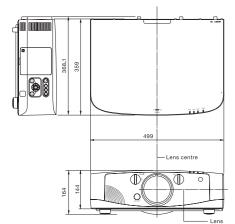
Specification

				PA600X	PA550W	PA500U			
LCD Panel				0.79 inch LCD with Micro Lens Array	0.75 inch LCD with Micro Lens Array	0.76 inch LCD with Micro Lens Array			
				(Aspect Ratio 4:3)	(Aspect Ratio 16:10)	(Aspect Ratio 16:10)			
Optical Device	е				throic mirror separation-prism convergence syste				
Resolution*1 Lens NP11FL			NP11FL	1024 x 768 pixels 1280 x 800 pixels 1920 x 1200 pixels Manual Focus, Throw ratio 0.8, F2.3, f=13.2mm					
Lens			NP12ZL	Manual Zoom / Mamual Focus	s, Zoom ratio 1 to 1.3, Throw ratio 1.19 to 1.56, F.	2.2-2.69. f=19.4-25.3 mm			
			NP13ZL		s, Zoom ratio 1 to 2.0, Throw ratio 1.50 to 3.02, F				
			NP14ZL	Manual Zoom / Mamual Focus	s, Zoom ratio 1 to 1.6, Throw ratio 2.97 to 4.79, F	2.2-2.64, f=48.5-77.6 mm			
NP15ZL					s, Zoom ratio 1 to 1.52, Throw ratio 4.70 to 7.20, F.				
Lens Shift*2 (ZL, NP15ZL)	Vertical: Max -0.1 to +0.5, Horizontal: Max ±0.3	Vertical: Max -0.1 to +0.6, Horizontal: Max ±0.3	Vertical: Max -0.1 to +0.5, Horizontal: Max ±0.			
	ode On / Eco				264W / 330W AC				
Lamp Life*4 (E					4000H / 3000H				
Image Size (P	Projection Dist	ance)	NP11FL	40 to 150 inch (0.6m to 2.5m)	40 to 150 inch (0.7m to 2.6m)	40 to 150 inch (0.7m to 2.6m)			
			NP12ZL NP13ZL	30 to 500 inch (0.7m to 16.0m)	30 to 500 inch (0.7m to 16.8m)	30 to 500 inch (0.7m to 16.5m)			
			NP13ZL NP14ZL	40 to 500 inch (1.2m to 30.8m) 60 to 500 inch (3.6m to 49.2m)	40 to 500 inch (1.3m to 32.4m) 60 to 500 inch (3.8m to 51.7m)	40 to 500 inch (1.2m to 31.9m) 60 to 500 inch (3.7m to 50.9m)			
			NP15ZL	60 to 500 inch (5.7m to 73.8m)	60 to 500 inch (5.9m to 77.6m)	60 to 500 inch (5.9m to 76.4m)			
Colour Repro-	duction		INI TOZE		sing (1.07 billion colours) (VIEWER, NETWORK : 1				
	5*6 (with NP1	371)	Eco Mode Off	6000 ANSI lumens	5500 ANSI lumens	5000 ANSI lumens			
Ligiti Gatpat	(**************************************	,,	Eco Mode On	OGG / MOTIONION	Approx. 80% of Eco Mode Off	00007440114110110			
Contrast Ratio	o (White / Bla	ck)*6			2000:1 with Iris				
Maximum Res				WUXGA (1920 x 1200) wi		WUXGA (1920 x 1200)			
Scan Rate			Horizontal	15kHz to 10	8kHz (RGB: 24kHz or over) conforms to the VESA	A standard			
			Vertical	48Hz to 120Hz (HDMI/DisplayPort : 50Hz to 85Hz) conforms to the VESA standard					
Keystone Cor	rection		Horizontal	Manual Approx.±		Manual Approx.±Max 35 degrees			
	1		Vertical		Manual Approx.±Max 30 degrees				
Input	3 Computer	Input	2 D-Sub Mini 15pin	VGA, SVGA, XGA, XGA+, WXGA, WXGA+, SXGA, SXGA+, UXGA, WUXGA, Mac					
Terminals			(Computer 1&2 IN)	RGB: 0.7Vp-p/75Ω, H/V Sync: 4.0Vp-p/TTL Level					
			1 BNC x 5 (Computer 3 IN)						
	2.0	at land	3 Stereo Mini Jack	Stereo L/R 0.5Vrms/22kΩ or over					
	(Shared wit	3 Component Input 2 D-Sub Mini 15pin (Shared with 1 BNC x 5		Y: 1.0Vp-p/75Ω(with Sync), Cb, Cr (Pb, Pr): 0.7Vp-p/75Ω					
			Audio Input is Shared	Compatible signals: 480i, 480p, 720p, 1080i, 1080p /60Hz, 576i, 576p, 720p, 1080i/50Hz DVD Progressive (50/60Hz)					
	Computer (N)		with Computer IN	Same as Computer IN					
	1 HDMI Input 1 HDMI Type A HDMI support audio			Deep Color (color depth): 8-/10-/12-bit compatible, Colorimetry: RGB, YcbCr444 and YcbCr422 compatible					
