

Orchestrating a brighter world

**NEC**

46" LED-backlit, SPVA, ultra-narrow bezel,  
LCD displays ideal for video wall applications

## NEC LCD Video Wall Displays



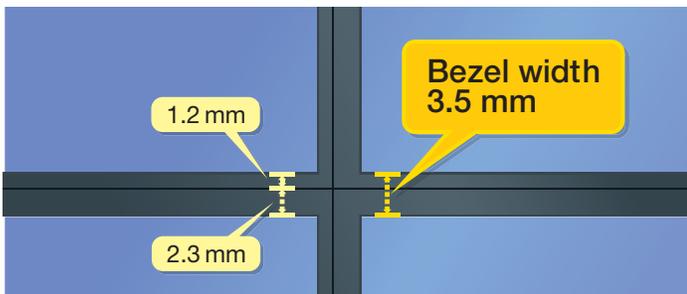
# 24/7 runtimes and picture perfect image quality make these displays ideal video wall solutions for retail signage, control room applications, broadcast environments and rental markets.

## The Ideal Video Wall Display

Transform your video walls with the crystal clear imagery of the NEC 46" X464UNS-2 and X464UNV-3. SPVA panel technology provides exceptional contrast ratio and image quality for all types of installations. On top of that, direct LED backlighting not only reduces power consumption but also improves edge-to-edge brightness uniformity. Mere millimeters separate content from display to display which ensures a smooth transition across a video wall. This display is ideal for digital signage, boardrooms, entrance lobbies and broadcast applications, and can be deployed in video wall applications up to 10 x 10 in size utilizing integrated TileMatrix™ technology\*. TileMatrix technology within these displays can also now support up to UHD (3840 x 2160) resolution through the internal daisy chain functionality and still show imagery across the entire video wall. This is 4x the resolution that previous generations of product would support.

## SPVA Panel and an Ultra Narrow Bezel

Brand new SPVA panel technology allows for 1higher contrast ratio and superb image quality compared to typical video wall displays. On top of that, mere millimeters separate content from display to display, which ensures a smooth transition across a video wall. The X464UNS-2 minimizes that distance to a ground-breaking 3.5 mm.

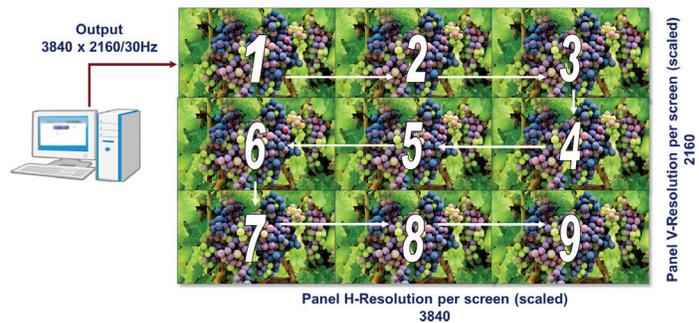


## Auto TileMatrix, Auto ID and Auto IP Address TechnologiesTechnology

Auto TileMatrix and ID features allow a user to simply set up the size of the video wall on the first display and automatically scale the content across the remaining displays. Auto IP Address simplifies control setup by setting the static IP address on the first display then initiating the feature so that the IP Addresses of consecutive displays following the LAN daisy chain.

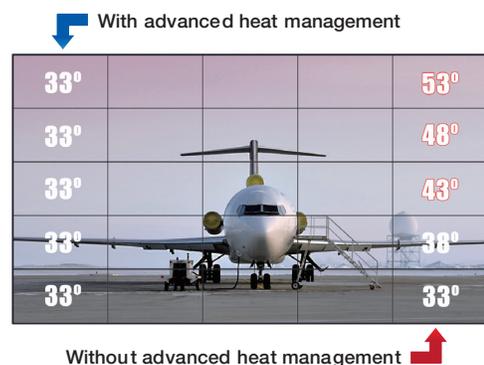
## DisplayPort UHD Daisy Chain Functionality

These displays have the ability to input a UHD/30Hz signal via HDMI or DisplayPort then also output the same signal across the entire wall. This allows TileMatrix to support up to 4x the resolution as previous generation products.



## Advanced Heat Management

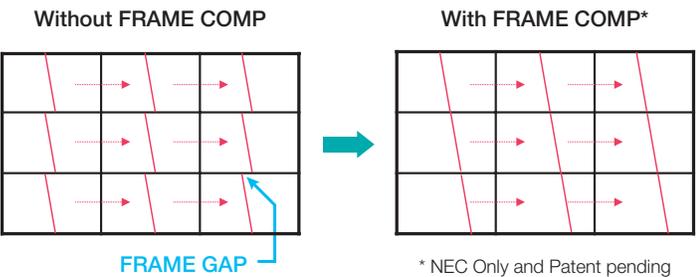
Monitoring and managing the temperature of each display is crucial to secure reliability and longevity. An industrial-strength, premium-grade panel with additional thermal protection, internal temperature sensors with self-diagnostics, and fan-based technology allows for 24/7 operation, and protects your display investment.



