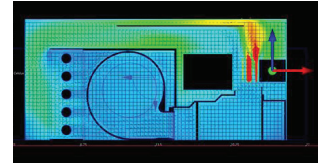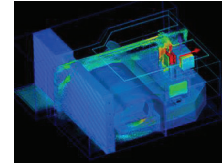# SHARP ®

laser
light source

Cost-conscious digital signage product line

to bring you high visual quality when your content matters most for retail, education and corporate installations

No Maintenance Projection Solution

- NEC's sealed LCD cooling system prevents dust from reaching the optics and eliminates the need for a filter
- Advanced laser technology delivers a reliable light source up to 20,000 hours

NEC's patented LCD panel cooling system

Powerful Performance

- Lowest audible noise of any projector in this class provides distraction free presentations.
- After startup images appear immediately with breakthrough laser technology
- Brightness adjustment and constant brightness mode maximize laser life and allow for a consistent looking image over an extended period of time
- High performance video processing/scaling supports 4K/30 content
- Integrated software support for Crestron Roomview, AMX Beacon, PJ Link control systems

WHISPER QUIET

4K UHD READY

More Flexible Installations

- Lens shift capabilities make alignment easy: (H = +/- 29% / V = 0%~+60%)
- Tilt-free installation capabilities make these projectors ideal for almost any install environment, including portrait orientation
- Horizontal & vertical keystone adjustment along with cornerstone and pincushion provides the ability to square the image to the screen

Built-In HDBaseT Support

Simplify your installations with HDBaseT. Optimized for video applications and supporting uncompressed full HD digital video, audio, ethernet and various control signals. With only a single cable (up to 100m) to run, infrastructure and labor costs are reduced, installations are significantly easier, and there is no cable clutter to manage. With uncompressed HD video support, images have never been more stunning.
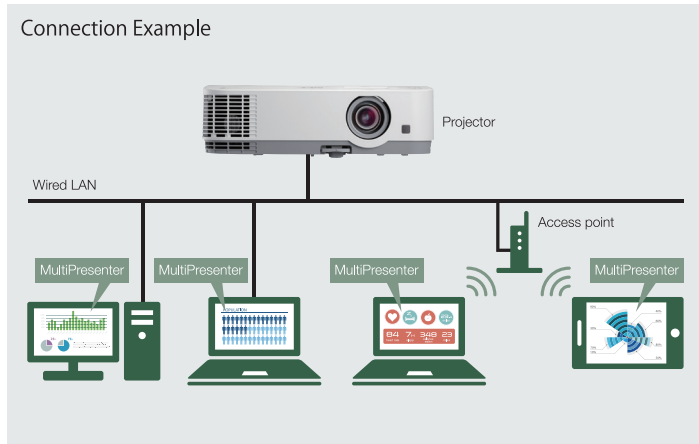
MultiPresenter

MultiPresenter is application software that lets you display your device's screen (PC, tablet, smart phone, etc.) on the receiver projectors via wired or wireless LAN. MultiPresenter is free and available on Windows, Mac, iOS, and Android. MultiPresenter can send images from your various devices, which enables you to display real-time images with the internal camera or web pages on the smart devices in combination with a file sharing application.

MultiPresenter™

Desktop Version (Win/Mac)

Computer audio and video data (audio can be transmitted only when using Windows) can be transmitted via a wireless or wired LAN.
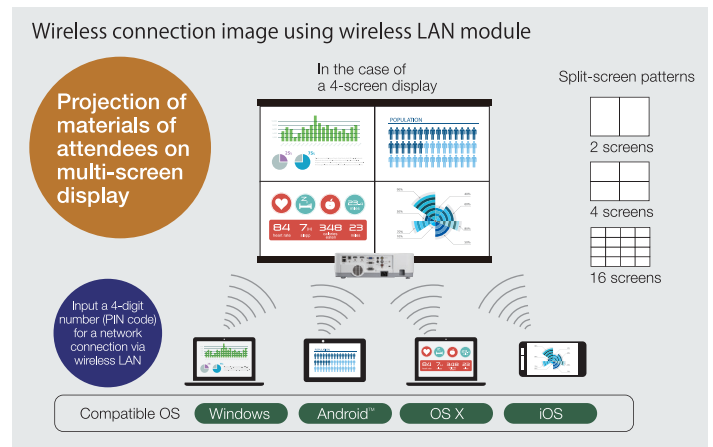
• Easy Connection
  Input a 4-digit number (PIN code) for a network connection via wireless LAN.

• Multiple devices (maximum of 16 screens) can display at the same time and simultaneously

• Projector control

Mobile Version (Android/iOS)

You can transmit files, photos, camera images, files of web pages, and other information stored on Android or iOS devices via a wireless LAN.

• Easy Connection
  Input a 4-digit number (PIN code) for a network connection via wireless LAN.

• Multiple devices (maximum of 16 screens) can display at the same time and simultaneously display onto multiple receiving projectors.

