

P Series

P350X, P350W and P420X digital projectors



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

Essential Features for Integration

- With XGA and WXGA native resolutions, high brightness up to 4200 lumens and patented NEC technologies, P Series projectors display impressive image quality
- Remarkable contrast ratio (2000:1) enhances your image
- Powerful 10-watt speaker provides volume needed for large rooms
- Vertical lens shift provides for flexible installation
- Terminal cover easily hides cables to create a clean environment while deterring unintentional access
- Versatile, color-coded connections to computer, video sources and external monitor

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
- Low power consumption (0.2W in stand-by mode) minimizes energy costs
- Direct power off provides instantaneous shutdown of the projector

Top cover lamp change

This feature provides for easy lamp changes without removal of the projector from the mount.



Active lens cover

This cover enables presenters to immediately mute the audio and video, then seconds later lower the lamp brightness to 25% for a short period of time.



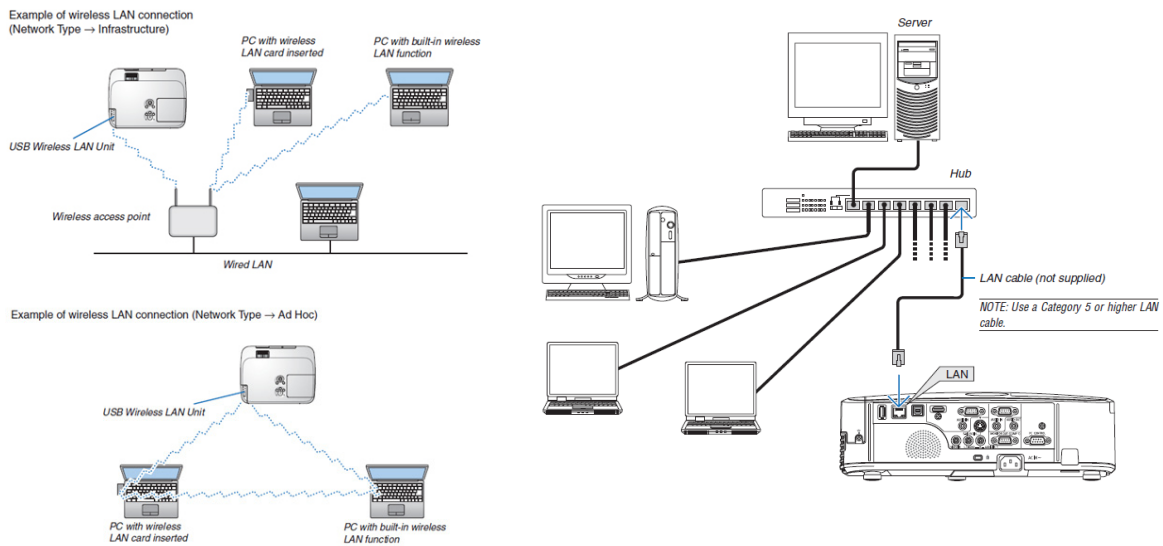
5000-hour filter life

NEC is committed to designing its products to provide long lifecycles. This commitment even extends to components within its products, including the improved filter. This virtually maintenance-free filter reduces the frequency at which cleaning is required, thereby decreasing your total cost of ownership.



Advanced Networking Capabilities

- Integrated RJ45 connection for quick connection to the LAN (10/100 base-T capability)
- Integrated high-speed wireless LAN IEEE 802.11b/g/n
- Remote diagnostics enable the user to monitor and make adjustments to the projector remotely
- PC CTL 4.0 controls the power switching input selection and other functions while managing lamp usage and a variety of other vital information over the network. Email notification and projector scheduling for better asset management is included with the software.
- Image Express Utility dedicated projector software (IEU 2.0; compatible with Windows or Mac operating systems) provides wired and wireless data transmission via peer-to-peer or over the network
- Broadcast mode allows you to send information from one computer to several projectors
- Image Express Lite dedicated projector software provides wired and wireless data transmission via peer-to-peer or over the network
- Windows Network Projector function within Windows Vista connects directly to networked projectors without the need for additional proprietary software
- Windows Remote Desktop function allows you to control a networked computer by connecting a USB mouse and keyboard directly to the projector's USB input
- Windows Media Connection and Network Drive functions display multimedia files (.jpeg, .bmp, .png, .mpeg2 or .wmv9) stored on the Windows Media Connect server, in the Windows shared folder, or on a local network using the Viewer function—all without bringing your PC into the conference room
- Crestron Roomview



Built-In Software

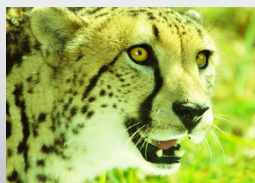
Built-in wall color correction presets

These provide for adaptive color tone correction to display properly on non-white surfaces.

