Flexible and Manageable Performance
NP4000 Installation & Large Venue Digital Projector

EXTENDED USE OPERATION

FULL LINE OF OPTIONAL BAYONET STYLE LENSES WITH POWERED VERTICAL AND HORIZONTAL LENS SHIFT

POWER ZOOM AND FOCUS

DUAL/SINGLE LAMP OPERATION

BUILT IN LAN CONNECTION FOR CONTROL

COMPLETE INPUT PANEL

QUICK COOL DOWN

P R E L I M I N A R Y

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

FLEXIBILITY ENABLES PERFORMANCE.

- **5000 ANSI** lumens is bright enough for most applications.
- **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.
- **Single lamp or dual lamp operation** provides up to 5000 lumens of light output. 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, DVI with HDCP, composite video, 2 computer inputs 1-HD15, 1- RGBHV 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 color wheel** is included.
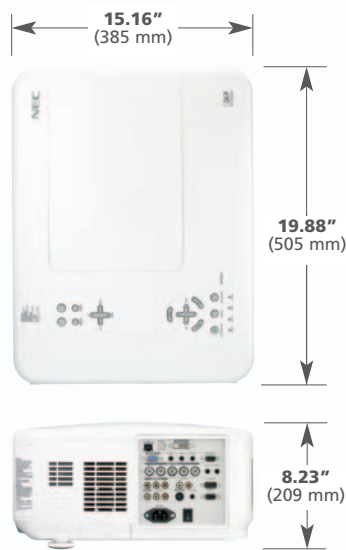
INTEGRATED NETWORKING AND ASSET MANAGEMENT.

- **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.

- **24/7 extended use operation** for the most demanding applications.
- Extended lamp life with **Eco-mode™ technology** that increases lamp life by up to 25%.
- **Lamp saver technologies** enables the cooling fan to continue running even after power source is disconnected and built-in sensors protect the lamp and projector from overheating.
- **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.

Because It's your Image

NEC

15.16"
(385 mm)

19.88"
(505 mm)

8.23"
(209 mm)

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OPTICAL

Display Technology	0.70" DMD	
Resolution	Native	XGA 1024 x 768
	Maximum	UXGA 1600x1200/1080i
Light Output (lumens)	5000 normal	
Contrast Ratio	up to 2500:1	
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, 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	NP06FL	2.6 - 10.6 ft, 0.78 - 3.24 m
	NP07ZL	3.5 - 60.9 ft, 1.06 - 18.56 m
	NP08ZL	4.7 - 79.9 ft, 1.42 - 24.35 m
	NP09ZL	5.8 - 152.3 ft, 1.76 - 46.41 m
	NP10ZL	11.6 - 283.3 ft, 3.53 - 86.36 m
Projector Angle	NP06FL	0°
	NP07ZL	11.71°/15.65°
	NP08ZL	8.99°/11.82°
	NP09ZL	4.74°/9.48°
	NP10ZL	2.54°/4.82°
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 .5V and 0.1H
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	
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, 3.2A 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 15.16.1 x 8.23 in, 505 x 385 x 209 mm
Net Weight	35.7lbs, 16.2kg
Fan Noise	35 dB normal/33 dB eco @ 1 meter
Regulations	USA UL60950-1 FCC Class B, Canada CSA60950-1 NOM-001-SCFI-1993

ENVIRONMENTAL

Operational Temp.	41° to 104°F/ 5° to 40°C Sea level
	41° to 73°F/ 5° to 23°C @10,000 ft
Humidity	10-90% (non-condensing)
Storage	14° to 140°F / -10° to 60°C

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

UNIQUE FEATURES

BrilliantColor™ Technology	Advanced video processing with Brilliant Color™ 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.
Image Magnification	64-step image magnification with location control
Quick Power Off	During the cool down period, the lamp is protected 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.

ACCESSORIES/WARRANTY PROGRAMS

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

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

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

For more information, call 1.800.NEC.INFO
or visit www.necvisualsystems.com

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