

Projectors | Displays | Solutions

Product Overview 2017



Projectors



NEC award-winning projector range offers products for all needs, from portable to business use as well as Digital Signage delivering the most exceptional image quality, brightness, resolution, contrast and colour together with a wealth of new revenue generation opportunities.

Mobile Projectors

VE/V Series For classrooms, small meeting rooms, private/professional and mobile

Portable Projectors

MC/ME Series Suited for classrooms and small to medium sized meeting rooms

Short Throw Projectors

M Series Suited for classrooms and small to medium sized meeting rooms

Ultra Short Throw Projectors

UM/U Series For meeting rooms and digital signage applications, as well as for classrooms where space is at a premium

Professional Projectors

P Series Best solution for larger meeting rooms and university lecture halls

Installation Projectors

PA Series Ideal for corporate, higher education and rental

PX Series Rental/staging, large corporate, higher education, conference room, museums

PH Series Best solution for rental/staging, higher education and digital signage, museums

Laser Light Source Projectors

P/PA/PX/PH Series Lamp-free and easier maintenance solid-state light source projectors

Mobile Projectors

VE303X / VE303

VE303X / VE303



V332W / V332X



Model		NP-VE303X	NP-VE303
Method		Reflection by single DMD chip	
Resolution*1		1,024 × 768 (XGA)	800 × 600 (SVGA)
Lens		Manual zoom (×1.1) / Manual focus, F = 2.41 – 2.55, f = 21.8 – 24.0 mm, Throw ratio = 1.95 – 2.15	
Light source (Lamp)	ECO mode	160 W	
	ECO mode off	195 W	
Lamp life*2	ECO mode	6,000 H	
	ECO mode off	4,500 H	
Image size		30 to 300 inches	
Light output *3 *4	ECO mode off	3,000 ANSI lumens	
	ECO mode	Approx. 85% of ECO off	
Quietness (ECO / ECO mode off)		30 dB / 34 dB	
Contrast ratio (white / black)*4		10,000:1 with dynamic contrast on	
Maximum resolution		Up to 1080p (1,920 × 1,080)	
Synchronization range	Horizontal	15 kHz to 100 kHz (RGB: 24 kHz or over)	
	Vertical	50 Hz to 120 Hz (24 Hz: Blu-ray 24P)	
Vertical keystone correction		Manual: ± Max 40 degrees	
Input terminals	Computer	Mini D-sub 15 pin × 1	
	Video	RCA × 1	
	HDMI	HDMI × 1	
	Audio	Stereo mini jack × 1	
Control terminals		D-sub 9 pin × 1	
USB port		Service × 1	
Built-in speaker		2 W monaural	
Usage environment	Operational temperature	5°C to 40°C, up to 80% humidity (no condensation)	
	Storage temperature	–10°C to 50°C, up to 80% humidity (no condensation)	
Power requirements		100 to 240 V AC, 50 Hz / 60 Hz	
Input current		2.5 A to 1.1 A	
Power consumption (100 to 130 V AC / 200 to 240 V AC)	ECO mode off	237 W / 232 W	
	ECO mode	198 W / 192 W	
	Standby (Normal)	0.23 W / 0.33 W	
		324 × 101 × 250 mm	
Dimensions (W × H × D)		324 × 88 × 250 mm (not including protrusions)	
Weight		2.6 kg	
Accessories		Power cord, remote control, batteries, signal cable, CD-ROM (User's manual), quick guide, important information, security sticker	

Remote control

(included accessory)



Options

Replacement lamp

NP40LP



V332W / V332X

Model		NP-V332W	NP-V332X
Projection System		Single DLP® (0.65")	Single DLP® (0.55")
Resolution*1		1,280 × 800 (WXGA)	1,024 × 768 (XGA)
Lens		Manual zoom (×1.1) / Manual focus, F= 2.50 - 2.67, f= 21.8 - 24.0 mm, Throw ratio = 1.55 - 1.70	Manual zoom (×1.1) / Manual focus, F= 2.41 - 2.55, f= 21.8 - 24.0 mm, Throw ratio = 1.95 - 2.15
Light source (Lamp)	ECO mode	170 W	170 W
	ECO mode off	218 W	218 W
Lamp life*2	ECO mode	6,000 H	6,000 H
	ECO mode off	3,500 H	3,500 H
Image size		30 to 300 inches	
Light output *3 **4	ECO mode off	3,300 ANSI lumens	3,300 ANSI lumens
	ECO mode	Approx. 80 % of ECO off	
Contrast ratio (white/black)*4		10,000:1 with lamp control	
Maximum resolution		Up to 1080p (1,920 × 1,080)	
Synchronization range	Horizontal	15 kHz to 100 kHz (RGB: 24 kHz or over)	
	Vertical	50 Hz to 120 Hz (24 Hz: Blu-ray 24P)	
Keystone correction	Horizontal	Manual : ± Max 30 degrees	Manual : ± Max 30 degrees
	Vertical	Manual : ± Max 30 degrees	Manual : ± Max 30 degrees
Input terminals	Computer	Mini D-sub 15 pin × 1	
	Audio	Stereo mini jack × 1	
		RCA × 1	
	HDMI	(L/R) RCA × 1	
HDMI × 2 (HDMI1 supports MHL function)		HDMI × 2 (HDMI1 supports MHL function)	
Output terminals		Mini D-sub 15 pin × 1	
	Audio	Stereo mini jack × 1	
Wired LAN port		RJ-45 (10BASE-T / 100BASE-TX) × 1	
Control terminals		D-sub 9 pin × 1	
USB port		Service × 1	
Built-in speaker		8 W monaural	
Usage environment	Operational temperature	5 °C to 40 °C, up to 80 % humidity (no condensation)	
	Storage temperature	-10 °C to 50 °C, up to 80 % humidity (no condensation)	
Power requirements		100 to 240 V AC, 50 Hz / 60 Hz	
Input current		2.8 A to 1.1 A	2.7 A to 1.1 A
Power consumption (100 to 130 V AC / 200 to 240 V AC)	ECO mode off	277 W / 263 W	275 W / 263 W
	ECO mode	215 W / 204 W	213 W / 204 W
	Standby (Network)	1.0 W / 1.3 W	1.0 W / 1.3 W
	Standby (Normal)	0.22 W / 0.35 W	0.23 W / 0.35 W
Net dimensions (W × H × D)		324 × 88 × 250 mm (not including protrusions)	
Weight		2.8 kg	2.8 kg
Gross dimensions (W × H × D)		510 × 210 × 310 mm	
Gross weight		4.6 kg	4.6 kg
Accessories		Power cord, remote control, batteries, signal cable, CD-ROM (User's manual), quick guide, important information, lens cap, security sticker	

Remote control

(included accessory)



Options

Replacement lamp

NP35LP



*1: Effective pixels are more than 99.99%.

*2: The average time span for the brightness of the lamp to be reduced by half; does not refer to the warranty period for the lamp.

*3: This is the light output value (ANSI lumens) when the [PICTURE MODE] mode is set to [HIGH-BRIGHT]. If any other mode is selected as the [PICTURE MODE] mode, the light output value may drop slightly.

*4: Compliant with ISO21118-2012

Portable Projectors

MC421X / MC371X / MC331W / MC331X / MC301X



Model		MC301X	MC331X	MC331W	MC371X	MC421X
Method		0.63 inch LCD				
Resolution* 1		1,024 × 768 (XGA)	1,024 × 768 (XGA)	1,280 × 800 (WXGA)	1,024 × 768 (XGA)	1,024 × 768 (XGA)
Lens		Manual zoom (x1.2) / Manual focus				
		F=2.1-2.25, f=19.109-22.936mm Throw ratio = 70" @ 2.1m	F=2.1-2.25, f=19.109-22.936mm Throw ratio = 70" @ 2.1m	F=1.6-1.76, f=19.158-23.018mm Throw ratio = 70" @ 2.232m	F=1.6-1.76, f=19.158-23.018mm Throw ratio = 70" @ 2.104m	F=1.6-1.76, f=19.158-23.018mm Throw ratio = 70" @ 2.104m
Light source (lamp)	ECO mode off	225 W				
	ECO mode off	4,000 H				
	Normal ECO	6,000 H				
	ECO mode	10,000 H				
Image size		30 to 300 inches				
Light output* 3 *4	ECO mode off	3,000 ANSI lumens	3,300 ANSI lumens	3,300 ANSI lumens	3,700 ANSI lumens	4,200 ANSI lumens
	ECO mode	Approx. 80% at normal ECO mode				
Quietness (ECO mode off)		39 dB				
Contrast ratio (white / black) *4		15,000:1 with dynamic contrast on				
Maximum resolution		Up to WUXGA (1920 × 1200)				
Synchronization range	Horizontal	15 kHz to 100 kHz (RGB: 24 kHz or over)				
	Vertical	50 Hz to 120 Hz				
Keystone correction		Horizontal: Manual ± Max 20 degrees / Vertical: Auto+Manual ± Max 30 degrees				
Input terminals	Computer	Mini D-sub 15 pin × 2 [Computer1 In , Computer2 In or Computer1 Out (Selectable)]				
	Video	RCA × 1				
	HDMI	HDMI × 2				
	Audio	Stereo mini jack × 1				
Control terminals		D-sub 9 pin × 1				
USB port		Type A for USB memory or Wireless LAN, Type B for PC control				
Built-in speaker		16 W monaural				
Usage environment	Operational temperature	5°C to 40°C, up to 80% humidity (no condensation)				
	Storage temperature	- 10°C to 50°C, up to 80% humidity (no condensation)				
Power requirements		100 to 240 V AC, 50 Hz / 60 Hz				
Input current		1.6 A				
Power consumption (typical)	ECO mode off	299 W@200V				
	ECO mode	205 W@200V				
	Standby (Normal)	0.5 W or less @200V				
Dimensions (W × H × D)		335 x 99 x 250mm (not including protrusions)				
Weight		2.9kg				
Accessories		Power cord, remote control, batteries, signal cable, CD-ROM (User's manual), quick guide, important information, security sticker				

*1: Effective pixels are more than 99.99%.

*2: The average time span for the brightness of the lamp to be reduced by half; does not refer to the warranty period for the lamp.

*3: This is the light output value (ANSI lumens) when the [PICTURE MODE] mode is set to [HIGH-BRIGHT]. If any other mode is selected as the [PICTURE MODE] mode, the light output value may drop slightly.

*4: Compliant with ISO21118-2012

Remote control

(included accessory)



Options

NP41LP

Replacement lamp



Wireless LAN unit

NP05LM*

(*Different type for countries)



Portable Projectors

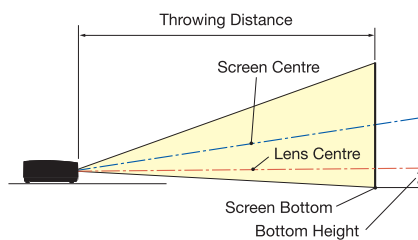
ME401W / ME401X / ME361W / ME361X
ME331W / ME331X / ME301W / ME301X



Model		NP-ME401X	NP-ME361X	NP-ME331X	NP-ME301X	NP-ME401W	NP-ME361W	NP-ME331W	NP-ME301W
Image	Projection Technology	3LCD Technology							
	Native Resolution*1	1,024 × 768 (XGA)				1,280 × 800 (WXGA)			
	Aspect Ratio	4:3				16:9			
	Contrast Ratio	12,000:1 with IRIS				6,000:1 with IRIS			
	Brightness*2 *3	4,000 High Bright / 3,000 Normal / 2,400 Eco ANSI Lumens (Approx.)	3,600 High Bright / 2,700 Normal / 2,160 Eco ANSI Lumens (Approx.)	3,300 High Bright / 2,475 Normal / 1,980 Eco ANSI Lumens (Approx.)	3,000 High Bright / 2,400 Normal / 1,800 Eco ANSI Lumens (Approx.)	4,000 High Bright / 3,000 Normal / 2,400 Eco ANSI Lumens (Approx.)	3,600 High Bright / 2,700 Normal / 2,160 Eco ANSI Lumens (Approx.)	3,300 High Bright / 2,475 Normal / 1,980 Eco ANSI Lumens (Approx.)	3,000 High Bright / 2,400 Normal / 1,800 Eco ANSI Lumens (Approx.)
	Lamp	240 W AC (140 W AC Eco Mode)	235 W AC (140 W AC Eco Mode)		214 W AC (140 W AC Eco Mode)	240 W AC (140 W AC Eco Mode)	235 W AC (140 W AC Eco Mode)		214 W AC (140 W AC Eco Mode)
	Lamp Life*4	9,000 hrs Eco / 5,000 hrs Normal / 4,000 hrs High Bright Mode							
	Lens	F=1.7 – 2.1, f=17.5 – 29 mm							
	Keystone correction	+/- 30° manual horizontal / +/- 30° manual vertical							
	Projection Angle	10.7 to 11.4 deg (Wide)				6.5 to 6.8 deg (Tele)			
	Projection Factor	1.3 – 2.2 : 1 (Throw ratio: 1.3, Zoom ratio: 2.2)							
	Projection Distance	0.6 m – 13.8 m				0.7 m – 14.6 m			
	Screen Size (diagonal)	Maximum: 300 inch; Minimum: 30 inch							
	Zoom	Manual							
	Focus Adjustment	Manual							
Supported Resolutions*5	1,920 × 1,200 (WUXGA); 1,920 × 1,080 (HDTV 1,080p/i); 1,680 × 1,050 (WSXGA+); 1,600 × 1,200 (UXGA); 1,600 × 900 (WXGA+); 1,440 × 900 (WXGA+); 1,400 × 1050 (SXGA+); 1,280 × 1,024 (MAC 23"); 1,280 × 1,024 (SXGA); 1,280 × 800 (WXGA); 1,280 × 768 (XGA); 1,024 × 768 (MAC 19"); 832 × 624 (MAC 16"); 800 × 600 (SVGA); 720 × 576 (SDTV 480p/i); 720 × 480 (WXGA); 1,280 × 720 (HDTV 720p); 1,152 × 870 (MAC 21"); 1,024 × 768(480p); 720 × 480 (SDTV 480i); 640 × 480 (VGA); 640 × 480 (MAC 13")								
	Frequency	Horizontal: 15 – 100 kHz (RGB: 24 kHz – 100 kHz); Vertical: 50 – 120 Hz							
	RGB (analogue)	Input: 1 × Mini D-sub 15-pin, compatible component (YCbCr) / Output: 1 × Mini D-sub 15-pin							
Connectivity	HDMI	Input: 2 × HDMI							
	Video	Input: 1 × RCA							
	Audio	Input: 1 × Stereo Mini Jack / Output: 1 × Stereo Mini Jack							
	Control	Input: 1 × D-sub 9-pin (RS-232C)							
	LAN	1 × RJ45; Optional WLAN							
	USB	1 × Type A (USB 2.0 high speed); 1 × Type B							
	Video Signals	NTSC / NTSC4.43 / PAL / PAL-N / PAL-M / PAL-60 / SECAM							
Remote Control	Aspect Ratio; Audio Control; Auto Adjust; AV Mute; Digital Zoom; Freeze; Help Eco Mode; ID set; Optional Presentation and Mouse Control; Picture Adjust; Picture Mode; Source Select								
Electrical	Power Supply	100 – 240 V AC; 50 – 60 Hz							
	Power Consumption	241 W (Normal) / 201 W (Eco) / 2.3 W (Network Stand-by) / 0.45 W (Stand-by); 316 W (High Bright)	241 W (Normal) / 201 W (Eco) / 2.3 W (Network Stand-by) / 0.45 W (Stand-by); 309 W (High Bright)	241 W (Normal) / 201 W (Eco) / 2.3 W (Network Stand-by) / 0.45 W (Stand-by); 286 W (High Bright)	241 W (Normal) / 201 W (Eco) / 2.3 W (Network Stand-by) / 0.45 W (Stand-by); 316 W (High Bright)	241 W (Normal) / 201 W (Eco) / 2.3 W (Network Stand-by) / 0.45 W (Stand-by); 309 W (High Bright)	241 W (Normal) / 201 W (Eco) / 2.3 W (Network Stand-by) / 0.45 W (Stand-by); 286 W (High Bright)	241 W (Normal) / 201 W (Eco) / 2.3 W (Network Stand-by) / 0.45 W (Stand-by); 286 W (High Bright)	241 W (Normal) / 201 W (Eco) / 2.3 W (Network Stand-by) / 0.45 W (Stand-by); 286 W (High Bright)
Mechanical	Dimensions (W × H × D)	339 mm × 102 mm × 259 mm (not include protrusions)							
	Weight	2.9 kg							
	Quietness	29 dB / 37 dB (Eco / Normal)	29 dB / 36 dB (Eco / Normal)	29 dB / 35 dB (Eco / Normal)	29 dB / 37 dB (Eco / Normal)	29 dB / 36 dB (Eco / Normal)	29 dB / 35 dB (Eco / Normal)	29 dB / 36 dB (Eco / Normal)	29 dB / 35 dB (Eco / Normal)
Environmental Conditions	Operating Temperature	5 °C to 40 °C							
	Operating Humidity	20 % to 80 %							
	Storage Temperature	-10 °C to 50 °C							
	Storage Humidity	20 % to 80 %							
Speaker	Speaker	1 × 20 W (mono)							
Additional Features	Special Characteristics	Auto Eco Mode; Auto Power ON/OFF; Carbon Savings Meter; Colour Management; Content Transmission via Network; Crestron RoomView; DICOM Simulation; Direct Power-Off Function; High Altitude Mode; Kensington security slot; Keypad Lock; Keystone Correction (H=±30°, V=±30°); Lens Cap; Magnify; NaViSet Administrator 2; Off-Timer; Optional User Logo; Optional WLAN; OSD with 30 languages; Password Security System; Quick On/Off; RS-232Control; Security Bar; USB Display; USB Viewer for JPEG; Virtual Remote for direct PC control; Wall Colour Correction							
	Shipping Content	IR Remote Control (RD-469E); Mini D-SUB Signal Cable (1.8 m); Quick Setup Guide; Security Sticker; Users Manual on CD-ROM; Utility software							
Optional Accessories		DisplayNote; Lamp (NP43LP/NP16LP); MultiPresenter Stick; Wireless LAN module NP05LM*6							

*1: Effective pixels are more than 99.99%. *2: This is the light output value (ANSI lumens) when the [PRESET] mode is set to [HIGH-BRIGHT]. If any other mode is selected as the [PRESET] mode, the light output value may drop slightly. *3: Compliance with ISO21118-2012. *4: The average time span for the brightness of the lamp to be reduced by half; does not refer to the warranty period for the lamp. *5: An image with higher or lower resolution than the projector's native resolution will be displayed with Advanced AccuBlend. *6: The last digit may vary depending on the country of destination. These specifications and the product's design are subject to change without notice.

Throw distance and screen size

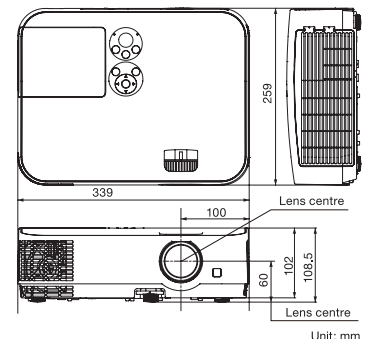


NOTE: The values in the tables are design values and may vary.

ME401X / ME361X / ME331X / ME301X				
Screen Size (inch)	Throwing Distance (m)		Bottom Height (cm)	
	Wide	Tele	Wide	Tele
30"	0.79	1.34	7.1	
40"	1.07	1.80	9.5	
60"	1.62	2.72	14.3	
80"	2.18	3.64	19.1	
100"	2.73	4.56	23.8	
120"	3.29	5.49	28.6	
150"	4.12	6.87	35.7	
180"	4.96	8.25	42.9	
200"	5.51	9.17	47.6	
240"	6.62	11.02	57.2	
300"	8.29	13.78	71.4	

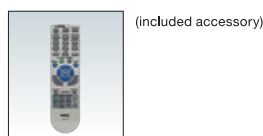
ME401W / ME361W / ME331W / ME301W				
Screen Size (inch)	Throwing Distance (m)		Bottom Height (cm)	
	Wide	Tele	Wide	Tele
25"	0.69	1.17	2.9	
30"	0.83	1.42	3.5	
40"	1.13	1.90	4.7	
60"	1.71	2.88	7.1	
80"	2.30	3.85	9.4	
100"	2.88	4.82	11.8	
120"	3.47	5.80	14.1	
150"	4.35	7.26	17.7	
180"	5.23	8.72	21.2	
200"	5.81	9.96	23.6	
240"	6.99	11.64	28.3	
300"	8.74	14.56	35.3	

Cabinet dimensions



Unit: mm

Remote control



(included accessory)

Options



Replacement lamp NP43LP
* NP16LP is also usable.



Wireless LAN module NP05LM2,4,5*
* The last digit may vary depending on the country of destination.