				LipSync compatible, HDCP compatible					
			HDMI support audio	Audio format : LPCM, Number of channel : 2ch, Sampling Frequency : 32/44.1/48kHz, Sampling bit : 16/20/24-bit					
	1 DisplayPort 1 DisplayPort				Gbps, No. lanes: 1 lane/2 lanes/4 lanes, Color de				
				Colorimetry: RGB, YcbCr444 and YcbCr422 compatible, HDCP compatible					
			DisplayPort support audio	Audio format : LPCM, Number of	channel: 2ch, Sampling Frequency: 32/44.1/48	Hz, Sampling bit : 16/20/24-bit			
	1 S-Video Input				Y: 1.0Vp-p/75Ω, C: 0.286Vp-p/75Ω				
				Stereo L (MONO)/R : 0.5Vrms/22kΩ or over					
				Compatible signals: NTSC/NTSC4.43/PAL/PAL-N/PAL-M/PAL-60/SECAM, Composite Video: 1.0Vp-p/75Ω					
				Same as S-Video					
Output			1 D-Sub Mini 15pin	Only Computer 1 input can be output					
Terminals	1 Audio Out		1 Stereo Mini Jack	Storon I /B 0 EVrms /22k0 or over Salasted Cor	nputer 1, Computer 2, Computer 3, HDMI, DisplayPo	ort C vidoo or Vidoo audio input can be autou			
USB Port	T Addio Odi	iput	1 Type A	Stereo L/H 0.5VIIIIs/22Rt/2 01 0Ver, Selected Col	USB2.0 (for Mouse, Keyboard, USB memory)	ort, 3-video di video addio iliput cari de datpo			
Wireless LAN	(USB Port)		1 Type A	IEEE 80	2.11 b/g/n (Optional USB Wireless LAN Unit is red	quired)			
Wired LAN Po	ort		1 RJ-45		10BASE-T / 100BASE-TX	,			
Remote			1 Stereo Mini Jack		Wired Remote Control				
Control Termi	inal PC Contro	ol	1 D-sub 9Pin		RS-232C				
Built- I n Speal					10W Monaural				
Quietness (Ed		Eco Mode		31dB /	38dB	32dB / 38dB			
Environment			Operational Temperatures		automatically to [ON] at 35°C to 40°C), 20% to 80				
			Storage Temperatures	-10°	C to 50°C, 20% to 80% Humidity (Non-Condensi	ng)			
Power Requir				<u> </u>	100 to 240V AC, 50Hz/60Hz 5.1A - 2.1A (PA600X+/PA550W+/PA500U+ : 2.5A)				
Input Current Power	Eco Mode (Off	100 - 130V	464		477W			
Power Consumption	Eco Mode (JII	200 - 240V	464		47/W 455W			
Consumption	Eco Mode ()n	100 - 130V	372		455W 384W			
	LCO WIOGE C	,	200 - 240V	356		369W			
	Standby	Normal	100 - 130V	350	16W	30514			
	Mode		200 - 240V		18W				
		Network	100 - 130V /						
		Standby	200 - 240V		6W				
		Power-	100 - 130V		0.2W				
		saving	200 - 240V		2W (PA600X+/PA550W+/PA500U+ : Less than 1W				
Calorific Value	е		100 - 130V	1583BTI		1628BTU (Max)			
			200 - 240V	1512BTU		1553BTU (Max)			
Dimensions (\	W x H x D)				mm x 144mm x 359mm (Not Including Protrusion				
Weight (Not in				7.7		7.8kg			
Gross Dimens	sions (W x H x	: D)			591mm x 259mm x 491mm				
Gross Weight				11.0		11.1kg			
Accessories			E H-h- d C:		le, Power code, CD-ROM(User's manual/Utility soft				
Regulations			For United States		proved (UL 60950-1), Meets FCC Class B Require				
			For Canada		ed (CSA 60950-1), Meets DOC Canada Class B R				
			For Europe For Asia/Oceania	weets EMC Directive (ENSSUZZ Class B, ENSSU	24, EN61000-3-2, EN61000-3-3), Meets Low Volt IEC60950-1, Meets AS/NZS CISPR.22 Class B	age Directive (EN60950-1, TUV GS Approve			
			For Asia/Oceania For Korea	V0 (-	IEC60950-1, Meets AS/NZS CISPR.22 Class B afety : K60950-1, EMC : K00022, K00024, K61000	-3-2)			
				KC (S	GB4943, GB9254, GB17625.1	∪ <i>∟</i> _I			
For China				GB4943, GB9254, GB17625.1					

