NP Installation Series

NP4000/NP4001 installation & large venue digital projectors

Powerful installation projectors equipped to take on the most demanding integration projects.
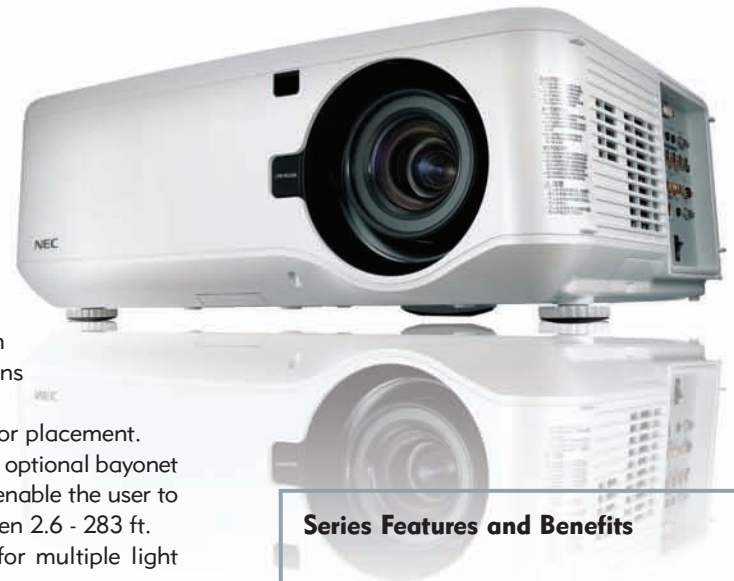
FLEXIBILITY ENABLES PERFORMANCE.

- 5200 ANSI (NP4000) and 4500 ANSI (NP4001)
- NP4001 with a WXGA (1280 x 768) native resolution was designed with the future in mind: support of the emerging wide screen resolutions used in more of today's computers along with the ever increasing demands for HD signals. Native 4:3 resolutions up to 1600 x 1200 are supported.
- Powered vertical and horizontal lens shift enables flexible projector placement.
- The NP4000 series projectors come 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 ft.
- Dual lamp or single lamp operation. Selectable settings allow for multiple light outputs and extended lamp life.
- Power Zoom and Focus simplifies installation and operation.
- 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.
- Brilliant Color™ 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 pre-installed. For video quality color reproduction a 6 segment is included.

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.

EXTENDING THE LIFE OF THE PROJECTOR.

- Extended use operation for the most demanding applications.
- Extended lamp life with Eco-mode™ technology that increases 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 on until the lamp is properly cooled.
- Cabinet control lock setting enables user to deactivate buttons on cabinet to prevent unwanted changes to projector settings.
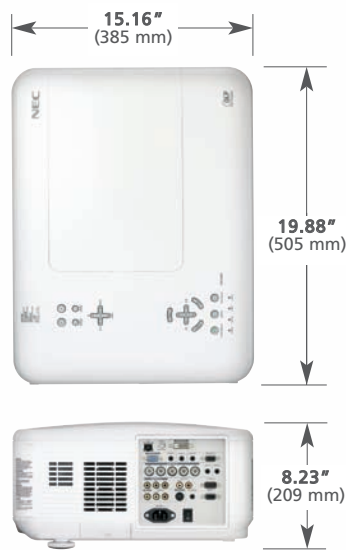- Password protection restricts unauthorized use of projector.

Series Features and Benefits

EXTENDED USE OPERATION

FULL LINE OF OPTIONAL BAYONET STYLE LENSES

POWERED VERTICAL AND HORIZONTAL LENS SHIFT

POWER ZOOM AND FOCUS

DUAL/SINGLE LAMP OPERATION

BUILT IN LAN CONNECTION FOR CONTROL

COMPLETE INPUT PANEL

PICTURE BY DLP® TEXAS INSTRUMENTS

DLP® and the DLP logo are registered trademarks of Texas Instruments.

NEC

15.16"
(385 mm)

19.88"
(505 mm)

8.23"
(209 mm)

UNIQUE FEATURES

BrilliantColor™ Technology advanced video processing from Texas Instruments delivers exceptional picture management control for both progressive and interlaced sources, while making images more vibrant, colors more realistic and blacks richer with detail.

DynamicBlack™ monitors the incoming video content and dynamically adjusts the contrast ratio to optimize picture quality for each video frame.

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

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 on until the lamp is properly cooled.

WARRANTY

Registered owners receive a 2-year limited warranty including the 1st year with InstaCare. The lamp is covered for one year or 500 hours - whatever 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 NP4000/NP4001