Short-Throw Projectors

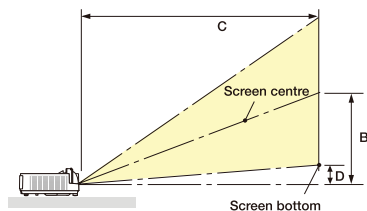
M353WS / M303WS / M333XS



Model	NP-M353WS		NP-M303WS		NP-M333XS	
Projection System	Single DLP® (0.65")				Single DLP® (0.55")	
Resolution* ¹	1,280 × 800 (WXGA)				1,024 × 768 (XGA)	
Lens	Manual focus (Digital zoom, zoom ratio = 1.2)					
	F-number / Focal Length	F2.4 / f=6.5 mm				
Lamp	ECO Mode Off	270 W	225 W		270 W	
	NORMAL ECO	219 W	171 W		219 W	
	ECO	162 W	135 W		162 W	
Light Output* ²	ECO Mode Off	3,500 lumens	3,000 lumens		3,300 lumens	
	NORMAL ECO	Approx. 81%	Approx. 76%		Approx. 81%	
	ECO	Approx. 60%				
Lamp Life* ³	ECO Mode Off		3,500 H			
	NORMAL ECO	5,000 H	5,500 H		5,000 H	
	ECO		8,000 H			
Contrast Ratio* ² (Full White: Full Black)	10,000:1 with lamp power control					
Image Size (Diagonal)	30 to 150 inches (16:10)				30 to 150 inches (4:3)	
Inputs	1 × RGB/Component (D-Sub 15Pin), 2 × HDMI Type A (19Pin, HDMI® Connector) HDCP supported** ⁴ , 1 × Video (RCA), 1 × (L/R) RCA Audio, 1 × Stereo Mini Audio					
Outputs	1 × RGB (D-Sub 15Pin), 1 × Stereo Mini Audio, 1 × 3D Sync (Mini DIN 3Pin)					
PC Control	1 × PC Control Port (D-Sub 9Pin)					
Wired LAN Port	1 × RJ-45 (10BASE-T/100BASE-TX)					
Wireless LAN Port (Optional)	IEEE 802.11 b/g/n (optional USB wireless LAN unit required)					
USB Port	1 × Type A, 1 × Type B					
Mic Input	1 × Monaural Mini Audio					
Colour Reproduction	10-bit signal processing (1.07 billion colours) (USB-A, LAN: 16.7 million colours)					
Compatible Signals* ⁵	Analogue: VGA / SVGA / XGA / WXGA / Quad-VGA / SXGA / SXGA+ / WXGA+ / WXGA++ / UXGA / WSXGA+ / HD / Full HD / WUXGA / Mac 13" / Mac 16" / Mac 19" / Mac 21" / Mac 23" Component: 480i / 480p / 720p / 1080i (60 Hz), 576i / 576p / 1080i (50 Hz), DVD Progressive (50/60 Hz) Digital: VGA / SVGA / XGA / WXGA / Quad-VGA / SXGA / SXGA+ / WXGA+ / WXGA++ / WSXGA+ / HDTV (1080p) / HDTV (1080i) / HDTV (720p) / HDTV (480p) 3D: For PC XGA / 1,280 × 720 / WXGA, for Video SDTV (480i), for HDMI 1.4a 720p (Frame Packing) / 1080p (Frame Packing) / 1080i (Side by Side (Half)) / 720p (Top and Bottom) / 1080p (Top and Bottom)					
Scan Rate	Horizontal: 15 kHz to 100 kHz (RGB: 24 kHz or over) Vertical: 50 Hz to 120 Hz (HDMI: 50 Hz to 85 Hz)					
Keystone Correction	Vertical	Manual/Automatic Approx. + /-30 degrees				
Built-in Speaker	20 W (monaural)					
Quietness	ECO Mode Off	36 dB	33 dB		36 dB	
	NORMAL ECO	30 dB	27 dB		30 dB	
	ECO	30 dB	27 dB		30 dB	
Power Requirement	100 to 240 V AC, 50 / 60 Hz					
Input Current	3.9 A to 1.6 A		3.3 A to 1.4 A		3.9 A to 1.6 A	
Power	ECO Mode Off	320 W	269 W		320 W	
Consumption	NORMAL ECO	264 W	208 W		264 W	
200-240 V	ECO	210 W	179 W		210 W	
(Typical)	STANDBY (NETWORK)		2.9 W			
	STANDBY (NORMAL)		0.32 W			
Installation Orientation	Desktop / Front, Desktop / Rear, Ceiling / Front, Ceiling / Rear					
Dimensions (W) × (H) × (D)	368 mm × 134 mm × 291 mm, 368 mm × 98 mm × 286 mm (not including protrusions)					
Weight	3.7 kg		3.6 kg		3.7 kg	
Environmental Considerations	Operational temperatures: 5°C to 40°C (ECO mode selected automatically at 35°C to 40°C), 20% to 80% humidity (no condensation) Storage temperatures: (-10°C to 50°C), 20% to 80% humidity (no condensation)					

*1: Effective pixels are more than 99.99%. *2: Compliant with ISO 21118-2012. *3: The average time span for the brightness of the lamp to be reduced by half; does not refer to the warranty period for the lamp. *4: HDMI® (Deep Colour, Lip Sync, 3D) with HDCP. *5: An image with higher or lower resolution than the projector's native resolution will be displayed with Advanced AccuBlend.

Throw distance and screen size



NOTE: The values in the tables are design values and may vary.

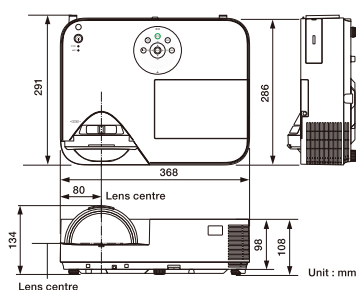
M333XS

Screen size						B		C		D	
Diagonal		Width		Height				Wide			
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
60	1524	48	1,219	36	914	24	617	27	675	6	160
80	2,032	64	1,626	48	1,219	32	823	36	915	8	214
100	2,540	80	2,032	60	1,524	41	1,029	46	1,156	11	267
120	3,048	96	2,438	72	1,829	49	1,235	55	1,396	13	320
150	3,810	120	3,048	90	2,286	61	1,543	69	1,757	16	400

M353WS / M303WS

Screen size						B		C		D	
Diagonal		Width		Height				Wide			
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
60	1524	51	1,292	32	808	21	524	22	565	5	120
80	2,032	68	1,723	42	1,077	27	698	30	769	6	160
100	2,540	85	2,154	53	1,346	34	873	38	973	8	199
120	3,048	102	2,585	64	1,615	41	1,047	46	1,177	9	239
150	3,810	127	3,231	79	2,019	52	1,309	58	1,482	12	299

Cabinet dimensions



Remote control

(included accessory)



Options



Replacement lamp
NP28LP (M303WS)
NP30LP (M333XS/M353WS)



Wall mount kit
NP05WK



Ceiling mount kit
NP16CM

Wireless LAN unit
NP05LM1-5*
*The last digit may vary depending on the country of destination.



Cable cover
NP05CV



Interactive white board kit
NP03Wi

Ultra Short-Throw Projectors

UM351W / UM301W / UM361X / UM301X



Model		NP-UM351W	NP-UM301W	NP-UM361X	NP-UM301X
Projector type		3 LCD type			
LCD Panel		0.59 inch LCD with MLA		0.63 inch LCD with MLA	
Resolution*1		1280 × 800 pixels		1024 × 768 pixels	
Lens		Manual Focus F= 1.80, f= 4.78 mm			
Light source (Lamp)	ECO mode	160 W	140 W	160 W	140 W
	Normal ECO mode	200 W	170 W	200 W	170 W
	ECO mode off	255 W	235 W	255 W	235 W
Lamp life*2	ECO mode	6,000 H	8,000 H	6,000 H	8,000 H
	Normal ECO mode	5,000 H	5,000 H	5,000 H	5,000 H
	ECO mode off	3,800 H	4,000 H	3,800 H	4,000 H
Filter life		Same as lamp life			
Image size		58 to 110 inches		61.5 to 116.6 inches	
Light output*3 *4	ECO mode off	3,500 ANSI lumens	3,000 ANSI lumens	3,600 ANSI lumens	3,000 ANSI lumens
	Normal ECO mode	Approx. 80% of ECO off	Approx. 75% of ECO off	Approx. 80% of ECO off	Approx. 75% of ECO off
	ECO mode	Approx. 60% of ECO off			
Contrast ratio (white / black)*4		4,000:1 with Iris		6,000:1 with Iris	
Maximum resolution		Up to WUXGA (1920 × 1200) with Advanced AccuBlend			
Scan rate	Horizontal	15 kHz to 100 kHz (RGB: 24 kHz or over)			
	Vertical	50 Hz to 120 Hz			
Keystone correction	Horizontal	Manual : ± Max 10 degrees			
	Vertical	Manual : ± Max 10 degrees			
Input terminals	Computer	Mini D-sub 15 pin × 1			
	Audio	Stereo mini jack × 1			
	Video	RCA × 1			
	Audio	(L/R) RCA × 1			
	HDMI	HDMI × 2			
	Mic	Mini jack × 1			
Output terminals		Mini D-sub 15 pin × 1			
	Audio	Stereo mini jack × 1			
Wired LAN port		RJ- 45 (10BASE-T / 100BASE-TX) × 1			
Wireless LAN port		Yes (USB type A)			
Control terminals		D-sub 9 pin × 1			
USB port (for USB display)		Type A × 1, (type B × 1)			
Built-in speaker		20 W monaural			
Usage environment	Operational temperature	5°C to 40°C, 20% to 80% humidity (no condensation) ([ECO MODE] is set automatically to [ON] at 35°C to 40°C)			
	Storage temperature	-10°C to 50°C, 20% to 80% humidity (no condensation)			
Power requirement		100 to 240 V AC, 50 Hz / 60 Hz			
Input current		3.8 A to 1.6 A	3.5 A to 1.5 A	3.8 A to 1.6 A	3.5 A to 1.5 A
Power consumption (100 to 130 V AC / 200 to 240 V AC)	ECO mode off	337 W / 324 W	297 W / 285 W	337 W / 324 W	297 W / 285 W
	Normal ECO mode	265 W / 257 W	234 W / 227 W	265 W / 257 W	234 W / 227 W
	ECO mode	221 W / 214 W	196 W / 190 W	221 W / 214 W	196 W / 190 W
	Standby (Network)	2.1 W / 2.4 W			
	Standby (Normal)	0.2 W / 0.4 W			
Net dimensions (W × H × D)		378 × 160 × 428 mm 378 × 112 × 428 mm (not including protrusions)			
Weight		5.6 kg	5.5 kg	5.6 kg	5.5 kg
Gross dimensions (W × H × D)		591 × 259 × 491 mm			
Gross weight		8.6 kg	8.5 kg	8.6 kg	8.5 kg
Accessories		Power cord, remote control, batteries, cable cover, signal cable, CD-ROM (User's manual / Utility software), Quick setup guide, Important information, security sticker			

*1 : Effective pixels are more than 99.99%.

*2 : The average time span for the brightness of the lamp to be reduced by half; does not refer to the warranty period for the lamp.

*3 : This is the light output value (ANSI lumens) when the [PRESET] mode is set to [HIGH-BRIGHT]. If any other mode is selected as the [PRESET] mode, the light output value may drop slightly.

*4 : Compliant with ISO21118-2005

Options

Replacement lamp

NP33LP (for UM351W / UM361X)

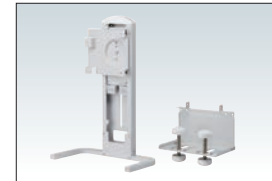
NP32LP (for UM301W / UM301X)



Wall mount kit **NP04WK**



Table projection unit **NP01TK**



Interactive unit **NP03Wi**



Stylus pen **NP02Pi**

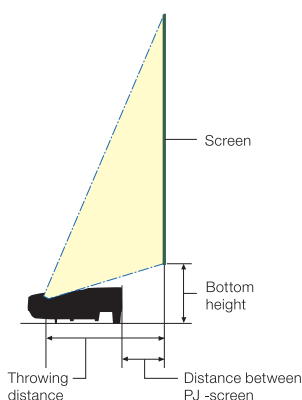


Wireless LAN module **NP05LM1-5***



*Authentication countries depends on the last digit

Throw distance and screen size



UM351W / UM301W (Aspect ratio 16:10)

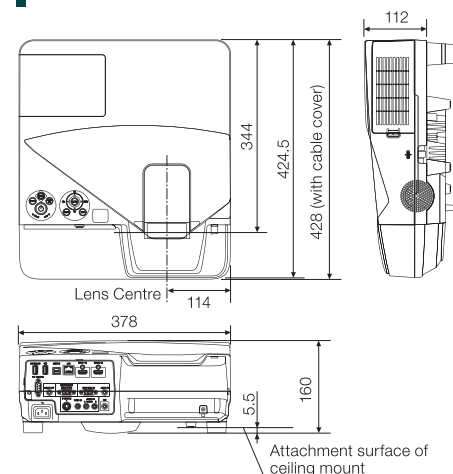
Screen size (H x V m)	Throwing distance (cm)	Bottom height (cm)	Distance bet. PJ - screen (cm)
58" (1.25 x 0.78)	44.8	23.9	10.5
60" (1.29 x 0.81)	46.4	24.4	12.0
70" (1.51 x 0.94)	54.2	26.7	19.8
80" (1.72 x 1.08)	62.0	29.1	27.6
90" (1.94 x 1.21)	69.8	31.5	35.4
100" (2.15 x 1.35)	77.6	33.9	43.2
110" (2.37 x 1.48)	85.4	36.3	51.0

UM361X / UM301X (Aspect ratio 4:3)

Screen size (H x V m)	Throwing distance (cm)	Bottom height (cm)	Distance bet. PJ - screen (cm)
61.5" (1.25 x 0.94)	44.8	23.8	10.5
70" (1.42 x 1.07)	51.1	25.7	16.8
80" (1.63 x 1.22)	58.5	28.0	24.1
90" (1.83 x 1.37)	65.8	30.2	31.5
100" (2.03 x 1.52)	73.2	32.5	38.8
110" (2.24 x 1.68)	80.5	34.7	46.2
116.6" (2.37 x 1.78)	85.4	36.2	51.0

The values in the tables are design values and may vary.

Cabinet Dimensions



Unit: mm

Ultra Short-Throw Projectors

UM352W



Model		NP-UM352W
Projector type		3 LCD type
LCD Panel		0.59 inch LCD with MLA
Resolution*1		1,280 × 800 pixels
Lens		Manual Focus F= 1.80, f= 4.78 mm
Light source (Lamp)	ECO mode	160 W
	Normal ECO mode	200 W
	ECO mode off	255 W
Lamp life*2	ECO mode	6,000 H
	Normal ECO mode	5,000 H
	ECO mode off	3,800 H
Filter life		Same as lamp life
Image size		58 to 110 inches
Light output*3 *4	ECO mode off	3,500 ANSI lumens
	Normal ECO mode	Approx. 80 % of ECO mode off
	ECO mode	Approx. 60 % of ECO mode off
Contrast ratio (white / black)*4		4,000:1 with Iris
Maximum resolution		Up to WUXGA (1,920 × 1,200) with Advanced AccuBlend
Scan rate	Horizontal	15 kHz to 100 kHz (RGB: 24 kHz or over)
	Vertical	50 Hz to 120 Hz
Keystone correction	Horizontal	Manual: ± Max 10 degrees
	Vertical	Manual: ± Max 10 degrees
Input terminals	Computer	Mini D-sub 15 pin × 1
	Audio	Stereo mini jack × 1
	Video	RCA × 1
	Audio	(L / R) RCA × 1
	HDMI	HDMI × 2
	MHL	MHL × 1 (shared with HDMI 1)
Output terminals		Mini jack × 1
	Audio	Mini D-sub 15 pin × 1 Stereo mini jack × 1
Wired LAN port		RJ- 45 (10BASE-T / 100BASE-TX) × 1
Wireless LAN port		USB type A × 1
Control terminals		D-sub 9 pin × 1
USB port (for USB display and USB viewer)		Type A × 1, Type B × 1
Built-in speaker		20 W monaural
Usage environment	Operational temperature	5°C to 40°C, 20 % to 80 % humidity (no condensation) ([ECO MODE] is set automatically to [ON] at 35°C to 40°C)
	Storage temperature	-10 °C to 50 °C, 20 % to 80 % humidity (no condensation)
Power requirement		100 to 240 V AC, 50 Hz / 60 Hz
Input current		3.9 A to 1.7 A
Power consumption (100 to 130 V AC / 200 to 240 V AC)	ECO mode off	339 W / 326 W
	Normal ECO mode	269 W / 261 W
	ECO mode	222 W / 216 W
	Standby (Network)	2.3 W / 2.6 W
	Standby (Normal)	0.2 W / 0.4 W
Calorific value (100 to 130 V / 200 to 240 V)		1157 BTU / 1113 BTU
Net dimensions (W × H × D)		378 × 160 × 428 mm 378 × 112 × 428 mm (not including protrusions)
Weight		5.8 kg
Gross dimensions (W × H × D)		591 × 259 × 491 mm
Gross weight		8.8 kg
Accessories		Power cord, remote control, batteries, cable cover, signal cable, USB cable (5 m), USB cable (for charging a stylus pen), Stylus pen × 2, CD-ROM (User's manual / Utility software), Quick setup guide, Important information, security sticker

*1 : Effective pixels are more than 99.99%.

*2 : The average time span for the brightness of the lamp to be reduced by half; does not refer to the warranty period for the lamp.

*3 : This is the light output value (ANSI lumens) when the [PRESET] mode is set to [HIGH-BRIGHT]. If any other mode is selected as the [PRESET] mode, the light output value may drop slightly.

*4 : Compliant with ISO21118-2012

Options

Replacement lamp



NP33LP

Wall mount kit



NP04WK

Table projection unit



NP01TK

Touch module



NP01TM

Stylus pen



NP02Pi

Wireless LAN module



NP05LM1-5*

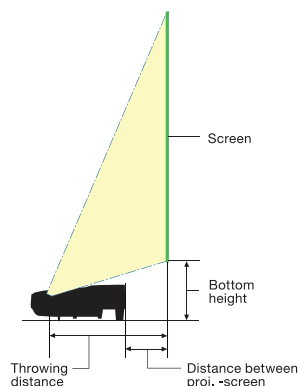
*Authentication countries depends on the last digit

Throw Distance and Screen Size

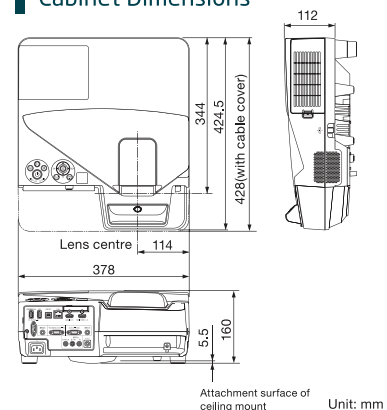
UM352W (Aspect ratio 16:10)

Screen size (H × V m)	Throwing distance (cm)	Bottom height (cm)	Distance bet. proj. - screen (cm)
58" (1.25 × 0.78)	44.8	23.9	10.5
60" (1.29 × 0.81)	46.4	24.4	12.0
70" (1.51 × 0.94)	54.2	26.7	19.8
80" (1.72 × 1.08)	62.0	29.1	27.6
90" (1.94 × 1.21)	69.8	31.5	35.4
100" (2.15 × 1.35)	77.6	33.9	43.2
110" (2.37 × 1.48)	85.4	36.3	51.0

The values in the tables are design values and may vary.



Cabinet Dimensions

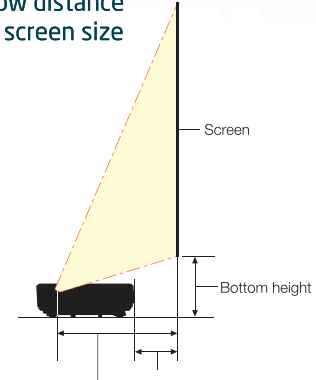


Ultra Short-Throw Projectors

U321H



Throw distance and screen size



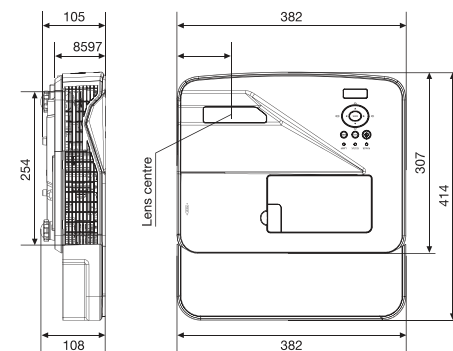
Throwing distance Distance between PJ -screen

U321H (Aspect ratio 16:9)

Screen size (H x V m)	Throwing distance(cm)	Bottom height(cm)	Distance bet. PJ-screen (cm)
85" (1.82 x 1.06)	47.4	26.2	22.2
90" (2.00 x 1.12)	50.2	27.3	25.0
95" (2.10 x 1.18)	53.0	28.5	27.8
100" (2.21 x 1.25)	55.8	29.6	30.6

The values in the tables are design values and may vary.

Cabinet dimensions



Unit: mm

Model		NP-U321H
Projection System		Single DLP® (0.65")
Resolution*1		1,920 x 1,080 (Full HD)
Lens		Manual Focus F= 2.4, f= 3.72 mm
Light source (Lamp)	Normal ECO mode	220 W
	ECO mode off	260 W
Lamp life*2	Normal ECO mode	4,000 H
	ECO mode off	3,000 H
Filter life		4,000 H
Image size		85 to 100 inches
Light output*3 *4	ECO mode off	3,200 ANSI lumens
	Normal ECO mode	Approx. 80 % of ECO off
	ECO mode	Approx. 60 % of ECO off
Contrast ratio (white/black)*4		10,000 : 1 with lamp control
Maximum resolution		Up to 1080p (1,920 x 1,080)
Synchronization range	Horizontal	15 kHz to 100 kHz (RGB: 24 kHz or over)
	Vertical	50 Hz to 120 Hz (24Hz: Blu-ray 24P)
Keystone correction	Vertical	Manual : ± Max 5 degrees
Input terminals	Computer	Mini D-sub 15 pin x 1
	Audio	Stereo mini jack x 1
	Video	RCA x 1
	Audio	(L/R) RCA x 1
HDMI		HDMI x 2 (HDMI1 supports MHL function)
Output terminals		Mini D-sub 15 pin x 1
Audio		Stereo mini jack x 1
Wired LAN port		RJ- 45 (10BASE-T / 100BASE-TX) x 1
Control terminals		D-sub 9 pin x 1
USB port		Power supply only / +5V 1A x 1
Service x 1		
Built-in speaker		8 W monaural
Usage environment	Operational temperature	10°C to 35 °C, up to 80 % humidity (no condensation)
	Storage temperature	-20 °C to 60 °C, up to 90 % humidity (no condensation)
Power requirement		100 to 240 V AC, 50 Hz / 60 Hz
Input current		3.5 A to 1.5 A
Power consumption (100 to 130 V AC / 200 to 240 V AC)	ECO mode off	323 W / 312 W
	ECO mode	272 W / 264 W
	Standby (Network)	2.0 W / 2.2 W
	Standby (Normal)	0.18 W / 0.30 W
Net dimensions (W x H x D)		382 x 85 x 307 mm (not including protrusions)
Weight		4.7 kg
Gross dimensions (W x H x D)		515 x 230 x 491 mm
Gross weight		8.6 kg
Accessories		Power cord, remote control, batteries, cable cover, signal cable, CD-ROM (User's manual / Utility software), quick guide, important information, security sticker, attachment plate

*1: Effective pixels are more than 99.99%.

