

The Specifications of NP-PE506UL, NP-PE506WL, NP-PE456USL and NP456WSL

Model		NP-PE506UL	NP-PE506WL	NP-PE456USL	NP-PE456WSL
					
Projector Type		3 LCD type		3LCD	
Main Panel	Size/Type	0.64" LCD	0.64" LCD	0.64" LCD	0.64" LCD
	Aspect Ratio	16 : 10	16 : 10	16 : 10	16 : 10
	Native Resolution	WUXGA (1920x1200)	WXGA (1280x800)	WUXGA (1920x1200)	WXGA (1280x800)
	Pixel Numbers *1	2,304,000pixels	1,024,000pixels	2,304,000pixels	1,024,000pixels
Lens	Zoom	Yes	Yes	-	-
	Focus	Yes	Yes	Yes	Yes
	Zoom ratio	x1.66	x1.75	-	
	Throw ratio	1.2 to 2.0	1.2 to 2.1	0.44	
	F-number / focal length	1.5-2.08 / 17.2mm-27.7mm	1.7-2.2 / 17.4mm~29.0mm	1.6 / 6.39mm	
	Lens Shift	H: -29% ~ +29% V: -0% ~ 60%	H: -26% ~ +26% V: -0% ~ 55%	-	-
	Lens shutter	No		No	
Light Source	Type	SSL : MCL (105W)		SSL : MCL (105W)	
	Full Nomal mode (%)	100%		100%	
	ECO1 mode (%)	60%		60%	
	ECO2 mode (%)	50%		50%	
Light Source Life	Full Normal mode OFF	20,000h		20,000h	
	ECO1 mode	30,000h		30,000h	
	ECO2 mode	30,000h		30,000h	
Filter Life		7000h		7000h	
Optical Unit	Light Source	Blue Laser 455nm		Blue Laser 455nm	
	C/W Type (DLP)	-		-	
Light Output *2 *3	Full Normal mode OFF	5200lm (Typ.)		4500lm (Typ.)	4500lm (Typ.)
	ECO1 mode	60% of Full Normal mode		60% of Full Normal mode	
	ECO2 mode	50% of Full Normal mode		50% of Full Normal mode	
	Center lumen (Full Normal mode)	5500lm		4800lm (Typ.)	4800lm (Typ.)
Contrast Ratio (White/Black) *2 *3		∞ : 1		∞ : 1	
	Native	-		-	
Relative illumination		More than 80%		More than 80%	
Image Size (Performance guarantee range)		30" ~ 300"		55" ~ 130"	
Projection Angle		0 - 17.1 (Wide), 0 - 10.7 (Tele)	0 - 15.4 (Wide), 0 - 9.4 (Tele)	34.5	
Projection Distance (From Projection Window)		0.75m - 7.96m (Wide) 1.26m - 12.89m (Tele)	0.78m - 8.15m (Wide) 1.32m - 13.55m (Tele)	0.517m to 1.268m	
Color Reproduction		10-bit signal processing, 1.07 billion colors (Viewer, Network, 16.7million colors)		10-bit signal processing, 1.07 billion colors (Viewer, Network, 16.7million colors)	
Maximum Resolution		4K@30Hz (HDMI), WUXGA (COMPUTER)		4K@30Hz (HDMI), WUXGA (COMPUTER)	
Keystone Correction	Horizontal	YES (+/- 30 degree)		YES (+/- 15 degree)	
	Vertical	YES (+/- 30 degree)		YES (+/- 15 degree)	
4 corners Correction		Yes		Yes	
Video Bandwidth		300MHz (Digital : MAX TMDS Clock), 165MHz (Analog : MAX sampling rate)		300MHz (Digital : MAX TMDS Clock), 165MHz (Analog : MAX sampling rate)	
Color system		-		-	
Horizontal Resolution	Video	NA		NA	
	YCbCr	MAX 1200 line	MAX 800 line	MAX 1200 line	MAX 800 line
Synchronization	Horizontal	15 to 100KHz (RGB: 24kHz or over)		15 to 100KHz (RGB: 24kHz or over)	
	Vertical	24 to 85Hz		24 to 85Hz	
Acoustic Noise	ECO mode OFF	37dB		37dB	
	ECO1 mode	28dB		28dB	
	ECO2 mode	27dB		27dB	
Input Terminals (Visual)	Mini D-Sub 15pin	Yes		Yes	
	5BNC	No		No	
	DVI-D	No		No	
	DVI-I	No		No	
	HDMI ® (Type A 19pin)	x2 (HDMI 1.4b)		x2 (HDMI 1.4b)	
	DisplayPort ® (20pin connector)	No		No	
	RCA (Video)	No		No	
	mini DIN 4pin (S-Video)	No		No	
	RCA×3 (Y/PB/PR)	No		No	
Input Terminals (Audio)	RCA×2	No		No	
	Stereo mini Jack	Yes		Yes	
Input Terminals (Mic)	Stereo mini Jack	No		No	