• Projector control

Connection Example
Projector
Wired LAN
Access point
MultiPresenter   MultiPresenter   MultiPresenter   MultiPresenter

Wireless connection image using wireless LAN module
Projection of materials of attendees on multi-screen display
In the case of a 4-screen display
Split-screen patterns
2 screens
4 screens
16 screens
Input a 4-digit number (PIN code) for a network connection via wireless LAN
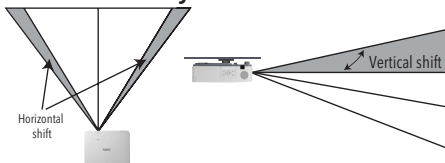Compatible OS   Windows   Android™   OS X   iOS

Advanced Networking Capabilities

• Integrated RJ45 connection for quick connection to the LAN (10/100 base-T capability)
• Control and receive important broadcast messages via Crestron Roomview™
• MultiPresenter enables up to 16 wireless devices to be connected to the projector simultaneously with access controlled by the moderator

• Remote diagnostics enable the user to monitor and make adjustments to the projector remotely
• Simple Access Point Sending photos and documents have never been easier from a computer or iPad
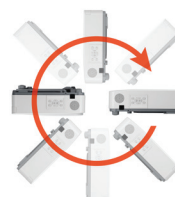
Advanced Installation Features

Lens Shift

Lens shift provides greater flexibility when determining install location**simultaneously with access controlled by the moderator.**
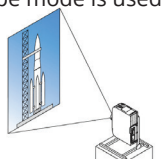

Vertical shift
Horizontal shift

Tilt-free

The projector can be rotated freely (360°) to orient the image depending on the installation requirements.

Portrait mode

Allows the projector to be rotated (and screen if necessary) to a vertical alignment so that portrait content can be viewed without black bars on the side when landscape mode is used.

Specifications

		P525WL	P525UL	P605UL
Display Technology		0.64" LCD w/ MLA		
Light Output (lumens)	Center	5200		6200
	ECO mode OFF	5000		6000
	ECO mode ECO	3000		3600
	ECO mode LONG LIFE	2500		3000
	CONSTANT BRIGHTNESS	50-70%		
Resolution	Native	WXGA 1280 x 800	WUXGA 1920 x 1200	
	Maximum	Up to 4K@30Hz (3840x2160) with Advanced AccuBlend		
Contrast Ratio (up to)		500,000:1 with Light Adjust		600,000:1 with Light Adjust
Laser Life (50%)	ECO mode OFF	20,000 hours		
Screen Size (diagonal)		25 - 300 in. / 0.6 - 7.6m		
Projection Distance		1.23 - 2.0:1		
Projection Angle		2.6 - 44.3 ft. / 0.8 - 13.5m		
Lens	Zoom	0 - 10.8° tele / 0 - 17.0° wide		
	Zoom Ratio	Manual		
	Throw Ratio	1.6x		
	Focus	Manual		
	F-number, focal length	F=1.5~2.1 / f=17.2~27.6mm		
	Shift	Manual (H = +/- 29% / V = -0%~+60%)		
Keystone Correction		+/- 30° horizontal, +/- 30° vertical		
Synchroniza-tion Range	Horizontal	15 to 100KHz (RGB: 24kHz or over)		
	Vertical	50-120 Hz		
Supported Video Standards		NTSC3.58/NTSC4.43/PAL/PAL-N/PAL-M/PAL-60/SECAM		
SD/HD Video Signal Compatibility		4K, 1080p, 1080i, 720p, 576p, 576i, 480p, 480i		
PC Signal Compatibility		VGA, SVGA, XGA, WXGA, Quad-VGA, SXGA, SXGA+, WXGA+, WXGA++, WSXGA+, WUXGA		
Macintosh Compatibility		Yes		
Input Termi-nals	RGB1 (analog)	VGA 15pin D-Sub		
	RGB2 (digital)	HDMI (w/HDCPv1.4)		
	RGB3 (digital)	HDMI (w/HDCPv1.4)		
	RGB4 (digital)	HDBaseT		
	Audio1	Stereo Mini Jack		
	USB Type A	Memory, (2A)		
	USB Type A (behind cover)	Wireless LAN (optional)		
	USB Type B (behind cover)	USB Service		
Output Termi-nals	Audio Out	Stereo Mini Jack		
Wired LAN port		RJ45 (100Base-TX/10Base-T)		
External Control		RS-232 (D-Sub 9pin), IR, RJ45		
Speaker		20W (mono)		
Power Requirements		100 – 240V AC, 50/60Hz		
Input Current		5.0A/2.1A	5.1A/2.1A	5.5A - 2.3A
Power Con-sumption	ECO mode OFF	320W	330W	367W
	ECO mode ECO	232W	240W	261W
	ECO mode LONG LIFE	234W	242W	230W
	Standby (network)	1.4W		
	Standby (normal)	0.13W		
Installation Orientation		Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear		
Dimensions (WxDxH)		18.9 x 16.0 x 5.6 in. (480 x 407 x 142.5 mm)		
Net Weight		21.4 lbs. (9.7 kg)		
Carton		23.3 x 19.3 x 10.2 in. (591 x 491 x 259 mm)		
Gross Weight		28.2 lbs. (12.8 kg)		
Fan Noise	ECO mode OFF	27dB (HIGH BRIGHT) / 24dB (OTHERS)		28dB (HIGH BRIGHT) / 25dB (OTHERS)
	ECO mode ON	22dB (ECO)		19dB (ECO)
Regulations	USA	UL60950-1:2nd edition,2014, UL62368-1:2nd Edition, FDA, Proposition65, TPCH		
	Canada	CAN/CSA C22.2 No.60950-1-07,2nd Edition,2014, ICES-003 Issue6(ANSI C63.4:2014)		
Operating Temperature		41° – 104°F / 5° – 40°C		
Humidity		20-80% non-condensing		
Storage		14° – 122°F / -10° – 50°C		

Additional accessories are available, including screens, carts, mount accessories and replacement cables. Visit www.sharpnecdisplays.us/for details.