the installation requirements.

Series Features and Benefits

- EXTENDED USE OPERATION
- COMPLETE LINE OF (5) BAYONET STYLE LENSES
- POWERED VERTICAL AND HORIZONTAL LENS SHIFT
- POWER ZOOM AND FOCUS
- DUAL/SINGLE LAMP OPERATION
- BUILT-IN LAN CONNECTION FOR CONTROL
- COMPREHENSIVE INPUT PANEL
- DUST-RESISTANT DESIGN WITH SEALED OPTICAL BLOCK





UNIQUE FEATURES

Automatic signal detection instantaneously connects with the live source

Flexible video/data connections, including S-Video, component video, three computer inputs (VGA, RGBHV, DVI with HDCP), and monitor output

Cabinet control lock setting enables user to deactivate buttons on cabinet to prevent unwanted changes to projector settings

Password protection restricts unauthorized use of projector

AutoSense™ automatically syncs with any computer signal and features one touch image optimization

VORTEX™ Technology Plus breakthrough image processing technology improves white level, color accuracy, dynamic range and varying levels of black in an image

ECO Mode technology extends lamp life, lowers audible noise and reduces total cost of ownership

Kensington lock slot enables security cable to be attached to projector

64-step image magnification with location control

WARRANTY

Registered owners receive a 3-year parts and labor warranty including the first year of InstaCare. The lamp is covered for one year or 500 hours, whichever comes first. InstaCare provides the original owner one year of either limited 3-business day repair/return or next business day exchange.

IN THE BOX

Remote control, batteries, power cord, 6-segment color wheel, user's manual on CD-ROM, quick start guide, product registration card, anti-theft screw for lens



Specifications for NP4100

OPTICAL Display Technology Resolution Native Maximum Light Output (lumens) Contrast Ratio (up to) Lamp Type Lamp Life (up to) Screen Size (diagonal) NP06FL NP07ZL, NP08ZL, NP09ZL, NP10ZL Throw Ratio NP06FL NP07ZL NP08ZL NP09ZL NP10ZL Projection Distance NP06FL NP07ZL NP08ZL NP09ZL NP10ZL Projection Angle NP06FL NP07ZL NP08ZL NP09ZL NP10ZL Lens Zoom Focus F-number NP06FL NP07ZL NP08ZL NP09ZL NP10ZL Shift Keystone Correction	0.7" DMD - DLP by Texas Instruments XGA 1024 x 768 UXGA 1600 x 1200 6200 normal / Eco = approx. 85% of normal mode 2100:1 280W AC / 250W eco 2000 hours normal / 3000 hours eco 50 to 200 in. / 1270 to 5080mm 40 to 500 in. / 1016 to 12,700mm 0.77:1 1.33 - 1.79:1 1.78 - 2.35:1 2.22 - 4.43:1 4.43 - 8.3:1 2.6 - 10.6 ft., 0.85 - 3.52m 3.5 - 60.9 ft., 1.15 - 18.56m 4.7 - 79.9 ft., 1.55 - 24.35m 5.8 - 152.3 ft., 1.92 - 46.41m 11.6 - 283.3 ft., 3.85 - 86.36m 0° 15.7°/11.7° 11.8°/9.0° 9.5°/4.7° 4.8°/2.5° Power Power F = 2, f = 11.4mm F = 1.8 to 2.3, f = 19.3 to 25.8mm F = 1.7 to 1.9, f = 26 to 34mm F = 2.1 to 2.9, f = 32 to 63mm F = 2.2 to 3.1, f = 63.5 to 117.4mm Motorized 50% Vertical and 10% Horizontal V +/- 40° H +/- 27°
SIGNAL COMPATIBILITY/CONNECTIVITY Scan Rate Supported Video Standards SD/HD Video Signal Compatibility PC Signal Compatibility Macintosh Compatibility Input/Output Terminals RGB 1 (analog) RGB2 (analog) RGB3 (digital) Video 1 Video 2 Video 3 Audio Audio Out Monitor Out Audio External Control Sync Compatibility Networking Screen Trigger USB	Horizontal 15 - 90 kHz / Vertical 50 - 85 Hz NTSC, NTSC4.43, PAL, PAL-60, PAL-M, PAL-N, SECAM 1080p, 1080i, 720p, 575p, 575i, 480p, 480i VGA, SVGA, XGA, SXGA, SXGA+, UXGA, WXGA Yes 15 pin 5-BNC DVI-D w/ HDCP RCA S-Video Component (2) L/R RCA, (3) mini stereo Variable 1 x mini stereo 1-15 pin 2 x 3W speaker 9-pin D-sub, RS-232, IR Separate Sync / Composite Sync / Sync on G RJ-45 Monitoring Yes USB-B for Service
ELECTRICAL Power Requirements Input Current Normal Mode ECO Mode Power Consumption Normal Mode ECO Mode Standby Power	100 - 240V AC, 50/60Hz 7.1A dual lamp / 3.8A single lamp 5.8A dual lamp / 3.1A single lamp 710W dual lamp / 375W single lamp 580W dual lamp / 310W single lamp < 5 watts
MECHANICAL Installation Orientation Dimensions (WxDxH) Net Weight Fan Noise Regulations	Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear 19.88 x 15.16 x 8.23 in. / 505 x 385 x 209mm 38.6 lbs. / 17.5 kg 38 dB normal / 34 dB eco @ 1m USA UL60950-1 FCC Class B, Canada CSA60950-1 NOM-001-SCFI-1993
ENVIRONMENTAL Operational Temp Humidity Storage	41° - 104°F / 5° - 40°C Sea level / 41° - 73°F / 5° - 23°C @ 10,000 ft. 20-80% non-condensing 14° - 122°F / -10° - 50°C
ACCESSORIES NP06FL NP07ZL NP08ZL NP09ZL NP10ZL NP4000CM NP4000ALTA RMT-PJ24 PWRCRD-PJPX RGBCL-PJPX SCP100 NP12LP NECEW2-I ADVEXON1-I ADVEXON2-I NP4KMaint NP4KPLD3/Maint NP4KPLD4/Maint NECECO	0.77:1 fixed short throw lens for NP4100 1.33 - 1.79:1 zoom lens for NP4100 1.78 - 2.35:1 zoom lens for NP4100 2.22 - 4.43:1 zoom lens for NP4100 4.43 - 8.3:1 zoom lens for NP4100 Ceiling mount ATA-certified case for shipping and secure storage Replacement remote control Replacement power cable Replacement RGB signal cable Suspended ceiling plate Replacement lamp for NP4100 Extends term of parts and labor warranty to 4 years Extends term of InstaCare service program to 2 years Extends term of InstaCare service program to 3 years Maintenance plan for NP4100 Extends maintenance plan for 3rd year including parts & labor Extends maintenance plan for 4th year including parts & labor Projector recycling program, disposal certificate

Additional accessories are available, including screens, carts, mount accessories and replacement cables. Visit www.necdisplay.com for details.

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