# Build power into the system
## NP1000 and NP2000 digital installation projectors.

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

## FLEXIBILITY ENABLES PERFORMANCE.

- **Bright** enough for most any application: 3500 ANSI (NP1000) and 4000 ANSI (NP2000).
- **Vertical and horizontal lens shift** enables flexible projector placement.
- **Complete line of optional bayonet style lenses** allow for a quick and easy lens change.
- **Geometric correction** tool allows you to project on spheres, cylinders, corner angles and more.
- **Flexible video/data connections** including S-Video, Component Video, DVI with HDCP, composite video, 2 computer inputs 1-HD15, 1- RGBHV and monitor output.
- **Advanced video processing with Contrast Enhancement technology** delivers exceptional picture management control for both progressive and interlaced sources while making images more vibrant, colors more realistic and blacks richer with detail.
- **3D 10-Bit Video Decoder** offers black level expansion and adaptive gamma correction.
- **Built-in wall color correction presets** provide for adaptive color tone correction to display properly on non-white surfaces.
- **3D Reform™** provides the ability to square the image by adjusting horizontally, vertically or diagonally when the projector cannot be placed parallel or perpendicular to the screen.
- **Advanced color management** automatically adjusts for input type (presentation, movie, video, graphic and sRGB).
- **USB/PC card flexibility** allows you to play back presentations or display images stored as .jpgs from standard PCMCIA cards or optional USB memory (NP01MD).
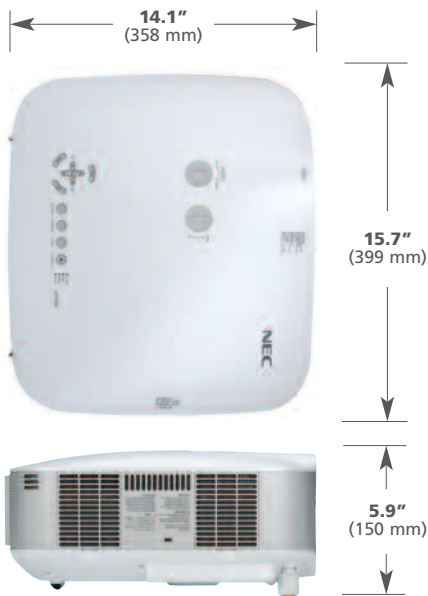
## INTEGRATED NETWORKING AND ASSET MANAGEMENT.

- **Integrated high speed wireless** LAN IEEE 802.11b/g (using optional wireless card).
  - **Presentation mode** enables wireless connection between computer and projector.
  - **Broadcast mode** allows you to send information from one computer to several projectors.
  - **Data conferencing mode** enables you to send information to the projector and other computers.
  - **In training mode**, the presenter's computer can be used to view the participant's computer image on the projector.
- **Desktop control** allows you to securely transmit information wirelessly to projector from docking station or PC in another room.
- **Image Express Utility (IEU 2.0)** dedicated projector software provides wired and wireless data transmission via peer-to-peer or over the network. Compatible with Windows and MAC operating systems.
- **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 remotely.

## EXTENDING THE LIFE OF THE PROJECTOR.

- **Extended lamp life with Eco-mode™ technology** that increases lamp life by up to 50%.
- **Lamp saver technologies** enable the cooling fan to continue running even after the power source is disconnected. Built-in sensors protect the lamp and projector from overheating.
- **Cabinet control lock setting** enables user to deactivate buttons on cabinet to prevent unwanted changes to projector settings.
- **Logo lock** restricts changes to logo saved in projector memory.
- **Password protection** restricts unauthorized use of projector.
- **Secure data** using WEP/WPA encryption.
- **E-mail notification** informs the system administrator when the lamp approaches the end of its useful life.