- : Effective pixels are more than 99,99%.
 The Lens Shift function in not available for the NP11FL.
 Horizontal lens shift range is 0,15H at 150° over projected in:
 Lamp life is defined as the average time span for the brightn:
 This is the light output value (ANSI lumens) when the [PRESE

Cabinet Dimensions



Throw Distance and Screen Size

Screen size						
	NP11FL	NP12ZL	NP13ZL	NP14ZL	NP15ZL	
30" (0.61x0.46m)	-	0.7 - 0.9	-	-	-	
40" (0.81x0.61m)	0.6	0.9 - 1.2	1.2 - 2.4	-	-	
60" (1.22x0.91m)	1.0	1.4 - 1.9	1.8 - 3.7	3.6 - 5.8	5.7 - 8.7	
80" (1.63x1.22m)	1.3	1.9 - 2.5	2.4 - 4.9	4.8 - 7.8	7.6 - 11.6	
100" (2.03x1.52m)	1.6	2.4 - 3.2	3.0 - 6.1	6.0 - 9.7	9.6 - 14.6	
120" (2.44x1.83m)	2.0	2.9 - 3.8	3.7 - 7.4	7.3 - 11.7	11.5 - 17.6	
150" (3.05x2.29m)	2.5	3.7 - 4.8	4.6 - 9.2	9.1 - 14.7	14.4 - 22.0	
200" (4.06x3.05m)	-	4.9 - 6.4	6.1 - 12.3	12.2 - 19.6	19.3 - 29.4	
300" (6.10x4.57m)	-	7.4 - 9.6	9.2 - 18.5	18.4 - 29.5	29.1 - 44.2	
400" (8.13x6.10m)	-	9.8 - 12.8	12.3 - 24.7	24.6 - 39.4	38.8 - 59.0	
500" (10,16x7,62m)	-	12.3 - 16.0	15.4 - 30.8	30.7 - 49.2	48.6 - 73.1	

Screen size	Lens model name				
		NP12ZL	NP13ZL	NP14ZL	NP15ZL
30" (0.65x0.40m)	-	0.7 - 0.9	-	-	-
40" (0.86x0.54m)	0.7	1.0 - 1.3	1.2 - 2.5	-	-
60" (1.29x0.81m)	1.0	1.5 - 1.9	1.9 - 3.8	3.7 - 6.0	5.9 - 9.0
80" (1.72x1.08m)	1.4	2.0 - 2.6	2.5 - 5.1	5.0 - 8.0	7.9 - 12.1
100" (2.15x1.35m)	1.7	2.5 - 3.3	3.2 - 6.3	6.3 - 10.1	9.9 - 15.1
120" (2.59x1.62m)	2.1	3.0 - 3.9	3.4 - 7.6	7.5 - 12.1	11.9 - 18.2
150" (3.23x2.02m)	2.6	3.8 - 4.9	4.8 - 9.5	9.4 - 15.2	14.9 - 22.

R & B COMPUTER SYSTEMS LTD.