*2: The average time span for the brightness of the lamp to be reduced by half; does not refer to the warranty period for the lamp.

*3: This is the light output value (ANSI lumens) when the [PICTURE] mode is set to [HIGH-BRIGHT].

If any other mode is selected as the [PICTURE] mode, the light output value may drop slightly.

*4: Compliant with ISO21118-2005

Accessory

Included accessories



Remote control



Cable cover



Filters pre-installed

Options



Replacement lamp
NP34LP



Wall mount kit
NP04WK



Interactive white board kit
NP04Wi



Touch module
NP01TM



Stylus pen
NP02Pi

Semi-Installation Projectors

NP-P501X / NP-P451X / NP-P451W / NP-P401W



Model	NP-P501X		NP-P451X		NP-P451W	NP-P401W
LCD Panel	3LCD Type					
Resolution*1	1024 x 768 pixels			1280 x 800 pixels		
Lens	Manual Focus / F=1.7 to 2.2, f=17.4 to 29.0 mm					Throw ratio 1.3 to 2.2
Lamp*2 (Eco Mode On / Eco Mode Off)	163 W / 270 W		163 W / 240 W		163 W / 270 W	163 W / 240 W
Lens shift	0 ~ +0.5V		0 ~ +0.5V		0 ~ +0.6V	0 ~ +0.6V
Lamp Life*2 (Eco Mode On / Eco Mode Off)	6000 H / 3500 H		6000 H / 4000 H		6000 H / 3500 H	6000 H / 4000 H
Image Size	25 to 300 inches					
Colour reproduction	10 bit signal processing, 1.07 billion colours (viewer, Network, 16.7 million colours)					
Light Output*3*4	Eco Mode Off	5000 ANSI lumens	4500 ANSI lumens		4500 ANSI lumens	4000 ANSI lumens
	Eco Mode On	Approx.60%	Approx.67%		Approx.60%	Approx.67%
Contrast Ratio (white / black)*4	4000 : 1 with iris					
Maximum Resolution	WUXGA (1920 x 1200) with Advanced AccuBlend					
Scan Rate	Horizontal: 15 to 100 KHz (RGB: 24 kHz or over), Vertical: 50 to 120 Hz					
Keystone Correction	Horizontal/ Vertical : Approx. ±30 degree					
Input Terminals	Computer		1 x Mini D-Sub 15 pin			
		Audio	1 x Stereo mini Jack			
	Video		1 x RCA			
		Audio	2 x RCA			
	S-Video		1 x Mini Din 4 pin			
		Audio	2 x RCA (shared with Video)			
	HDMI		2 x HDMI			
		Audio	HDMI or Stereo Mini Jack (Computer Audio IN)			
Output Terminals	Audio		1 x Mini Jack			
			1 x Mini D-Sub 15 pin			
			1 x Stereo Mini Jack			
Wired LAN port		1 x RJ-45 (10BASE-T / 100BASE-TX)				
Wireless LAN port		Yes				
Control Terminals		1 x D-sub 9 pin				
USB Port (for USB Display)		1 x Type A, 1 x Type B				
Built-in speaker		16 W monaural				
Environment	Operation Temperature	5°C-40°C ([ECO MODE] is set automatically to [ON] at 35°C to 40°C), 20% to 80% Humidity (Non-Condensing)				
	Storage Temperature	-10°C-50°C, 20 %-80 % Humidity (Non-Condensing)				
Power requirement		100 to 240 V AC, 50 Hz / 60 Hz				
Input Current (100 - 130 V / 200 - 240 V)		4.2 A to 1.7 A	3.9 A to 1.6 A		4.2 A to 1.7 A	3.9 A to 1.6 A
Power Consumption (100 - 130 V / 200 - 240 V)	Eco Mode Off	374 W / 357 W	341 W / 325 W		374 W / 357 W	341 W / 325 W
	Eco Mode On		260 W / 248 W			
	Standby Mode (power saving)		0.21 W / 0.43 W			
Calorific Value (100 - 130 V / 200 - 240 V)		1276 BTU / 1218 BTU	1164 BTU / 1109 BTU		1276 BTU / 1218 BTU	1164 BTU / 1109 BTU
Net Dimensions (W x H x D)		398 x 115 x 282 mm				
Weight		4.1 kg				
Packing Dimensions (W x H x D)		478 x 390 x 233 mm				
Packing Weight		5.5 kg				
Accessories		Power cord, Remote contr9l, Batteries, Signal cable, CD/ROM user's manual,Utilities software), Security sticker				
Regulations	For Asia / Oceania	IEC60950-1, Meets AS/NZS CISPR.22 Class B				

*1 : Effective pixels are more than 99.99%.

*2 : Lamp life is defined as the average time span for the brightness of the lamp to be reduced by half, it does not refer to the warranty period for the lamp.

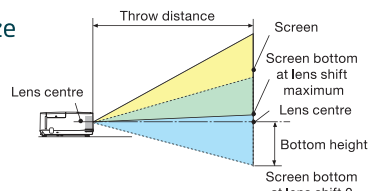
*3 : This is the light output value (ANSI lumens) when the [PRESET] mode is set to [HIGH-BRIGHT]. If any other mode is selected as the [PRESET] mode, the light output value may drop slightly.

*4 : Compliance with ISO21118-2005

All specifications are subject to change without notice.

Throw distance and screen size

(Image is WXGA)



P501X/P451X/PE501X (Aspect ratio 4:3)

Screen size (m)	Throw distance (m)	Bottom height (cm)		
		Wide	Tele	At Lens Shift 0
30 (0.61x 0.46)	0.78	1.33	-22.9	0
40 (0.81x 0.61)	1.06	1.79	-30.5	0
60 (1.22x 0.91)	1.62	2.71	-45.7	0
80 (1.63x 1.22)	2.17	3.64	-61.0	0
100 (2.03x 1.52)	2.73	4.56	-76.2	0
120 (2.44x 1.83)	3.29	5.49	-91.4	0
150 (3.05x 2.29)	4.12	6.87	-114.3	0
200 (4.06x 3.05)	5.51	9.18	-152.4	0
240 (4.88 x 3.66)	6.62	11.03	-182.9	0
300 (6.10 x 4.57)	8.29	13.79	-228.6	0

The values in the tables are design values and may vary.

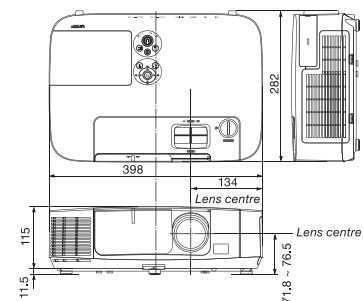
P451W/401W (Aspect ratio 16:10)

Screen size (m)	Throw distance (m)		Bottom height (cm)	
	Wide	Tele	At Lens Shift 0	At Lens Shift Maximum
30 (0.65x 0.40)	0.83	1.41	-20.2	4.0
40 (0.86x 0.54)	1.12	1.89	-26.9	5.4
60 (1.29x 0.81)	1.71	2.83	-40.4	8.1
80 (1.72x 1.08)	2.29	3.85	-53.8	10.8
100 (2.15x 1.35)	2.89	4.82	-67.3	13.5
120 (2.59x 1.62)	3.47	5.87	-80.8	16.2
150 (3.23x 2.02)	4.35	7.26	-101.0	20.2
200 (4.31x 2.69)	5.82	9.69	-134.6	26.9
240 (5.17 x 3.23)	6.99	11.65	-161.5	32.3
300 (6.46 x 4.04)	8.76	14.58	-201.9	40.4

The values in the tables are design values and may vary.

Cabinet dimensions

(unit: mm)



Options

Replacement lamp

NP23LP

Cable cover

NP03CV

Wireless LAN unit*

NP02LM1

NP02LM2

NP02LM3

* Please make sure to choose the appropriate wireless LAN unit according to the below list in use country or area.

NP02LM1	United States, Canada, Mexico, Taiwan, Brazil, Colombia
NP02LM2	Europe, United Arab Emirates, Saudi Arabia, Oman, South Africa, Turkey, Ukraine, Egypt, Israel, Australia, New Zealand, Japan, Thailand, China, Hong Kong, Singapore, South Korea, Sri Lanka, Pakistan, Vietnam, India, Indonesia, Philippines, Peru, Chile, Argentina, Ecuador
NP02LM3	Russia

* In case of used in Malaysia, NP02LM2 has been certified but SIRIM certification sticker should be attached on LAN unit. Please contact your partner in Malaysia before it use.

Semi-Installation Projectors

P502H / P502W / P452H / P452W



Model	NP-P502H		NP-P502W		NP-P452H		NP-P452W		
Method	Reflection by single DMD chip								
Specifications of main parts									
Main panel	Size	0.65" (aspect ratio: 16:9)		0.65" (aspect ratio: 16:10)		0.65" (aspect ratio: 16:9)		0.65" (aspect ratio: 16:10)	
	Pixels*1	2,073,600 (1,920 dots × 1,080 lines)		1,024,000 (1,280 dots × 800 lines)		2,073,600 (1,920 dots × 1,080 lines)		1,024,000 (1,280 dots × 800 lines)	
Projection lens	Focus	Manual							
	Zoom	Manual (zoom ratio 1.7)							
	Throw ratio	1.24		1.3		1.24		1.3	
	F-number	Wide: F= 2.0 / Tele: F= 2.5							
	Focal length	Wide: f= 18.2 mm / Tele: f= 31.1 mm							
Optical unit	Lens shifting	Manual(H:±25%, V:±62%, -0%)		Manual(H:±28%, V:±59%, -0%)		Manual(H:±25%, V:±62%, -0%)		Manual(H:±28%, V:±59%, -0%)	
		C/W type (DLP), colour separation by colour wheel; time-multiplexing colour wheel method with white segment							
Light output *2*3*4	ECO mode off	5,000 lm			4,500 lm				
	Normal ECO mode				Approx. 80%				
	ECO mode				Approx. 60%				
Light source (lamp) life	ECO mode off				3,000 H				
	Normal ECO mode				4,000 H				
	ECO mode				5,000 H				
Contrast ratio (all white/ all black)		6,000:1 with lamp control							
Screen size		30 to 300 inches							
Colour reproducibility		10-bit signal processing (approx. 1.07 billion colours)							
Quietness (ECO/ Normal ECO/ ECO mode off)		31 dB / 36 dB / 39 dB							
Synchronization rate	Horizontal	15 to 100 kHz (24 kHz or greater for RGB inputs)							
	Vertical	50 to 120 Hz							
Max. display resolution (horizontal x vertical)		Analogue: 1,920 × 1,200 (with Advanced AccuBlend) / Digital: 1,920 × 1,080 (P502W / P452W with Advanced AccuBlend)							
Keystone correction	Horizontal	Manual (approx. ±25 degrees)							
	Vertical	Manual (approx. ±30 degrees)							
Input/output terminals									
Computer input	Mini D-Sub 15-pin × 1								
	Audio input	Stereo mini jack × 1							
HDMI® input		Type A 19-pin HDMI® connector (HDCP, audio) × 2							
Ethernet / HDBaseT™		RJ45 (Ethernet 100Base-TX / HDBaseT, audio) × 1							
Video input	RCA × 1								
	Audio input	RCA × 2 (L/R)							
Computer output		Mini D-Sub 15-pin × 1							
Audio output		Stereo mini jack × 1							
PC control		D-Sub 9-pin × 1							
USB port		Type A for USB memory × 1, Type B for service × 1							
LAN port		RJ-45 (10/100Base-TX) × 1, W-LAN (USB type A) × 1 for wireless LAN unit							
3D SYNC		Synchronized signal output for 3D use × 1							
Remote		Stereo mini jack × 1 for wired remote control							
Built-in speaker		20 W monaural × 1							
Usage environment		Operating temperature: 5 to 40°C*, operating humidity: 20 to 80% (with no condensation) Storage temperature: -10 to 50°C, storage humidity: 20 to 80% (with no condensation) Operating altitude: 0 to 2,600 m (1700 to 2,600 m: set [FAN MODE] to [HIGH ALTITUDE])							
Power supply		100–240 V AC, 50/60 Hz							
Power consumption	ECO mode off	465 W (100–130 V) / 445 W (200–240 V)			426 W (100–130 V) / 416 W (200–240 V)				
	Normal ECO mode	379 W (100–130 V) / 366 W (200–240 V)			346 W (100–130 V) / 340 W (200–240 V)				
	ECO mode	311 W (100–130 V) / 305 W (200–240 V)			288 W (100–130 V) / 286 W (200–240 V)				
	STANDBY (NORMAL)	Less than 0.33 W							
	STANDBY (NETWORK)	Less than 2.7 W							
Rated input current		5.4–2.2 A			4.9–20 A				
Dimensions (W × H × D)		362 × 129 × 302 mm (net dimensions, not including protruding parts)							
Weight		5.2 kg (net weight)							

*1: Effective pixels are more than 99.99%.

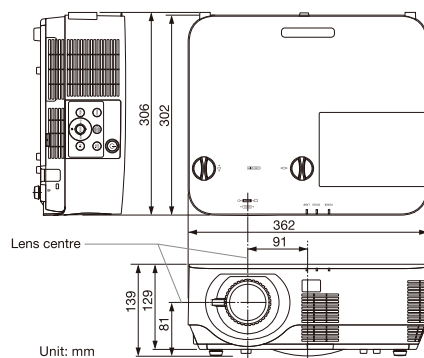
*2: Light output value when the [PRESET] mode is set to [HIGH-BRIGHT].

*3: Compliant with ISO21118-2012.

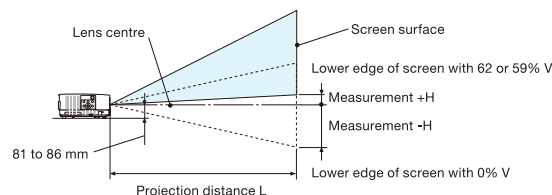
*4: When surrounding temperature is 35–40°C, [ECO MODE] becomes [NORMAL] ECO mode from ECO mode [OFF] automatically.

These specifications and the product's design are subject to change without notice.

Cabinet dimensions



Throw distance and screen size



P502H / P452H Full HD (Aspect ratio 16:9)

Screen size	Screen width (cm)	Screen height (cm)	Throw distance L (m)		Height H (cm)
			Wide	Tele	0% V – 62% V
30"	66.4	37.4	0.79	1.39	-18.7 – 4.3
60"	132.8	74.7	1.62	2.81	-37.4 – 8.7
80"	177.1	99.6	2.17	3.76	-49.8 – 11.6
100"	221.4	124.5	2.72	4.71	-62.3 – 14.5
120"	265.7	149.4	3.28	5.66	-74.7 – 17.4
150"	332.1	186.8	4.11	7.08	-93.4 – 21.7
200"	442.8	249.1	5.49	9.45	-124.5 – 28.9
250"	553.4	311.3	6.87	11.82	-155.7 – 36.2
300"	664.1	373.6	8.25	14.19	-186.8 – 43.4

*Stated projection distances are standard values.

*The values in the tables are design values and may vary.

P502W / P452W WXGA (Aspect ratio 16:10)

Screen size	Screen width (cm)	Screen height (cm)	Throw distance L (m)		Height H (cm)	
			Wide	Tele	0% V –	59% V
30"	64.6	40.4	0.81	1.42	-20.2 –	3.4
60"	129.2	80.8	1.66	2.87	-40.4 –	6.9
80"	172.3	107.7	2.22	3.84	-53.8 –	9.2
100"	215.4	134.6	2.78	4.81	-67.3 –	11.5
120"	258.5	161.5	3.35	5.78	-80.8 –	13.8
150"	323.1	201.9	4.19	7.23	-101.0 –	17.2
200"	430.8	269.2	5.60	9.65	-134.6 –	23.0
250"	538.5	336.5	7.01	12.08	-168.3 –	28.7
300"	646.2	403.9	8.43	14.50	-201.9 –	34.5

Remote control

(included accessory)



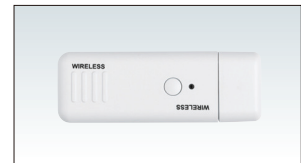
Options

Replacement lamp
NP39LP (P502H/P502W)
NP38LP (P452H/P452W)

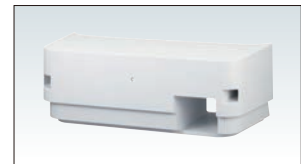


Wireless LAN unit
NP05LM1-5*

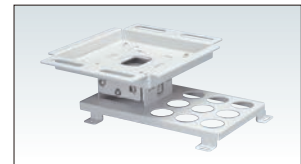
*The last digit may vary depending on the country of destination.



Cable cover
NP09CV



Ceiling mount kit
NP12CM



Installation Projectors

PA803U / PA723U / PA653U / PA853W / PA703W / PA903X



Model	NP-PA803U		NP-PA723U		NP-PA653U		NP-PA853W		NP-PA703W		NP-PA903X	
Method	Three primary colour liquid crystal shutter projection											
Specifications of main parts												
Liquid crystal panel	Size	0.76" (with DMLA) × 3 (aspect ratio: 16:10)										0.79" (with DMLA) × 3 (aspect ratio: 4:3)
	Pixels*1	2,304,000 (1,920 dots × 1,200 lines)					1,024,000 (1,280 dots × 800 lines)					786,432 (1,024 dots × 768 lines)
Projection lenses*2	Zoom	Motorized*3 / Manual*4 (Digital Zoom) (zoom range depends on lens)										
	Focus	Motorized*3 / Manual*4										
	Lens shifting	Refer to Lens Specifications										
Lamp wattage*5		420 W AC	400 W AC	370 W AC	420 W AC	370 W AC	420 W AC	370 W AC	420 W AC	370 W AC	420 W AC	
Light Source (Lamp) 50%	ECO mode OFF	3,000 H	3,500 H	4,000 H	3,000 H	4,000 H	3,000 H	4,000 H	3,000 H	4,000 H	3,000 H	
Light Output	ECO mode	5,000 H	5,000 H	5,000 H	5,000 H	5,000 H	5,000 H	5,000 H	5,000 H	5,000 H	5,000 H	
Light output*6 *7 *8	ECO mode OFF	8,000 lm	7,200 lm	6,500 lm	8,500 lm	7,000 lm	9,000 lm	8,000 lm	7,200 lm	6,500 lm	8,500 lm	
	ECO mode	4,800 lm	4,800 lm	4,800 lm	5,100 lm	5,100 lm	5,400 lm	5,100 lm	5,100 lm	5,100 lm	5,400 lm	
Contrast ratio*7 (all white / all black)	10k: 1 with Iris Lamp Adj	8k: 1 with Iris Lamp Adj		10k: 1 with Iris Lamp Adj		8k: 1 with Iris Lamp Adj	10k: 1 with Iris Lamp Adj	8k: 1 with Iris Lamp Adj	10k: 1 with Iris Lamp Adj	8k: 1 with Iris Lamp Adj	10k: 1 with Iris Lamp Adj	
Screen size (throw distance)	30" to 500" (throw distance depends on lens)											
Colour reproducibility	10-bit colour processing (approx. 1.07 billion colours)											
Quietness (ECO mode ON / ECO mode OFF)	33 dB / 39 dB											
Scan rate	Horizontal	Analogue: 15 kHz, 24 to 100 kHz (24 kHz or greater for RGB inputs), conforms to VESA standards / Digital: 15 kHz, 24 to 153 kHz, conforms to VESA standards										
	Vertical	Analogue: 48 Hz, 50 to 85 Hz, 100, 120 Hz conforms to VESA standards / Digital: 24, 25, 30, 48 Hz, 50 to 85 Hz, 100, 120 Hz conforms to VESA standards										
Max. display resolution (horizontal × vertical)	Analogue: 1,920 × 1,200 (with Advanced AccuBlend) / Digital: 4,096 × 2,160 (with Advanced AccuBlend)											
Keystone Correction	Horizontal	Manual, Approx. ± 40 Max degrees										
	Vertical	Manual, Approx. ± 40 Max degrees										
Input / output connectors												
Computer / Component	Video input	Mini D-Sub 15-pin × 1										
	Audio input	Stereo mini jack × 1										
	Audio output	Stereo mini jack × 1 (common for all signals)										
HDMI	Video input	Type A HDMI connector × 2, Deep Colour (colour depth): Support 8bits, 10bits, 12bits, Colourimetry Support: RGB, YCbCr444, YCbCr422, YCbCr420, REC2020, REC709, REC601, Support 4K, 3D, HDCP*9, LipSync, HDR										
	Audio input	Yes										
HDBaseT / Ethernet Port	Video input	RJ45 × 1, Support 100BASE-TX, Deep Colour (colour depth): Support 8bits, 10bits, 12bits, Colourimetry Support: RGB, YCbCr444, YCbCr422, YCbCr420, REC2020, REC709, REC601, Support 4K, 3D, HDCP*9, LipSync, HDR										
	Audio input	Yes										
	Video output	RJ45 × 1, Support 100BASE-TX, Deep Colour (colour depth): Support 8bits, 10bits, 12bits, Colourimetry Support: RGB, YCbCr444, YCbCr422, REC709, REC601, Support 4K, 3D, HDCP, LipSync										
	Audio output	Yes										
DisplayPort	Video input	DisplayPort 20 pin connector × 1, Deep Colour (colour depth): Support 8bits, 10bits, 12bits, Colourimetry Support: RGB, YCbCr444, YCbCr422, REC709, REC601, Support 4K, 3D, HDCP*9										
	Audio input	Yes										
PC control connector	D-Sub 9-pin × 1											
USB port	USB type A × 1, (USB 2.0 High speed / Full speed / Low speed) for Mouse											
Ethernet / LAN / HDBaseT port	RJ-45 × 1, Supports 10BASE-T / 100BASE-TX, HDBaseT											
Remote connector	Stereo mini jack × 1											
3D SYNC output terminal	5 V / 10 mA, synchronized signal output for 3D use											
Usage environment	Operating temperature: 5 to 40°C*10, Operating humidity: 20 to 80 % (with no condensation)											
	Storage temperature: -10 to 50°C, Storage humidity: 20 to 80 % (with no condensation)											
	Operating altitude: 0 to 3,650 m (1,700 to 3,650 m: Set [FAN MODE] to [HIGH ALUTITUDE])											
Power supply	100 – 240 V AC, 50/60 Hz											
Power consumption	ECO mode	566 W (100 – 130 V)	542 W (100 – 130 V)	506 W (100 – 130 V)	566 W (100 – 130 V)	506 W (100 – 130 V)	566 W (100 – 130 V)	506 W (100 – 130 V)	566 W (100 – 130 V)	506 W (100 – 130 V)	566 W (100 – 130 V)	
	OFF	542 W (200 – 240 V)	518 W (200 – 240 V)	482 W (200 – 240 V)	542 W (200 – 240 V)	482 W (200 – 240 V)	542 W (200 – 240 V)	482 W (200 – 240 V)	542 W (200 – 240 V)	482 W (200 – 240 V)	542 W (200 – 240 V)	
	ECO mode	390 W (100 – 130 V) / 376 W (200 – 240 V)										
	STANDBY (Link-up)	0.24 W (100 – 130 V) / 0.30 W (200 – 240 V)										
	STANDBY (Link-down)*11	0.20 W (100 – 130 V) / 0.26 W (200 – 240 V)										
Rated input current	6.2 A – 2.6 A		6.0 A – 2.5 A		5.6 A – 2.3 A		6.2 A – 2.6 A		5.6 A – 2.3 A		6.2 A – 2.6 A	
Dimensions (W × H × D)	499 × 164 × 406 mm (Net dimensions, not including protruding parts), 591 × 259 × 491 mm (Gross dimensions)											
Weight	10.2 kg (not including lens), 12.5 kg (Gross weight)											

*1: Effective pixels are more than 99.99%. *2: Refer to Lens Specifications. *3: When attached with NP40ZL, NP41ZL, NP43ZL. *4: When attached with NP30ZL, NP11FL, NP12ZL, NP13ZL, NP14ZL. *5: Wattage when ECO mode is OFF. *6: This is the light output value (lumens) when the [PRESET] mode is set to [HIGH-BRIGHT]. If any other mode is selected as the [PRESET] mode, the light output value may drop slightly. *7: Compliance with ISO21118-2012. *8: When attached with NP13ZL or NP41ZL and Eco mode OFF. *9: If you are unable to view material via the HDMI DisplayPort and HDBaseT input, this does not necessarily mean the projector is not functioning properly. With the implementation of HDCP, there may be cases in which certain content is protected with HDCP and might not be displayed due to the decision/intention of the HDCP community. (Digital Content Protection, LLC). HDMI: Supports HDCP2.2/1.4, DisplayPort: Supports HDCP1.4, HDBaseT: Supports HDCP2.2/1.4. *10: 35 to 40°C – "Forced ECO mode". *11: Internal measured value. All wired network ports are connected and active.

