

# NEC Video Wall LCDs Series

46" & 55" LED-backlit, ultra-narrow, professional-grade LCD displays ideal for video wall applications

## Transform your video walls

with the immaculate high definition of the [NEC 46" X464UN-2](#), [46" X464UNV-2](#), [46" X464UNS](#), [55" X554UN-2](#), [55" X554UNV](#) and [X554UNS](#). Direct LED backlighting reduces power consumption and 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 not support up to UHD (3840 x 2160) resolution across the entire wall. This is 4x the resolution that previous generations of product would support.



## Advanced Technologies

- LED direct backlighting source allows for even distribution of light across the panel, resulting in improved uniformity from bezel-to-bezel
- Auto ID and Auto TileMatrix technology enables video walls (up to 100 displays in a 10x10 matrix)
- Digital loop through with DP 1.2 Multistream supports ultra high definition resolutions for video wall deployments
- Optional Human Sensor accessory ensures video walls are on and directed at a targeted audience
- Open Pluggable Specification and Interface Expansion Slots offer the flexibility customers require
- Intelligent Wireless Data functionality through integrated Near Field Communication (NFC) sensor, enables read/write communication through a special NEC application and NFC compatible device

## Highlights

- Professional-grade LCD panel and components meet even the most formidable digital signage industry requirements, allowing for 24/7 run times
- 1920 x 1080 full HD resolution allows for crisper, more lifelike imaging
- Ground-breaking ultra-narrow bezel as low as 3.5mm creates a nearly seamless video wall
- Optional color calibration solution ensures color uniformity and fidelity across individual and multiple screens, creating a perfectly matched image in tiled environments
- Optional overframe bezel kit simplifies your installation and enhances the aesthetics of your video wall
- ENERGY STAR® 6.0 is proudly offered, which meets strict energy efficiency guidelines set by the U.S. Environmental Protection Agency and the U.S. Department of Energy, helping you save money and reduce greenhouse gas emissions
- UHD Resolution support and loop through for potential 3840 x 2160 resolution across the entire video wall.

\*Limitations apply when High-Bandwidth Digital Content Protection (HDCP) is utilized

[www.necdisplay.com](http://www.necdisplay.com)

