\Orchestrating a brighter world

NEC

Professional Installation Projectors

P Series

Powerful and compact installation projectors with a feature set designed for the most demanding projection applications.
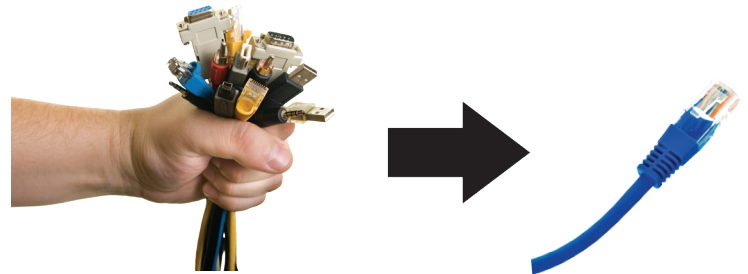
Integrated and Powerful

- Project uncompressed FHD video with integrated HDBaseT
- High performance video processing/scaling creates life-like images
- Integrated software applications such as Crestron Roomview, AMX Beacon and PJ Link allow for complete interactivity and control

Flexible

- Horizontal & vertical keystone adjustment provides the ability to square the image to the screen
- Lens shift capabilities make alignment easy: P452W/P502W (+59 vertical, +/- 28% horizontal), P502W/P502H (+62 vertical, +/- 25% horizontal)

Built-In HDBaseT Support

Simplify your installations with HDBaseT. Optimized for video applications and supporting uncompressed full HD digital video, audio, ethernet, power and various control signals. With only a single cable (up to 100m) to run, infrastructure and labor costs are reduced, installations are significantly easier, and there is no cable clutter to manage. With uncompressed HD video support, images have never been more stunning. What's more, control signals are contained in the same cable.
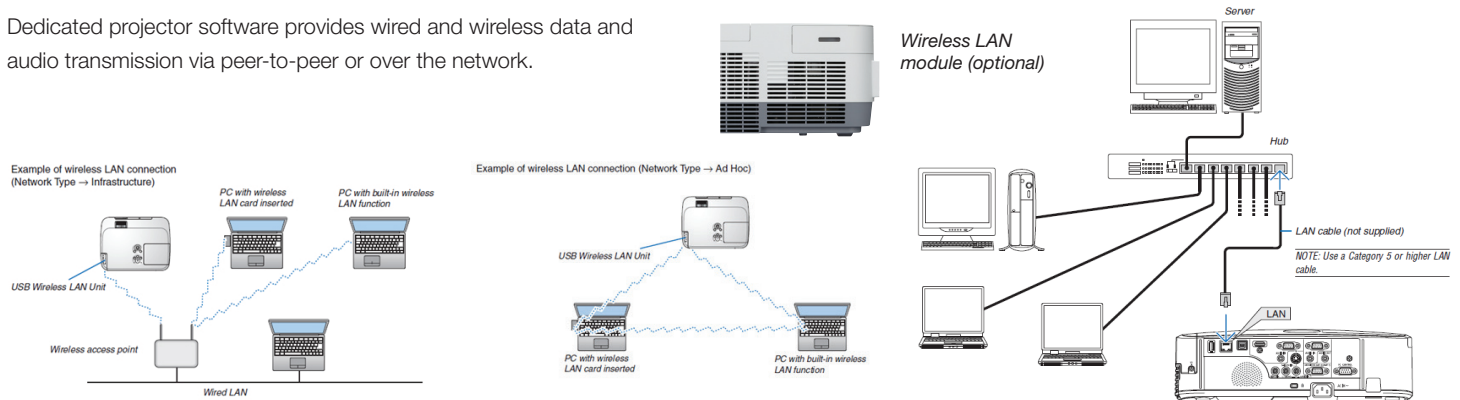
Advanced Networking Capabilities

- 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
- 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.
- PC CTL 5.0 for MAC users
- Control and receive important broadcast messages via Crestron Roomview™
- Wireless Image Utility (WIU) sends images directly from an iPad to the projector (requires wireless LAN module NP05LM1)
- Simple Access Point Sending photos and documents have never been easier from a computer or iPad.
- MultiPresenter enables up to 16 wireless devices to be connected to the projector simultaneously with access controlled by the moderator.