• These specifications and the product's design are subject to change without notice.

Throwing distance and Screen size

NP-PA803U / NP-PA723U / NP-PA653U (WXGA)

Unit: m

Screen Size (W × H)	NP11FL	NP30ZL	NP12ZL	NP13ZL	NP14ZL	NP40ZL*	NP41ZL	NP43ZL*
30" (0.66 × 0.40)	—	—	0.7 – 0.9	—	—	—	—	—
40" (0.66 × 0.54)	0.7	—	1.0 – 1.3	1.2 – 2.5	—	—	—	—
60" (1.29 × 0.80)	1	1.0 – 1.3	1.5 – 1.9	1.9 – 3.8	3.7 – 6.0	1.0 – 1.4	1.7 – 3.9	3.9 – 7.7
80" (1.72 × 1.01)	1.4	1.4 – 1.8	2.0 – 2.6	2.5 – 5.1	5.0 – 8.0	1.4 – 1.9	2.2 – 5.2	5.2 – 10.2
100" (2.15 × 1.35)	1.7	1.7 – 2.2	2.5 – 3.3	3.2 – 6.3	6.3 – 10.1	1.7 – 2.4	2.8 – 6.5	6.4 – 12.8
120" (2.59 × 1.62)	2.1	2.0 – 2.7	3.0 – 3.9	3.8 – 7.6	7.5 – 12.1	2.0 – 2.9	3.4 – 7.8	7.7 – 15.3
150" (3.23 × 2.02)	2.6	2.6 – 3.4	3.8 – 4.9	4.8 – 9.5	9.4 – 15.2	2.6 – 3.6	4.2 – 9.8	9.6 – 19.1
200" (4.31 × 2.69)	—	3.4 – 4.5	5.1 – 6.6	6.4 – 12.7	12.6 – 20.3	3.4 – 4.8	5.7 – 13.0	12.8 – 25.4
240" (5.17 × 3.23)	—	4.1 – 5.4	6.1 – 7.9	7.6 – 15.3	15.2 – 24.4	4.1 – 5.8	6.8 – 15.6	15.3 – 30.5
300" (6.46 × 4.04)	—	5.2 – 6.8	7.6 – 9.9	9.6 – 19.1	19.0 – 30.5	5.2 – 7.3	8.5 – 19.6	19.1 – 38.1
400" (8.62 × 5.39)	—	6.9 – 9.0	10.2 – 13.2	12.8 – 25.5	25.4 – 40.7	6.9 – 9.7	11.4 – 26.1	25.3 – 50.7
500" (10.77 × 6.73)	—	8.7 – 11.3	12.7 – 16.5	16.0 – 31.9	31.8 – 50.9	8.6 – 12.1	14.2 – 32.8	31.7 – 63.4

NP-PA853W / NP-PA703W (WXGA)

Unit: m

Screen Size (W × H)	NP11FL	NP30ZL	NP12ZL	NP13ZL	NP14ZL	NP40ZL*	NP41ZL	NP43ZL*
30" (0.66 × 0.40)	—	—	0.7 – 0.9	—	—	—	—	—
40" (0.66 × 0.54)	0.7	—	1.0 – 1.3	1.2 – 2.5	—	—	—	—
60" (1.29 × 0.80)	1	1.0 – 1.3	1.5 – 2.0	1.9 – 3.8	3.7 – 6.0	1.0 – 1.4	1.7 – 3.9	3.9 – 7.7
80" (1.72 × 1.01)	1.4	1.4 – 1.8	2.0 – 2.6	2.5 – 5.1	5.0 – 8.1	1.4 – 1.9	2.2 – 5.2	5.2 – 10.3
100" (2.15 × 1.35)	1.7	1.7 – 2.2	2.5 – 3.3	3.2 – 6.4	6.3 – 10.1	1.7 – 2.4	2.8 – 6.5	6.5 – 12.8
120" (2.59 × 1.62)	2.1	2.0 – 2.7	3.0 – 4.0	3.8 – 7.7	7.6 – 12.2	2.1 – 2.9	3.4 – 7.8	7.7 – 15.4
150" (3.23 × 2.02)	2.6	2.6 – 3.4	3.8 – 5.0	4.8 – 9.6	9.5 – 15.3	2.6 – 3.6	4.3 – 9.8	9.6 – 19.2
200" (4.31 × 2.69)	—	3.4 – 4.5	5.1 – 6.6	6.4 – 12.7	12.7 – 20.4	3.4 – 4.9	5.7 – 13.1	12.8 – 25.5
240" (5.17 × 3.23)	—	4.1 – 5.4	6.1 – 8.0	7.7 – 15.4	15.3 – 24.5	4.1 – 5.8	6.8 – 15.7	15.3 – 30.6
300" (6.46 × 4.04)	—	5.2 – 6.8	7.7 – 10.0	9.6 – 19.2	19.1 – 30.7	5.2 – 7.3	8.6 – 19.6	19.1 – 38.2
400" (8.62 × 5.39)	—	6.9 – 9.0	10.2 – 13.3	12.8 – 25.7	25.5 – 40.9	6.9 – 9.8	11.4 – 26.2	25.4 – 50.9
500" (10.77 × 6.73)	—	8.7 – 11.3	12.8 – 16.7	16.0 – 32.1	31.9 – 51.2	8.7 – 12.2	14.3 – 32.8	31.8 – 63.6

NP-PA903X (XGA)

Unit: m

Screen Size (W × H)	Lens unit model name								Unit: mm
	NP11FL	NP30ZL	NP12ZL	NP13ZL	NP14ZL	NP40ZL*	NP41ZL	NP43ZL*	
30" (0.61 × 0.46)	—	—	0.7 ~ 0.9	—	—	—	—	—	
40" (0.81 × 0.61)	0.6	—	0.9 ~ 1.2	1.2 ~ 2.4	—	—	—	—	
60" (1.22 × 0.91)	1	1.0 ~ 1.3	1.4 ~ 1.9	1.8 ~ 3.7	3.6 ~ 5.8	1.0 ~ 1.4	1.6 ~ 3.7	3.8 ~ 7.4	
80" (1.63 × 1.22)	1.3	1.3 ~ 1.7	1.9 ~ 2.5	2.4 ~ 4.9	4.8 ~ 7.8	1.3 ~ 1.8	2.2 ~ 5.0	5.0 ~ 9.9	
100" (2.03 × 1.52)	1.6	1.6 ~ 2.1	2.4 ~ 3.2	3.0 ~ 6.1	6.0 ~ 9.7	1.6 ~ 2.3	2.7 ~ 6.3	6.2 ~ 12.3	
120" (2.44 × 1.83)	2	2.0 ~ 2.6	2.9 ~ 3.8	3.7 ~ 7.4	7.3 ~ 11.7	2.0 ~ 2.8	3.3 ~ 7.5	7.4 ~ 14.8	
150" (3.05 × 2.29)	2.5	2.5 ~ 3.2	3.7 ~ 4.8	4.6 ~ 9.2	9.1 ~ 14.7	2.5 ~ 3.5	4.1 ~ 9.4	9.3 ~ 18.4	
200" (4.06 × 3.05)	—	3.3 ~ 4.3	4.9 ~ 6.4	6.1 ~ 12.3	12.2 ~ 19.6	3.3 ~ 4.7	5.5 ~ 12.5	12.3 ~ 24.5	
240" (4.88 × 3.66)	—	4.0 ~ 5.2	5.9 ~ 7.7	7.4 ~ 14.8	14.7 ~ 23.6	4.0 ~ 5.6	6.6 ~ 14.1	14.7 ~ 24.9	
300" (6.13 × 4.57)	—	5.0 ~ 6.5	7.4 ~ 9.6	9.2 ~ 18.5	18.4 ~ 29.5	5.0 ~ 7.0	8.2 ~ 18.8	18.4 ~ 31.2	
400" (8.13 × 6.13)	—	6.7 ~ 8.7	9.8 ~ 12.8	12.3 ~ 24.7	24.6 ~ 39.4	6.7 ~ 11.7	11.0 ~ 25.4	24.6 ~ 48.8	
500" (10.16 × 7.62)	—	8.4 ~ 10.9	12.3 ~ 16.0	15.4 ~ 30.8	30.7 ~ 49.2	8.4 ~ 13.4	13.1 ~ 30.6	61.1 ~ 91.4	

Laser Light Source Semi-Installation Projectors

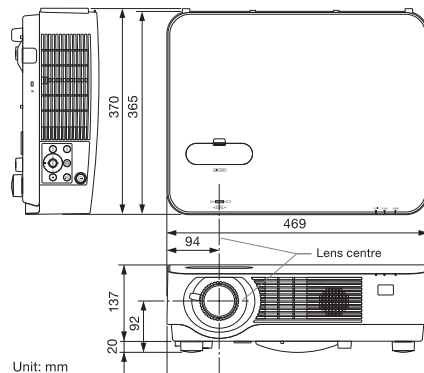
P502HL-2 / P502WL-2



Model	NP-P502HL-2		NP-P502WL-2	
Method	Reflection by single DMD chip			
Specifications of main parts				
Main panel	Size	0.65" (aspect ratio: 16:9)		0.65" (aspect ratio: 16:10)
	Pixels*1	(1,920 dots × 1,080 lines)		1,024,000 (1,280 dots × 800 lines)
Projection lenses	Zoom	Manual (zoom ratio 1.7)		
	Focus	Manual		
	Lens shifting	Manual (H: ±25%, V: +62%, −0%)		Manual (H: ±28%, V: +59%, −0%)
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	ECO mode off	5,000 lm		
	ECO 1 mode	Approx. 80%		
	ECO 2 mode	Approx. 50%		
Contrast ratio*4 (all white/all black)		20,000:1 with dynamic contrast		
Screen size		30 to 300 inches		
Colour reproducibility		10-bit signal processing (approx. 1.07 billion colours)		
Quietness (ECO2/ECO1/ECO mode off)		31 dB / 33 dB / 39 dB		
Synchronization rate	Horizontal	15 to 100 kHz (24 kHz or greater for RGB inputs)		
	Vertical	50 to 120 Hz		
Max. display resolution (horizontal × vertical)		Analogue: 1,920 × 1,200 (with Advanced AccuBlend) / Digital: 1,920 × 1,080 (with Advanced AccuBlend)		
Keystone correction	Horizontal	Manual (approx. ±25 degrees)		
	Vertical	Manual (approx. ±30 degrees)		
Input/output connectors				
Computer input	Mini D-Sub 15-pin × 1			
	Audio input	Stereo mini jack × 1		
HDMI® input		TypeA 19-pin HDMI® connector (HDCP, audio) × 2		
HDBaseT™		RJ45 (Ethernet 100Base-TX/HDBaseT, audio) × 1		
Video input	RCA × 1			
	Audio input	RCA × 2 (L/R)		
Computer output		Mini D-Sub 15-pin × 1		
Audio output		Stereo mini jack × 1		
PC control		D-Sub 9-pin × 1		
USB port		Type A for USB memory × 1, Type B for service × 1		
Ethernet port		RJ-45 (10/100Base-TX) × 1, W-LAN (USB type A) × 1 for wireless LAN unit		
3D SYNC		Synchronized signal output for 3D use × 1		
Built-in speaker		20 W monaural × 1		
Usage environment		Operating temperature: 5 to 40°C*5, operating humidity: 20 to 80% (with no condensation)		
		Storage temperature: −10 to 50°C, storage humidity: 20 to 80% (with no condensation)		
		Operating altitude: 0 to 2,600 m (1700 to 2,600 m: Set [FAN MODE] to [HIGH])		
Power supply		100–240 V AC, 50/60 Hz		
Power consumption	ECO mode off	464 W (100–130 V)/442 W (200–240 V)		
	ECO1	362 W (100–130 V)/347 W (200–240 V)		
	ECO2	236 W (100–130 V)/231 W (200–240 V)		
	STANDBY (NORMAL)	Less than 0.36 W		
	STANDBY (NETWORK)	Less than 2.3 W		
Rated input current		5.7–2.3 A		
Dimensions (W × H × D)		469 × 137 × 365 mm (net dimensions, not including protruding parts)		
Weight		8.7 kg (net weight)		

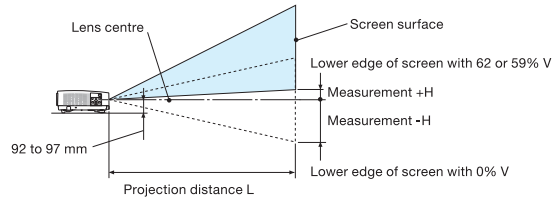
^{*1}: Effective pixels are more than 99.99%. ^{*2}: Time at which the laser light source is at half brightness; not a guarantee time. ^{*3}: Light output value when the [PRESET] mode is set to [HIGH-BRIGHT]. ^{*4}: Compliant with ISO21118-2005. ^{*5}: When surrounding temperature is 35-40°C, [PRESET] becomes [ECO] mode automatically. These specifications and the product's design are subject to change without notice.

Cabinet dimensions



Unit: mm

Throw distance and screen size



P502HL-2 Full HD (Aspect ratio 16:9)

Screen size	Screen width (cm)	Screen height (cm)	Throw distance L (m)	Height H (cm)	0% V - 62% V
30"	66.4	37.4	0.79	1.39	-18.7 - 4.3
40"	88.6	49.8	1.07	1.86	-24.9 - 5.8
50"	110.7	62.3	1.34	2.34	-31.1 - 7.2
60"	132.8	74.7	1.62	2.81	-37.4 - 8.7
80"	177.1	99.6	2.17	3.76	-49.8 - 11.6
100"	221.4	124.5	2.72	4.71	-62.3 - 14.5
120"	265.7	149.4	3.28	5.66	-74.7 - 17.4
150"	332.1	186.8	4.11	7.08	-93.4 - 21.7
200"	442.8	249.1	5.49	9.45	-124.5 - 28.9
250"	553.4	311.3	6.87	11.82	-155.7 - 36.2
300"	664.1	373.6	8.25	14.19	-186.8 - 43.4

<sup>*Stated projection distances are standard values.
^{*The values in the tables are design values and may vary.}</sup>

P502WL-2 Full HD (Aspect ratio 16:9)

Screen size	Screen width (cm)	Screen height (cm)	Throw distance L (m)	Height H (cm)	0% V - 62% V
30"	64.6	40.4	0.81	1.42	-20.2 - 3.4
40"	86.2	53.8	1.09	1.9	-26.9 - 4.6
50"	107.7	67.3	1.37	2.39	-33.7 - 5.7
60"	129.2	80.8	1.66	2.87	-40.4 - 6.9
80"	172.3	107.7	2.22	3.84	-53.8 - 9.2
100"	215.4	134.6	2.78	4.81	-67.3 - 11.5
120"	258.5	161.5	3.35	5.78	-80.8 - 13.8
150"	323.1	201.9	4.19	7.23	-101.0 - 17.2
200"	430.8	269.2	5.6	9.65	-134.6 - 23
250"	538.5	336.5	7.01	12.08	-168.3 - 28.7
300"	646.2	403.9	8.43	14.5	-201.9 - 34.5

Remote control

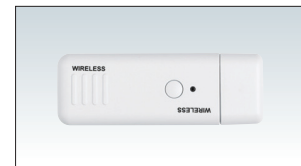
(included accessory)



Options

Wireless LAN unit NP05LM1-5*

^{*The last digit may vary depending on the country of destination.}



Cable cover NP08CV



Laser Light Source Installation Projectors

PA653UL / PA803UL

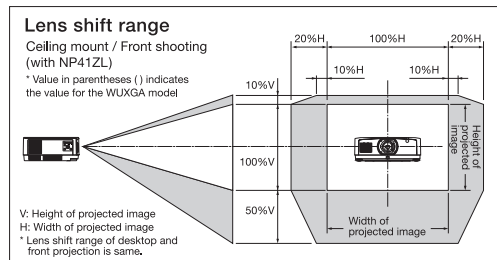


Model		PA803UL	PA653UL
Method		Three primary colour liquid crystal shutter projection	
Specifications of main parts			
Liquid crystal panel	Size	0.76" (with DMLA) × 3 (aspect ratio: 16:10)	
	Pixels*1	2,304,000 (1,920 dots × 1,200 lines)	
Projection lenses*2	Zoom	Motorised (Digital Zoom) (zoom range depends on lens)	
	Focus	Motorised	
	Lens shifting	Refer to Lens Specifications	
Light Source		Laser diode	
Light source (laser diode) life*3		20,000 H	
Light output*4,5,6	Normal mode	8,000 lumens	6,500 lumens
	ECO 1 mode	6,400 lumens	5,200 lumens
	ECO 2 mode	4,800 lumens	3,900 lumens
	Long life mode	2,400 lumens	1,950 lumens
Contrast ratio*8 (all white / all black)		2,500k: 1with dynamic contrast	
Screen size (throw distance)		50" to 500" (throw distance depends on lens)	
Colour reproducibility		10-bit colour processing (approx. 1.07 billion colours)	
Scan rate	Horizontal	Analogue: 15 kHz, 24 to 100 kHz (24 kHz or greater for RGB inputs), conforms to VESA standards / Digital: 15 kHz, 24 to 153 kHz, conforms to VESA standards	
	Vertical	Analogue: 48 Hz, 50 to 85 Hz, 100, 120 Hz conforms to VESA standards / Digital: 24, 25, 30, 48 Hz, 50 to 85 Hz, 100, 120 Hz conforms to VESA standards	
Maximum resolution (horizontal × vertical)		Analogue: 1,920 × 1,200 (with Advanced AccuBlend) / Digital: 4,096 × 2,160 (with Advanced AccuBlend)	
Keystone Correction	Horizontal	Manual, Approx. ± 40 Max degrees	
	Vertical	Manual, Approx. ± 40 Max degrees	
Input/output connectors			
Computer / Component	Video input	Mini D-Sub 15-pin × 1	
	Audio input	Stereo mini jack × 1	
	Audio output	Stereo mini jack × 1 (common for all signals)	
HDMI	Video input	Type A HDMI connector × 2, Deep Colour (colour depth): Support 8bits, 10bits, 12bits, Colourimetry Support: RGB, YCbCr444, YCbCr422, YCbCr420, Rec.2020, Rec.709, Rec.601, Support 4K, 3D, HDCP*7, LipSync, HDR	
	Audio input	Yes	
HDBaseT / Ethernet Port	Video input	RJ45 × 1, Support 100BASE-TX, Deep Colour (colour depth): Support 8bits, 10bits, 12bits, Colourimetry Support: RGB, YCbCr444, YCbCr422, YCbCr420, Rec.2020, Rec.709, Rec.601, Support 4K, 3D, HDCP*7, LipSync, HDR	
	Audio input	Yes	
	Video output	RJ45 × 1, Support 100BASE-TX, Deep Colour (colour depth): Support 8bits, 10bits, 12bits, Colourimetry Support: RGB, YCbCr444, YCbCr422, Rec.709, Rec.601, Support 4K, 3D, HDCP*7, LipSync	
	Audio output	Yes	
DisplayPort	Video input	DisplayPort 20 pin connector × 1, Deep Colour (colour depth): Support 8bits, 10bits, 12bits, Colourimetry Support: RGB, YCbCr444, YCbCr422, Rec.709, Rec.601, Support 4K, 3D, HDCP*7	
	Audio input	Yes	
PC control connector		D-Sub 9-pin × 1	
USB port		USB type A × 1, (USB 2.0 High speed / Full speed / Low speed) for Mouse	
Ethernet / LAN / HDBaseT port		RJ-45 × 1, Supports 10BASE-T / 100BASE-TX, HDBaseT	
Remote connector		Stereo mini jack × 1	
3D SYNC output terminal		5 V / 10 mA, synchronized signal output for 3D use	
Usage environment		Operating temperature: 5 to 40°C*, Operating humidity: 20 to 80 % (with no condensation)	
		Storage temperature: -10 to 50°C, Storage humidity: 20 to 80 % (with no condensation)	
		Operating altitude: 0 to 3,650 m (1,700 to 3,650 m: Set [FAN MODE] to [HIGH ALTITUDE])	
Power supply		100 – 240 V AC, 50/60 Hz	
Power consumption	Normal mode	798 W (100 – 130 V) / 774 W (200 – 240 V)	627 W (100 – 130 V) / 613 W (200 – 240 V)
	ECO 1 mode	604 W (100 – 130 V) / 592 W (200 – 240 V)	580 W (100 – 130 V) / 566 W (200 – 240 V)
	ECO 2 mode	470 W (100 – 130 V) / 464 W (200 – 240 V)	437 W (100 – 130 V) / 431 W (200 – 240 V)
	Long life mode	285 W (100 – 130 V) / 285 W (200 – 240 V)	276 W (100 – 130 V) / 276 W (200 – 240 V)
	STANDBY (Link-up)	0.15 W (100 – 130 V) / 0.21 W (200 – 240 V)	
	STANDBY (Link-down)*9	0.11 W (100 – 130 V) / 0.16 W (200 – 240 V)	
Rated input current		11.8 A – 5.2 A	10.2 A – 4.5 A
Dimensions (W × H × D)		580 × 205 × 490 mm (Net dimensions, not including protruding parts), 909 × 322 × 731 mm (Gross dimensions)	
Weight		18.2 kg (not including lens), 24.4 kg (Gross weight)	

*1: Effective pixels are more than 99.99 %. *2: Refer to Lens Specifications. *3: Time at which the laser light source is at half brightness; not a guarantee time. *4: This is the light output value (lumens) mounting the lens unit, NP41ZL, when the [PRESET] mode is set to [HIGH-BRIGHT]. The light output values will be dropped according to the setting of [LIGHT MODE]. If any other mode is selected as the [PRESET] mode, the light output value may drop slightly. *5: Compliance with ISO21118-2012. *6: When attached with NP41ZL. *7: If you are unable to view material via the HDMI DisplayPort and HDBaseT input, this does not necessarily mean the projector is not functioning properly. With the implementation of HDCP, there may be cases in which certain content is protected with HDCP and might not be displayed due to the decision/intention of the HDCP community. (Digital Content Protection, LLC). Video: HDR, Deep Colour, 8/10/12-bit, Lip Sync, Audio: LPCM; up to 2 ch, sample rate 32/44.1/48 kHz, sample bit: 16/20/24-bit, HDMI: Supports HDCP2.2/1.4, DisplayPort: Supports HDCP1.4, HDBaseT: Supports HDCP2.2/1.4. *8: Depending on the altitude and temperature, the projector goes into "Forced ECO Mode" in the state [NORMAL] or [ECO1] has been selected for [LIGHT MODE]. *9: Internal measured value. All wired network ports are connected and active. • These specifications and the product's design are subject to change without notice.

