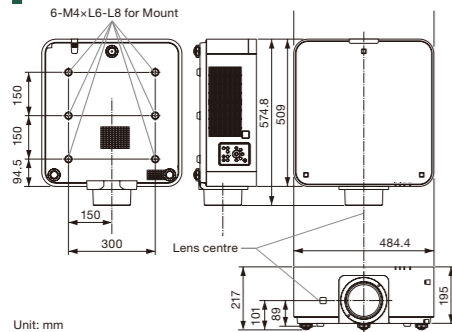


Specifications

Model Number		NP-PX602UL-WH / NP-PX602UL-BK	NP-PX602WL-WH / NP-PX602WL-BK
Method			
Reflection by single DMD chip			
Specifications of main parts			
Main panel	Size	0.67" 2 × LVDS (aspect ratio: 16:10)	0.65" 2 × LVDS (aspect ratio: 16:10)
	Pixels*1	2,304,000 (1,920 dots × 1,200 lines)	1,024,000 (1,280 dots × 800 lines)
Projection lenses	Zoom	Power-adjustable (zoom range depends on lens)	
	Focus	Power-adjustable	
	Lens shifting	Power-adjustable	
Light source		Blue laser diode	
Light source (laser diode) Life*2		20,000 hours	
Optical unit		C/W type (DLP), colour separation by colour wheel; time-multiplexing colour wheel method	
Light output *3*4	Normal mode	6,000 lm	
	ECO1 / ECO2	Approx. 80% / Approx. 50%	
Contrast ratio*4 (all white / all black)		10,000:1 with dynamic contrast	
Screen size (throw distance)		50" to 300" (throw distance depends on lens)	
Colour reproducibility		10-bit colour processing (approx. 1.07 billion colours)	
Quietness (ECO2 / ECO1 / Normal mode)		34 dB / 36 dB / 38 dB	
Scan rate	Horizontal	Analogue: 15 kHz, 24 to 100 kHz (24 kHz or greater for RGB inputs) / Digital: 15 kHz, 24 to 153 kHz	
	Vertical	Analogue: 48 Hz, 50 to 85 Hz, 100, 120 Hz / Digital: 24, 25, 30, 48 Hz, 50 to 85 Hz, 100, 120 Hz	
Max. display resolution (horizontal × vertical)		Analogue: 1,920 × 1,200 (with Advanced AccuBlend) / Digital: 4,096 × 2,160 (with Advanced AccuBlend)	
Input / output connectors			
Computer / component	Video input	Mini D-Sub 15-pin × 1, 5BNC × 1	
HDMI®	Video input	TypeA 19-pin HDMI® connector with HDCP (V1.4) × 1	
input terminals	Audio input	Yes	
HDMI®	Video output	TypeA 19-pin HDMI® connector with HDCP (V1.4) × 1	
output terminal	Audio output	Yes	
HDBaseT™	Video input	RJ45 × 1 (IEEE 802.3/802.3u 10BASE-T/100BASE-TX, shared with Ethernet)	
	Audio input	Yes	
DisplayPort™	Video input	DisplayPort 20-pin connector × 1	
	Audio input	Yes	
BNC (CV)	Video input	BNC × 1	
BNC (Y/C)	Video input	BNC × 2	
PC control connector		D-Sub 9-pin × 1	
USB port		USB type A × 1	
Ethernet port		RJ-45 × 1, (supports 100BASE-TX), shared with HDBaseT	
Remote connector		Stereo mini jack × 1	
3D SYNC output terminal		5 V / 10 mA, synchronized signal output for 3D use	
Option slot		OPS type × 1	
Usage environment			
Operating temperature: 5 to 40°C*, operating humidity: 0 to 80% (with no condensation)			
Storage temperature: -10 to 60°C, storage humidity: 0 to 90% (with no condensation)			
Operating altitude: 0 to 3,000 m (760 to 3,000 m: Set [FAN MODE] to [HIGH])			
Power supply			
Power consumption	Normal	590 W (100-130 V) / 550 W (200-240 V)	
	ECO1	460 W (100-130 V) / 440 W (200-240 V)	
	ECO2	280 W (100-130 V) / 270 W (200-240 V)	
	STANDBY (NORMAL)	Less than 0.5 W	
	STANDBY (NETWORK)	Less than 6.0 W	
Rated input current		6.8-2.5 A	
Cabinet colour		White : -WH, Black : -BK	
Dimensions (W × H × D)		484.4 × 195 × 509 mm (net dimensions, not including protruding parts)	
Weight		18.5 kg (net weight, not including lens)	

