

Professional Installation Projectors

PX Series

PX602UL | PX602WL



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

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

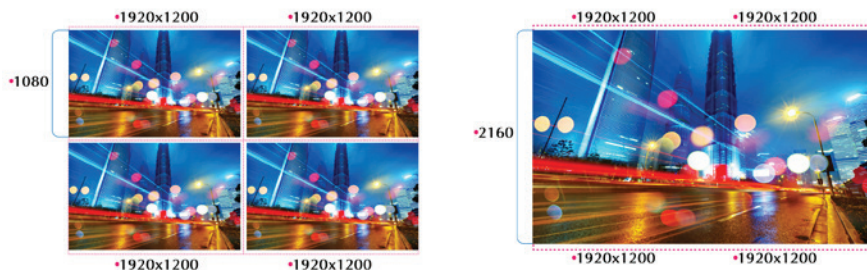
Flexible

- Enjoy greater installation flexibility with a complete line of optional bayonet style lenses (6) for quick and easy exchange. Lens throw distances range from 2.8 to 120.8 ft
- Tilt-free installation capabilities make these projector ideal for almost any install environment, including portrait orientation
- +/- 50% vertical lens shift and +/- 15% horizontal lens shift capabilities make alignment easy

Screen Splitter

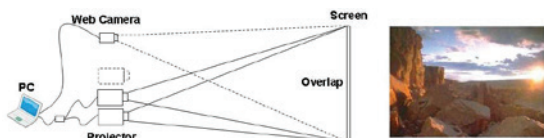
NEC is committed to bringing the latest and greatest innovation to projectors. Multi-display capabilities and TileMatrix technologies are integrated into the new PX series projectors. This processing is all done internally and therefore eliminates the additional hardware typically required to produce 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 24,000 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.



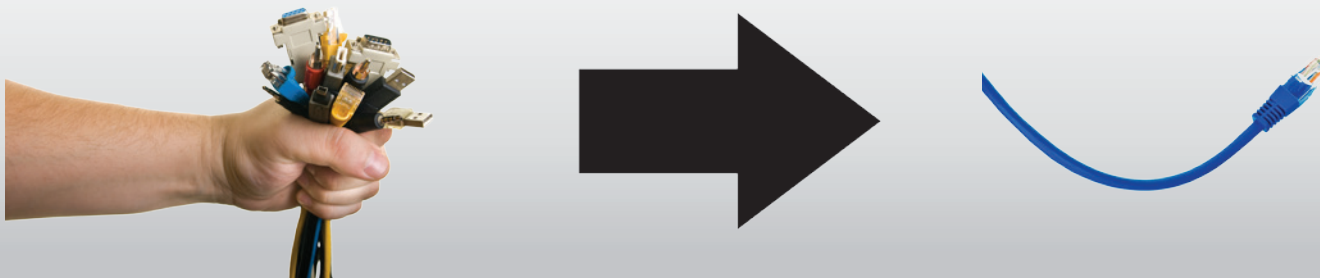
Edge blending

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.



GET CONNECTED WITH A WIDE SELECTION OF INPUTS

- **Dual computer inputs** ensure quick switching between presentations
- **Four audio inputs (two mini stereo [Comp1 & Comp2] and HDMI™)** make it easy to add sound to enhance your presentations

Remote control

Wired and wireless backlit remote allows you to adjust for complete control of the projector 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.



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.

ADVANCED SOFTWARE FEATURES

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 PX602UL/PX602WL 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.



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.



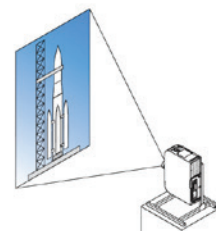
Tilt-free

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 3-year parts (excluding consumables) and labor warranty including the first year of InstaCare. 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, user's manual on CD-ROM, quick start guide, product registration card.

ORDERING MODEL NUMBERS

NP-PX602UL-WH
NP-PX602UL-BK
NP-PX602WL-WH
NP-PX602WL-BK



OPTICAL

Display Technology

PX602WL: 0.65" DMD
PX602UL: 0.67 DMD

Light Output (lumens)

6000 normal / Eco = variable

Resolution
Native

PX602WL: WXGA 1280 x 800
PX602UL: WUXGA 1920 x 1200
4K 4096 x 2160
10,000:1 with auto iris

Maximum
Contrast Ratio (up to)