Optional Lens specifications

Model	NP40ZL	NP41ZL	NP43ZL
Lens Type	Zoom Lens	Zoom Lens	Zoom Lens
Zoom / Focus	Motorised	Motorised	Motorised
F# (Wide – Tele)	2.0 – 2.5	1.7 – 2.0	2.2 – 2.6
f (mm)	13.3–18.6	21.8 – 49.7	49.7 – 99.8
Throw ratio (WUXGA @ 100 inch)	0.79 – 1.11:1	1.30 – 3.02:1	2.99 – 5.93:1
Zoom Ratio	1.4	2.3	2.0
Screen Size (Performance guarantee range)	50 – 500 inch (80 – 200 inch)	50 – 500 inch (80 – 200 inch)	50 – 500 inch (80 – 200 inch)
Light Output	NP-PA803UL 6,800 lumens NP-PA653UL 5,500 lumens	8,000 lumens 6,500 lumens	6,400 lumens 5,200 lumens
Weight	1.6 kg	1.8 kg	1.8 kg



Remote control



(included accessory)

Options



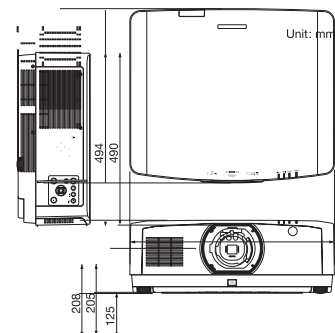
MultiPresenter Stick
DS1-MP10RX*

* Make sure to choose the appropriate MultiPresenter Stick for the usage country or area by visiting our website.
(http://www.nec-display.com/ap/en_display/mp10rx/index.html)

Lenses

NP40ZL
NP41ZL
NP43ZL

Cabinet dimensions



Throwing distance and Screen size

NP-PA803UL / NP-PA653UL (WUXGA) Unit: m

Screen Size (W × H)	Lens unit model name		
	NP40ZL	NP41ZL	NP43ZL
50" (1.08 × 0.67)	0.8 – 1.2	1.4 – 3.2	3.3 – 6.4
60" (1.29 × 0.81)	1.0 – 1.4	1.7 – 3.9	3.9 – 7.7
80" (1.72 × 1.08)	1.4 – 1.9	2.2 – 5.2	5.2 – 10.2
100" (2.15 × 1.35)	1.7 – 2.4	2.8 – 6.5	6.4 – 12.8
120" (2.59 × 1.62)	2.0 – 2.9	3.4 – 7.8	7.7 – 15.3
150" (3.23 × 2.02)	2.6 – 3.6	4.2 – 9.8	9.6 – 19.1
200" (4.31 × 2.69)	3.4 – 4.8	5.7 – 13.0	12.8 – 25.4
240" (5.17 × 3.23)	4.1 – 5.8	6.8 – 15.6	15.3 – 30.5
300" (6.46 × 4.04)	5.2 – 7.3	8.5 – 19.6	19.1 – 38.1
400" (8.62 × 5.39)	6.9 – 9.7	11.4 – 26.1	25.4 – 50.8
500" (10.77 × 6.73)	8.6 – 12.1	14.2 – 32.6	31.7 – 63.4

* Throw distance values of NP43ZL are TBD.
* Stated projection distances are standard values from lens or mirror surface to screen centre.
* For a stack installation, the recommended projection distances will be different.
* The values in the table are design values and may vary.

Laser Light Source Installation Projectors

PX1004UL / PX803UL

PX1004UL-BK /
PX803UL-BK



PX1004UL-WH /
PX803UL-WH

Model		NP-PX1004UL-WH / NP-PX1004UL-BK	NP-PX803UL-WH / NP-PX803UL-BK
Method		Reflection by single DMD chip	
Specifications of main parts			
Main panel	Size Pixels*1	0.67" 2 × LVDS (aspect ratio: 16:10) 2,304,000 (1,920 dots × 1,200 lines)	
Projection lenses	Zoom	Power-adjustable	
	Focus		
	Lens shifting		
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	10,000 ANSI lumens	8,000 ANSI lumens
	ECO1 / ECO2	Approx. 80% / Approx. 50%	
Contrast ratio*4 (all white / all black)		10,000:1 with dynamic contrast	
Screen size		50" to 300", 100" to 350" (NP39ML)	
Colour reproducibility		10-bit colour processing (approx. 1.07 billion colours)	
Quietness (ECO2 / ECO1 / Normal mode)		37 dB / 39 dB / 42 dB	35 dB / 37 dB / 40 dB
Scan rate	Horizontal	Analog: 15 kHz, 24 to 100 kHz (24 kHz or greater for RGB inputs) / Digital: 15 kHz, 24 to 153 kHz	
	Vertical	Analog: 48 Hz, 50 to 85 Hz, 100 Hz, 120 Hz / Digital: 24 Hz, 25 Hz, 30 Hz, 48 Hz, 50 to 85 Hz, 100 Hz, 120 Hz	
Max. display resolution (horizontal × vertical)		Analog: 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	
	Video output	Type A 19-pin HDMI® connector with HDCP (V1.4) × 1	
HDMI® input terminals	Audio input	Yes	
	Audio output	Yes	
HDMI® output terminal	Video output	Type A 19-pin HDMI® connector with HDCP (V1.4) × 1	
	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	
	Video input	BNC × 2	
BNC (Y/C)	Video input	BNC × 2	
	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*5		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	
Power supply		110 – 240 V AC, 50 / 60 Hz	100 – 240 V AC, 50 / 60 Hz
Power consumption	Normal	1,220 W (110 – 130 V) / 1,165 W (200 – 240 V)	874 W (100 – 130 V) / 850 W (200 – 240 V)
	ECO1	980 W (110 – 130 V) / 930 W (200 – 240 V)	695 W (100 – 130 V) / 680 W (200 – 240 V)
	ECO2	625 W (110 – 130 V) / 605 W (200 – 240 V)	456 W (100 – 130 V) / 446 W (200 – 240 V)
	STANDBY (NORMAL)	Less than 0.3 W	Less than 0.27 W
	STANDBY (NETWORK)	Less than 4.5 W	Less than 4.4 W
	STANDBY (NETWORK)	Less than 4.5 W	Less than 4.4 W
Rated input current		11.6 – 5.2 A	9.4 – 3.8 A
Cabinet colour		White : -WH, Black : -BK	
Dimensions (W × H × D)		500 × 216 × 583 mm (not including lens) 500 × 211 × 577 mm (not including protruding parts)	
Weight		29.0 kg (not including lens)	28.0 kg (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: This is the light output value that results from setting the [LIGHT MODE] to [NORMAL] and setting the [PRESET] to [HIGH-BRIGHT] while using the NP18ZL lens (sold separately).

*4: Compliant with ISO21118-2012.

*5: Depending on the altitude and temperature, the projector goes into "Forced ECO MODE".

*6: 10 to 40°C while using the NP39ML.

These specifications and the product's design are subject to change without notice.

Remote control

(included accessory)



Options

Lenses

NP39ML (Throw Ratio 0.38)

NP16FL (Throw Ratio 0.76)

NP31ZL (Throw Ratio 0.75-0.93)

NP17ZL (Throw Ratio 1.25-1.79)

NP18ZL (Throw Ratio 1.73-2.27)

NP19ZL (Throw Ratio 2.22-3.67)

NP20ZL (Throw Ratio 3.58-5.38)

NP21ZL (Throw Ratio 5.31-8.26)

Slot boards

SDI

SB-04HC (3G/HD/SD-SDI)



OPS single board controller (computer)

N8000-8866 (Core i5 60GB-SSD)

N8000-8865 (Core i5 320GB-HDD)



Throw distance and screen size

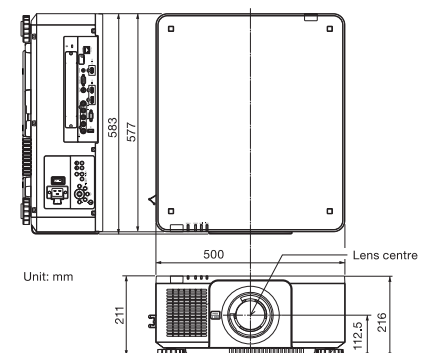
Screen size (W × H)	Lens model name							
	NP39ML	NP16FL	NP31ZL	NP17ZL	NP18ZL	NP19ZL	NP20ZL	NP21ZL
50" (1.08 × 0.64)	–	0.8	0.8-1.0	1.3-1.9	1.8-2.4	2.4-4.0	3.8-5.8	5.6-8.9
60" (1.29 × 0.81)	–	1.0	1.0-1.2	1.6-2.3	2.2-2.9	2.8-4.8	4.6-7.0	6.8-10.7
80" (1.72 × 1.08)	–	1.3	1.3-1.6	2.2-3.1	3.0-3.9	3.8-6.4	6.2-9.3	9.1-14.4
100" (2.15 × 1.35)	0.8	1.7	1.6-2.0	2.7-3.9	3.7-4.9	4.8-8.0	7.7-11.7	11.5-18.1
120" (2.59 × 1.62)	1.0	2.0	2.0-2.5	3.3-4.7	4.5-5.9	5.8-9.6	9.3-14.1	13.8-21.7
150" (3.23 × 2.02)	1.2	2.5	2.5-3.1	4.1-5.8	5.6-7.4	7.2-12.0	11.7-17.6	17.4-27.3
200" (4.31 × 2.69)	1.6	3.4	3.3-4.1	5.5-7.8	7.5-9.9	9.7-16.1	15.6-23.5	23.3-36.4
240" (5.17 × 3.23)	1.9	4.1	4.0-5.0	6.6-9.4	9.1-11.9	11.6-19.3	18.8-28.3	28.0-43.8
300" (6.46 × 4.04)	2.3	5.1	5.0-6.2	8.2-11.7	11.3-14.9	14.5-24.1	23.5-35.4	35.0-54.8

*Stated projection distances are standard values from lens or mirror surface to screen centre.

*For a stack installation, the recommended projection distances will be different.

*The values in the table are design values and may vary.

Cabinet dimensions



Unit: mm

Installation Projectors

PH1202HL



Model			NP-PH1202HL
Method			3 chip DMD reflection type
Specifications of main parts	Main panel	Size	3 × 0.65" 1080p (aspect ratio: 16:9)
		Pixels* ¹	2,073,600 (1,920 dots × 1,080 lines)
	Projection lenses	Zoom	Power-adjustable (range depends on lens)
		Focus	Power-adjustable
		Lens shifting	Power-adjustable (range depends on lens)
	Light source		Blue laser diode
	Light source (laser diode) Life* ²	Normal mode	20,000 H
	ECO1 / ECO2 / Longlife	27,000 H / 40,000 H / 30,000 H	
Optical unit		5 piece prism	
Light output* ³ * ⁴		Normal mode	12,000 lm
		ECO1 / ECO2 / Longlife	Approx. 80 % / 50 % / 90 %
Contrast ratio* ⁴ (all white / all black)			10,000:1 with dynamic contrast
Screen size			See option lens specifications
Colour reproducibility			10-bit colour processing (approx. 1.07 billion colours)
Quietness (ECO2 / ECO1 / Normal mode / Longlife)			43 dB / 45 dB / 47 dB / 55 dB
Scan rate	Horizontal	Analogue: 15 kHz, 24 to 100 kHz (24 kHz or greater for RGB inputs), conforms to VESA standards Digital: 15 kHz, 24 to 153 kHz, conforming to VESA standards	
	Vertical	Analogue: 48 Hz, 50 to 85 Hz, 100, 120 Hz conforming to VESA standards Digital: 24, 25, 30, 48 Hz, 50 to 85 Hz, 100, 120 Hz conforming to VESA standards	
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		Mini D-Sub 15-pin × 1, 5BNC × 1
	HDMI [®] input terminals		TypeA 19-pin HDMI [®] connector with HDCP × 1
	HDMI [®] output terminal		TypeA 19-pin HDMI [®] connector with HDCP × 1
	HDBaseT [™]		RJ45 × 1 (IEEE 802.3 / 802.3u 10BASE-T / 100BASE-TX), shared with Ethernet
	DisplayPort [™]		DisplayPort 20-pin connector × 1
	BNC (CV)		BNC × 1 (shared with computer 5BNC)
	BNC (Y/C)		BNC × 2 (shared with computer 5BNC)
	PC control connector		D-Sub 9-pin × 1
	GPIO		D-sub 37-pin female × 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 * ⁵ , operating humidity: 20 to 80 % (with no condensation) Storage temperature: -10 to 50 °C, storage humidity: 20 to 80 % (with no condensation) Operating altitude: 0 to 2,600 m
Power supply			200 to 240 V AC, 50/60 Hz
Power consumption	Normal	1,392 W	
	ECO1	1,110 W	
	ECO2	752 W	
	Longlife	1,291 W	
	Standby (Normal)	1.83 W	
	Standby (HDBaseT)	5.7 W	
Rated input current			9.2 A
Dimensions (W × H × D)			680 × 333 × 860 mm (net dimensions, not including protruding parts)
Weight			68.0 kg (net weight, not including lens)

*1: Effective pixels are more than 99.99 %.

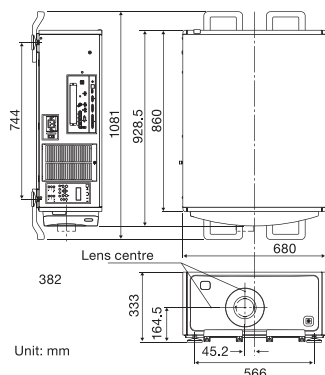
*2: Time at which the laser light source is at half brightness; not a guaranteed time.

*3: Light output value when the [PRESET] mode is set to [HIGH-BRIGHT] and the [LIGHT MODE ADJUST] is set to [100] while using the NP-9LS12ZM1 or NP9LS16ZM1.

*4: Compliant with ISO21118-2005.

These specifications and the product's design are subject to change without notice.

Cabinet dimensions



Lens Specifications

Model	NP-9LS08ZM1	NP-9LS12ZM1	NP-9LS13ZM1	NP-9LS16ZM1	NP-9LS20ZM1	NP-9LS40ZM1
						
Lens type	Zoom	Zoom	Zoom	Zoom	Zoom	Zoom
Zoom / Focus	Power	Power	Power	Power	Power	Power
Zoom ratio	1.5	1.43	1.58	1.67	1.87	1.56
F (Wide-tele)	2.5 - 3.0	2.5	2.5	2.5	2.5	2.5
f	13.3 - 19.9 mm	18.6 - 26.7 mm	20.7 - 32.7 mm	25.2 - 42.0 mm	32.2 - 60.3 mm	62.1 - 97.8 mm
Throw ratio (1080p)	0.90 - 1.35	1.27 - 1.82	1.41 - 2.23	1.71 - 2.87	2.25 - 4.18	4.31 - 6.77
Screen size	70 - 600	100 - 500	100 - 500	100 - 500	100 - 500	60 - 500
Brightness	11,000 lm	12,000 lm	11,700 lm	12,000 lm	11,800 lm	12,300 lm
Weight	2.25kg	2.36kg	2.34kg	2.36kg	2.28kg	1.7kg

Remote control

(Included accessory)



Options

Lenses

NP-9LS08ZM1

NP-9I S127M1

NP-9I S137M1

NP-9I S167M1

NP 9L S207M1

NP-9LS40ZM1

Boards



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

HD/SD-SDI: SB-01HC

OPS single board controller
(computer)



N8000-8865 / N8000-8866

N8000-8830 / N8000-8822

Displays



As a world leading name in digital signage, NEC displays are installed in some of the most challenging and highly visited locations and venues across the world. From 24/7 LED backlit displays for performance critical applications to high quality value ranges and reference options, NEC leads the market for signage solutions you can trust.

Entry-Level Signage

E Series Cost efficient digital signage as well as meeting room equipment

Value Signage

V Series Value for money signage all-rounder delivering convenience and flexibility

Professional Signage

P Series High end solution offering secure and reliable operations paired with a perfect image representation in all environments

Specialty XUN / UN / UHB / HB Series

Video wall solution for huge surfaces offering a very modular and flexible design.

XUHB Series High bright display for perfect image presenting in very light surroundings.

XHD Series Pixel free viewing combined with precise colour reproduction when image quality decides

Entry Level Signage

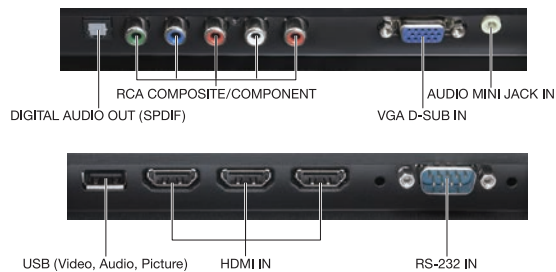
E656 / E556 / E506 / E436 / E326



Model		E656	E556	E506	E436	E326
LCD MODULE	Viewable image size	65"	55"	50"	43"	32"
	Native resolution	1,920 × 1,080				
	Aspect ratio	16:9				
	Displayable colours	Over 16.7 million				
	Orientation	Landscape				
CONNECTIVITY	Input terminals					
	Digital	HDMI × 3				
	Analogue	VGA D-sub 15-pin, RCA composite/component				
	Audio	RCA audio				
	External control	RS232C (unidirectional)				
	USB	USB2.0 typeA, media player (photo, music, movie)				
	Output terminals					
POWER CONSUMPTION	Audio	SPDIF				
	On (max)	158 W	111 W	109 W	81 W	60 W
	Auto power save	<3.0 W				
	Auto standby	<0.5 W				
	Current rating	1.6 A – 0.8 A @100 V – 240 V	1.2 A – 0.6 A @100 V – 240 V		1.0 A – 0.5 A @100 V – 240 V	1.1 A – 0.6 A @100 V – 240 V
	Speaker rating	10 W × 10 W				5W × 5W
PHYSICAL SPECIFICATIONS	Bezel width (Left/Right) (Top/Bottom)	13.9 mm / 13.9 mm 13.9 mm / 14.9 mm	12.9 mm / 12.9 mm 12.9 mm / 14.7 mm	11.9 mm / 11.9 mm 11.9 mm / 14.4 mm	10.4 mm / 10.4 mm 10.4 mm / 13.4 mm	11.9 mm / 11.9 mm 11.9 mm / 16.1 mm
	Net dimensions (Without stand; W × H × D)	1,457.9 × 834.5 × 89.5 mm	1,239.2 × 711.6 × 79.2 mm	1,123.6 × 646.7 × 77.0 mm	968.2 × 559.4 × 76.8 mm	726.7 × 424.3 × 76.8 mm
	Net Weight (without stand)	23.5 kg	15.6 kg	12.9 kg	8.6 kg	4.8 kg
	VESA hole configuration	4 × M6 × 17.5 mm (400 × 400)	4 × M6 × 15 mm (400 × 200)	4 × M6 × 15 mm (200 × 200)	4 × M6 × 16 mm (200 × 200)	4 × M4 × 12 mm (100 × 100)
ENVIRONMENTAL CONDITIONS	Operating temperature	0 to 40°C				
	Operating humidity	10 to 80% (without condensation)				
	Operating altitude	2000 m				
ADDITIONAL FEATURES		Wake on video signal, On/Off scheduler function, USB media player, integrated speakers (5 W × 2 for E326, 10 W × 2 for all others)				
SHIPS WITH		Power cord, D-sub cable, remote control unit, batteries, CD-ROM (user's manual)				
OPTIONAL ACCESSORIES		Table top stand (ST-65E2)	Table top stand (ST-50E)	Table top stand (ST-50E)	Table top stand (ST-43E)	Table top stand (ST-32E)

*RS-232C communication is only unilateral. The displays will not send feedback commands.