Image Express Lite

Dedicated projector software provides wired and wireless data and audio transmission via peer-to-peer or over the network.
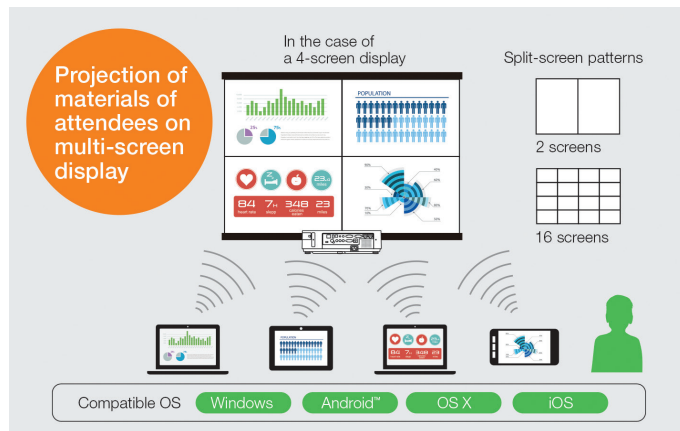
Wireless LAN module (optional)

Server

Hub

LAN cable (not supplied)

NOTE: Use a Category 5 or higher LAN cable.

LAN

Example of wireless LAN connection (Network Type → Infrastructure)

PC with wireless LAN card inserted

PC with built-in wireless LAN function

USB Wireless LAN Unit

Wireless access point

Wired LAN

Example of wireless LAN connection (Network Type → Ad Hoc)

USB Wireless LAN Unit

PC with wireless LAN card inserted

PC with built-in wireless LAN function

P Series Features

Multi-screen Projection Function*

The multi-screen projection function allows you to share screens from multiple devices on various split-screen displays. Display information from up to 16 PCs, tablet PCs, smart phones, and other network connected devices on a multi-screen display of up to 16 screens. Easily share screens and information regardless of device or operating system.

*Requires an optional wireless LAN module for wireless connection. PCs require the installation of the Image Express Utility Lite software on the included CD-ROM. Smart phones and tablets require the download and installation of our Wireless Image Utility software.

Wireless Image Utility

Projection of materials of attendees on multi-screen display

In the case of a 4-screen display

Split-screen patterns

2 screens

16 screens

Compatible OS   Windows   Android™   OS X   iOS

Remote control

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

Dual HDMI inputs

Among the P Series' wide selection of inputs are 2 HDMI w/HDCP (one MHL compatible) for connecting to high-definition sources such as Blu-ray players, cable boxes, satellite receivers and personal computers.

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

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.
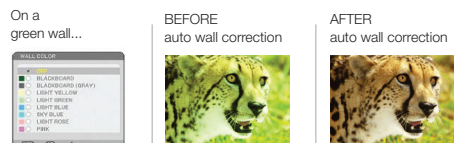
Top cover lamp change

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

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

Input panel cover

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

FUll HD 3D video (144Hz)

When combined with active shutter glasses and 3D emitter, the P Series Projectors create 3D images from a computer or Blu-ray player. The projectors utilize the 3D sync line output to connect to the 3D emitter. Optional 3D glasses and emitters by XPAND are available from NEC (X105-RF-X2 / AD025-RF-X1)

DIGITAL PICTURE BY DLP CINEMA TEXAS INSTRUMENTS

DLP SmartSource 3D

UNIQUE FEATURES

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

AutoSense™ automatically syncs with any computer signal and features one-touch image optimization

64-step image magnification with location control

Discreet source keys for source selection

Remote diagnostics enable the user to monitor and make adjustments to the projector remotely

Built-in HTTP page for control and monitoring over a LAN network. Email notification of error messages or lamp end-of-life can be sent to remote locations.

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 1000 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, RGB signal cable power cord, lens cap, user's manual on CD-ROM, quick start guide, security sticker, product registration card.