*1: Effective pixels are more than 99.99%.
 *2: Time at which the laser light source is at half brightness; not a guarantee time.
 *3: Light output value when the [PRESET] mode is set to [HIGH-BRIGHT] while using the NP35ZL lens with NP-PX602UL or NP36ZL lens with NP-PX602WL.
 *4: Compliant with ISO21118-2005.
 *5: Operating temperature depends on altitude. (0-760 m: 5-40°C, 760-1500 m: 5-35°C, 1500-3000 m: 5-30°C)
 When surrounding temperature is 35-40°C, [PRESET] becomes [ECO] mode automatically.
 These specifications and the product's design are subject to change without notice.

Cabinet dimensions



- This product is classified as Class 2 of IEC60825-1 Second edition 2007-03. The laser module is equipped in this product. DO NOT STARE INTO THE LENS WHILE IN USE
- The projector can be unplugged during its cool down period after it is turned off. Parts of the projector will become heated during operation. Use caution when picking up the projector immediately after it has been operating.
- Use caution when putting the projector in the soft case immediately after the projector has been operating. The projector cabinet is hot.

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 The images in this brochure are samples. August 2015

Remote control

(included accessory)



Options

- Lenses
- NP33ZL
- NP34ZL
- NP35ZL
- NP36ZL
- NP37ZL
- NP38ZL

Safety cover for portrait projection
 NP07CV

Boards
 3G/HD/SD-SDI : SB-04HC



OPS single board controller (computer)
 N8000-8830 / N8000-8822



Throw distance and screen size

WUXGA type PX602UL (Aspect ratio 16:10)

Screen size	Lens unit model name				
	NP33ZL	NP34ZL	NP35ZL	NP37ZL	NP38ZL
50"	0.79 m-1.01 m	1.01 m-1.32 m	1.30 m-1.64 m	1.61 m-3.12 m	3.19 m-5.93 m
60"	0.96 m-1.22 m	1.22 m-1.57 m	1.57 m-1.97 m	1.94 m-3.76 m	3.80 m-7.10 m
80"	1.29 m-1.64 m	1.63 m-2.11 m	2.10 m-2.63 m	2.61 m-5.03 m	5.02 m-9.42 m
100"	1.61 m-2.05 m	2.05 m-2.64 m	2.63 m-3.30 m	3.27 m-6.30 m	6.25 m-11.75 m
120"	1.94 m-2.47 m	2.47 m-3.18 m	3.16 m-3.97 m	3.94 m-7.57 m	7.47 m-14.08 m
150"	2.43 m-3.09 m	3.09 m-3.98 m	3.96 m-4.97 m	4.94 m-9.47 m	9.30 m-17.57 m
200"	3.25 m-4.13 m	4.13 m-5.31 m	5.29 m-6.63 m	6.60 m-12.65 m	12.36 m-23.39 m
240"	3.91 m-4.97 m	4.96 m-6.38 m	6.35 m-7.96 m	7.93 m-15.19 m	14.80 m-28.05 m
300"	4.89 m-6.21 m	6.21 m-7.98 m	7.95 m-9.96 m	9.93 m-19.00 m	18.47 m-35.03 m

WXGA type PX602WL (Aspect ratio 16:10)

