NEC 2x2 LCD TileMatrix™ Video Wall Solutions

46" & 55" NEC Professional-Grade LCD Display/ Mounting System/Cabling/Power Suppression

NEC Display Solutions' complete 2x2 LCD TileMatrix Video Wall Solutions provide for an all-in-one, easy-to-configure solution that is ideal for dynamic digital signage, information display and command & control applications.

Exclusive TileMatrix and TileComp™ technologies, combined with the thin-bezel design of NEC large-screen displays, provide for a near seamless video wall without the need for additional third-party equipment. When compared to 82"-108" single-screen displays, NEC's video wall solutions deliver a more cost-effective and easier-to-transport and install alternative for your application.

LCD technology alleviates downfalls affiliated with rear-projection and plasma displays. This includes improved color and brightness uniformity as well as full HD resolution (X462UN/X461UNV have WXGA native) for stunning video clarity.

Highlights

- **TileMatrix technology** is integrated into each NEC display within the bundle, allowing for easy manipulation of a single picture to 2x2 format
- **TileComp** works in tandem with TileMatrix to compensate for the bezel width and create a more seamless video wall
- **Thin-bezel design** provides for some of the smallest bezel widths in the industry (5.5mm active area-to-active area width for X551UN, 7.3mm for X462UN/X461UNV)
- **Industry's most extensive display control**, including RS-232, Ethernet connectivity, NaViSet software and DDC/CI standard
- **24/7 runtime** due to professional-grade panels and integrated heat dissipation technologies
- **Thermal protection panel** contains an extra air gap and heat dissipation layer designed to distribute heat more uniformly across the LCD layer, minimizing the risk of image retention
- **Fan-based technology** connected to internal heat sensors automatically turns on when temperatures reach certain thresholds. Designed to work in both portrait and landscape orientations, these fans can be always on or controlled remotely.
- **NaViSet™ software** utilizes the monitor's advanced control and diagnostics capabilities to provide AV and IT professionals with remote access to monitor settings over their existing network
- **Mounting system** is compact and slim, which allows the displays to be mounted as close to the wall as possible (Peerless 2x2 wall mount for X551UN; Chief 2x2 wall mount for X462UN-TMX4D/X461UNV-TMX4D)
- **Overframe Bezel Kit** completes your solution by offering a "finished & framed" look (two kits included)
- **Remote Control and Ambient Light Sensor Kit** provides the entire video wall with one sensor that detects ambient light and delivers simple remote control functionality
- **DVI daisy chain option board** allows for easy digital loop-through of video signal (four included with X462UN-TMX4D and X461UNV-TMX4D)
- **Tripp Lite surge suppressor** features six outlets and prevents crashes, reboots and performance problems (two per bundle)

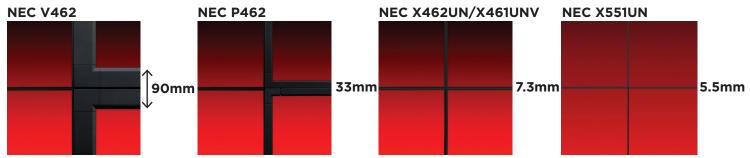# NEC 2x2 LCD TileMatrix Video Wall Solutions

NEC Large-Screen LCDs

Your digital signage applications will never look the same. The 46" X462UN, 46" X461UNV and 55" X551UN give your messages and images the "wow factor" they

need to reach audiences with maximum impact. In addition to the exclusive Digital Signage Technology Suite, which boasts more than 30 advanced features, these displays tout a thin bezel for tiled-wall configurations, a built-in expansion slot that future-proofs them for emerging technologies and HD resolution that turns heads and draws crowds. In addition, the bundled solution onsite service ensures that a comparable new or refurbished LCD unit will be replaced by a technician within one business day of a customer's call. This coverage provides quick turnaround times for displays that require replacing.*

MODEL	X462UN	X461UNV	X551UN
LCD MODULE			
Viewable Image Size	46"		55"
Native Resolution	1366 x 768		1920 x 1080
Brightness (Typical/Max)	500 cd/m² / 700 cd/m²	390 cd/m² / 450 cd/m²	500 cd/m² / 700 cd/m²
Contrast Ratio (Typ)	3000:1		3500:1
CONNECTIVITY			
Digital In	DisplayPort, HDMI, DVI-D		
Analog In	VGA 15-pin D-sub, 5BNC (RGBHV, DVD/HD or Video), BNC Composite, RCA Composite, RCA Component (Y, Cb/Pb, Cr/Pr), S-Video		VGA 15-pin D-sub, 5 BNC (RGBHV, DVD/HD or Video), S-Video, BNC Composite
Audio In	RCA Audio (2), Stereo Mini-Jack, DisplayPort Audio, HDMI Audio		RCA Audio, Stereo Mini-Jack (2), HDMI Audio
External Control In	RS-232C, LAN, IR Remote, DDC/CI		
Digital Out	NA		DisplayPort, DVI-D
Analog Out	5 BNC (RGBHV, DVD/HD or Video), BNC Composite		BNC Composite
Audio Out	RCA Audio		Stereo Mini-Jack, External Speaker Jack (2)
External Control Out	RS-232, IR Remote		
Net Weight (w/out stand)	64.6 lbs. / 29.3 kg	59.1 lbs. / 34.4 kg	77 lbs. / 35 kg

NEC V462

90mm

NEC P462

33mm

NEC X462UN/X461UNV

7.3mm

NEC X551UN

5.5mm

The X551UN's ultra-narrow bezel allows for a screen-to-screen distance between two neighboring displays of only 5.5mm, a more than 1500% improvement over the standard bezel width from NEC's 90mm V Series and close to 500% compared to its previously revolutionary 33mm P Series displays.

Included Cables

Qty. 1
DVI-D Male to DVI-D Male 5m cable used for connecting video source to first display

Qty. 4
DVI-D Male to DVI-D Male 2m cable used for daisy chaining digital video signal through video wall (included in box with SB-L008WU)

Qty. 3
D-Sub 9-pin Female to D-Sub 9-pin Female 2m null modem cable used for daisy chaining control signals through the video wall

DVI Daisy Chain Option Board

Qty. 4
Allows for a digital video loop through from screen to screen (SB-L008WU included in X462UN-TMX4D and X462UNV-TMX4D)

Tripp Lite surge suppressor

- Features six outlets/6-ft. cord
- $50,000 Ultimate Lifetime Insurance (US/CDN)
- Network grade surge suppression rated at 2350 joules/97,000 amps
- Prevents system crashes, reboots and performance issues

- Keyhole mounting tabs allow permanent installation
- Lighted power switch confirms power on/off status
- Widely spaced outlets accommodate up to four large transformer plugs without blocking outlets

* Not applicable in all countries. Terms and conditions apply. Contact an NEC representative for more details.

NEC Display Solutions
500 Park Boulevard, Suite 1100
Itasca, IL 60143
866-NEC-MORE

necdisplay.com

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