Terminals



For times when the remote is not available, full display controls are conveniently situated on the side of the bezel, allowing you to change channels, adjust the volume and access the on-screen display manager.

Optional table top stand design



E656 with ST-65E2



E556 with ST-50E
E506 with ST-50E
E436 with ST-43E
E326 with ST-32E

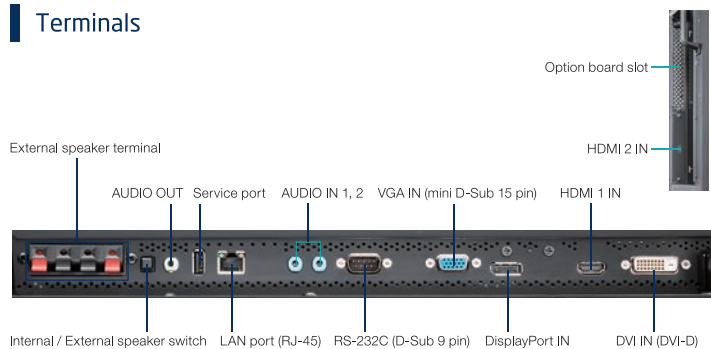
Entry Level Signage

E905 / E805 / E705

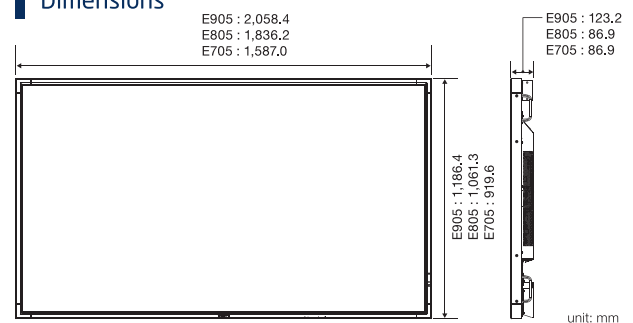


Model	E905	E805	E705
LCD MODULE			
Viewable Size (Diagonal)	90"	80"	69.5"
Native Resolution	1,920 x 1,080		
Pixel Pitch	1.038 mm	0.922 mm	0.802 mm
Active Screen Area (W x H)	1,992.96 x 1121.04 mm	1,771.20 x 996.30 mm	1,538.88 x 865.62 mm
Brightness	350 cd/m ²		450 c d/m ²
CONNECTIVITY			
Input Terminals			
DisplayPort	DisplayPort		
HDMI	HDMI x 2		
DVI	DVI-D		
VGA	Mini D-sub 15 pin		
YPbPr	Mini D-sub 15 pin (Shared with VGA)		
Audio	Stereo Mini Jack x 2		
Output Terminals			
Audio	Stereo Mini Jack		
External Control			
RS232C Input	Mini D-Sub 9 pin		
Ethernet	RJ-45 10 / 100BASE-T		
DDC/CI	Mini D-sub 15 pin / DVI-D		
Speaker Output			
External Speakers	15 W + 15 W (8 Ω)		
Internal Speakers	10 W + 10 W		
POWER			
Power Requirement	4.8 A - 2.0A @ 100 - 240 V	4.8 A - 2.0A @ 100 - 240 V	3.6 A - 1.6A @ 100 - 240 V
Power Consumption (Typical)	270 W	230 W	150 W
Power Consumption - Standby Mode	<0.5 W		
PHYSICAL SPECIFICATIONS			
Bezel Width (L/R, T/B)	29.7 mm / 29.7 mm	29.7 mm / 29.7 mm	23.0 mm / 23.0 mm
Dimensions (Without Stand; W x H x D)	2,058.4 x 1,186.4 x 123.2 mm	1,836.2 x 1,061.3 x 86.9 mm	1,587.0 x 919.6 x 86.9 mm
Packaging Dimensions (W x H x D)	2,366 x 1,502 x 450 mm	2,063 x 1,391 x 360 mm	1,738 x 1,153 x 318 mm
Net Weight (Without Stand)	81.0 kg	62.2 kg	46.7 kg
Gross Weight (With Box)	105.9 kg	79.7 kg	60.7 kg
VESA Hole Configuration	400 x 400 mm (M8, 4 holes)		
ENVIRONMENTAL CONDITIONS			
Operating Temperature	0 to 40°C		
Operating Humidity	20 to 80 % (Without Condensation)		
ACCESSORIES			
Included	Power cord, DVI-D cable, Wireless remote control, Batteries, Setup manual, Clamp, Screw with washer, CD-ROM		
Optional	Please see the chart below		

Terminals



Dimensions



Options

	Slot Board							Stand	Speaker
	OPS-Single Board Controller (Computer)				SDI Board		HDBaseT		
	Core i5 60GB-SSD	Core i5 320GB-HDD	Core i5-520E	Celeron P4505	3G-SDI	HD-SDI			
Model number	N8000-8866	N8000-8865	N8000-8830	N8000-8822	SB-04HC	SB-01HC	SB-07BC	ST-801	SP-RM1 SP-TF1

Local options: please contact your supplier.

Value Signage

V801 / V652 / V552 / V463 / V423 / V323-2

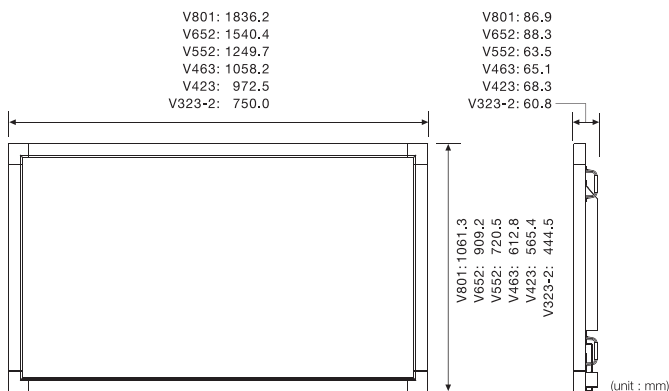


Model	V801	V652	V552	V463	V423	V323-2
LCD MODULE						
Viewable Size (Diagonal)	80"	65"	55"	46"	42"	31.5"
Panel Technology	UV ² A	AMVA3			S-IPS	IPS
Native Resolution	1,920 x 1,080					
Pixel Pitch	0.923 mm	0.744 mm	0.630 mm	0.530 mm	0.485 mm	0.364mm
Brightness (Typical *1 / Maximum)	320 cd/m ² / 460 cd/m ²	320 cd/m ² / 450 cd/m ²		350 cd/m ² / 500 cd/m ²	320 cd/m ² / 450 cd/m ²	
Contrast Ratio (Typical *1)	5,000:1	4,000:1			1,300:1	
Active Screen Area (W X H)	1,771.2 x 996.3 mm	1,428.5 x 803.5 mm	1,209.6 x 680.4 mm	1,018.1 x 572.7 mm	930.2 x 523.3 mm	698.4 x 392.9 mm
Response Time (Typical)	6 ms (G to G)	8 ms (G to G)	6.5 ms (G to G)		12 ms (G to G)	-
Back Light Technology	LED					
CONNECTIVITY						
Input Terminals	Computer/Component	5 BNC			Mini D-sub 15pin	
	HDMI	HDMI				
	DisplayPort	DisplayPort				
	S-Video	5 BNC			Mini D-sub 15pin	
	Video	DVI-D				
	Audio1	Stereo Mini Jack				
	Audio2	HDMI				
	Audio3	DisplayPort				
Output Terminals	Video	DVI-D				
	Audio	Stereo Mini Jack				
External Control	RS-232C in / out for multiple monitor control, Ethernet, IR, DDC / CI					
Speaker Output	External Speakers	15 W + 15 W (8Ω)				-
	Internal Speakers	10 W + 10 W				8W
POWER						
Power Requirement	5.0 to 2.0 A @ 100 to 240 V	4.1 to 1.7 A @ 100 to 240 V	2.7 to 1.1 A @ 100 to 240 V	2.3 to 1.0 A @ 100 to 240 V	2.4 to 1.0 A @ 100 to 240 V	1.6 to 0.65 A @ 100 to 240 V
Power Consumption	Typical Mode	230 W	185 W	100 W	76 W	48 W
	Standby Mode	<0.5 W				
PHYSICAL SPECIFICATIONS						
Bezel Width (L,R / T,B)	29.7 mm / 29.7 mm	53.5 mm / 50.5 mm	18.3 mm / 18.3 mm			24.0 mm / 24.0 mm
Dimensions (Without stand; WxHxD)	1,836.2 x 1,061.3 x 86.9 mm	1,540.4 x 909.2 x 88.3 mm	1,249.7 x 720.5 x 63.5 mm	1,058.2 x 612.8 x 65.1 mm	972.5 x 565.4 x 68.3 mm	750.0 x 444.5 x 60.8 mm
Packaging Dimensions (WxHxD)	2,063 x 1,391 x 360 mm	1,816 x 1,190 x 320 mm	1,430 x 920 x 250 mm	1,260 x 788 x 225 mm	1,140 x 704 x 187 mm	876 x 582 x 172 mm
Net Weight (Without stand)	61.5 kg	52.0 kg	26.5 kg	18.9 kg	16.8 kg	9.5 kg
Gross Weight	79.0 kg	64.0 kg	33.5 kg	23.9 kg	20.3 kg	13.0 kg
VESA Hole Configuration	400 x 400 mm (M8, 4 holes)	400 x 400 mm (M8, 4 holes)	300 x 300 mm (M6, 4 holes)			200 x 200 mm (M6, 4 holes)
ENVIRONMENTAL CONDITIONS						
Operating Temperature	0 to 40 °C					
Operating Humidity	20 to 80 %					
ACCESSORIES						
Included	Power Cord, DVI-D Cable, Wireless Remote Control, Batteries, Setup Manual, CD-ROM (User Manual), Clamp, Thumbscrew for Optional Stand (*2), Screw with Washer, Logo Cover Label, Wall Mount Adapters and Screws					

*1: Factory shipping condition *2: For V552

Dimensions

*The image shows the V652.



Model Number	Slot Boards				Stands				External Speakers	
	N8000-8830	N8000-8822	SB-01HC	SB-04HC	ST-801	ST-651	ST-4620	ST-322	SP-RM1	SP-RM2
V801	✓	✓	✓	✓	✓				✓	
V652	✓	✓	✓	✓		✓			✓	
V552	✓	✓	✓	✓			✓		✓	
V463	✓	✓	✓	✓				✓	✓	
V423	✓	✓	✓	✓				✓		✓
V323-2	✓	✓	✓	✓				✓		

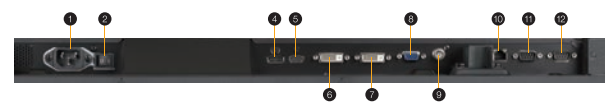
Terminals

V801 / V652 / V552



*The image shows the V652/V552.

V463 / V423



- ① AC IN
- ② Main Power Switch
- ③ RGB/HV IN [R,G,B,H,V] (BNC)*
- ④ DISPLAYPORT IN
- ⑤ HDMI IN
- ⑥ DVI-D IN
- ⑦ DVI-D OUT
- ⑧ VGA IN (Mini D-Sub 15 pin)
- ⑨ VIDEO IN (BNC)
- ⑩ LAN port (RJ-45)
- ⑪ RS-232C IN (D-sub 9 pin)
- ⑫ RS-232C OUT (D-sub 9 pin)
- ⑬ REMOTE IN
- ⑭ AUDIO OUT
- ⑮ AUDIO IN 1
- ⑯ External speaker terminals
- ⑰ Internal/External speaker switch

*Only for V652

V323-2



- ① AC IN connector
- ② Main Power Switch
- ③ LAN port (RJ-45)
- ④ RS-232C (D-Sub 9 pin)
- ⑤ REMOTE IN
- ⑥ AUDIO OUT
- ⑦ AUDIO IN 1
- ⑧ VGA IN (mini D-Sub 15 pin)
- ⑨ Option board slot
- ⑩ DISPLAYPORT connector To input DisplayPort signals.
- ⑪ HDMI connector To input digital HDMI signals.
- ⑫ DVI connector (DVI-D) IN connector OUT connector

Value Signage

V554 / V484 / V404



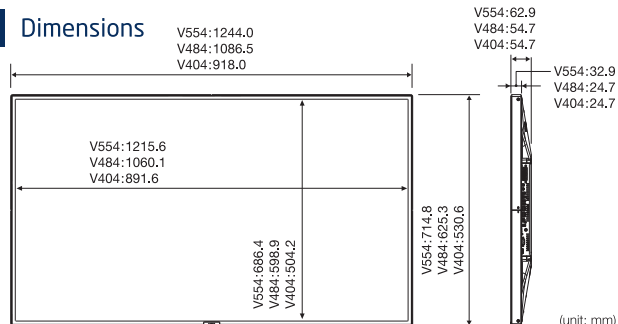
V554

V484

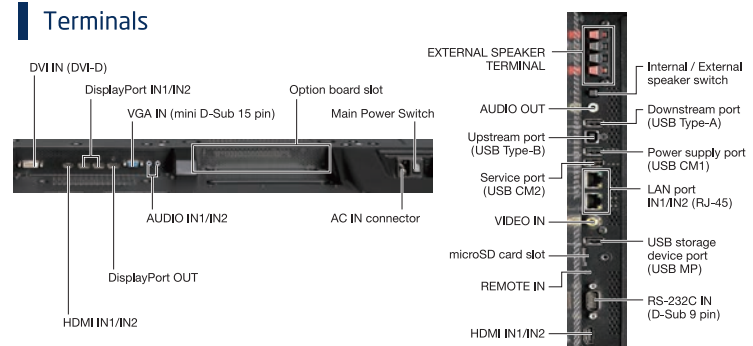
V404

Model		V554	V484	V404
LCD MODULE				
Viewable size (diagonal)		55" / 1,387.8 mm	48" / 1,209.4 mm	40" / 1,016.1 mm
Active screen area (W × H)		1,209.6 × 680.4 mm	1,054.1 × 592.9 mm	885.6 × 498.2 mm
Panel technology		IPS	SVA	
Native resolution		1,920 × 1,080		
Brightness (factory setting / maximum)		350 / 500 cd/m ² in V-series		
Contrast ratio (typical)		1,200:1 (Native contrast)	4,000:1 (Native contrast)	
Viewing angle [°]		178 horizontal / 178 vertical (at CR>10)		
Response time (typical)		8 ms (G to G)		
Backlight		Edge LED backlight		
CONNECTIVITY				
Input terminals	DisplayPort	DisplayPort × 2		
	HDMI	HDMI × 2		
	DVI	DVI-D × 1		
	VGA	Mini D-sub 15 pin × 1		
	Video	RCA × 1		
	Audio	Digital: HDMI × 2, DisplayPort × 2, Analog: 3.5 mm stereo mini jack × 2		
Output terminals	DisplayPort	DisplayPort × 1		
	Audio	3.5 mm stereo mini jack × 1		
External control	RS232C	D-Sub 9 pin × 1		
	Ethernet	RJ-45 10BASE-T / 100BASE-TX × 2 (In/out)		
	Remote in	3.5 mm stereo mini jack × 1		
	Remote out	Possible via Ethernet		
	DDC/CI	Mini D-sub 15 pin / DVI-D		
USB Hub	Upstream	USB Type B × 1		
	Downstream	USB Type A × 1		
	Power supply	USB Type A 5V / 2A × 1		
	Media player	USB Type A × 1		
	Service	USB Type A × 1		
Option slots	Expansion slots	Open pluggable specification (NEC / Intel OPS standard) × 1, micro SD card × 1, interface extension × 1		
Speaker output	External speakers	15 W + 15 W (8 Ω)		
	Internal speakers	10 W + 10 W		
POWER				
Power requirement (100 - 240 V)		3.6 – 1.5 A / 3.3 – 1.4 A	3.1 – 1.2 A / 2.7 – 1.1 A	2.9 – 1.2 A / 2.7 – 1.1 A
Power consumption (typical)		125 W / 110 W	105 W / 85 W	92 W / 75 W
Power consumption (standby mode)		0.5 W		
PHYSICAL SPECIFICATIONS				
Bezel width (L/R, T/B)		14.2 mm	13.2 mm	13.2 mm
Dimensions (without stands: W × H × D)		1,244.0 × 714.8 × 62.9 mm	1,086.5 × 625.3 × 54.7 mm	918.0 × 530.6 × 54.7 mm
Dimensions (with stands: W × H × D)		1,244.0 × 744.8 / 764.8 × 267.7 mm	1,086.5 × 655.3 / 675.3 × 267.7 mm	918.0 × 560.6 / 580.6 × 267.7 mm
Packaging dimensions (W × H × D)		1,430 × 920 × 250 mm	1,260 × 810 × 225 mm	1,067 × 697 × 202 mm
Net weight (without stands)		24.6 kg	17.6 kg	14.3 kg
Gross weight (with box)		33.0 kg	24.8 kg	18.3 kg
VESA compatible mounting interface		300 × 300 mm (M6, 4 holes)		
Supported orientations		Landscape, Portrait		
ENVIRONMENTAL CONDITIONS				
Operating temperature		0°C to 40°C		
Operating humidity		20% to 80% (without condensation)		
ADDITIONAL FEATURES				
Operating hours		24 / 7		
Sensors	Ambient light sensor	Integrated, triggered actions programmable		
	Motion sensor	Optional, external, 4 – 5 m range, triggered actions programmable		
	Temperature sensor	Integrated, 3 sensors, triggered actions programmable		
	NFC sensor	Integrated, 2 – cm range, free NEC Android App required		
ACCESSORIES				
Included		Power cord, DVI-D cable, IR remote control, batteries, setup manual, clamp and screw × 1, wall mount adapter sleeve × 4, wall mount screw × 4, SD-card cover and screw × 1, CD-ROM		

Dimensions



Terminals



Options

	Slot Board							Raspberry Pi Interface Kit	Sensor Kit Human (Motion), ambient light IR remote	Speaker	Stand	Wireless MultiPresenter Stick
	OPS-Single Board Controller (Computer)		HDBaseT	HDMI and DisplayPort	SDI							
	Core i5 60GB-SSD	Core i5 320GB-HDD			Quad-SDI	3G-SDI	HD-SDI					
V554	N8000-8866	N8000-8865	SB-07BC	SB-08DC	SB-09BC	SB-04HC	SB-01HC	DS1-1F10CE	KT-RC2	SP-TF1	ST-401	MP10RX
V484												
V404												

Professional Signage

P554 / P484 / P404



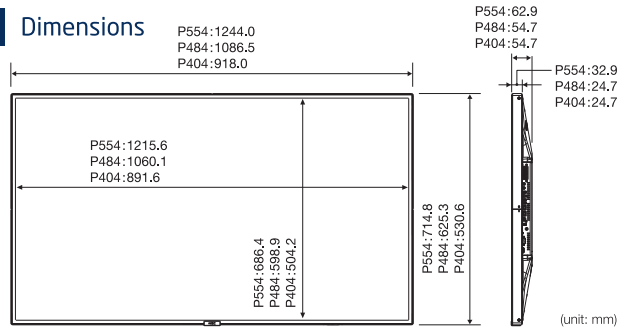
P554

P484

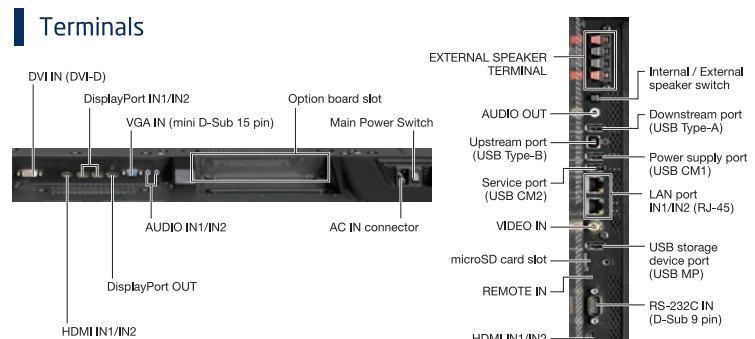
P404

Model		P554	P484	P404
LCD MODULE				
Viewable size (diagonal)		55"/ 1,387.8 mm	48"/ 1,209.4 mm	40"/ 1,016.1 mm
Active screen area (W × H)		1,209.6 × 680.4 mm	1,054.1 × 592.9 mm	885.6 × 498.2 mm
Panel technology		IPS	SVA	
Native resolution		1,920 × 1,080		
Brightness (factory setting / maximum)		500 / 700 cd/m² in P- series		
Contrast ratio (typical)		1,200:1 (Native contrast)	4,000:1 (Native contrast)	
Viewing angle [°]		178 horizontal / 178 vertical (at CR>10)		
Response time (typical)		8 ms (G to G)		
Backlight		Edge LED backlight		
CONNECTIVITY				
Input terminals	DisplayPort	DisplayPort × 2		
	HDMI	HDMI × 2		
	DVI	DVI-D × 1		
	VGA	Mini D-sub 15 pin × 1		
	Video	RCA × 1		
	Audio	Digital: HDMI × 2, DisplayPort × 2, Analog: 3.5 mm stereo mini jack × 2		
Output terminals	DisplayPort	DisplayPort × 1		
	Audio	3.5 mm stereo mini jack × 1		
External control	RS232C	D-Sub 9 pin × 1		
	Ethernet	RJ-45 10BASE-T / 100BASE-TX × 2 (In/out)		
	Remote in	3.5 mm stereo mini jack × 1		
	Remote out	Possible via Ethernet		
	DDC/CI	Mini D-sub 15 pin / DVI-D		
USB Hub	Upstream	USB Type B × 1		
	Downstream	USB Type A × 1		
	Power supply	USB Type A 5V / 2A × 1		
	Media player	USB Type A × 1		
	Service	USB Type A × 1		
Option slots	Expansion slots	Open pluggable specification (NEC / Intel OPS standard) × 1, micro SD card × 1, interface extension × 1		
Speaker output	External speakers	15 W + 15 W (8 Ω)		
	Internal speakers	10 W + 10 W		
POWER				
Power requirement (100 - 240 V)		3.6 – 1.5 A / 3.3 – 1.4 A	3.1 – 1.2 A / 2.7 – 1.1 A	2.9 – 1.2 A / 2.7 – 1.1 A
Power consumption (typical)		125 W / 110 W	105 W / 85 W	92 W / 75 W
Power consumption (standby mode)		0.5 W		
PHYSICAL SPECIFICATIONS				
Bezel width (L/R, T/B)		14.2 mm	13.2 mm	13.2 mm
Dimensions (without stands: W × H × D)		1,244.0 × 714.8 × 62.9 mm	1,086.5 × 625.3 × 54.7 mm	918.0 × 530.6 × 54.7 mm
Dimensions (with stands: W × H × D)		1,244.0 × 744.8 / 764.8 × 267.7 mm	1,086.5 × 655.3 / 675.3 × 267.7 mm	918.0 × 560.6 / 580.6 × 267.7 mm
Packaging dimensions (W × H × D)		1,430 × 920 × 250 mm	1,260 × 810 × 225 mm	1,067 × 697 × 202 mm
Net weight (without stands)		24.6 kg	17.6 kg	14.3 kg
Gross weight (with box)		33.0 kg	24.8 kg	18.3 kg
VESA compatible mounting interface		300 × 300 mm (M6, 4 holes)		
Supported orientations		Landscape, Portrait		
ENVIRONMENTAL CONDITIONS				
Operating temperature		0°C to 40°C		
Operating humidity		20% to 80% (without condensation)		
ADDITIONAL FEATURES				
Operating hours		24 / 7		
Sensors	Ambient light sensor	Integrated, triggered actions programmable		
	Motion sensor	Optional, external, 4 – 5 m range, triggered actions programmable		
	Temperature sensor	Integrated, 3 sensors, triggered actions programmable		
	NFC sensor	Integrated, 2 – cm range, free NEC Android App required		
ACCESSORIES				
Included		Power cord, DVI-D cable, IR remote control, batteries, setup manual, clamp and screw × 1, wall mount adapter sleeve × 4, wall mount screw × 4, SD-card cover and screw × 1, CD-ROM		