Laser Life (up to)
Screen Size (diagonal)
Throw Ratio

20,000 hours
50 to 300 in. / 1.27 to 7.62m

NP33ZL
NP34ZL
NP35ZL
NP36ZL
NP37ZL
NP38ZL

0.75-0.95:1
0.95 - 1.2:1
1.23 - 1.52:1
1.28 - 1.6:1
1.52 - 2.92:1
2.9-5.5:1

Projection Distance

PX602WL: 2.8 to 120.8 ft. / 0.9 to 36.8m
PX602UL: 2.58 to 114.9 ft. / 0.79 to 35.0m
PX602WL: 53.1 to 17.5° tele / 5.7 to 22.0° wide
PX602UL: 3.2 to 18.0° tele / 6.0 to 23.0° wide
PX602WL: 2.8 to 120.8 ft. / 0.9 to 36.8m
PX602UL: 2.58 to 114.9 ft. / 0.79 to 35.0m
PX602WL: 53.1 to 17.5° tele / 5.7 to 22.0° wide
PX602UL: 3.2 to 18.0° tele / 6.0 to 23.0° wide

Projection Angle

Lens*

Zoom
Zoom Ratio
Focus
F-number, f-number

Variable
Powered
Powered

NP33ZL
NP34ZL
NP35ZL
NP36ZL
NP37ZL
NP38ZL

F= 2.3 to 2.53, f= 11.11 to 14.06mm
F= 2.3 to 2.57, f= 14.03 to 17.95mm
F= 2.0 to 2.32, f= 18.07 to 22.59mm
F= 2.0 to 2.32, f= 18.07 to 22.59mm
F= 2.3 to 3.39, f= 22.56 to 42.87mm
F= 2.3 to 2.74, f= 42.63 to 80.91mm
Powered +/- 0.5 vertical, +/- 0.15 horizontal
+/- 40° horizontal, +/- 40° vertical

Shift
Keystone Correction

SIGNAL COMPATIBILITY/ CONNECTIVITY

Synchronization Range
Horizontal
Vertical

Analog: 15-100kHz, Digital: 15-153kHz
Analog: 48-120Hz, Digital: 24-120Hz
NTSC, NTSC4.43, PAL, PAL-60, PAL-M, PAL-N, SECAM
1080p, 1080i, 720p, 576p, 576i, 480p, 480i
VGA, SVGA, XGA, SXGA, SXGA+, WXGA, UXGA, FHD,
WUXGA, 2K, QXGA, WQXGA, 4k
Yes

Supported Video Standards
SD/HD Video Signal Compatibility
PC Signal Compatibility

VGA 15-pin D-sub
S-BNC
HDMI w/ HDCP
DisplayPort w/ HDCP
HDBaseT
OPS Option Slot
HDMI
3Pin D
RS-232, IR, HDBaseT, Wired LAN, DDC/CI, USB
Separate Sync / Composite Sync / Sync on G
HDBaseT, RJ-45

Macintosh Compatibility
Input/Output Terminals

RGB1 (analog)
RGB2 (analog)
RGB3 (digital)
RGB4 (digital)
RGB5 (digital)

Option Slot
Monitor Out
3D Sync Line
External Control
Sync Compatibility
Networking

ELECTRICAL

Power Requirements
Input Current
Power Consumption (ECO off/ECO Mode/Standby/
Standby-Power Saving)

100 – 240V AC, 50/60Hz
6.8 - 2.5A
590W / 460W / 4.15W / 0.28W

MECHANICAL

Optional Lenses
Installation Orientation
Dimensions (WxDxH)
Net Weight
Fan Noise
Regulations

NP33ZL, NP34ZL, NP35ZL, NP36ZL, NP37ZL, NP38ZL
Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear
19.1 x 22.6 x 8.5 in. / 484 x 575 x 217mm
40.8 lbs. / 18.5 kg
39 dB normal / 34 dB eco
USA: UL 1950 FCC Class B, Canada: CSA950 (C-UL), NOM

ENVIRONMENTAL

Operating Temperature
Humidity
Storage

41° – 104°F / 5° – 40°C
20-80% non-condensing
-14° – 122°F / -10° – 50°C

ACCESSORIES

SCP200
PX750CM
NP33ZL
NP34ZL
NP35ZL
NP36ZL
NP37ZL
NP38ZL
NP02LM1
RMT-PJ35
NP01PW1
RGBCBL-PJPX
NP07CV
SB-01HC
SB-04HC
N8000-8830
N8000-8822
NECEW2-I
ADVEXON1-I
ADVEXON2-I

Suspended ceiling plate
Ceiling mount
0.75 - 0.95:1 zoom lens
0.95 - 1.22 zoom lens
PX602UL 1.23 - 1.52 zoom lens
PX602WL 1.28 - 1.6:1 zoom lens
1.52 - 2.9:1 zoom lens
2.9 - 5.5:1 zoom lens
Wireless LAN module
Replacement remote control
Power cable
RGB cable
Safety Cover for Portrait Installation
SD-SDI-Input Card
3G/HD/SD-SDI input Card
NEC OPS PC with Intel Core i5, 320GB Hard Drive, Windows Embedded Standard 7
NEC OPS PC with Intel Celeron, 320GB Hard Drive, Windows Embedded Standard 7
Extends term of parts and labor warranty to 4 years
Extends term of InstaCare service program to 2 years
Extends term of InstaCare service program to 3

* 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.

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