---

VERTICAL AND HORIZONTAL LENS SHIFT

COMPLETE LINE OF 5 BAYONET STYLE LENSES

POWERFUL INTEGRATED NETWORKING AND ASSET MANAGEMENT

REMOTE DIAGNOSTICS

COMPREHENSIVE INPUT PANEL

ADVANCED VIDEO PROCESSING WITH CONTRAST ENHANCEMENT AND VORTEX TECHNOLOGY

3D REFORM WITH GEOMETRY CORRECTION

LAMP SAVER TECHNOLOGIES

---

Because It's your Image

**NEC**

**14.1"**
**(358 mm)**

**15.7"**
**(399 mm)**

**5.9"**
**(150 mm)**

# Build power into the system
## NP1000 and NP2000 digital installation projectors.

## UNIQUE FEATURES

| | |
|---|---|
| 3D Reform™ | Provides the ability to square the image by adjusting 3D Reform horizontally, vertically or diagonally when the projector can not be placed parallel or perpendicular to the screen. |
| Advanced AccuBlend | Ensures detailed images when non-native resolution sources are connected to the projector. |
| Direct Power Off | Protects the lamp by enabling cooling fan to continue running after power is disconnected |
| Built-in Wall Color Correction | Presets provide for adaptive color tone correction to display properly on non-white surfaces. |
| Contrast Enhancement | Delivers exceptional picture management control for both progressive and interlaced sources, while making images more vibrant, colors more realistic and blacks richer with detail. |
| 3D 10-Bit Video Decoder | Offers black level expansion and adaptive gamma correction |
| 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. |
| Magnification | 64-step image magnification with location control |
| Sleep Timer | Count down timer can be set to automatically turn off the projector |
| Discreet Source Keys | Projector and remote feature direct access buttons for source selection |
| Computer Free Presentations | Insert a USB drive or PCMCIA card directly into the projector and change images using the wireless remote control provided with the projector. |
| High Speed Wireless | IEEE802.11g and improved circuitry provide wireless communication up to 3 times faster than available from previous models. |

**RepairCare**  **InstaCare**

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

NEC is a registered trademark of NEC Corporation.
All other trademarks are the property of their respective owners.
All specifications subject to change without notice.

NEC Solutions (America), Inc.
Visual Systems Division
1250 Arlington Heights Rd., Suite 400
Itasca, IL 60143-1248

## OPTICAL

| | | |
|---|---|---|
| Display Technology | 0.8 in LCD with MLA | |
| Resolution | Native: | XGA 1024 x 768 |
| | Maximum: | UXGA 1600x1200 |
| Light Output (lumens) | NP1000 | 3500 normal |
| | NP2000 | 4000 normal |
| Contrast Ratio | 800:1 | |
| Lamp Type | 300W AC | |
| Lamp Life (up to) | 2000 hours normal/3000 hours eco | |
| Screen Size (diagonal) | 25-500 in, 635-12700 mm | |
| Throw Ratio | 1.5 - 2.0 (standard lens) | |
| Projection Distance | 2.5 to 68.5 ft, .74m to 20.9m | |
| Projection Angle | 10.3 to 10.8° tele, 13.7 to 14.5° wide | |
| Lens | Zoom | 1 to 1.33 |
| | Focus | manual |
| | F-#, f-# | F=1.7 to 2.2 mm, f=24.5 to 32.6mm |
| | Shift | Manual: 50% vertical, 10% horizontal |

## SIGNAL COMPATIBILITY/CONNECTIVITY

| | | |
|---|---|---|
| Scan Rate | Horizontal: 15 to 100 kHz – Vertical: 48 to 120 Hz | |
| Supported Video Standards | NTSC, NTSC4.43, PAL, PAL-60, PAL-M, PAL-N, SECAM | |
| SD/HD Video Signal Compatibility | 1080i, 720p, 576p, 576i, 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 | (3) L/R RCA, 3 mini stereo |
| | Audio out | mini VAO |
| | Monitor out | yes |
| Audio | 5W Stereo | |
| External Control | RS232, IR | |
| Sync Compatibility | Separate Sync/Composite Sync/Sync on G | |
| Networking | Wired LAN using integrated RJ45, 802.11b/g wireless with optional card | |

## ELECTRICAL

| | |
|---|---|
| Power Req. | 100 - 240VAC, 50/60Hz |
| Input Current | 4.6A |
| Power Consumption | 435W |

## MECHANICAL

| | |
|---|---|
| Installation Orientation | Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear |
| Dimensions (WxDxH) | 15.7 x 14.1 x 5.9 in, 399 x 358 x 150 mm |
| Net Weight | 16 lbs, 7.3kg |
| Fan Noise | 35 dB normal/30 dB eco |
| Regulations | USA UL 1950 FCC Class B, Canada CSA950 (C-UL), NOM |

## ENVIRONMENTAL

| | |
|---|---|
| Operational Temp | 41° to 104°F / 5° to 40°C |
| Humidity | 20-80% (non-condensing) |
| Storage | 14° to 122°F / -10° to 50°C |

## WARRANTY

Registered owners receive a 3-year limited warranty including InstaCare. Includes three year limited warranty on parts and one year limited warranty on labor. 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, remote control cable, batteries, power cord, RGB signal cable, lens cap, user's manual on CD-ROM, quick start guide, product registration card, wired and wireless network setup guide, PC Card lock, lens anti-theft screw

## ACCESSORIES

| Order Code | Description |
|---|---|
| NP01LP | Replacement lamp |
| NWL-100A | Wireless LAN Card |
| NP1000CM | Ceiling mount |
| NP1000TC | Rolling case with extension handle |
| NP1000ATA | ATA certified case for shipping and secure storage |
| SCP100 | Suspended ceiling plate |
| NP01FL | 0.8:1 fixed short throw lens |
| NP02ZL | 1.18 - 1.54:1 zoom lens |
| NP03ZL | 1.94 - 3.07:1 zoom lens |
| NP04ZL | 2.98 - 4.77:1 zoom lens |
| NP05ZL | 4.62 - 7.02:1 zoom lens |
| PWRCRD-PJPX | Power cable |
| RGBCBL-PJPX | RGB cable |
| RMT-PJ22 | Replacement remote |

*Because It's your Image*

**NEC**