Screen size	Lens unit model name				
	NP33ZL	NP34ZL	NP35ZL / NP36ZL	NP37ZL	NP38ZL
50"	0.83 m-1.07 m	1.07 m-1.37 m	1.37 m-1.72 m	1.69 m-3.28 m	3.35 m-6.23 m
60"	1.01 m-1.29 m	1.28 m-1.65 m	1.65 m-2.07 m	2.04 m-3.95 m	4.00 m-7.46 m
80"	1.35 m-1.73 m	1.72 m-2.21 m	2.21 m-2.76 m	2.74 m-5.28 m	5.28 m-9.90 m
100"	1.69 m-2.16 m	2.16 m-2.77 m	2.77 m-3.46 m	3.44 m-6.61 m	6.56 m-12.35 m
120"	2.04 m-2.60 m	2.60 m-3.33 m	3.33 m-4.16 m	4.14 m-7.95 m	7.85 m-14.80 m
150"	2.55 m-3.26 m	3.26 m-4.17 m	4.17 m-5.21 m	5.19 m-9.95 m	9.77 m-18.46 m
200"	3.41 m-4.35 m	4.35 m-5.57 m	5.57 m-6.95 m	6.94 m-13.28 m	12.98 m-24.58 m
240"	4.10 m-5.23 m	5.23 m-6.69 m	6.69 m-8.35 m	8.34 m-15.95 m	15.55 m-29.47 m
300"	5.13 m-6.54 m	6.54 m-8.37 m	8.37 m-10.44 m	10.44 m-19.95 m	19.40 m-36.81 m

*Stated projection distances are standard values.
 For a stack installation, the recommended projection distances will be different.
 *The values in the tables are design values and may vary.

NEC innovation in light source technology brings to market new breeze

PX602UL-WH / PX602UL-BK
 PX602WL-WH / PX602WL-BK



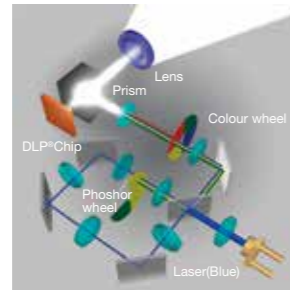
Powerful installation projectors with a laser-phosphor light source that support new, demanding projection applications

Advanced Installation Capabilities

No More Lamp Replacements

Up to 20,000 hours* of maintenance-free operation possible due to the laser light source.

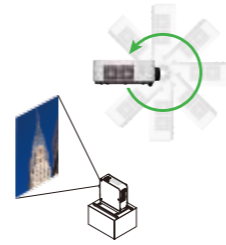
* Actual hours may vary depending on usage conditions.



Light source and optical light path image

Tilt-free and Portrait Installation Support

The projector can be rotated freely (360°) to point up or down depending on the installation requirements and can be rotated (along with the screen if necessary) to a vertical alignment so that portrait content can be viewed without black bars on the sides when landscape mode is used.

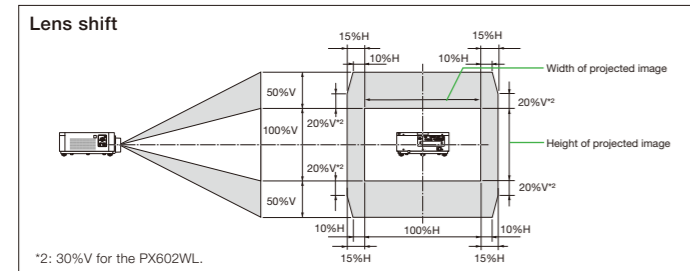


Easy Installation

Selection of wide zoom bayonet lenses, wide vertical and horizontal lens shift and control code emulation guarantee hassle-free installation and replacement of existing installation projectors.

	NP33ZL	NP34ZL	NP35ZL	NP36ZL	NP37ZL	NP38ZL
Option lens						
Lens type	Zoom Lens					
	Wide and zoom		Standard and zoom		Long and zoom	
Zoom/Focus	Power-adjustable					
Zoom ratio	1.27	1.28	1.25	1.25	1.9	1.9
Throw ratio	PX602UL 0.75-0.95 PX602WL 0.79-1.00	0.95-1.22 1.00-1.28	1.22-1.53 1.28-1.61	— 1.28-1.61	1.52-2.92 1.60-3.07	2.90-5.50 3.04-5.78
Screen size (inches)	50-300	50-300	50-300	50-300	50-300	50-300
Light output **	5,700 ANSI lm	5,100 ANSI lm	6,000 ANSI lm	6,000 ANSI lm	5,100 ANSI lm	5,500 ANSI lm
Weight	0.690 kg	0.595 kg	0.390 kg	0.390 kg	0.785 kg	0.972 kg

*1: [PRESET] mode is [HIGH-BRIGHT]



*2: 30%V for the PX602WL.