Remote control



Options

Replacement lamp NP21LP



NP12ZL NP13ZL

NP11FL NP14ZL NP15ZL



NP02LM1 NP02LM2 NP02LM3

Ceiling mount kit NP14CM



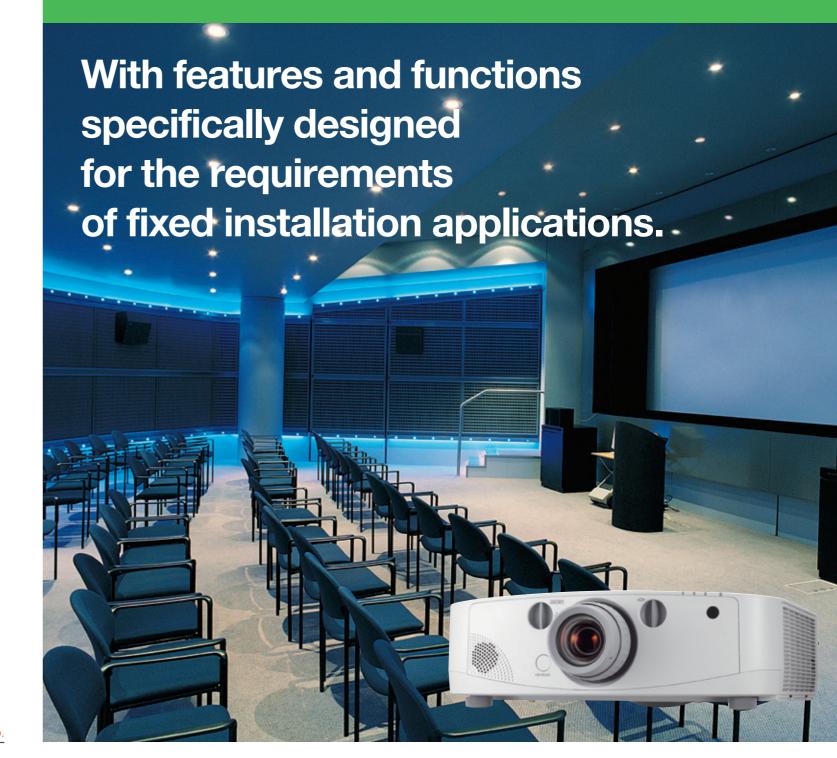
Cable cover NP02CV



Installation Projector

PA600X/PA550W/PA500U

Empowered by Innovation



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 operatin

Use caution when putting the projector in the soft case immediately after the projector has been operating. The projector cabinet is hot.

14/F., Vogue Centre, 696 Castle Peak Road, Lai Chi Kok, Kln., H.K. 香港九龍荔枝角青山道 696 號時采中心 14 樓 Fax: 23973768

Five types of optional lenses and a wide lens shift range provides improved flexibility of your installation.

Equipped with a product design and adjustment functions that are desirable with a variety of installation requirements

Lens shift function for easily adjusting the position of the projected image

The projector is equipped with a lens shift that allows you to adjust the projected image horizontally or vertically. You can easily adjust the position of the projection just by turning the lens shift dials, without having to move the projector unit itself. Furthermore, it is also equipped with a centre lens design for easy alignment.

Lens shifting range

ojected image with the lens NP13ZL





Test pattern display that is convenient for screen adjustments





Various functions that support specialized installation requirements

- (1) Geometric correction tool function* that allows you to project squares even on screens with special shapes
- (2) Supports a stack installation* that achieves high luminance equivalent to 24000 ANSI lumens
- (3) Multi-screen function* that renders the borders of multiple images
- *The support software will be provided for download through our website (scheduled for summer of 2011).

Five types of optional lenses available for flexible installation

The projector supports five types of optional lenses which are adapted to a variety of installation locations and projection methods, including conference rooms, auditoriums, and exhibition halls. The NP13ZL is compatible with 2x zoom, which allows it to handle an even PA600X broader range of projection distances. The lenses can be easily changed by using the lens release button.