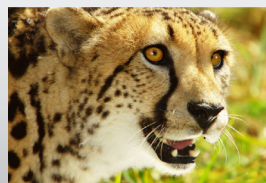
On a green wall...



BEFORE auto wall correction



AFTER auto wall correction



DICOM SIM

DICOM Simulation enables users in medical environments to display accurate diagnostic images.



Advanced Software Features

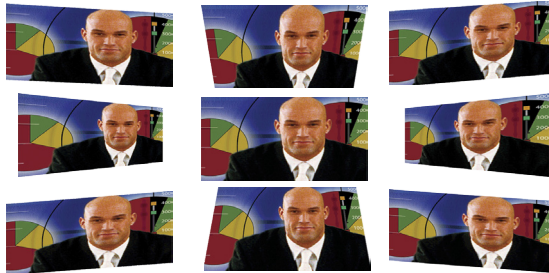
Virtual Remote™

Used via a network connection (wired/wireless), you can control the projector directly from a computer without the need for additional control cables.



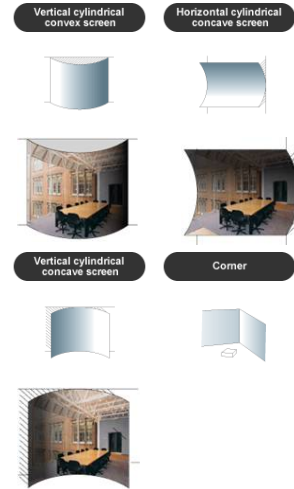
Cornerstone

Enhanced keystone correction allows for horizontal, vertical and diagonal image correction for aligned images even when the projector is set up at an angle to the screen.



Geometric Correction

Projecting an image isn't confined to a standard flat screen or wall with the NEC P Series. Geometric correction allows these models to project an image on spheres, cylinders, corner angles and many more non-standard surfaces.



Get Connected with a Wide Selection of Inputs

- Dual computer inputs ensure quick switching between presentations
- Four audio inputs (two mini stereo, R/L and HDMI) make it easy to add sound to enhance your presentations

Remote control

Easy control from remote allows you to adjust lamp mode, aspect ratio, volume and image all with the touch of a button.



HDMI input

Among the P Series' wide selection of inputs is an HDMI w/HDCP for connecting to high-definition sources such as Blu-ray players, cable boxes, satellite receivers and personal computers.



Variable audio-out

This input enables the 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.



USB Viewer

In instances when you'd prefer to leave your laptop behind for a presentation, P Series projectors can deliver a solution. Using the presentation conversion software included with your projector, simply place your file onto a USB drive and plug it into the projector's USB port. This allows you to display images stored as .jpgs from optional USB memory.



USB input

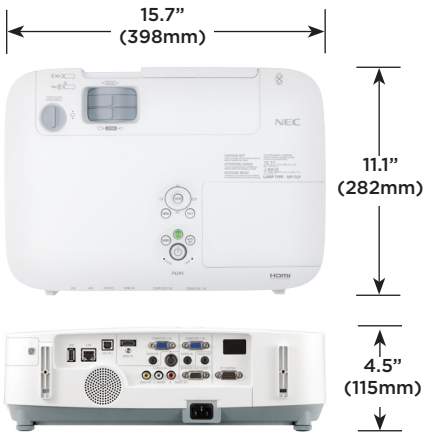
Your connection options go even further with the P Series. Connect your laptop or PC directly to the projector using the USB port and a standard USB cable.



Input panel cover

This optional accessory creates a clean look for your installation, while hiding signal cables and the power cord.





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

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.

