laser
light source

SHARP / NEC

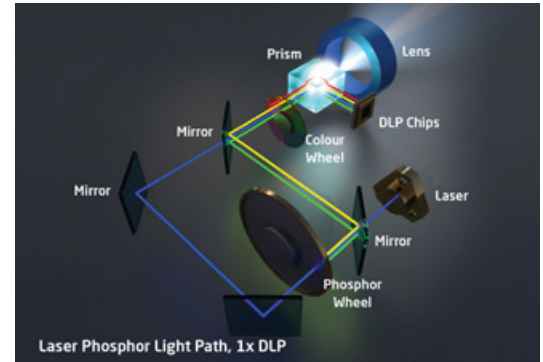Professional Installation Projectors

PX SERIES

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
- Images appear immediately after power on due to instantaneous start up of the laser

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 DisplayNote®, Crestron Roomview, AMX Beacon and PJ Link allow for complete interactivity and control
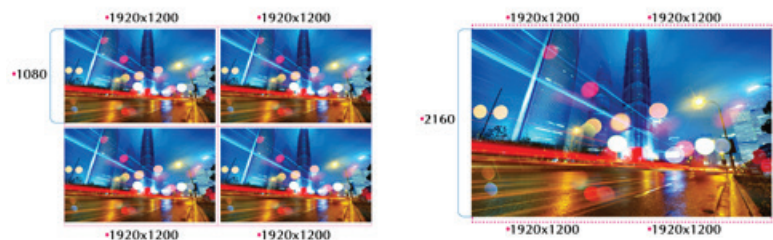- Tile Matrix enables 4Kx2K resolution

Flexible

- Enjoy greater installation flexibility with a complete line of powered optional bayonet style lenses (8) for quick and easy exchange. (including the NP39ML-4K UST lens). Lens throw distances range from 2.1 to 179.8 ft
- Tilt-free installation capabilities make these projector ideal for almost any install environment, including portrait orientation
- +50%/-30% vertical lens shift and +20%/-10% horizontal lens shift capabilities make alignment easy
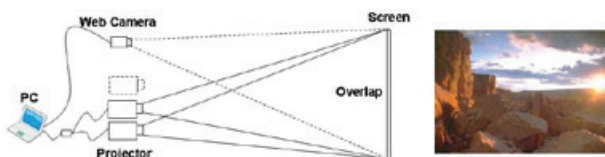

Screen Splitter

NEC is committed to bringing the latest and greatest innovation to projectors. Multi-display capabilities and TileMatrix technologies are integrated into the new PX series projectors. This processing is all done internally and therefore eliminates the additional hardware typically required to produce a beautiful 4K resolution image.

Screen Splitter (Multi Display) by Daisy Chain

Stacking correction

The industry's first built-in stacking correction capabilities (up to four projectors) allows the projectors to boost an image's brightness up to 40,000 lumens, which is ideal for larger-sized screens and environments with heavy ambient light. This feature also prevents the complete loss of an image, which can happen when using only one projector.

Edge blending

This function seamlessly blends multiple projected images to display a single high-resolution image.

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.

Remote control

Wired and wireless backlit remote allows you to adjust for complete control of the projectors menu structure in a well lit or dark environment. Direct controls such as lamp mode, aspect ratio, volume and input selection eliminates multiple button pushes.
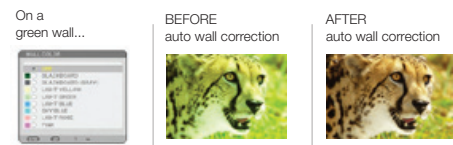
DisplayPort

This input provides PX Series models with expanded connectivity with advanced technology.

DisplayPort 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

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.
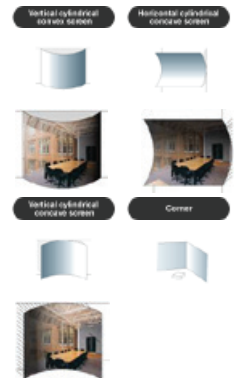
3D

When combined with active shutter glasses and 3D emitter, the PX Series Projectors create 3D images from a computer or Blu-ray player. The PX Series utilize the 3D sync line output from the projector to connect to the 3D emitter. Optional 3D glasses and emitters from XPAND are available from NEC.

3D
PROJECTION

Geometric Correction

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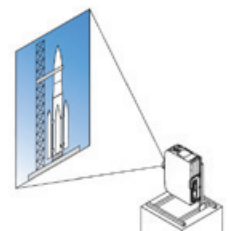
Tilt-free

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

3D Reform™ allows you to square the image by adjusting horizontally, vertically or diagonally when the projector cannot be placed parallel or perpendicular to the screen

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.