Dimensions



Terminals

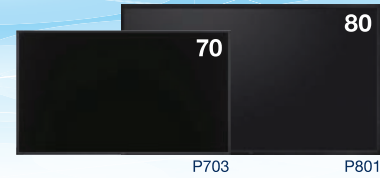


Options

	Slot Board							Raspberry Pi Interface Kit	Sensor Kit Human (Motion), ambient light IR remote	Speaker	Stand	Wireless MultiPresenter Stick
	OPS-Single Board Controller (Computer)		HDBaseT	HDMI and DisplayPort	SDI							
	Core i5 60GB-SSD	Core i5 320GB-HDD			Quad-SDI	3G-SDI	HD-SDI					
P554												
P484	N8000-8866	N8000-8865	SB-07BC	SB-08DC	SB-09BC	SB-04HC	SB-01HC	DS1-1F10CE	KT-RC2	SP-TF1	ST-401	MP10RX
P404												

Professional Signage

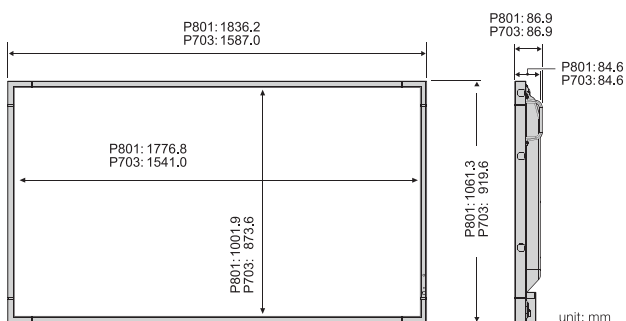
P801 / P703



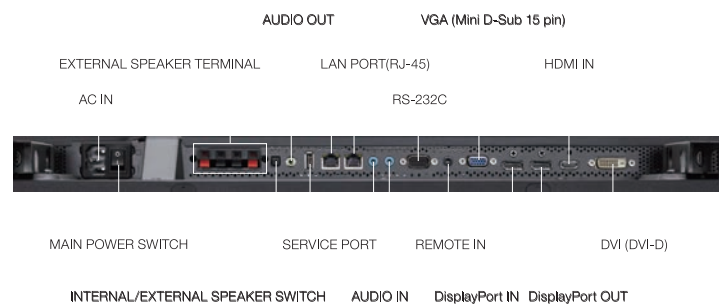
Model	P801	P703
LCD MODULE		
Viewable Size (Diagonal)	80"	70"
Panel Technology	UV²A	
Native Resolution	1920 x 1080	
Pixel Pitch	0.923 mm	0.802 mm
Brightness (Typical/Maximum)	560 cd/m² / 700 cd/m² *1	560 cd/m² / 700 cd/m²
Contrast Ratio (Typical)	5000:1	
Active Screen Area (W x H)	1771.2 x 996.3 mm	1538.9 x 965.6 mm
Response Time (Typical)	4 ms (G to G)	
CONNECTIVITY		
Input Terminals		
	DisplayPort	DisplayPort
	HDMI	HDMI
	DVI	DVI-D
	VGA	Mini D-sub 15 pin
	YPbPr	Mini D-sub 15 pin (Sharing with VGA)
	Audio	Stereo Mini Jack x 2
Output Terminals		
	DisplayPort	DisplayPort
	Audio	Stereo Mini Jack
External Control		
	RS232C in	Mini D-Sub 9 pin
	Ethernet	RJ-45 10/100BASE-T x 2
	External IR in	Stereo Mini Jack
	External IR out	possible via Ethernet
	DDC/CI	Mini D-sub 15 pin / DVI-D
Speaker Output		
	External Speakers	15 W + 15 W (8 Ω)
	Internal Speakers	10 W + 10 W
POWER		
Power Requirement	4.8 A @ 100-120 V, 2.0 A @ 220-240 V	3.6 A @ 100-120 V, 1.6 A @ 220-240 V
Power Consumption (Typical)	235 W	150 W
Power Consumption - standby Mode	<0.5 W	
PHYSICAL SPECIFICATIONS		
Bezel Width (L/R, T/B)	29.7 mm / 29.7 mm	23.0 mm / 23.0 mm
Dimensions (without stand; WxHxD)	1836.2 x 1061.3 x 86.9 mm	1587.0 x 919.6 x 86.9 mm
Packaging Dimensions (WxHxD)	2063.0 x 1391.0 x 360.0 mm	1738.0 x 1153.0 x 318.0 mm
Net Weight (without stand)	61.5 kg	47.0 kg
Gross Weight (with box)	79.0 kg	61.0 kg
VESA Hole Configuration	400 x 400 mm (M8, 4 holes)	
ENVIRONMENTAL CONDITIONS		
Operating Temperature	0-40°C	
Operating Humidity	20-80 % (without condensation)	
ACCESSORIES		
Included	Power cord, DVI-D cable, Wireless remote control, Batteries, Setup manual, Clamps, Screws with washer, Thumbscrews for optional stand*2, CD-ROM	
Optional	Please see the below chart	

*1 This spec is subject to change *2 For P553

Dimensions



Terminals

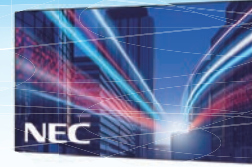


Options

	Slot Board						Stand	Sensor Kit		Speaker	
	OPS-Single Board Controller (Computer)				HD-SDI 3G-SDI	HDBaseT		KT-RC2	KT-RC	SP-TF1	SP-RM1
	N8000-8866	N8000-8865	N8000-8830	N8000-8822							
	Corei5 60GB-SSD	Corei5 320GB-HDD	Corei5-520E	Celeron-P4505	SB-01 HC SB-04HC	SB-07BC					
P801	Yes	Yes	Yes	Yes	Yes	Yes	ST-801	Yes	Yes	Yes	Yes
P703											

Videowall Displays

X464UNS-2 / X464UNV-3



Model		X464UNS-2
LCD MODULE		
Viewable Size (Diagonal)		46" / 1,168mm
Active Screen Area (W x H)		1,018.1 × 572.7 mm
Panel Technology		SVA
Native Resolution		1,920 x 1,080
Brightness (Factory setting / Maximum)		500 / 700 cd/m ²
Contrast Ratio (Typical)		3,500:1 (Native contrast)
Viewing Angle [°]		178 horizontal / 178 vertical (at CR>10)
Response Time (Typical)		8 ms (G to G)
Backlight		Direct LED backlight
CONNECTIVITY		
Input Terminals	DisplayPort	DisplayPort x 1
	HDMI	HDMI x 1
	DVI	DVI-D x 1
	VGA	Mini D-sub 15pin x 1
	Audio	Digital: HDMI x 1, DisplayPort x 1, Analogue: 3.5mm Stereo Mini Jack x 2
Output Terminals	DisplayPort	DisplayPort x 1
	Audio	3.5 mm Stereo Mini Jack x 1
	External Speakers	Speaker terminals for L/R x 1
External Control	RS232C in	D-Sub 9 pin x 1
	Ethernet	RJ-45 10 / 100BASE-T x 2 (In/Out)
	Remote in	3.5 mm Stereo Mini Jack x 1
Service Port		USB Type A x 1
Option Slots	Expansion Slots	Open pluggable specification (NEC / Intel OPS standard) x 1, Interface extension x 1
Speaker Output	External Speakers	15 W + 15 W (8Ω)
POWER		
Power Requirement		3.0 A to 1.2 A @ 100 V to 240 V AC, 50 / 60 Hz
Power Consumption (Typical)		120 W @ default
Power Consumption - Standby Mode		<0.5 W
PHYSICAL SPECIFICATIONS		
Bezel Width		2.3 mm (Left / Top), 1.2mm (Right / Bottom)
Dimensions (without stand: W x H x D)		1,022.0 x 576.6 x 101.7mm
Dimensions (with stand: W x H x D)		1,022.0 x 622.0 x 240.0mm
Packaging Dimensions (W x H x D)		1,217 x 753 x 277mm
Net Weight (without stand)		19.9 kg
Gross Weight (without box)		26.5 kg
VESA Compatible Mounting Interface		300 x 200mm (M6, 4 holes)
Supported Orientation		Landscape, Portrait
ENVIRONMENTAL CONDITIONS		
Operating Temperature		0°C to 40°C
Operating Humidity		20% to 80% (without condensation)
ADDITIONAL FEATURES		
Operating Hours		24 / 7
Sensors	Ambient Light Sensor	Integrated, triggered actions programmable
	Motion Sensor	Optional, external, 4-5mm range, triggered actions programmable
	Temperature Sensor	Integrated, 3 sensors, triggered actions programmable
	NFC Sensor	Integrated, 2-cm range, free NEC Android App required
ACCESSORIES		
Included		CD-ROM (User Guides / Manuals), DisplayPort Cable, LAN cable, Power cord, Clamp x 1, Screw x 1

Model			X464UNV-3
LCD MODULE			46" / 1,168 mm diagonal
Pixel Pitch			0.530 mm
Resolution			1,920 × 1,080
Colours			Over 16 million colours (depending on video card used)
Brightness			500 cd/m ² (Max.), 350 cd/m ² (Factory setting Typ.) @25°C
Contrast Ratio			3,500:1
Viewing Angle			178 (typ) @ CR>10
Frequency			
Horizontal			15.625 / 15.734 kHz, 31.5 kHz - 91.1 kHz (Analog Input) 31.5 kHz (Digital Input)
Vertical			50.0 - 85.0 Hz
Input Signal			
DVI	DVI-D 24pin	Digital RGB	DVI (HDCP) VGA60, SVGA60, XGA60, WXGA60, SXGA60, UXGA60 ^{*1} , 1,920×1,080 (60Hz), 1080p, 1080i
DisplayPort	DisplayPort Connector	Digital RGB	DisplayPort Complies with Standard V1.2, applicable to HDCP V1.3 VGA60, SVGA60, XGA60, WXGA60, SXGA60, UXGA60 ^{*1} , WUXGA60 ^{*1} , 1,920×1,080 (60 Hz), 1080p, 1080i, 720p@50Hz / 60Hz, 576p@50Hz, 480p@60Hz, 576p@60Hz, 480p@60Hz, 3,840×2,160 (30Hz / 24Hz) ^{*1 *4}
VGA ^{*2}	15pin Mini D-sub	Analog RGB	0.7 Vp-p / 75 ohm VGA60, SVGA60, XGA60, WXGA60, SXGA60, UXGA60 [*]
		Sync	Separate: TTL level (Pos./Neg.) Composite sync on Green Video: 0.3 Vp-p Neg.
HDMI	HDMI Connector	Digital YUV Digital RGB	HDMI VGA60, SVGA60, XGA60, WXGA60, SXGA60, UXGA60 ^{*1} , WUXGA60 ^{*1} , 1,920×1,080 (60 Hz), 1080p, 1080i, 720p@50Hz / 60Hz, 576p@50Hz, 480p@60Hz, 576i@50Hz, 480i@60Hz, 3,840×2,160 (30Hz / 24Hz / 25Hz) ^{*1 *4} , 4,096×2,160 (24Hz) ^{*1 *4}
Y / Pb / Pr ^{*2}	15pin Mini D-sub	Component	Y: 1.0 Vp-p / 75ohm, Cb/Cr (Pb / Pr): 0.7 Vp-p / 75 ohm HDTV / DVD: 1080p, 1080i, 720p@50Hz / 60Hz, 576p@50Hz, 480p@60Hz, 576i@50Hz, 480i@60Hz
Output Signal			
DisplayPort	DisplayPort Connector	Digital RGB	DisplayPort Complies with Standard V1.2, applicable to HDCP V1.3
AUDIO			
AUDIO Input	STEREO Mini Jack	Analog Audio	Stereo L / R 0.5 Vrms
	HDMI Connector	Digital Audio	PCM 32, 44.1, 48 kHz (16 / 20 / 24bit)
	DisplayPort Connector	Digital Audio	PCM 32, 44.1, 48 kHz (16 / 20 / 24bit)
AUDIO Output	STEREO Mini Jack	Analog Audio	Stereo L / R 0.5 Vrms
Speaker Output			External Speaker Jack 15 W + 15 W (8 ohm)
Control			
RS-232C In			9 Pin D-sub
LAN			RJ-45 10 / 100 BASE-T
Remote IN			Stereo Mini jack 3.5ø
Service port			USB service port for maintenance
Power Supply			2.6 A to 1.1 A @ 100 to 240 V AC, 50 / 60 Hz
Operational Environment			
Temperature ^{*3}			0°C to 40°C / 32°F to 104°F
Humidity			20 % to 80 % (without condensation)
Dimension (without stand)			1,024.0 (W) × 578.6 (H) × 117.3 (D) mm
Weight (without stand)			22.8 kg
VESA compatible mounting interface			300 mm × 300 mm (M6, 4 Holes)
Power Management			VESA DPM
Plug & Play			VESA DDC2B, DDC / CI, DisplayPort
Power supply for Slot 2 type OPTION			16 V / 3.6 A
Accessories			
			Setup manual, Power Cord, Video Signal cable (DisplayPort to DisplayPort cable), LAN cable, Clamp × 1, Screw × 1, CD-ROM

*1: Compressed image. *2: Common terminal. *3: When you use option board accessories, please contact your supplier for detailed information. *4: Displayed text may be blurred.

Options

Slot Board

OPS-Single Board Controller (Computer)

Core i5 60GB-SSD520E **N8000-8866**
Core i5 320GB-HDD520E **N8000-8865**

SDI

HD-SDI **SB-01HC**
3G-SDI **SB-04HC**

HDBaseT **SB-07BC**

Interface Extension Board

Digital Video **SB3-DB1**

Analog Video **SB3-AB1**

Analog Video **SB3-AB2**
(5 × BNC)

Sensor Kit

Human (Motion) / Ambient Light / IR Remote **KT-RC2**
Ambient Light / IR Remote **KT-RC**

Stand

ST-322

Speaker

SP-RM1 **SP-TF1**

Wall Mount Kit

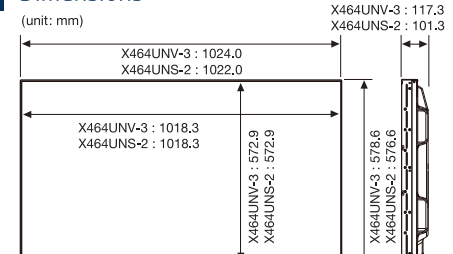
Landscape **WM-46UN-L3**

Portrait **WM-46UN-P2**

Over Frame Kit

KT-46UN-OF5

Dimensions



Videowall Displays

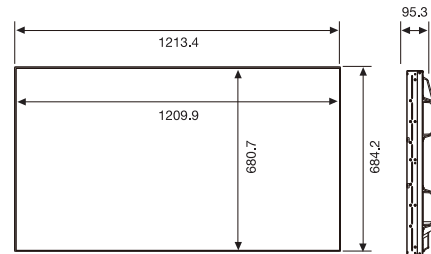
X555UNS / X555UNV



Model		X555UNS	X555UNV
LCD MODULE			
Viewable Size (Diagonal)		55" / 1,388 mm	
Active Screen Area (W×H)		1,209.6 × 680.4 mm	
Panel Technology		IPS	
Native Resolution		1,920 × 1,080	
Brightness (Factory setting / Maximum)		500 / 700 cd/m²	350 / 500 cd/m²
Contrast Ratio (Typical)		1,200:1 (Native contrast t)	
Viewing Angle [°]		178 horizontal / 178 vertical (at CR>10)	
Response Time (Typical)		12 ms (G to G)	
Backlight		Direct LED backlight with local dimming	
CONNECTIVITY			
Input Terminals	DisplayPort	DisplayPort × 1	
	HDMI	HDMI × 1	
	DVI	DVI-D × 1	
	VGA	Mini D-sub 15pin × 1	
	Audio	Digital: HDMI × 1, DisplayPort × 1, Analogue: 3.5 mm Stereo Mini Jack × 2	
Output Terminals	DisplayPort	DisplayPort × 1	
	Audio	3.5 mm Stereo Mini Jack × 1	
	External Speakers	Speaker terminals for L/R × 1	
External Control	RS232C in	D-Sub 9 pin × 1	
	Ethernet	RJ-45 10/100BASE-T × 2 (In/out)	
	Remote in	3.5 mm Stereo Mini Jack × 1	
Service Port		USB Type A × 1	
Option Slots	Expansion Slots	Open pluggable specification (NEC / Intel OPS standard) × 1, Interface extension × 1	
Speaker Output	External Speakers	15 W + 15 W (8 Ω)	
POWER			
Power Requirement		4.4 A to 1.6 A @ 100 V to 240 V AC, 50 / 60 Hz	3.4 A to 1.2 A @ 100 V to 240 V AC, 50 / 60 Hz
Power Consumption (Typical)		205 W @ default	140 W @ default
Power Consumption - standby Mode		<0.5 W	
PHYSICAL SPECIFICATIONS			
Bezel Width		2.3 mm (top and left), 1.2 mm (bottom and right)	
Dimensions (without stand: W×H×D)		1,213.4 × 684.2 × 95.3 mm	
Dimensions (with stand: W×H×D)		1,213.4 × 728.8 × 400.0 mm	
Packaging Dimensions (W×H×D)		1,430 × 863 × 285 mm	
Net Weight (without stand)		29.5 kg	
Gross Weight (with box)		37 kg	
VESA Compatible Mounting Interface		400 × 400 mm (M6, 4 holes)	
Supported Orientation		Landscape, Portrait	
ENVIRONMENTAL CONDITIONS			
Operating Temperature		0°C to 40°C	
Operating Humidity		20% to 80% (without condensation)	
ADDITIONAL FEATURES			
Operating Hours		24 / 7	
Sensors	Ambient Light Sensor	Integrated, triggered actions programmable	
	Motion Sensor	Optional, external, 4 – 5 m range, triggered actions programmable	
	Temperature Sensor	Integrated, 3 sensors, triggered actions programmable	
	NFC Sensor	Integrated, 2-cm range, free NEC Android App required	
ACCESSORIES			
Included		CD-ROM (User Guides / Manuals), DisplayPort Cable, LAN cable, Power cord, Wireless remote control with batteries, Thumbscrews for optional stand, Clamps, Screws	

Dimensions

(unit: mm)



Options

Slot Board

OPS-Single Board Controller (Computer)

Corei5-520E **N8000-8830**
Celeron-P4505 **N8000-8822**



SDI

HD-SDI **SB-01HC**
3G-SDI **SB-04HC**



HDBaseT **SB-07BC**



Interface Extension Board

Digital Video **SB3-DB1**



Analog Video **SB3-AB1**



Analog Video **SB3-AB2** (5 x BNC)