SHIPS WITH

Remote control, batteries, power cord, RGB signal cable, built-in lens cover, user's manual on CD-ROM, quick start guide, product registration card, security sticker

ORDERING MODEL NUMBERS

- NP-P350X
- NP-P350W
- NP-P420X



Specifications for P350X/P350W/P420X

OPTICAL Display Technology Light Output (lumens) Resolution Native Maximum Contrast Ratio (up to) Lamp Type Lamp Life (up to) Screen Size (diagonal) Throw Ratio Projection Distance Projection Angle Lens* Zoom Focus F-#, f-# Shift (vertical) Keystone Correction	P350X/P420X: 0.63" LCD with MLA P350W: 0.59" LCD with MLA P350X/P350W: 3500 normal / Eco = approx. 75% of normal mode P420X: 4200 normal / Eco = approx. 75% of normal mode P350X/P420X: XGA 1024 x 768 P350W: WXGA 1280 x 800 UXGA 1600 x 1200 2000:1 P350X: 230W AC / 170W eco P350W/P420X: 265W AC / 195W eco P350X: 4000 hours normal / 5000 hours eco P350W/P420X: 3000 hours normal / 3500 hours eco 25 - 300 in., 0.64 - 7.6m 1.3 - 2.2 P350X/P420X: 1.9 - 45.3 ft. / 0.6 - 13.8m P350W: 2.3 - 47.8 ft. / 0.69 - 14.6m 0 - 9.8° tele / 0 - 16.5° wide 1.7 Manual F=1.7 - 2, f=17.4 - 29mm P350X/P420X: 0 - 0.5V P350W: 0 - 0.6V Manual +/- 30°
SIGNAL COMPATIBILITY/CONNECTIVITY Scan Rate Horizontal Vertical Supported Video Standards SD/HD Video Signal Compatibility HDMI Signal Compatibility PC Signal Compatibility Macintosh Compatibility Input/Output Terminals RGB1 (analog) RGB2 (analog) RGB3 (digital) RGB4 (digital) Video 1 Video 2 Audio 1 Audio 2 Audio 3 Audio Out Monitor Out Audio External Control Sync Compatibility	15 - 100 kHz 50 - 120 Hz NTSC, NTSC4.43, PAL, PAL-60, PAL-M, PAL-N, SECAM 1080i, 1080p, 720p, 576p, 576i, 480p, 480i, Y/Cb/Cr component (with optional adapter - ADP-CV1E) VGA, SVGA, XGA, WXGA, SXGA, 480p, 576p, 720p, 1080i, 1080p VGA, SVGA, XGA, SXGA, SXGA+, UXGA Yes 15 pin 15 pin HDMI USB A Type RCA S-Video L/R RCA (shared by video sources) 1/8 in. stereo 1/8 in. stereo mini stereo (Variable audio out) Yes 10W speaker RS-232, IR, LAN, DDC/CI, USB, Wireless LAN Separate Sync / Composite Sync / Sync on G
ELECTRICAL Power Requirements Input Current Power Consumption (Normal/ECO Mode/ Standby/Standby-Power Saving)	100 - 240V AC, 50/60Hz P350X: 3.5 - 1.5A P350W/P420X: 3.9 - 1.7A P350X: 311W / 239W / 197W / 9W / 0.2W P350W/P420X: 358W / 271W / NA / 9W / 0.2W
MECHANICAL Installation Orientation Dimensions (WxDxH) Net Weight Fan Noise Regulations	Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear 15.7 x 11.1 x 4.5 in. / 398 x 282 x 115mm 8.6 lbs. / 3.9 kg P350X: 35 dB normal / 29 dB eco P350W/P420X: 36 dB normal / 30 dB eco UL60950-1, CSA60950-1, FCC Part 15 Class B, ICES-03 Class B, NOM-001-SCFI-1993
ENVIRONMENTAL Operating Temperature Humidity Storage	41° - 104°F / 5° - 40°C 20-80% non-condensing 14° - 122°F / -10° - 50°C
ACCESSORIES NP01MR NP02LM1 NP01CV SPKR30 ADP-CV1E MP300CM NP01UCM AECO0609 AECO12018 AECO203 AECO305 SCP200 NP17LP NP16LP RMT-PJ31 NECEW2-I ADVEXON2-I	IR receiver enables PJ remote to control PC and MAC functions 802.11b/g/n wireless LAN adapter Input panel cover Amplified 30 watt speaker Component video to VGA adapter 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 for P350W and P420X Replacement lamp for P350X Replacement remote control Extends term of parts and labor warranty to 4 years Extends term of InstaCare service program to 3 years

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

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