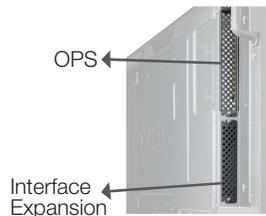
## Specifications

| MODEL                                 | X464UNV-2  | X464UN-2   | X464UNS  | X554UNV  | X554UN-2   | X554UNS   |
|---------------------------------------|--|--|--|--|--|---|
| <b>LCD MODULE</b>                     |  |  |  |  |  |   |
| Panel Technology                      | SPVA (P-DID)   |  |  |  |  |   |
| Viewable Image Size                   | 46"  |  |  | 55"  |  |   |
| Native Resolution                     | 1920 x 1080  |  |  |  |  |   |
| Brightness (Typical/Max)              | 350 / 500 cd/m <sup>2</sup>  | 500 / 700 cd/m <sup>2</sup>                                      |  |  | 400/500 cd/m <sup>2</sup>                                      | 500 / 700 cd/m <sup>2</sup>                     |
| Contrast Ratio (Typical)              | 3500:1   |  |  |  |  |   |
| Viewing Angle                         | 178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10  |  |  |  |  |   |
| Response Time (white to black)        | 8ms  |  |  |  |  |   |
| Aspect Ratio                          | 16:9   |  |  |  |  |   |
| Active Screen Area (W x H)            | 40.1 x 22.6 in. / 1018.1 x 572.9mm   | 40.1 x 22.6 in. / 1018.1 x 572.7mm                               |  | 47.6 x 26.8 in. / 1209.6 x 680.4mm                             |  |   |
| Orientation                           | Landscape/Portrait   |  |  |  |  |   |
| Displayable Colors                    | More than 16.7 million   |  |  |  |  |   |
| <b>CONNECTIVITY</b>                   |  |  |  |  |  |   |
| PC/Mac Signal Compatibility           | Yes  |  |  |  |  |   |
| Input Terminals                       |  |  |  |  |  |   |
| Digital                               | DisplayPort, HDMI, DVI-D   |  |  |  |  |   |
| Analog                                | VGA 15-pin D-sub   |  |  |  |  |   |
| Audio                                 | Audio Mini-Jack, DisplayPort Audio, HDMI Audio   |  |  |  |  |   |
| External Control                      | RS-232C, LAN, DDC/CI   |  |  |  |  |   |
| Output Terminals                      |  |  |  |  |  |   |
| Digital                               | DisplayPort (DisplayPort, HDMI, DVI-D or Option Signals out of this port)  |  |  |  |  |   |
| Analog                                | n/a  |  |  |  |  |   |
| Audio                                 | Audio Mini-Jack, External Speaker Jack (2), HDMI Audio (through DisplayPort Out), DisplayPort Audio  |  |  |  |  |   |
| External Control                      | LAN  |  |  |  |  |   |
| <b>POWER CONSUMPTION</b>              |  |  |  |  |  |   |
| On (Typical)                          | 90W  | 120W   |  | 125W   | 150W   |   |
| ECO Mode Standby                      | <0.5W  |  |  |  |  |   |
| Current Rating                        | 2.6A @ 100-120V / 1.1A @ 220-240V  | 3.0A @ 100-120V / 1.2A @ 220-240V                                |  | 3.8A @ 100-120V / 1.6A @ 220-240V                              |  |   |
| <b>PHYSICAL SPECIFICATIONS</b>        |  |  |  |  |  |   |
| Bezel Width (L/R, T/B)                | 0.15 in./0.075 in., 0.15 in./0.075 in.; 3.8mm/1.9mm, 3.8mm/1.9mm   | 0.15 in./0.075 in., 0.15 in./0.075 in.; 3.8mm/1.9mm, 3.8mm/1.9mm | 0.09 in. / 0.05 in., 0.09 in. / 0.05 in.; 2.3mm/1.2mm, 2.3mm/1.2mm | 0.15 in./0.07 in., 0.15 in./0.07 in.; 3.7mm/1.8mm, 3.7mm/1.8mm | 0.09 in./0.05 in., 0.09 in./0.05 in.; 2.3mm/1.2mm, 2.3mm/1.2mm |   |
| Net Dimensions (without stand; WxHxD) | 40.3 x 22.8 x 4.6 in. / 1024 x 578.6 x 117.3mm   | 40.3 x 22.8 x 3.9 in. / 578.6 x 1024 x 99.7mm                    | 40.2 x 22.7 x 4.0 in. / 1022.0 x 576.6 x 101.3mm                   | 47.8 x 26.9 x 4.0 in. / 1213.5 x 684.3 x 100.4mm               | 47.8 x 27 x 3.9 in. / 1215.3 x 686.1 x 99.6mm                  | 47.8 x 26.9 x 3.95 in. / 1213.5 x 684 x 100.4mm |
| Net Weight (without stand)            | 50.3lbs / 22.8kg   | 50.7 lbs. / 23 kg  | 45.0lbs / 20.4kg   | 57.1lbs / 25.9kg   | 64.64 lbs. / 29.2 kg   | 61.5 lbs. / 27.9 kg                             |
| VESA Hole Configuration               | 300 x 300mm (4-hole)   | 300 x 300mm (4-hole)   | 300 x 300 (4-hole)   | 400 x 400mm (4-hole)   |  |   |
| <b>ENVIRONMENTAL CONDITIONS</b>       |  |  |  |  |  |   |
| Operating Temperature                 | 41-104°F / 5-40°C  |  |  |  |  |   |
| Operating Humidity                    | 20 - 80%   |  |  |  |  |   |
| Operating Altitude                    | 13,780 ft. / 4200m   |  |  |  |  |   |
| <b>LIMITED WARRANTY</b>               |  |  |  |  |  |   |
|                                       | 3 years parts and labor, including backlight*  |  |  |  |  |   |
| <b>ADDITIONAL FEATURES</b>            |  |  |  |  |  |   |
|                                       | 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), Second expansion slot, Expanded daisy chain (DP 1.2), 6-axis color adjustments, Metal rear cabinet, Side-by-Side, Handles, Variable picture modes, Advanced video settings (Noise Reduction, Adaptive Contrast), Input labeling, Backlight adjust, Aspect ratio control, OPS/Expansion slot |  |  |  |  |   |
| <b>SHIPS WITH</b>                     |  |  |  |  |  |   |
|                                       | Power cord; 1.8m DP cable; LAN cable, Batteries; CD-ROM (user manual); Option board slot cover; Screws; Thumbscrews  |  |  |  |  |   |
| <b>Optional Accessories</b>           |  |  |  |  |  |   |
|                                       | Video Wall Kit (KT-TMX4C, KT-TMX9C, KT-RC2) (Remote Control/IR Sensor/Ambient Light/Human Sensor Accessory), Overframe Bezel Kit (X464UN-2: KT-46UN-OF2, X464UNV-2: KT-46UN-OF3, X464UNS: KT-46UN-OF4, X554UN-2: KT-55UN-OF, X554UNS/X554UNV: KT-55UN-OF2), Display Wall Calibrator Kit (KT-LFD-CC)  |  |  |  |  |   |

\* Warranty restrictions apply. Contact your representative for details.

### Input Panel

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



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



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