OPTICAL		
Display Technology		
NP4000	0.7" DMD - DLP® by Texas Instruments®	
NP4001	0.65" DMD (DC3) - DLP® by Texas Instruments®	
Light Output (lumens)		
NP4000	5200 normal	
NP4001	4500 normal	
Contrast Ratio (up to)	2100:1	
Lamp Type	260W AC, 230W Eco	
Lamp Life (up to)	2000 hours normal, 2500 hours eco	
Screen Size (diagonal)		
NP06FL	50-200 in, 1270-5080 mm	
NP07ZL, NP08ZL	40-500 in, 1016-12700 mm	
NP09ZL, NP10ZL	40-500 in, 1016-12700 mm	
Throw Ratio		
NP06FL	0.77:1	
NP07ZL	1.33 - 1.79:1	
NP08ZL	1.78 - 2.35:1	
NP09ZL	2.22 - 4.43:1	
NP10ZL	4.43 - 8.3:1	
Projection Distance	NP4000	NP4001
NP06FL	2.6 - 10.6 ft, 0.85 - 3.52 m	2.8 - 11.5 ft, 0.85 - 3.52 m
NP07ZL	3.5 - 60.9 ft, 1.15 - 18.56 m	3.8 - 60.9 ft, 1.15 - 18.56 m
NP08ZL	4.7 - 79.9 ft, 1.55 - 24.35 m	5.1 - 79.9 ft, 1.55 - 24.35 m
NP09ZL	5.8 - 152.3ft, 1.92 - 46.41 m	6.3 - 152.3ft, 1.92 - 46.41 m
NP10ZL	11.6 - 283.3 ft, 3.85 - 86.36 m	12.6 - 283.3 ft, 3.85 - 86.36 m
Projector Angle (wide/tele)	NP4000	NP4001
NP06FL	0°	0°
NP07ZL	15.7°/11.7°	12.4°/9.3°
NP08ZL	11.8°/9.0°	9.2°/7.0°
NP09ZL	9.5°/4.7°	8.8°/7.4°
NP10ZL	4.8°/2.5°	3.8°/2.0°
Lens		
Zoom	Power	
Focus	Power	
F-Number		
NP06FL	F = 2.0 mm, f = 11.4 mm	
NP07ZL	F = 1.8 to 2.3 mm, f = 19.3 to 25.8 mm	
NP08ZL	F = 1.7 to 1.9 mm, f = 26.0 to 34.0 mm	
NP09ZL	F = 2.1 to 2.9 mm, f = 32.0 to 63.0 mm	
NP10ZL	F = 2.2 to 3.1 mm, f = 63.5 to 117.4 mm	
Shift	Motorized 50% Vertical and 10% Horizontal	
Keystone Correction	V +/-40° H +/- 27°	

SIGNAL COMPATIBILITY/CONNECTIVITY	
Scan Rate	Horizontal: 15 to 90 kHz, Vertical: 50 to 85 Hz
Supported Video Standards	NTSC, NTSC4.43, PAL, PAL-60, PAL-M, PAL-N, SECAM
SD/HD Video Signal Compatibility	1080i, 720p, 575p, 575i, 480p, 480i
PC Signal Compatibility	VGA, SVGA, XGA, SXGA, SXGA+, UXGA. WXGA
Macintosh Compatibility	Yes
Input/Output Terminals	
RGB 1 (analog)	15 pin
RGB 2 (analog)	5-BNC
RGB 3 (digital)	DVI-D W HDCP
Video 1	RCA
Video 2	S-Video
Video 3	Component
Audio	(2) L/R RCA, 3 mini stereo
Audio Out	Variable 1 x mini stereo
Monitor Out	1- 15 pin
Audio	2 x 3W
External Control	9 pin D-sub RS232, IR
Sync Compatibility	Separate Sync/Composite Sync/Sync on G
Networking	RJ-45 Monitoring
Screen Trigger	Yes
USB	USB-B for Service

ELECTRICAL	
Power Requirements	100 - 240VAC, 50/60Hz
Input Current	
Normal Mode	6.5A dual lamp, 3.5A single lamp
Eco Mode	5.8A dual lamp, 3.1A single lamp
Power Consumption	
Normal Mode	655W dual lamp, 350W single lamp
Eco Mode	580W dual lamp, 315W single lamp
Stand By Power	< 5 watts

MECHANICAL	
Installation Orientation	Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear
Dimensions (WxDxH)	19.88 x 15.16 x 8.23 in, 505 x 385 x 209 mm
Net Weight	36.4lbs, 16.5kg
Fan Noise	36 dB normal/34 dB eco @ 1 meter
Regulations	USA UL60950-1 FCC Class B, Canada CSA60950-1 NOM-001-SCFI-1993

ENVIRONMENTAL	
Operational Temperature	41° to 104°F/ 5° to 40°C Sea level; 41° to 73°F/ 5° to 23°C @10,000 ft
Humidity	20-80% (non-condensing)
Storage	14° to 122°F / -10° to 50°C

ACCESSORIES	
NP06FL	0.77:1 Fixed Short Throw lens for the NP4000 Series
NP07ZL	1.33 - 1.79:1 Zoom Lens for the NP4000 Series
NP08ZL	1.78 - 2.35:1 Zoom Lens for the NP4000 Series
NP09ZL	2.22 - 4.43:1 Zoom Lens for the NP4000 Series
NP10ZL	4.43 - 8.3:1 Zoom Lens for the NP4000 Series
NP4000CM	Ceiling mount
NP4000ATA	ATA certified case for shipping and secure storage
RMT-PJ24	Replacement remote control
PWRCRD-PJPX	Replacement power cable
RGBCBL-PJPX	Replacement RGB signal cable
NP4KPL03	Extended parts & labor warranty - 3 years
NP4KPL04	Extended parts & labor warranty - 4 years
NECECO	Projector recycling program
SCP100	Suspended ceiling plate
NP04LP	Replacement Lamp for the NP4000 Series
NP4000MAINT	Maintenance for NP4000 Series

BrilliantColor™ and DynamicBlack™ are a trademark of Texas Instruments.

InstaCare   EcoCare™   POWER**UP**
projector trade-in program

NEC 070708