Sensor Kit

Human (Motion) / Ambient Light / IR Remote

KT-RC2

Ambient Light / IR Remote

KT-RC



Wall Mount Kit

Landscape **WM-55UN-L**
Portrait **WM-55UN-P**



Over Frame Kit

KT-55UN-OF2



Stand

ST-5220



Speaker

SP-RM1

SP-TF1



Videowall Displays

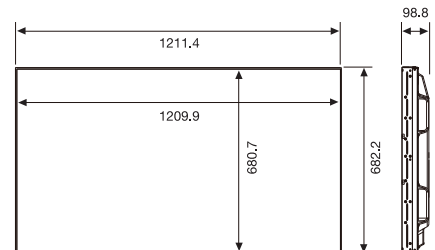
UN551S / UN551VS



Model		UN551S	UN551VS
LCD MODULE			
Viewable Size (Diagonal)		55" / 1,388 mm	
Active Screen Area (W x H)		1,209.6 x 680.4 mm	
Panel Technology		IPS	
Native Resolution		1,920 x 1,080	
Brightness (Factory setting / Maximum)		500 / 700 cd/m ²	350 / 500 cd/m ²
Contrast Ratio (Typical)		1,200:1 (Native contrast t)	
Viewing Angle [°]		178 horizontal / 178 vertical (at CR>10)	
Response Time (Typical)		12 ms (G to G)	
Backlight		Direct LED backlight with local dimming	
CONNECTIVITY			
Input Terminals	DisplayPort	DisplayPort x 1	
	HDMI	HDMI x 1	
	DVI	DVI-D x 1	
	VGA	Mini D-sub 15pin x 1	
	Audio	Digital: HDMI x 1, DisplayPort x 1, Analogue: 3.5 mm Stereo Mini Jack x 2	
Output Terminals	DisplayPort	DisplayPort x 1	
	Audio	3.5 mm Stereo Mini Jack x 1	
	External Speakers	Speaker terminals for L / R x 1	
External Control	RS232C in	D-Sub 9 pin x 1	
	Ethernet	RJ-45 10/100BASE-T x 2 (In/out)	
	Remote in	3.5 mm Stereo Mini Jack x 1	
Service Port		USB Type A x 1	
Option Slots	Expansion Slots	Open pluggable specification (NEC / Intel OPS standard) x 1, Interface extension x 1	
Speaker Output	External Speakers	15 W + 15 W (8 Ω)	
POWER			
	Power Requirement	4.4 A to 1.6 A @ 100 V to 240 V AC, 50 / 60 Hz	3.4 A to 1.2 A @ 100 V to 240 V AC, 50 / 60 Hz
	Power Consumption (Typical)	180 W @ default	140 W @ default
	Power Consumption-standby Mode	<0.5 W	
PHYSICAL SPECIFICATIONS			
Bezel Width		0.9 mm inactive border	
Dimensions (without stand: W x H x D)		1,211.4 x 682.2 x 98.8 mm	
Dimensions (with stand: W x H x D)		1,211.4 x 727.3 x 400.0 mm	
Packaging Dimensions (W x H x D)		1,430 x 863 x 285 mm	
Net Weight (without stand)		26.0 kg	
Gross Weight (with box)		32.5 kg	
VESA Compatible Mounting Interface		400 x 400 mm (M6, 4 holes)	
Supported Orientation		Landscape, Portrait	
ENVIRONMENTAL CONDITIONS			
Operating Temperature		0°C to 40°C	
Operating Humidity		20% to 80% (without condensation)	
ADDITIONAL FEATURES			
Operating Hours		24 / 7	
Sensors	Ambient Light Sensor	Integrated, triggered actions programmable	
	Motion Sensor	Optional, external, 4 – 5 m range, triggered actions programmable	
	Temperature Sensor	Integrated, 3 sensors, triggered actions programmable	
	NFC Sensor	Integrated, 2-cm range, free NEC Android App required	
ACCESSORIES			
Included		CD-ROM (User Guides / Manuals), DisplayPort Cable, LAN cable, Power cord, Thumbscrews for optional stand, Clamps, Screws, Panel spacers, Panel location guide pins	

Dimensions

(unit: mm)



Options

Slot Board

OPS-Single Board Controller (Computer)

Core i5 60GB-SSD520E **N8000-8866**
Core i5 320GB-HDD520E **N8000-8865**



SDI

HD-SDI **SB-01HC**
3G-SDI **SB-04HC**



HDBaseT **SB-07BC**



Interface Extension Board

Digital Video **SB3-DB1**



Analog Video **SB3-AB1**



Analog Video **SB3-AB2**
(5 x BNC)



Sensor Kit

Human (Motion) / Ambient Light / IR Remote
KT-RC2
Ambient Light / IR Remote
KT-RC



Wall Mount Kit

Landscape **WM-55UN-L**
Portrait **WM-55UN-P**



Over Frame Kit

KT-55UN-OF4



Stand

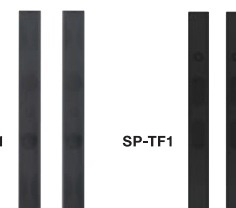
ST-5220



Speaker

SP-RM1

SP-TF1



Ultra High Definition Displays

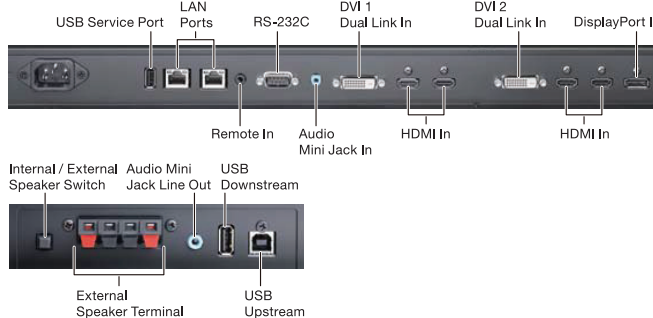
X981UHD-2 / X841UHD-2 / X651UHD-2 / X551UHD



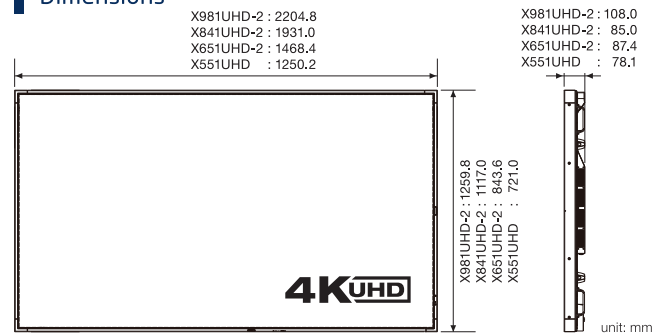
Model	X981UHD-2		X841UHD-2		X651UHD-2		X551UHD		
LCD MODULE									
Viewable Size (Diagonal)		98"		84"		64.5"		54.6"	
Active Screen Area (W × H)		2,158.8 × 1,214.4 mm		1,860.5 × 1,046.5 mm		1,428.5 × 803.5 mm		1,209.6 × 680.4 mm	
Panel Technology		IPS							
Native Resolution		3,840 × 2,160 at 60 Hz							
Brightness (Typical / Maximum)		380 / 500 cd/m ²		380 / 500 cd/m ²		320 / 450 cd/m ²		400 / 500 cd/m ²	
Contrast Ratio (Typical)		1,300:1		1,400:1		1,300:1		4,000:1	
Viewing Angle [°]		178 horizontal / 178 vertical (at contrast ratio 10:1)							
Response Time (Typical)		8 ms (G to G)		12 ms (G to G)		8 ms (G to G)		6 ms (G to G)	
CONNECTIVITY									
Input Terminals		DisplayPort							
		HDMI							
		DVI							
		Audio							
Output Terminals		Digital: HDMI × 4, DisplayPort × 1, Analogue: 3.5 mm Stereo Mini Jack × 1							
		3.5 mm Stereo Mini Jack × 1							
External Control		External Speakers							
		Speaker terminals for L / R × 1							
		RS232C in							
		Mini D-Sub 9 pin × 1							
USB Hub		Ethernet							
		RJ-45 10 / 100BASE-T × 1							
OPS Option Slot		Remote in							
		3.5 mm Stereo Mini Jack × 1							
Speaker Output		Upstream							
		USB 2.0 Type B (Max. 0.5 A) × 1							
Internal Speakers		Downstream							
		USB 2.0 Type A (Max. 0.5 A) × 1							
Internal Speakers		Slot Technology							
		Open pluggable specification (NEC / Intel OPS standard) × 1							
Internal Speakers		External Speakers							
		15 W + 15 W (8 Ω)							
Internal Speakers		Internal Speakers							
		10 W + 10 W							
POWER									
Power Requirement		7.7 to 3.0 A @ 100 to 240 V		6.7 to 2.7 A @ 100 to 240 V		3.6 to 1.4 A @ 100 to 240 V		3.6 to 1.4 A @ 100 to 240 V	
Power Consumption (Typical)		420 W		380 W		150 W		150 W	
Power Consumption - standby Mode		<0.5 W							
PHYSICAL SPECIFICATIONS									
Bezel Width		19.9 mm		32.6 mm		17.5 mm		18.5 mm	
Dimensions (without stand: W × H × D)		2,204.8 × 1,259.8 × 108.0 mm		1,931.0 × 1,117.0 × 85.0 mm		1,468.4 × 843.6 × 87.4 mm		1,250.2 × 721.0 × 78.1 mm	
Dimensions (with stand: W × H × D)		2,204.8 × 1,297.4 × 606.0 mm		1,931.0 × 1,154.2 × 606.0 mm		1,468.4 × 879.1 × 512.0 mm		1,250.2 × 760.5 × 400.0 mm	
Packaging Dimensions (W × H × D)		2,355 × 1,454 × 400 mm		2,157 × 1,290 × 360 mm		1,736 × 1,054 × 320 mm		1,430 × 920 × 250 mm	
Net Weight (without stand)		90.6 kg		70.5 kg		42.0 kg		28.7 kg	
Gross Weight (with box)		117.0 kg		90.5 kg		55.6 kg		35.7 kg	
VESA Hole Configuration		400 × 400 mm (M8, 4 holes)							
Supported Orientation		Landscape, Portrait							
ENVIRONMENTAL CONDITIONS									
Operating Temperature		0 to 40°C							
Operating Humidity		20 to 80 % (without condensation)							
ADDITIONAL FEATURES									
Operating Hours		24/7							
Sensors		Ambient Light Sensor							
		Integrated, triggered actions programmable							
		Motion Sensor							
		Optional, external, 4 – 5 m range, triggered actions programmable							
NFC Sensor		Temperature Sensor							
		Integrated, 3 sensors, triggered actions programmable							
NFC Sensor		Integrated, 2-cm range, free NEC Android App required							
		Integrated, 2-cm range, free NEC Android App required							
ACCESSORIES									
Included		CD-ROM (User Guides / Manuals), DisplayPort Cable, Mini DisplayPort to DisplayPort cable, Power cord, Wireless remote control with batteries, Thumbscrews for optional stand ^{*1} , Clamp ^{*2} , Screw with washer ^{*3}							
Optional		Please see the below chart							

*1: X551UHD only, *2*3: x3 X551UHD

Terminals



Dimensions



Options

	Slot Board							Stand	Speaker	Sensor Kit	HDBaseT Interface Selector
	OPS-Single Board Controller (Computer)		SDI Board			HDMI DisplayPort 1.2	HDBaseT			Motion, Ambient light IR Remote	
	Core i5 60GB-SSD	Core i5 320GB-HDD	Quad-SDI	3G-SDI	HD-SDI						
X981UHD-2	N8000-8866	N8000-8865	SB-09HC*	SB-04HC	SB-01HC	SB-08DC*	SB-07BC	ST-801	SP-RM1 SP-TF1	KT-RC2	NP01SW
X841UHD-2								ST-651			
X651UHD-2								ST-5520			
X551UHD											

* Up to 4K 60Hz

Local options: please contact your supplier.

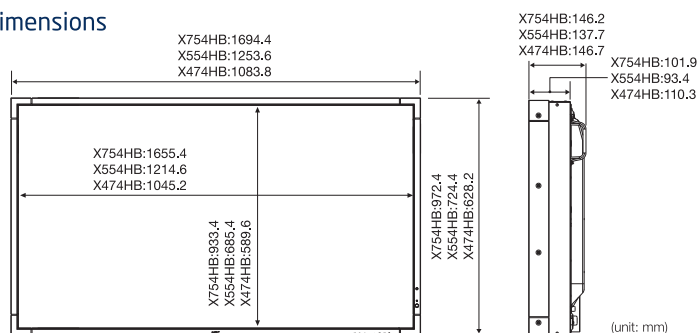
High Bright Displays

X754HB / X554HB / X474HB

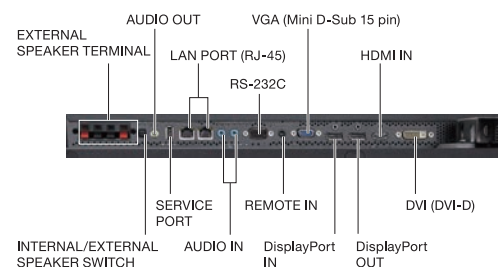


Model		X754HB	X554HB	X474HB
LCD MODULE				
Viewable size (diagonal)		74.5"/ 1,893 mm	54.6"/ 1,388 mm	47"/ 1,193 mm
Active screen area (W × H)		1,650.2 × 928.3 mm	1,209.6 × 680.4 mm	1039.7 × 584.8 mm
Panel technology		S-PVA		IPS
Native resolution		1,920 × 1,080		
Brightness (factory setting / maximum)		1,750 / 2,500 cd/m²	2,000 / 2,700 cd/m²	1,400 / 2,000 cd/m²
Contrast ratio (typical)		5,000:1 (Native contrast)		1,300:1 (Native contrast)
Viewing angle [°]		178 horizontal / 178 vertical (at CR>10)		
Response time (typical)		6 ms (G to G)		10 ms (G to G)
Backlight		Direct LED backlight		
CONNECTIVITY				
Input terminals	DisplayPort	DisplayPort × 1		
	HDMI	HDMI × 1		
	DVI	DVI-D × 1		
	VGA	Mini D-sub 15pin × 1		
	Audio	Digital: HDMI × 1, DisplayPort × 1, Analog: 3.5 mm Stereo mini jack × 2		
Output terminals	DisplayPort	DisplayPort × 1		
	Audio	3.5 mm Stereo Mini Jack × 1		
External control	RS232C	D-Sub 9 pin × 1		
	Ethernet	RJ-45 10 / 100BASE-T × 2 (In/out)		
	Remote in	3.5 mm Stereo Mini Jack × 1		
	Remote out	Possible via Ethernet		
	DDC/CI	Mini D-sub 15 pin / DVI-D		
Service port		USB Type A × 1		
Option slots		Open pluggable specification (NEC / Intel OPS standard) x 1, Interface extension x 1		
Speaker output	External speakers	15 W + 15 W (8 Ω)		
	Internal speakers	10 W + 10 W		
POWER				
Power requirement		9.7 A @ 100-120 V, 3.4 A @ 220-240 V	6.3 A @ 100-120 V, 2.4 A @ 220-240 V	4.2 A @ 100-120 V, 1.7 A @ 220-240 V
Power consumption (typical)		540 W	310 W	190 W
Power consumption (standby mode)		< 0.5 W		
PHYSICAL SPECIFICATIONS				
Bezel width (L/R, T/B)		19.5 mm	19.5 mm	19.3 mm
Dimensions (without stands: W × H × D)		1,694.4 × 972.4 × 146.2 mm	1,253.6 × 724.4 × 137.7 mm	1083.8 × 628.2 × 151.5 mm
Dimensions (with stands and handles: W × H × D)		1,694.4 × 1,009.6 × 606.0 mm	1,253.6 × 760.7 × 400.0 mm	1083.8 × 628.2 × 146.7 mm
Packaging dimensions (W × H × D)		1,844 × 1,310 × 376 mm	1,470 × 965 × 430 mm	1260 × 804 × 320 mm
Net weight (without stands)		57.9 kg	32.6 kg	26.5 kg
Gross weight (with box)		74.9 kg	42.2 kg	33.5 kg
VESA compatible mounting interface		400 × 400 mm (M8, 4 holes)		300 × 300 mm (M6, 4 holes)
Supported orientation		Landscape, Portrait		
ENVIRONMENTAL CONDITIONS				
Operating temperature		0°C to 40°C		
Operating humidity		20% to 80% (without condensation)		
ADDITIONAL FEATURES				
Operating hours		24 / 7		
Sensors	Ambient light sensor	Integrated, triggered actions programmable		
	Motion sensor	Optional, external, 4–5 m range, triggered actions programmable		
	Temperature sensor	Integrated, 3 sensors, triggered actions programmable		
	NFC sensor	Integrated, 2-cm range, free NEC Android App required		
ACCESSORIES				
Included		Power cord, DVI-D cable, IR remote control, Batteries, Setup manual, Clamp, Screw with washer, CD-ROM	Power cord, DVI-D cable, IR remote control, Batteries, Setup manual, Clamp × 3, Screw with washer × 3, Thumbscrew for optional stand × 2, CD-ROM	

Dimensions



Terminals



Options

	Slot Board								Stand	Sensor Kit		Speaker
	OPS-Single Board Controller (Computer)		SDI		HDBaseT	Interface Extension Board				Human (Motion), Ambient light IR Remote	Ambient light IR Remote	
	Core i5 60GB-SSD	Core i5 320GB-HDD	3G-SDI	HD-SDI		Analog video	Analog video (5 x BNC)	Digital video				
X754HB	N8000-8866	N8000-8865	SB-04HC	SB-01HC	SB-07BC	SB3-AB1	SB3-AB2	SB3-DB1	ST-801	KT-RC2	KT-RC	SP-RM1 SP-TF1
X554HB									ST-5220			
X474HB									ST-4620			

Local options: please contact your supplier.

Videowall Solutions



Hiperwall Videowall Solutions

As a world leading name in Digital Signage, NEC displays are installed in some of the most challenging and highly visible locations and venues around the world — with a choice of displays tailored to suit a wide range of applications and demands. NEC Public Displays are designed to perform reliably over the long term. Our 24/7 displays are best suited for Videowall operations.

Videowall Content and Source Management

Hiperwall is an ultra-high resolution software package for an endless number of displays which is scalable in size and eliminates costly servers, matrix switches and distributors. It enables customers to connect an infinite number of sources to a videowall and freely determine size and position of this content.

Hiperwall also provides advanced capabilities like zoom, rotation, shading and transparency, enabling users to examine content with increased flexibility and effectiveness. Content can be saved as environments and restored on demand, grouped into slideshows, or scheduled to appear at the present time.

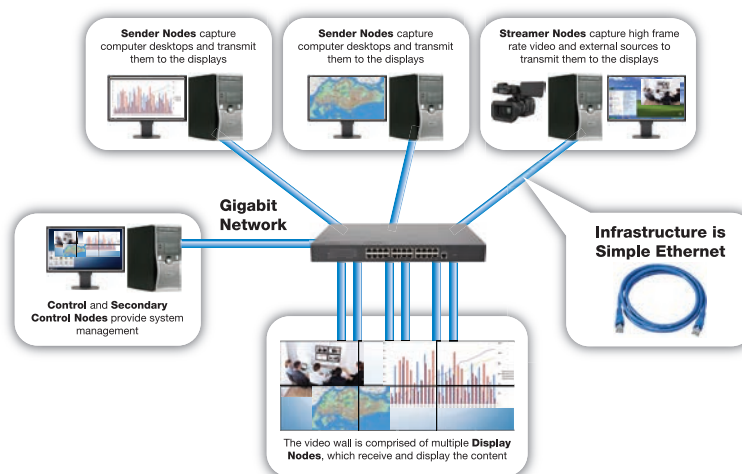


Ultimate Versatility And Performance

Hiperwall can simultaneously display a comprehensive range of media types including:

- Very high-resolution images – over a gigabyte in file size
- Images of differing file formats
- HD movie files
- Live streaming data from a computer
- Live streaming data from a peripheral device e.g. video camera

Hiperwall System Components

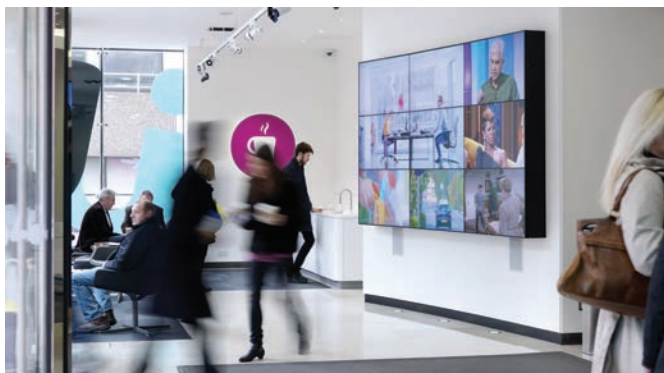


Digital Signage Solutions



NECLive Digital Signage Solution

NEC's digital signage solutions let you distribute dynamic video, images, text and more directly to displays anywhere, anytime, being empowered to dynamically display digital advertising and informative content across your network on targeted screens, based on the individual schedules for each panel.



NECLive digital signage solutions have an easy to use interface, yet the power and flexibility that is only limited by your imagination to achieve your communication objectives with your target audience — with a suite of Windows based applications that allow you to create compelling content, then schedule and distribute that content across small or large scale networks of display panels. From eye-catching advertisements and in-store promotions, to breaking news and announcements and up-to-the-minute timetables and schedules — the possibilities and different environments that can benefit from an NEC digital signage solution.



World-class content creation, scheduling, distribution and playback of interactive and reactive media

- NECLive content creation tools enable you to create digital signage content consisting of one or more scenes which contain text, pictures, video and external data feeds such as RSS feeds for scheduling and playback.
- Creating a scene is simply a drag and drop experience with advanced special effects, including the integration of information from company information systems to enhance the ability to gain the attention of your target audience.
- Working with objects such as videos, text, tickers and sound. The content creator drags and drops the objects for further customization such as position, transparency, shadow and gradients.

Touch and Interactive Solutions



Touch & Interactive Solution

In a world where mobility is a social norm, the demands on interconnectivity are growing. At NEC, we enjoy helping clients across a wide range of industries discover the value of interactivity. With our broad technological expertise and deep industry knowledge, we develop complete interactive solutions that bridge distances to open up a world of enriching, engaging and effective experiences.

NEC Interactive White Board Solution

Wall-mounted hardware that equips regular projectors with advanced data interactivity, which turns regular whiteboards into an interactive workspace.

DisplayNote NEC Edition

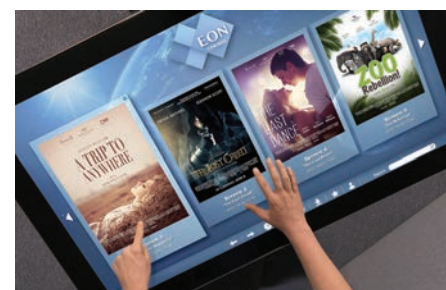
Highly flexible collaborative technology which allows presenters and participants to connect to the same session using individual devices, and supports real-time sharing, annotating, collaborating and voting.

MultiPresenter Stick

The simple connective device for multi-screen projection and display which allows for the sharing of screens of multiple devices on various split-screen displays up to 50 devices on a multi-screen display of up to 16 screens.

Touch Interactive Presentation

Create amazing presentations with the power of touch. The software is designed to leverage the power of touch by making presentations more efficient and engaging. Just pick and flick your presentation to a primary or secondary display.





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