laser light source

\Orchestrating a brighter world NEC

Entry-Level Professional Installation Projectors

P Series

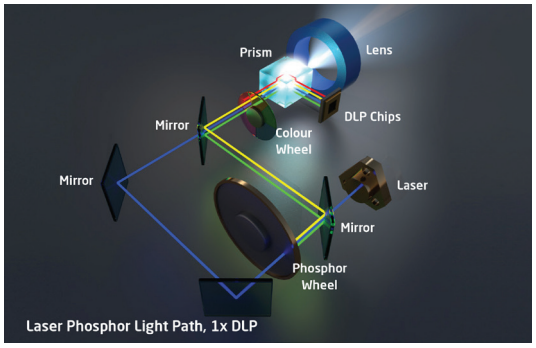
P502WL-2 | P502HL-2



Powerful installation projectors with laser-phosphor light source supports new, demanding projection applications.

Laser Light Module

- 20,000-plus hours of virtually maintenance-free operation
- High-brightness, lower power consumption enhances applications such as retail, digital signage and theme parks
- Ability to control brightness creating a stable image over longer time periods



Laser Phosphor Light Path, 1x DLP

Integrated and Powerful

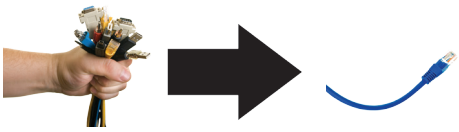
- Project uncompressed FHD video with integrated HDBaseT
- High performance video processing/scaling creates life-like images
- Integrated software applications such as Crestron Roomview, AMX Beacon and PJ Link allow for complete interactivity and control

Flexible

- Tilt-free installation capabilities make these projector ideal for almost any install environment, including portrait orientation
- Lens shift capabilities make alignment easy: P502WL-2 (+59 vertical, +/- 28% horizontal), P502HL-2 (+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.





MultiPresenter

MultiPresenter is application software that lets you display your device's screen (PC, tablet, smart phone, etc.) on the receiver projectors via wired or wireless LAN. MultiPresenter is free and available on Windows, Mac, iOS, and Android. MultiPresenter can send images from your various devices, which enables you to display real-time images with the internal camera or web pages on the smart devices in combination with a file sharing application.

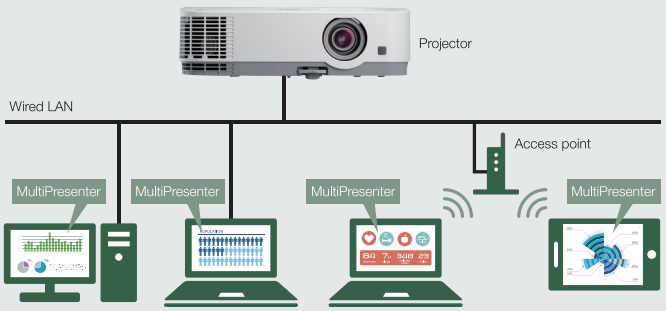
MultiPresenter™

Desktop Version (Win/Mac)

Computer audio and video data (audio can be transmitted only when using Windows) can be transmitted via a wireless or wired LAN.

- Easy Connection
  Input a 4-digit number (PIN code) for a network connection via wireless LAN.
- Multiple devices (maximum of 16 screens) can display at the same time and simultaneously display onto multiple receiving projectors.
- Projector control

Connection Example

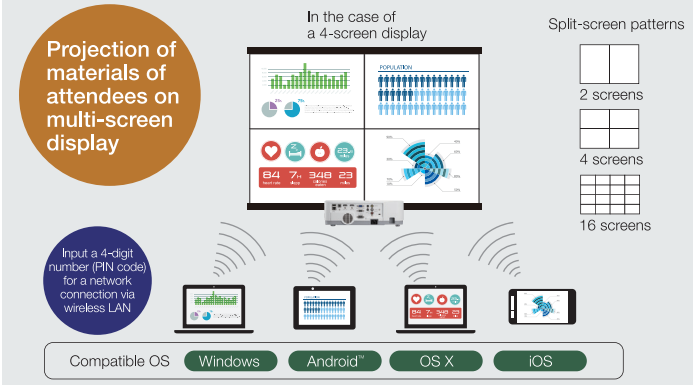


Mobile Version (Android/iOS)

You can transmit files, photos, camera images, files of web pages, and other information stored on Android or iOS devices via a wireless LAN.

