

# NP Mobile Series

## NP43 and NP64 digital projectors

The world's most portable, high-brightness projectors, sporting a footprint smaller than a hardcover book, the NP43 and NP64 are bright, powerful and packed with technological innovations.

### EVERYTHING IS AUTOMATIC TO MAKE PRESENTING EASY FOR YOU

- Automatic startup powers on the projector as soon as it is plugged into a power outlet
- Automatic focus instantly provides a sharp detailed image. You don't need to make any adjustments as the projector automatically focuses for you.
- Automatically detects source and projects the image with auto input selection
- AutoSense™ intuitively syncs the projector with most computer signals and features one-touch image optimization
- Automatic vertical keystone correction technology instantly projects a square image even when the projector is set up at a steep offset angle to the screen
- Instant shutdown enables projector to be turned on and off from a wall switch or power strip. Quick startup and instant shut down enables "the show" to start and end according to your schedule.
- Auto Power ON via the RGB (15-pin) input connector when a signal is detected from a computer
- Built-in lens cover works in conjunction with the A/V mute to turn off the image without the need to shut down the projector during a presentation



### ADAPTABLE TO VIRTUALLY ANY APPLICATION

- High brightness up to 3000 lumens packed into a projector weighing a mere 3.7 pounds
- Built-in wall color correction presets provide for adaptive color tone correction to display properly on non-white surfaces
- Aspect ratio control enables you to display in three modes: normal, cinema & native
- HD compatibility supports 1080i, 720p, 576p, 480p, 576i & 480i
- Audio Input via the stereo mini connector brings presentations to life
- USB port provides computer-free presentation capabilities using a USB thumb drive. Send images directly from a phone or computer using the optional Bluetooth adapter (NP64 only).

### LOW COST OF OWNERSHIP WHILE EXTENDING THE LIFE OF THE PROJECTOR

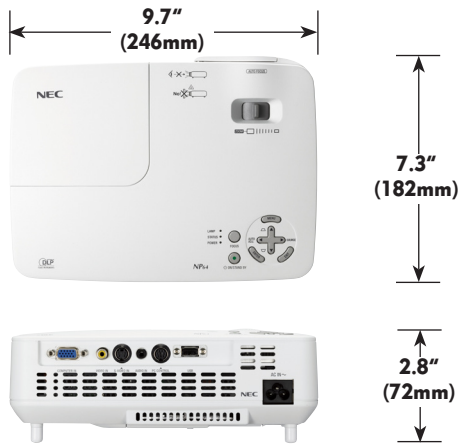
- Extended lamp life with ECO Mode™ technology that increases lamp life by up to 40% for up to 3500 hours
- Carbon savings meter calculates the positive effects of operating the projector in ECO Mode, which is encouraged by an optional message at startup. A green ECO Mode button on the remote control makes the switch easy.
- Power management can be set to automatically shut off the projector when an incoming signal is not detected
- Enhanced multi-level security features protect your investment
  - Integrated lock slot - attach security cable to physically lock down the projector
  - Cabinet control lock – setting to deactivate buttons on cabinet to prevent unwanted changes to projector settings
  - Password protection restricts unauthorized use of projector
- Quiet operation at < 32dB in ECO Mode

### Series Features and Benefits

- HIGH BRIGHTNESS
- UP TO 3000 LUMENS
- LIGHTWEIGHT - ONLY 3.7 LBS.
- AUTOMATIC FOCUS
- QUICK STARTUP AND INSTANT SHUT DOWN
- HIGH CONTRAST
- AUTOMATIC SOURCE SELECTION
- ADVANCED VIDEO PROCESSING
- AUTOMATIC KEYSTONE CORRECTION
- CARRYING CASE INCLUDED



Note: Input panel applies only to the NP64



### ADDITIONAL FEATURES

**Advanced video processing** with IP conversion and 3-2/2-2 pull down provides error-free interpolation for moving video resulting in a smooth image with greater detail

**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

**PC control port** enables external control of the projector using a computer or control system RS-232C (Mini DIN 8 pin)

**Kensington lock slot** enables a security cable to be attached to the projector

**64-step image magnification** with location control

**Sleep timer** can be set to automatically turn off the projector

**Direct power off** protects the lamp by enabling the cooling fan to continue running after power is disconnected

### IN THE BOX

Carrying case, remote control, batteries, power cord, RGB signal cable, lens cap, user's manual on CD-ROM, quick start guide, product registration card

### WARRANTY

Registered owners receive a 2-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.