ACCESSORIES

SCP200	Suspended ceiling plate
MP300CM	Ceiling mount
NP05LM1	Wireless LAN Module
RMT-PJ38	Replacement remote control
PWRCRD-VT70	Power cable
RGBCBL-PJPX	RGB cable
NP38LP	Replacement Lamp for P452W/P452H
NP39LP	Replacement Lamp for P502W/P502H
NP09CV	Terminal Cover
X105-RF-X2	XPAND 3D RF Glasses
AD025-RF-X11	XPAND 3D RF Transmitter
NECEW1-I	Extends term of parts and labor warranty to 4 years
NECEW2-I	Extends term of parts and labor warranty to 5 years
ADVEXON1-I	Extends term of InstaCare service program to 2 years
ADVEXON2-I	Extends term of InstaCare service program to 3 year
DNSL	DisplayNote Site License

ORDERING MODEL NUMBERS

NP-P452W	NP-P452H
NP-P502W	NP-P502H

		P452W | P502W	P452H | P502H
Display Technology		0.65" DMD	
Light Output (lumens)		P452W - 4500 normal / Eco = variable P502W - 5000 normal / Eco = variable	P452H - 4500 normal / Eco = variable P502H - 5000 normal / Eco = variable
Resolution	Native	WXGA 1280 x 800	1080p 1920 x 1080
	Maximum	WUXGA 1920 x 1200	
Contrast Ratio (up to)		6,000:1 with auto iris	
Lamp Life (up to)		5000 hours	
Screen Size (diagonal)		30 to 300 in. / 0.76 to 7.62m	
Throw Ratio		1.3 - 2.2	1.24 - 2.1
Projection Distance		2.6 to 47.6 ft. / 0.8 to 14.5m	2.6 to 46.6 ft. / 0.8 to 14.2m
Projection Angle		12.6 to 12.9° tele / 21.0 to 21.9° wide	13.2 to 13.5° tele / 21.9 to 22.9° wide
Lens	Zoom	Manual	
	Zoom Ratio	1.7:1	
	Focus	Manual	
	F-number, f-number	F= 2.0, f= 18.2 to 31.1mm	
	Shift	Manual +0.59 vertical, +/-28 horizontal	Manual +0.62 vertical, +/-25 horizontal
Keystone Correction		+/- 25° horizontal, +/- 30° vertical	
Synchronization Range	Horizontal	Analog: 15-100kHz, Digital: 15-153kHz	
	Vertical	Analog: 48-120Hz, Digital: 24-120Hz	
Supported Video Standards		NTSC, NTSC4.43, PAL, PAL-60, PAL-M, PAL-N, SECAM	
SD/HD Video Signal Compatibility		1080p, 1080i, 720p, 576p, 576i, 480p, 480i	
PC Signal Compatibility		VGA, SVGA, XGA, SXGA, SXGA+, UXGA, WUXGA	
Macintosh Compatibility		Yes	
Input/Output Terminals	RGB1 (analog)	15 pin, Component video using ADP-CV1E adapter	
	RGB2 (digital)	HDMI w/HDCP	
	RGB3 (digital)	HDMI w/HDCP	
	RGB4 (digital)	HDBaseT	
	Video	RCA	
	Audio 1	L/R RCA (shared by video sources)	
	Audio 2	1/8 in. stereo	
	Audio Out	1/8 in. stereo (Variable audio out)	
	Monitor Out	15Pin D-sub	
3D Sync Line		3Pin D	
Audio		20W mono	
External Control		RS-232, IR, HDBaseT, RJ45, DDC/CI, USB	
Sync Compatibility		Separate Sync / Composite Sync / Sync on G	
Power Requirements		100 – 240V AC, 50/60Hz	
Input Current		4.9A to 2.0A | 5.4A to 2.2A	4.9A to 2.0A | 5.4A to 2.2A
Power Consumption (ECO off/ECO Mode/Standby/Standby-Power Saving)		P452W - 426W / 288W / 2.7W / 0.26W P502W - 465W / 311W / 2.7W / 0.26W	P452H - 426W / 288W / 2.7W / 0.26W P502H - 465W / 311W / 2.7W / 0.26W
Installation Orientation		Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear	
Dimensions (WxDxH)		14.3 x 12.1 x 5.5 in. / 362 x 306 x 139mm	
Net Weight		11.5 lbs. / 5.2 kg	
Fan Noise		39 dB normal / 31 dB eco	
Regulations		USA: UL(UL60950-1, FCC Part15 Class B Canada: CUL(UL60950-1, CES-003 Class B	
Operating Temperature		41° – 104°F / 5° – 40°C	
Humidity		20-80% non-condensing	
Storage		-14° – 122°F / -10° – 50°C	

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