Model		NP-PE506UL	NP-PE506WL	NP-PE456USL	NP-PE456WSL
Output Terminals	Mini D-Sub 15pin (Monitor)	Yes		Yes	
	Stereo mini Jack (Audio)	Yes		Yes	
	mini DIN 3pin (3D Sync)	No		No	
USB port	Type A	Yes		Yes	
	Mini USB	Yes (for service)		Yes (for service)	
ETHERNET	Wired LAN(RJ-45)	Yes		Yes	
	HDBase-T	No		No	
	Wireless LAN	Support W-LAN dongle by provide USB power		Support W-LAN dongle by provide USB power	
Control Terminals	PC Control(D-Sub 9pin)	1 <PC CONTROL> Communication Speed: 4800, 9600, 19200, 38400 bps		1 <PC CONTROL> Communication Speed: 4800, 9600, 19200, 38400 bps	
	Wired Remote	No		No	
SD Card		No		No	
Option Slot		No		No	
Built-In Speaker		Yes (16W)		Yes (16W)	
Environment	Operational Temp.	0°C to 40°C(working range) Operating: 88%RH (Max.), non-condensing		0°C to 40°C(working range) Operating: 88%RH (Max.), non-condensing	
	Storage Temp.	-10°C to 50°C Storage: 80%RH (Max.), non-condensing		-10°C to 50°C Storage: 80%RH (Max.), non-condensing	
	Operational Altitude	0 to 3000m (9800ft) ([High Altitude to [ON]. 1700m/5500ft or higher)		0 to 3000m (9800ft) ([High Altitude to [ON]. 1700m/5500ft or higher)	
Power Requirement	U version	100 - 240VAC 50/60Hz		100 - 240VAC 50/60Hz	
	G version				
	J version				
	CB/CG version	-		-	200V-240VAC
Input Current	U version	4.5 - 1.5A (MAX)	4.5 - 1.5A (MAX)	4.5 - 1.5A (MAX)	N.A. yet
	G version				
	J version				
	CB/CG version	1.8 A (MAX) (200V-240V)		1.8 A (MAX) (200V-240V)	
Power Consumption	Full Normal mode	352W (100-130V) / 335W (200-240V)	330W (100-130V) / 319W (200-240V)	352W (100-130V) / 335W (200-240V)	330W (100-130V) / 319W (200-240V)
	ECO1 mode	228W (100-130V) / 219W (200-240V)	212W (100-130V) / 203W (200-240V)	228W (100-130V) / 219W (200-240V)	212W (100-130V) / 203W (200-240V)
	ECO2 mode	201W (100-130V) / 194W (200-240V)	187W (100-130V) / 177W (200-240V)	201W (100-130V) / 194W (200-240V)	187W (100-130V) / 177W (200-240V)
	Sleep stand-by (typ.)	7.7W (100-130V) / 7.8W (200-240V)		7.7W (100-130V) / 7.8W (200-240V)	
	Network stand-by (typ.)	0.7W (100-130V) / 0.8W (200-240V)		0.7W (100-130V) / 0.8W (200-240V)	
	Normal stand-by (typ.)	0.2W (100-130V) / 0.3W (200-240V)		0.2W (100-130V) / 0.3W (200-240V)	
	Network stand-by (for Erp)	2.0W or less		2.0W or less	
	Normal stand-by (for Erp)	0.5W or less		0.5W or less	
Calorific value		1201.0BTU (*4) / 1143.1BTU (*5)	1126.0BTU (*4) / 1088.5BTU (*5)	-	-
Cabinet Material		PC	PC	PC	PC
Dimensions(W x D x H) *3		405 x 372.8 x 137 mm	405 x 358 x 137 mm	405 x 164 x 404 mm	
	without protrusions	-	-	-	
Net Weight		7.95 kg (17.53lb)	7.85 kg (17.31lb)	8.1 kg (17.86lb)	
Gross Dimensions	W x D x H	510 x 500 x 260 mm		510 x 500 x 260 mm	
	Weight	10.0kg	9.9kg	N.A. yet	
Export Packing (Pallet Loading)		Pallet 1200 x 1000 mm, 16.2kg, 4Boxes/layer, Air (5 layers, MAX 20 boxes) / Ship (7 layers MAX 24 boxes) Pallet 820 x 1000 mm, 9.6kg, 2Boxes/layer, Air (3 layers, MAX 6 boxes) / Ship (3 layers MAX 6 boxes)		Pallet 1200 x 1000 mm, 16.2kg, 4Boxes/layer, Air (5 layers, MAX 20 boxes) / Ship (7 layers MAX 24 boxes) Pallet 820 x 1000 mm, 9.6kg, 2Boxes/layer, Air (3 layers, MAX 6 boxes) / Ship (3 layers MAX 6 boxes)	
OSS		YES		YES	
Country of Production		China		China	

Notes:

*1: Effective pixels are more than 99.99%.

*2: This is the light output value (lumens) when the [Image mode] is set to [Dyanmic].

*3: Compliance with ISO21118-2012

*4: 100V-130VAC

*5: 200V-240VAC