Without heat management, the displays placed higher on a wall will sustain a hotter temperature than the screens below. This damaging heat will lower the picture quality and life expectancy of the product. However, NEC's advanced heat management ensures heat dissipation for a more uniform overall wall temperature. Integrated cooling fans automatically turn on and stay on when high internal temperatures are detected. These will stay on until the heat is properly dissipated and the display remains under proper temperature thresholds.

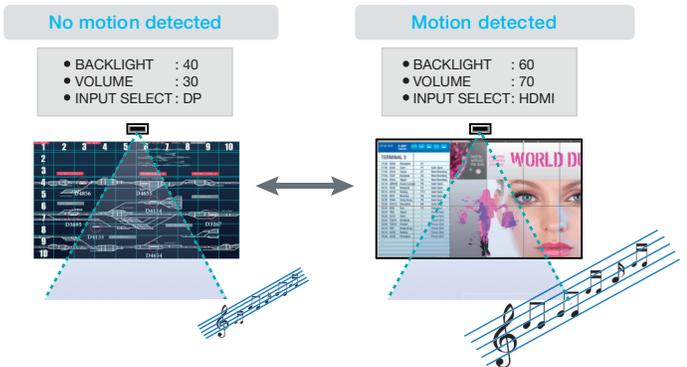
### Frame Comp Functionality

By allowing per row frame adjustment across the video wall, this feature allows for better content synchronization when content is moving across the video wall.



### Human Sensor and Ambient Light Sensor

This new optional human (motion) sensor accessory (KT-RC2) helps to deliver creative digital signage to end users by allowing for dynamic control of brightness, audio and source inputs while saving operating costs. Auto dimming adjusts the backlight of the LCD automatically depending on the amount of ambient light.



### Proof of Play

This function provides accurate proof that displays are working as established when checking from an external location. Information regarding video source, time on, audio source and more can be pulled through the display when coupled with NaViSet Administrator 2.

### NaViSet Administrator 2

This software is an all-in-one remote support solution that runs from a central location and provides monitoring, asset management and control functionality of the majority of NEC display devices and Windows computers. It is ideal for multi-device installations over larger infrastructures.



### Dedicated Color Calibration Software

As the brightness and color temperature of the LCD change with time, colors may not match across multiple screens. The NEC Display Wall Calibrator software ensures color uniformity and fidelity across multiple screens, creating a perfectly matched image in tiled environments.

## NEC Display Wall Calibrator

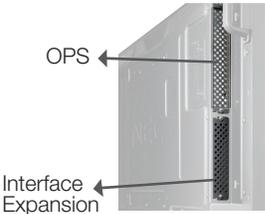
### Intelligent Wireless Data Function

The built-in near field communication (NFC) chip allows data to be read and written via a mobile phone or tablet PC. Users can significantly reduce installation costs as displays can be easily configured and serviced using the NEC NFC Android app. This is extremely useful for larger rollouts as it can be utilized even when the display is powered off.



### Expansion slots

The NEC UN displays support Intel's Open Pluggable Specification (OPS), and interface expansion slots to provide the flexibility customers need.