- Easy Connection
  Input a 4-digit number (PIN code) for a network connection via wireless LAN.
- Multiple devices (maximum of 16 screens) can display at the same time and simultaneously display onto multiple receiving projectors.
- Projector control

Wireless connection image using wireless LAN module



Advanced Networking Capabilities

- Integrated RJ45 connection for quick connection to the LAN (10/100 base-T capability)
- Control and receive important broadcast messages via Crestron Roomview™
- MultiPresenter enables up to 16 wireless devices to be connected to the projector simultaneously with access controlled by the moderator.
- Remote diagnostics enable the user to monitor and make adjustments to the projector remotely
- Simple Access Point Sending photos and documents have never been easier from a computer or iPad.

Advanced Software Features

Full HD 3D video (144Hz)

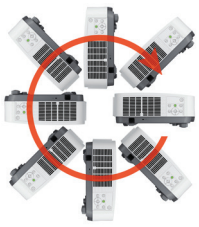
When combined with active shutter glasses and 3D emitter, the P Series Projectors create 3D images from a computer or Blu-ray player. The projectors utilize the 3D sync line output to connect to the 3D emitter. Optional 3D glasses and emitters by XPAND are available from NEC (X105-RF-X2 / AD025-RF-X1)

DIGITAL PICTURE BY DLP CINEMA TEXAS INSTRUMENTS

DLP SmartSource 3D

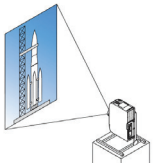
Tilt-free

The projector can be rotated freely (360°) to orient the image depending on the installation requirements



Portrait mode

Allows the projector to be rotated (and screen if necessary) to a vertical alignment so that portrait content can be viewed without black bars on the side when landscape mode is used.



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 five (5) years or 20,000 hours (whichever comes first) parts and labor warranty including InstaCare next business day exchange.

SHIPS WITH

Remote control, batteries, power cord, user's manual on CD-ROM, quick start guide, product registration card.

ACCESSORIES

SCP200	Suspended ceiling plate
PA600CM	Ceiling mount
NP05LM1	Wireless LAN Module
RMT-PJ38	Replacement remote control
PWRCRD-PJPX	Power cable
RGBCBL-PJPX	RGB cable
NP08CV	Safety Cover for Portrait Installation
X105-RF-X2	XPAND 3D RF Glasses
AD025-RF-X11	XPAND 3D RF Transmitter
DNSL	DisplayNote Site License

ORDERING MODEL NUMBERS

NP-P502WL-2
NP-P502HL-2

		P502WL-2	P502HL-2
Display Technology		0.65" DMD	
Light Output (lumens)		5000 normal / Eco = variable	
Resolution	Native	WXGA 1280 x 800	1080p 1920 x 1080
	Maximum	WUXGA 1920 x 1200	
Contrast Ratio (up to)		15,000:1 with auto iris	
Laser Life (up to)		20,000 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 46.6 ft. / 0.8 to 14.2m	2.6 to 47.6 ft. / 0.8 to 14.5m
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	
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		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	mini stereo (Variable audio out)	
	Monitor Out	15Pin D-sub	
3D Sync Line		3Pin D	
Audio		20W mono	
External Control		RS-232, IR, HDBaseT, DDC/CI, USB	
Sync Compatibility		Separate Sync / Composite Sync / Sync on G	
Power Requirements		100 – 240V AC, 50/60Hz	
Input Current		5.7A - 2.3A	
Power Consumption (ECO off/ECO Mode/Standby/Standyby-Power Saving)		464W / 362W / 2.1W / 0.5W	
Installation Orientation		Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear	
Dimensions (WxDxH)		18.5 x 14.4 x 5.4 in. / 469 x 365 x 137mm	
Net Weight		19.4 lbs. / 8.8 kg	
Fan Noise		39 dB normal / 33 dB eco	
Regulations		USA: UL(UL60950-1, Laser + Lamp (IEC60825-1 Ed.3 + IEC62471-1/-5), FCC Part15 Class B Canada: CUL(UL60950-1, Laser + Lamp (IEC60825-1 Ed.3 + IEC62471-1/-5), ICES-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.

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