

# NEC X463UN & X551UN

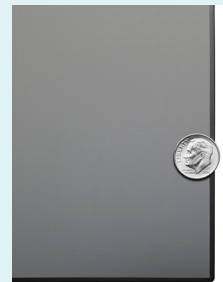
46" & 55" LED-backlit, ultra-narrow, professional-grade LCD displays  
ideal for video wall applications

**Transform your video walls** with the immaculate high definition of the 46" NEC X463UN and 55" X551UN. Direct LED backlighting attributes to reduced power consumption and improved edge-to-edge brightness uniformity, while a mere 5.5mm (X551UN) separates active screen areas between neighboring displays to ensure a smooth transition from screen-to-screen in video wall matrices. 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.



## Highlights

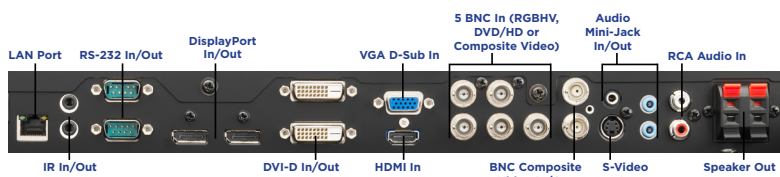
- **LED direct backlighting source** allows even distribution of light across the panel, resulting in improved uniformity from bezel-to-bezel
- **Professional-grade LCD panel and components** meet even the most formidable digital signage industry requirements, allowing for 24/7 run times
- **1920 x 1080 full HD resolution** allows for crisper, more lifelike imaging
- **Ground-breaking ultra-narrow bezel as low as 5.5mm (screen-to-screen)** creates a nearly seamless video wall
- **TileMatrix technology** enables video walls (up to 100 displays in a 10x10 matrix)
- **Digital loop through** includes DVI-D (with HDCP) and DisplayPort
- **Simple Network Management Protocol** standards are met for controlling the display through LAN
- **Built-in expansion slot** allows for seamless integration of NEC-branded option cards as well as Intel's Open Pluggable Specification (OPS)-certified cards
- **Optional color calibration solution** ensures color uniformity and fidelity across individual and multiple screens, creating a perfectly matched image in tiled environments
- **Ethernet Control and Communication** provides the highest level of remote display management and includes such features as automatic email notification for diagnostic purposes
- **Carbon footprint meter** informs and motivates responsible use of the display by calculating and tracking carbon savings
- **Diverse input connectors** allow for maximum compatibility and flexibility during product implementation
- **Optional overframe bezel kit** simplifies your installation and enhances the aesthetics of your video wall
- **ENERGY STAR® 5.1** 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



# Specifications for X463UN & X551UN

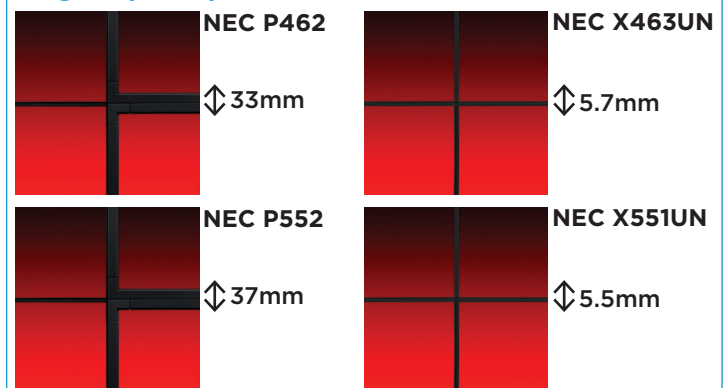
MODEL	X463UN	X551UN
<b>LCD MODULE</b>		
Panel Technology	SPVA (P-DID)	
Viewable Image Size	46"	55"
Native Resolution	1920 x 1080	
Brightness (Typical)	500 cd/m <sup>2</sup>	
Contrast Ratio (Typical)	3500:1	4000:1
Viewing Angle	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10	
Response Time (white to black)	8ms	
Aspect Ratio	16:9	
Active Screen Area (W x H)	40.1 x 22.5 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	
<b>Input Terminals</b>		
Digital	DisplayPort, HDMI, DVI-D	
Analog	VGA 15-pin D-sub, 5 BNC (RGBHV, DVD/HD or Video), BNC Composite, S-Video	
Audio	RCA Audio, Stereo Mini-Jack (2), HDMI Audio	
External Control	RS-232C, LAN, IR Remote, DDC/CI	
<b>Output Terminals</b>		
Digital	DisplayPort, DVI-D	
Analog	BNC Composite	
Audio	Stereo Mini-Jack, External Speaker Jack (2)	
External Control	RS-232C, IR Remote	
<b>POWER CONSUMPTION</b>		
On (Typical)	120W	190W
ECO Mode Standby	<0.5W	<1W
<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./0.07 in., 0.15 in./0.07 in. ; 3.7mm/1.8mm, 3.7mm/1.8mm
Net Dimensions (without stand; WxHxD)	40.3 x 22.8 x 4.6 in. / 578.6 x 1024 x 118.1mm	47.8 x 27 x 5 in. / 1215.3 x 686.1 x 128.1mm
Net Weight (without stand)	53.6 lbs. / 24.3 kg	80.3 lbs. / 36.4 kg
VESA Hole Configuration	300 x 300mm (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>		
	LED direct backlighting; Ultra-narrow bezel; Advanced thermal capabilities; Advanced cooling system; Sealed panel design; Thin bezel; TileMatrix (10x10); TileComp; Separate group/Monitor ID function; 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); Sharpness/softness adjustment; Screen saver function; Ambient light sensor (AmbiBright); 6-axis color adjustment; Metal rear cabinet; POP; Side-by-Side; Kensington lock; Handles; Variable picture modes; Movie Settings; Input labeling; Backlight adjust; Aspect ratio control; Built-in speakers; OPS/Expansion slot; Custom detect options	
<b>SHIPS WITH</b>		
	Power cord; DVI cable; Batteries; CD-ROM (user manual); IR control cable; Screws; Thumbscrews; Eyebolts; Cable cover	
<b>OPTIONAL ACCESSORIES</b>		
NEC	Display Wall Calibrator Kit (KT-LFD-CC); External Single Board Computer (TNETPC-ION); Stand (ST-4020 for X463UN; ST-5220 for X551UN); OPS with Intel Core i5 (N8000-8830), OPS with AMD Dual Core Fusion, 160GB Hard Drive, W7E (OPS-PCAF-WH); OPS with AMD Dual Core Fusion, 32GB SSD, W7E (OPS-PCAF-WS); OPS with AMD Dual Core Fusion, 160GB Hard Drive, No OS (OPS-PCAF-H); OPS with AMD Dual Core Fusion, 32GB SS (OPS-PCAF-S); OPS Adapter (SB-02AM); OPS HD/SDI Card (SB-01HC); Overframe Bezel Kit (KT-46UN-OF2 for X463UN; KT-55UN-OF for X551UN)	

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



The X463UN and X551UN support Intel's Open Pluggable Specification (OPS), the first industry-wide standardization in option slots, simplifying installation, use and maintenance of digital signage.

## Image Gap Comparison



NEC's ultra-narrow-bezel displays allow for a screen-to-screen distance between two neighboring displays as thin as 5.5mm, close to 450% improvement compared to its previously revolutionary P Series displays.



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## NEC Display Solutions

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

