

NP610

Digital installation projector

Easy to use and at the right price, NP Portable Series projectors provide all the essential features that you need to connect with your audience.

ESSENTIAL FEATURES FOR EASE OF USE

- **Plug and Play** intuitive setup and operation
- **Top cover lamp change** provides for easy lamp changes without removal of the projector from the mount
- **Bright images** easily viewed in any application
- **Versatile, color-coded connections** to computer, video sources and external monitor
- **Automatic keystone correction technology** instantly projects a square image even when the projector is set up at a steep offset angle to the screen
- **Autosense™** intuitively syncs the projector with most computer signals and features one-touch image optimization
- **One-touch source changes and complete menu control** using the intuitive projector keypad
- **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

VERSATILE FEATURES AND POWERFUL PERFORMANCE

- With **XGA native resolution**, 3500 lumens and patented NEC technologies, the NP610 displays impressive image quality
- **Dual computer inputs, including DVI-I**, ensure quick switching between presentations
- **Powerful 7-watt speaker** provides volume needed for large rooms
- **Virtual Remote (DDC/CI)** over the VGA cable to control the projector directly from a computer without the need for additional control cables
- **Variable audio-out** enables remote control to be used to adjust volume of self-powered external speakers that are connected to the projector. In stand-by mode, the audio-out stays active, allowing the last input used to pass to the self-powered external speakers.
- **Built-in wall color correction presets** provide for adaptive color tone correction to display properly on non-white surfaces
- **Easy control from remote** allows you to adjust lamp mode, aspect ratio, volume and image all with the touch of a button

DESIGNED WITH THE ENVIRONMENT IN MIND

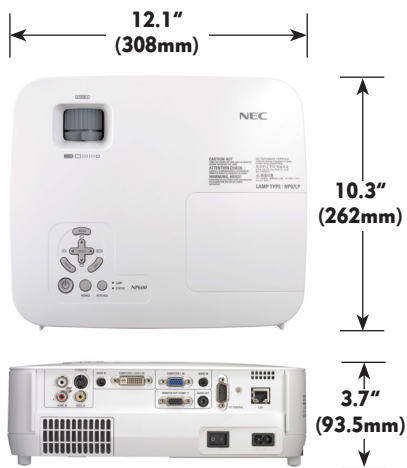
- **Extended lamp life with ECO Mode™ technology** increases lamp life up to 5000 hours, while lowering power consumption
- **Power management** enables projector to automatically turn off when an incoming signal is not detected from any of the inputs
- **Auto Power On** via the RGB (15-pin) input connector when a signal is detected from a computer
- **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.
- **Quick start (3 to 4 seconds)** lets you begin presenting in seconds while quick shutdown (immediate power off with no cooling required after shutdown) ensures efficient energy usage
- **Sleep timer** can be set to automatically turn off the projector at set countdown times
- **Filter life** increased by three times compared to previous generation models
- **Low power consumption** (0.6W in stand-by mode) minimizes energy costs



Series Features and Benefits

CLOSED CAPTIONING
 LONG LAMP LIFE (UP TO 5000 HOURS)
 EASY TO USE
 VIRTUAL REMOTE
 MONITOR OUTPUT
 AUTOMATIC KEYSTONE CORRECTION
 7-WATT SPEAKER
 DVI-I INPUT
 VARIABLE AUDIO OUT
 LONG FILTER LIFE





UNIQUE FEATURES

Advanced AccuBlend ensures detailed images when non-native resolution sources are connected to the projector

64-step image magnification with location control

Countdown sleep timer can be set to automatically turn off the projector

Built-in HTTP page for control and monitoring over a LAN network

Built-in closed captioning enables decoding and display of text information from a video

Nearly silent operation with noise level as low as 29dB in ECO Mode

Password protection restricts unauthorized use of projector

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

Email notification informs the system administrator when the lamp approaches the end of its useful life

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

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



Specifications for NP610

OPTICAL	Display Technology Native Resolution Maximum Light Output (lumens) Contrast Ratio Lamp Type Lamp Life (up to) Screen Size (diagonal) Throw Ratio Projection Angle Lens Zoom Focus F-#, f-# Keystone Correction	0.63" LCD with MLA XGA 1024 x 768 UXGA 1600 x 1200 3500 normal / Eco = approx. 70% of normal mode 500:1 230W AC / 168W eco 4000 hours normal / 5000 hours eco 21 - 300 in., 0.53-7.6m 1.5 - 1.8 7.9 - 8.3° tele / 9.5 - 10.0° wide 1.0 to 1.2 Manual F = 1.7 - 2.07, f = 18.9 - 22.7mm Automatic or manual +/- 30°
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 Video 1 Video 2 Audio 1 Audio 2 Audio 3 Audio Out Monitor Out Audio External Control Sync Compatibility	Horizontal 15 - 100 kHz / Vertical 50 - 120 Hz NTSC, NTSC4.43, PAL, PAL-60, PAL-M, PAL-N, SECAM 1080i, 720p, 576p, 576i, 480p, 480i, Y/Cb/Cr component (with optional adapter - ADP-CV1E) VGA, SVGA, XGA, SXGA, SXGA+, UXGA Yes 15 pin DVI-I w/ HDCP RCA S-Video L/R RCA (shared by video sources) 1/8 in. stereo 1/8 in. stereo mini stereo (Variable audio out) Yes 7W speaker RS-232, IR, LAN, DDC/CI Separate Sync / Composite Sync / Sync on G
ELECTRICAL	Power Req. Input Current Power Consumption (Normal Mode/ ECO Mode/Standby (Power Saving)	100 - 240V AC, 50/60Hz 3.8A/1.5A 312W / 237W / 0.6W
MECHANICAL	Installation Orientation Dimensions (WxDxH) Net Weight Fan Noise Regulations	Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear 12.1 x 10.3 x 3.7 in. / 308 x 262 x 93.5mm 6.6 lbs. / 3 kg 35 dB normal / 29 dB eco UL60950-1, CSA60950-1, FCC Part 15 Class B, ICES-03 Class B, NOM-001-SCFI-1993
ENVIRONMENTAL	Operational Temp Humidity Storage	41° - 95°F / 5° - 40°C 20-80% non-condensing 14° - 122°F / -10° - 50°C
ACCESSORIES	NP01MR WPA001 SPKR30 SC200 ADP-CV1E LEATHERCASE LEATHERROLLER NP600CM NP01UCM ADJ006009 ADJ0012018 ADJ0203 ADJ0305 SCP100 NP07LP RMT-PJ29	IR receiver enables PJ remote to control PC and MAC functions 802.11b/g wireless adapter Amplified 30 watt speaker Security cable attaches to projector lock slot Component video to VGA adapter Leather case with compartments for laptop and projector Leather rolling case for laptop and PJ, fits in most airplane storage bins Ceiling mount Universal ceiling mount for projectors weighing less than 40 pounds 6 to 9 inch adjustable extension column for use with projector mount 12 to 18 inch adjustable extension column for use with projector mount 2 to 3 foot adjustable extension column for use with projector mount 3 to 5 foot adjustable extension column for use with projector mount Adjustable suspended ceiling plate for use with ceiling mount Replacement lamp Replacement remote control
WARRANTY PROGRAMS	NECEW2-I ADVEXON1-I ADVEXON2-I NECECO	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

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

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