IN THE BOX

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

ACCESSORIES

IPJ2000CM	Ceiling mount
RMT-PJ35	Replacement remote control
NP01PW1	Power cable
RGBCBL-PJPX	RGB cable
Optional Lenses	NP16FL, NP17ZL, NP18ZL, NP19ZL, NP20ZL, NP21ZL, NP31ZL, NP39ML
SB-01HC	HD/SS-SDI input card
SB-04HC	3G/HD/SD-SDI input Card
XPAND X105-RF-1	3D Glasses
XPAND AD025-RF-X1	RF Emitter
N8000-8830	NEC OPS PC with Intel Core i5, 320GB Hard Drive, Windows Embedded Standard 7
N8000-8822	NEC OPS PC with Intel Celeron, 320GB Hard Drive, Windows Embedded Standard 7
ADVEXON1-I	Extends term of InstaCare service program to 2 years
ADVEXON2-I	Extends term of InstaCare service program to 3 years

ORDERING MODEL NUMBERS

NP-PX803UL-BK
NP-PX803UL-WH
NP-PX1004UL-BK
NP-PX1004UL-WH

		PX803UL	PX1004UL
Display Technology		0.67" DMD	
Light Output (lumens)		8000 normal / Eco = variable	10,000 normal / Eco = variable
Resolution	Native	WUXGA 1920 x 1200	
	Maximum	4K 4096 x 2160	
Contrast Ratio (up to)		10,000:1 with dynamic contrast	
Lamp Life (up to)		20,000 hours	
Screen Size (diagonal)		30 to 350 in. / 0.76 to 8.89m	
Throw Ratio	NP39ML	0.38:1	
	NP31ZL	0.75 - 0.93:1	
	NP16FL	0.76:1	
	NP17ZL	1.25 - 1.79:1	
	NP18ZL	1.73 - 2.27:1	
	NP19ZL	2.22 - 3.67:1	
	NP20ZL	3.58 - 5.38:1	
	NP21ZL	5.31 - 8.26:1	
Projection Distance		2.1 to 179.8 ft. / 0.64 to 54.8m	
Projection Angle		2.1 to 19.1° tele / 3.3 to 24.0° wide	
Lens	Zoom	Motorized	
	Zoom Ratio / NP39ML	-	
	NP31ZL	1.25:1	
	NP16FL	-	
	NP17ZL	1.41:1	
	NP18ZL	1.3:1	
	NP19ZL	1.65:1	
	NP20ZL	1.5:1	
	NP21ZL	1.55:1	
	Focus	Motorized	
	NP39ML		
	NP31ZL	F=1.96 to 2.3, f=11.3 to 14.1mm	
	NP16FL	F=1.85, f=11.6mm	
	NP17ZL	F=1.85 to 2.5, f=18.7 to 26.5mm	
	NP18ZL	F=1.64 to 1.86, f=25.7 to 33.7mm	
	NP19ZL	F=1.86 to 2.48, f=32.9 to 54.2mm	
	NP20ZL	F=1.85 to 2.4, f=52.8 to 79.1mm	
	NP21ZL	F=1.85 to 2.48, f =78.5 to 121.9mm	
	Shift	Motorized +50%/-30% vertical, +20%/-10% horizontal	
Keystone Correction		+/- 40° horizontal, +/- 40° 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)	VGA 15 pin D-sub, Component video using ADP-CV1E adapter	
	RGB2 (analog)	5-BNC	
	RGB3 (digital)	HDMI (V1.4) w/HDCP	
	RGB4 (digital)	DisplayPort w/HDCP	
	RGB5 (digital)	HDBaseT	
	Option Slot	OPS	
	Monitor Out	HDMI (V1.4) w/HDCP	
3D Sync Line		3Pin D	
External Control		RS-232, IR, HDBaseT, Stereo Mini , RJ-45	
Sync Compatibility		Separate Sync / Composite Sync / Sync on G	
Power Requirements		100 – 240V AC, 50/60Hz	
Input Current		4.6A - 9.4A	5.2A - 11.6A
Power Consumption	(ECO off/ECO Mode/ Standby/Standby-Power Saving)	874W/695W/4.3W/0.18W	1220W/980W/4.3W/0.18W
Installation Orientation		Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear	
Dimensions (WxDxH)		19.7 x 22.8 x 8.5 in. / 500 x 583 x 216mm	
Net Weight		61.7 lbs. / 28.0 kg	63.9 lbs. / 29.0 kg
Fan Noise		40 dB normal / 35 dB eco	42 dB normal / 37 dB eco
Regulations		USA: UL(UL60950-1, Laser + Lamp (IEC60825-1 + IEC62471), FCC Part15 Class A Canada: CUL(UL60950-1, Laser + Lamp (IEC60825-1 + IEC62471), ICES-003 Class A	USA: UL(UL60950-1, Laser + Lamp (IEC60825-1 + IEC62471), FCC Part15 Class A Canada: CUL(UL60950-1, Laser + Lamp (IEC60825-1 + IEC62471), ICES-003 Class A
Operating Temperature		-14° – 122°F / -10° – 50°C	
Humidity		20-80% non-condensing	
Storage		-14° – 122°F / -10° – 50°C	

* Lens does not ship with the projector.
Additional accessories are available, including screens, carts, mount accessories and replacement cables. Visit www.necdisplay.com for details.

CRESTRON connected   Extron   AMX   InstaCare

Sharp NEC Display Solutions of America
www.sharpnecdisplays.us