

NP Short Throw Series

NP510WS and NP610S short-throw, digital projectors

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



ESSENTIAL FEATURES FOR EASE OF USE

- **Top cover lamp change** provides for easy lamp changes without removal of the projector from the mount
- **Bright images** easily viewed in any application
- **Automatic keystone correction technology** instantly projects a square image even when the projector is set up at a steep offset angle to the screen
- **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 and WXGA native resolutions**, high brightness up to 2600 lumens and patented NEC technologies, NP Short Throw Series portable projectors display impressive image quality
- **Dual computer inputs, including DVI-I**, ensure quick switching between presentations
- **Powerful 7-watt speaker** provides volume needed for large rooms
- **Nearly silent operation** with noise level as low as 29dB in ECO Mode
- **Cabinet control lock setting** enables user to deactivate buttons on cabinet to prevent unwanted changes to projector settings

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
- **Countdown sleep timer** can be set to automatically turn off the projector
- **Filter life** increased by three times compared to previous generation models

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

Accessories



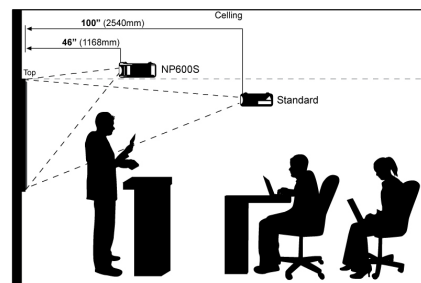
Control and signal interface box (NPSTCTL) manages power on/off, input switching and volume. Input panel consists of (2) VGA, (2) stereo mini, composite, S-Video and stereo RCA. Cable bundle included.

Wall mount (NPSTWM)

includes wall bracket, pole and projector mounting bracket for simple, out-of-the-way installation.



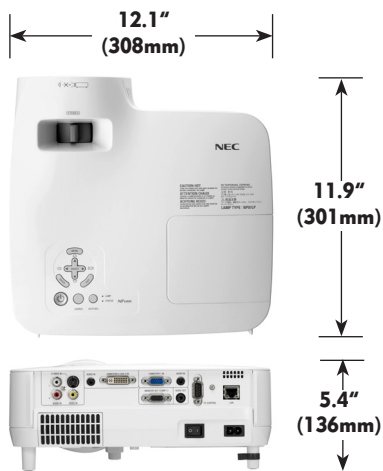
NP610S short throw projector vs. standard projector



Short throw creates a 77" diagonal image from 3 feet, 10 inches, eliminating shadows on the screen along with projected light in the presenter's eyes created by traditional front projection systems



Virtual Remote over the VGA cable allows you to control the projector directly from a computer without the need for additional control cables or IR remote control



UNIQUE FEATURES

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

64-step image magnification with location control

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

Versatile, color-coded connections to computer, video sources and external monitor

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

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

Password protection restricts unauthorized use of projector

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

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.

IN THE BOX

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 NP510WS & NP610S

| | |
|---|---|
| OPTICAL | |
| Display Technology | NP510WS: 0.59" LCD with MLA NP610S: 0.63" LCD |
| Resolution Native | NP510WS: WXGA 1280 x 800 NP610S: XGA 1024 x 768 |
| Maximum Light Output (lumens) | UXGA 1600 x 1200 NP510WS: 2100 normal / Eco = approx. 70% of normal mode NP610S: 2600 normal / Eco = approx. 70% of normal mode |
| Contrast Ratio | 600:1 |
| Lamp Type | 230W AC / 170W eco |
| Lamp Life (up to) | 4000 hours normal / 5000 hours eco |
| Screen Size (diagonal) | NP510WS: 57 – 104 in., 1.45-2.64m NP610S: 60 – 110 in., 1.52-2.79m |
| Throw Ratio | 0.74:1 |
| Projection Distance | 2.9 - 5.6 ft. / 0.9 - 1.7m |
| Projection Angle | 29.1° tele / 29.4° wide |
| Lens | |
| Zoom | 1.2 |
| Focus | Manual |
| F-#, f-# | F = 2.3, f = 9.7mm |
| Keystone Correction | Automatic or manual +/- 20° |
| SIGNAL COMPATIBILITY/CONNECTIVITY | |
| Scan Rate | Horizontal 15 - 100 kHz / Vertical 50 - 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, Y/Cb/Cr component (with optional adapter – ADP-CV1E) |
| PC Signal Compatibility | VGA, SVGA, XGA, SXGA, SXGA+, UXGA |
| Macintosh Compatibility | Yes |
| Input/Output Terminals | |
| RGB 1 (analog) | 15 pin |
| RGB2 | DVI-I w/ HDCP |
| Video 1 | RCA |
| Video 2 | S-Video |
| Audio 1 | L/R RCA (shared by video sources) |
| Audio 2 | 1/8 in. stereo |
| Audio 3 | 1/8 in. stereo |
| Audio Out | mini stereo (Variable audio out) |
| Monitor Out | Yes |
| Audio | 7W speaker |
| External Control | RS-232, IR, LAN, DDC/CI |
| Sync Compatibility | Separate Sync / Composite Sync / Sync on G |
| ELECTRICAL | |
| Power Req. | 100 - 240V AC, 50/60Hz |
| Input Current | 3.8A/1.5A |
| Power Consumption (Normal Mode/ECO Mode/Standby (Power Saving)) | 312W / 237W / 0.6W |
| MECHANICAL | |
| Installation Orientation | Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear |
| Dimensions (WxDxH) | 12.1 x 11.9 x 5.4 in. / 308 x 301 x 136mm |
| Net Weight | 7.3 lbs. / 3.3 kg |
| Fan Noise | 35 dB normal / 29 dB eco |
| Regulations | UL60950-1, CSA60950-1, FCC Part 15 Class B, ICES-03 Class B, NOM-001-SCFI-1993 |
| ENVIRONMENTAL | |
| Operational Temp | 41° - 95°F / 5° - 40°C |
| Humidity | 20-80% non-condensing |
| Storage | 14° - 122°F / -10° - 50°C |
| ACCESSORIES | |
| NP01MR | IR receiver enables PJ remote to control PC and MAC functions |
| WPA001 | 802.11b/g wireless adapter |
| SPKR30 | Amplified 30 watt speaker |
| ADP-CV1E | Component video to VGA adapter |
| LEATHERROLLER | Leather rolling case for laptop and PJ, fits in most airplane storage bins |
| NP600CM | Ceiling mount |
| NP01UCM | Universal ceiling mount for projectors weighing less than 40 pounds |
| NPSTWAM | Short throw wall mount |
| ADJ006009 | 6 to 9 inch adjustable extension column for use with projector mount |
| ADJ0012018 | 12 to 18 inch adjustable extension column for use with projector mount |
| ADJ0203 | 2 to 3 foot adjustable extension column for use with projector mount |
| ADJ0305 | 3 to 5 foot adjustable extension column for use with projector mount |
| SCP100 | Adjustable suspended ceiling plate for use with ceiling mount |
| NP07LP | Replacement lamp |
| RMT-PJ29 | Replacement remote control |
| NPSTCTL | Control and signal interface box |
| WARRANTY PROGRAMS | |
| NECEW1-MP | Extends term of parts and labor warranty to 3 years |
| NECEW2-MP | Extends term of parts and labor warranty to 4 years |
| ADVEXON1-MP | Extends term of InstaCare service program to 2 years |
| ADVEXON2-MP | Extends term of InstaCare service program to 3 years |
| NECECO | 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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NEC Display Solutions

500 Park Boulevard, Suite 1100
Itasca, IL 60143
866-NEC-MORE

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