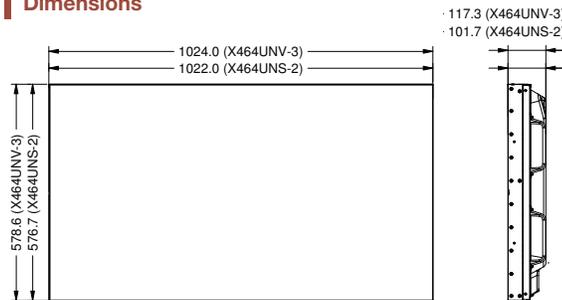
MODEL		X464UNS-2	X464UNV-3
LCD MODULE	Panel Technology	SPVA	
	Viewable Image Size	46"	
	Native Resolution	1920 x 1080	
	Brightness (Typical/Minimum)	500 cd/m <sup>2</sup> / 700 cd/m <sup>2</sup>	350 cd/m <sup>2</sup> / 500 cd/m <sup>2</sup>
	Contrast Ratio (Typical)	3500:1	
	Viewing Angle	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10	
	Aspect Ratio	16:9	
	Displayable Colors	Over 16.7 Million	
	Orientation	Landscape/Portrait	
	Panel Haze (%)	25	
	CONNECTIVITY		
Input Terminals	Digital	DisplayPort, HDMI, DVI-D	
	Analog	VGA 15-Pin D-sub	
	Audio	Audio Mini-Jack, DisplayPort Audio, HDMI Audio	
	External Control	LAN (100Mbit), 3.5 Mini Jack IR Remote, RS232C	
Output Terminals	Digital	DisplayPort (Outputs DisplayPort, OPS and HDMI)	
	Analog	None	
	Audio	Audio Mini-Jack, External Speaker Jack (2), HDMI Audio (through DisplayPort Out), DisplayPort Audio	
	External Control	LAN (100Mb)	
POWER CONSUMPTION	On (Typ/Max)	120W	90W
	Normal Standby	<0.5W	
	Current Rating	2.6A - 1.1A @ 100V - 240V	3.0A - 1.2A @ 100V - 240V
	Speaker Rating	Optional 15W x 2	
PHYSICAL SPECIFICATIONS	Bezel Width (L/R, T/B)	2.3mm/1.2mm ; 2.3mm/1.2mm	3.8mm/1.9mm ; 3.8mm/1.9mm
	Net Dimensions (Without stand; W x H x D)	40.2 x 22.7 x 4.0 in.	40.3 x 22.8 x 4.6 in.
	Net Weight (Without Stand)	1022.0 x 576.7 x 101.7mm	1024.0 x 578.6 x 117.3mm
	VESA Hole Configuration	4x M6 x 12mm (300 x 300)	
SENSORS	Ambient Light Sensor	Integrated and programmable	
	Human Sensor	Optional through KT-RC2 Accessory	
	Temperature Sensor	Integrated and programmable; linked to cooling fans	
	NFC Sensor	Integrated; works in conjunction with free NEC Intelligent Wireless Data Application	
ENVIRONMENTAL CONDITIONS	Operating Temperature	0 to 40C	
	Operating Humidity	20-80%	
	Operating Altitude	3000m (9843ft)	
LIMITED WARRANTY	3 years Advanced Replacement		
ADDITIONAL FEATURES	Direct LED Backlighting, Advanced thermal capabilities, Ethernet Control and Communication, RS-232 Control and Communication, Landscape/portrait capable, Carbon footprint meter, Plug and Play (DDC/CI, DDC2B), Scheduler (w/ real-time clock), Screen saver function, Optional human sensor, Intelligent Wireless Data (Near Field Communications), Interface expansion slot, Expanded daisy chain (DP 1.2), 6-axis color adjustments, FrameComp, TileComp, TileMatrix (Up to 10 x 10), UHD through TileMatrix, Metal rear cabinet, Side-by-Side, Carrying Handles, Variable picture modes, Advanced video settings (Noise Reduction, Adaptive Contrast), Input labeling, Backlight adjust, Aspect ratio control, OPS/Expansion slot		
SHIPS WITH	3m AC Power Cord, 3.0m DP to DP Cable, LAN Cable, CD-ROM (User Manual), Clamper and Screw		
OPTIONAL ACCESSORIES	Remote Control/IR/Ambient Light/Human Sensor Accessory (KT-RC2), Overframe Bezel Kit (KT-46UN-OF5 for X464UNS-2 and KT-46UN-OF3 for X464UNV-3), Display Wall Calibrator Kit (KT-LFD-CC), External Speakers (SP-1F1), Tabletop Stand (ST-401), All OPS Cards, All Interface Expansion Cards		

**Input Panel**

- |                              |                        |
|------------------------------|------------------------|
| 1. Vacation Switch           | 7. RS-232C In          |
| 2. External Speaker Terminal | 8. Remote In           |
| 3. Audio Mini Jack Out       | 9. VGA D-Sub In        |
| 4. USB Service Port          | 10. DisplayPort In/Out |
| 5. LAN Ports                 | 11. HDMI In            |
| 6. Audio Mini Jack In        | 12. DVI-D In           |



**Dimensions**



**Options**

**OPS PC's**

- OPS-APIS-PS
- OPS-PCAEQ-PS2
- OPS-TCIS-PS



**SDI**

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



**HDBaseT**

- SB-07BC



**Interface Extension Board**

- Digital Video SB3-DB1
- Analog Video SB3-AB1



**Sensor Kit**

- KT-RC2

Human (Motion) / Ambient Light / IR Remote



**Stand**

- ST-322



**Display Wall**

- Calibrator Kit KT-LFD-CC



**Over Frame Kit**

- KT-46UN-OF5 for X464UNS-2
- KT-46UN-OF3 for X464UNV-3



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