### Specifications for NP43/NP64

<b>OPTICAL</b>	<p>Display Technology Resolution Native Maximum Light Output (lumens) Contrast Ratio (up to) Lamp Type Lamp Life (up to) Screen Size (diagonal) Throw Ratio Projection Distance Projection Angle Lens Zoom Focus F-number Keystone Correction</p>	<p>DLP (0.55" DMD) XGA 1024 x 768 UXGA 1600 x 1200 NP43: 2300 normal / Eco = approx. 85% of normal mode NP64: 3000 normal / Eco = approx. 75% of normal mode 1600:1 NP43: 200W AC / 170 eco NP64: 220W AC / 170 eco 2500 hours normal / 3500 hours eco 33 to 300 in. / .84 to 7.62m 1.8 to 2.2 4.8 to 44 ft. / 1.45 to 13.4m 12.3 to 12.6° tele / 14.7 to 15° wide 1 to 1.2 Automatic/Manual F = 2.2 to 2.34, f = 20.4 to 24.5mm Automatic or manual +/- 40°</p>
<b>SIGNAL COMPATIBILITY/CONNECTIVITY</b>	<p>Scan Rate Supported Video Standards SD/HD Video Signal Compatibility PC Signal Compatibility Macintosh Compatibility Input/Output Terminals RGB (analog) Video 1 Video 2 Audio USB Port External Control Audio Sync Compatibility</p>	<p>Horizontal 15 - 100 kHz (RGB: 24 - 100 kHz) Vertical 50 - 120 Hz (above 85 Hz = 1024 x 768 or lower) NTSC, NTSC 4.43, PAL, PAL-60, PAL-M, PAL-N, SECAM 480i, 480p, 576i, 576p, 720p, 1080i VGA, SVGA, XGA, SXGA, SXGA+, UXGA Yes 15-pin RCA S-Video 1/8 in. stereo Type A (NP62 only) RS-232, IR, mini DIN 8-pin 0.3W speaker Separate Sync / Composite Sync / Sync on G</p>
<b>ELECTRICAL</b>	<p>Power Requirements Input Current Power Consumption Normal Mode/ECO Mode/ Standby (Power Saving)</p>	<p>100 - 240V AC, 50/60 Hz NP43: 2.8/1.2A NP64: 3.2/1.4A NP43: 266W / 221W / 3.2W NP64: 292W / 223W / 3.2W</p>
<b>MECHANICAL</b>	<p>Installation Orientation Dimensions (WxDxH) Net Weight Fan Noise Regulations</p>	<p>Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear 9.7 x 7.2 x 2.8 in. / 246 x 182 x 72mm 3.7 lbs. / 1.7 kg 37dB normal / 32dB eco USA UL 1950 FCC Class B, Canada CSA 950 (C-UL), NOM</p>
<b>ENVIRONMENTAL</b>	<p>Operational Temperature Humidity Storage</p>	<p>41° - 104°F / 5° - 40°C 20 - 80% non-condensing -14° - 122°F / -10° - 50°C</p>
<b>ACCESSORIES</b>	<p>IR-RCYR WPA001 NP01BA SPKR30 SC200 ADP-CV1E LEATHERCASE LEATHERROLLER NP40CM ADJ006009 ADJ0012018 ADJ0203 ADJ0305 SCP100 NP08LP NP09LP RMT-PJ30 PWRCRD-NP40 RGBCL-PJPX VLMT-C02 NECEW1-MP NECEW2-MP ADVEXON1-MP ADVEXON2-MP NECECO</p>	<p>IR receiver enables PJ remote to control PC or Mac functions 802.11b/g wireless adapter connects to projector to receive data from wireless PC Bluetooth USB adapter to receive wireless images from a PC/PDA or mobile phone Amplified 30-watt speaker for connection to PJ, microphone or video source Security cable attaches to PJ lock slot Component video to VGA adapter Leather case with compartments for laptop and PJ Leather rolling case with compartments for laptop and PJ / fits in most airline storage bins Ceiling mount with adapter plate 6-9 in. adjustable extension column for use with PJ mount 12-18 in. adjustable extension column for use with PJ mount 2-3 ft. adjustable extension column for use with PJ mount 3-5 ft. adjustable extension column for use with PJ mount Adjustable suspended ceiling plate for use with ceiling mount Replacement lamp for NP43 Replacement lamp for NP64 Replacement remote control Replacement power cord Replacement RGB signal cable 3-year international service program provides U.S. and Canadian customers loaner and repair services in Europe, Japan and Australia Extends term of parts and labor warranty to 3 years 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 Projector recycling program, disposal certificate</p>

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