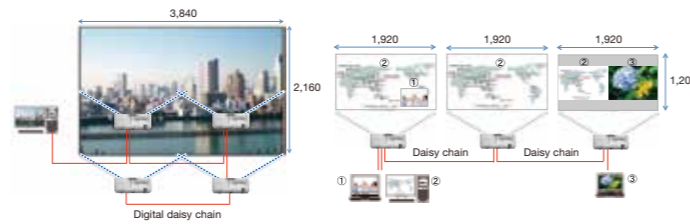
Built-in Edge Blending

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



Multiscreen Function

Multi-display capabilities and tiling technologies are integrated into the PX602 series. This projector is also equipped with multiple digital input and HDMI output terminals that can connect multiple projectors in a digital daisy chain. These cutting-edge functions produce a beautiful high-resolution image, including a 4K/2K high-resolution display using 4 PX602UL projectors and various picture in picture / picture by picture configurations.



Geometric Correction

Projection isn't confined to a standard flat screen or wall with the NEC PX602 series. Geometric correction allows these models to project an image on spheres, cylinders, corner angles and many more non-standard surfaces.



Fantastic Cinema Quality Picture

Equipped with NEC's NV1301 4,096 × 2,160 Scaler Chip and the 3rd-generation Sweetvision™ Circuit

This 10-bit video processor represents an enormous leap in video processing, with trueflagship performance in noise reduction, de-interlacing and scaling.



- 4K Ultra HD support (4,096 × 2,160 / 3,840 × 2,160)
- 12-bit gamma correction
- Advanced colour correction (6-axis saturation and hue adjustment / skin tone)
- Video and film cadence detection (multi cadence)
- Per-pixel motion adaptive de-interlacing
- Detail enhancement
- Super resolution correction (3rd-generation Sweetvision™)
- 3D random, mosquito and block noise reduction

Compatible with Diverse Signal Sources

Built-in HDBaseT Support

Simplify your installations with HDBaseT, which is optimized for video applications and supports uncompressed Full HD digital video, audio, Ethernet, and various control signals. With only a single cable (up to 100 m) 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 is more, control signals are contained in the same cable.



Wide Selection of Inputs and Outputs Such as HDMI and DisplayPort

The projector is equipped with a wide range of input/output terminals and compatible with a variety of image sources, which lets you connect HDMI, DisplayPort, computer (analogue), 5-core BNC, and video sources.

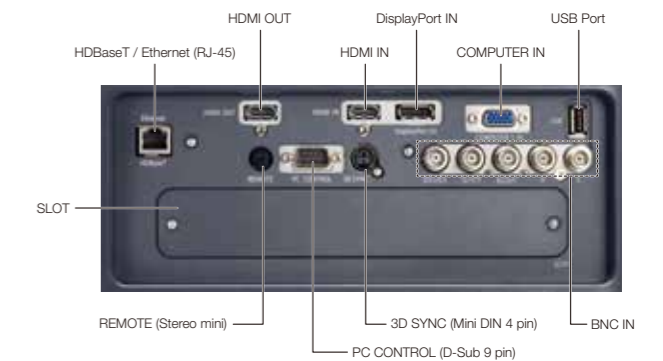


Expansion Slot

The slot technology allows for the integration of Open Pluggable Specification (OPS*) boards and other option slot products without the need to store additional external equipment. This offers the greater flexibility customers require.

*OPS is a standard established by Intel Corporation.

Terminals



Other Useful Functions and Features

- Lens shutter
- Program timer with real time clock / off timer
- Remote control ID
- Silent design for 34 dB in ECO mode
- Direct power on/off, auto power on/off
- PIN security / control panel lock / security bar / security slot

Network Control

NaViSet Administrator 2 / PC control / alert mail
CRESTRON ROOMVIEW™ / AMX BEACON
PLink / HTTP server (projector adjustment)



PX602UL

6,000 ANSI lumens WUXGA 18.5kg

PX602WL

6,000 ANSI lumens WXGA 18.5kg

Brightness using PX602UL with NP35ZL and PX602WL with NP36ZL. Weight does not include lens.