		NP11FL	NP12ZL	NP13ZL	NP14ZL	NP15ZL
Option Lens				(II)		
Lens Type		Fixed Short Throw Lens	Zoom Lens	Zoom Lens	Zoom Lens	Zoom Lens
Zoom/Focus		Manual (Focus only)	Manual	Manual	Manual	Manual
Zoom Ratio		-	1.3	2.0	1.6	1.52
Throw Ratio		0.8 : 1	1.19-1.56 : 1	1.50-3.02 : 1	2.97-4.79 : 1	4.70-7.20 : 1
Screen Size		40-150 inch	30-500 inch	40-500 inch	60-500 inch	60-500 inch
Light Output*	PA600X	4500 ANSI Im	4700 ANSI Im	6000 ANSI Im	4900 ANSI Im	4700 ANSI Im
	PA550W	3900 ANSI Im	4100 ANSI Im	5500 ANSI Im	4200 ANSI Im	4100 ANSI Im
	PA500U	3400 ANSI Im	3700 ANSI Im	5000 ANSI Im	3800 ANSI Im	3700 ANSI Im
Weight		1.2 kg	1.2 kg	0.84 kg	1.0 kg	1.0 kg

This is the brightness value when the lamp mode is set to "Normal Mode" and the preset mode is about 80%. If any other mode is selected as the preset mode, brightness may drop slightly

Projected range of lens (image projected on a 100-inch screen)

PA600X	Model of lens	Projection magnification
	NP11FL	• 1.6
	NP12ZL	2,4 ↔ 3,2
	NP13ZL	3.0 ← → 6.1
	NP14ZL	9,7
	NP15ZL	9.6 ← → 14.6
PA550W	Model of lens	Projection magnification
FASSOV	NP11FL	• 1.7
	NP12ZL	2,5 ↔ 3,3
	NP13ZL	3,2 ← → 6,4
	NP14ZL	6,3 ← → 10,2
	NP15ZL	10,0 ← → 15,4
PA500U	Model of lens	Projection magnification
1 A3000	NP11FL	• 1.7
	NP12ZL	2,5 ↔ 3,3
	NP13ZL	3,2 ← → 6,3
	NP14ZL	5,3 ← → 10,1
	NP15ZL	9.9 ← → 15.1

Considering the environment and offering simple maintenance contributes to a reduced total cost of ownership.

Energy saving design with a standby power consumption of 0.2W

"Eco Mode" that curbs electricity consumption and "Carbon Meter" display

Extends the lamp replacement time to a maximum of 4000 hours in Eco Mode

Silent design of 31dB in Eco Mode that will not disturb meetings and classes

Equipped with a maintenance-free large filter

The projector uses large two-layer filters. Since it is highly effective at repelling dust, as long as the filter is replaced with new ones when changing the lamp, there is no need for regular cleaning.



Environmentally friendly optional cable cover offered that uses bio-plastics



Compatible with diverse image sources and network control. with a commitment to reproducing high quality images

Simple "DICOM SIM, Mode" allows for the easy display of medical images

The projector can display medical images saved in the DICOM format and handle presentations such as academic conferences.

*Cannot be used for diagnoses of the display images



Compatible with wired / optional wireless LANs (IEEE 802.11b/g/n) and various network controls

- (1) The projector supports Microsoft Windows Media Connect, which transmits still and moving images (streaming) to projectors connected to the network (does not support segment overrun).*
- (2) Allows you to display files that are in the shared folder of computers connected to the network.*
- (3) Supports a Wi-Fi Protected Setup (WPS). The projector can be synchronized with the access point and can be connected with a wireless LAN automatically via the infrastructure.
- (4) The projector is equipped with an access point connection that improves the security of wireless LAN connections
- (5) Compatible with the Windows Network Projector and PJ Link

Wide range of input/output terminals such as HDMI and DisplayPort

Equipped with a wide range of input/output terminals and compatible with a variety of image sources such as DisplayPort, which lets you connect the projector from about 15 meters away with minimal signal decay, as well as computer (analogue), 5-core BNC, HDMI, video, and S-video.

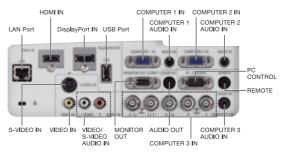
Crestron RoomView® compatibility

The projector supports Crestron RoomView®, allowing multiple devices connected to the network to be managed and controlled from a computer.



- Equipped with a 10W monaural speaker
- High resolution design through HQV® technology
- The power can be controlled intensively with **Direct Power Off.**
- High resolution of WUXGA panel (PA500U)









PA600X

XGA

PA550W

PA500U

HDMI

6000 ANSI lumens

5500 ANSI lumens WXGA

5000 ANSI lumens

WUXGA