

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 bezel gaps 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

- **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
- **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® 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

Technologies

- **LED direct backlighting source** allows even distribution of light across the panel, resulting in improved uniformity from bezel-to-bezel
- **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
- **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

Specifications for X463UN and X551UN

MODEL	X463UN	X551UN
LCD MODULE		
Panel Technology	SPVA (P-DID)	
Viewable Image Size	46"	55"
Native Resolution	1920 x 1080	
Brightness (Typical/Max)	500 / 700 cd/m ²	
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	
CONNECTIVITY		
PC/Mac Signal Compatibility	Yes	
Input Terminals		
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	
Output Terminals		
Digital	DisplayPort, DVI-D	
Analog	BNC Composite	
Audio	Stereo Mini-Jack, External Speaker Jack (2)	
External Control	RS-232C, IR Remote	
POWER CONSUMPTION		
On (Typical)	120W	190W
ECO Mode Standby	<0.5W	<1W
PHYSICAL SPECIFICATIONS		
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)
ENVIRONMENTAL CONDITIONS		
Operating Temperature	41-104°F / 5-40°C	
Operating Humidity	20 - 80%	
Operating Altitude	13,780 ft. / 4200m	
LIMITED WARRANTY		
3 years parts and labor, including backlight*		
ADDITIONAL FEATURES		
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; 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; OPS/Expansion slot; Custom detect options		
SHIPS WITH		
Power cord; DVI cable; Batteries; CD-ROM (user manual); IR control cable; Screws; Thumbscrews; Eyebolts; Cable cover		
OPTIONAL ACCESSORIES		
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.

Input Panel

- LAN Port
- IR In/Out
- RS-232 In/Out
- DisplayPort In/Out
- DVI-D In/Out
- VGA D-Sub In
- HDMI In
- 5 BNC In (RGBHV, DVD/HD or Composite Video)
- BNC Composite Video In/Out
- Audio Mini-Jack In/Out
- S-Video In
- RCA Audio In
- External Speaker Out

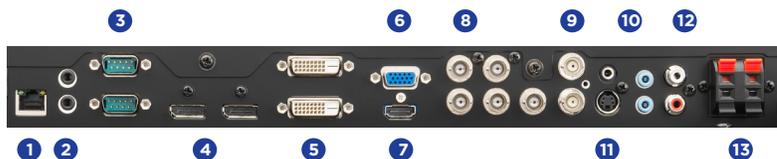
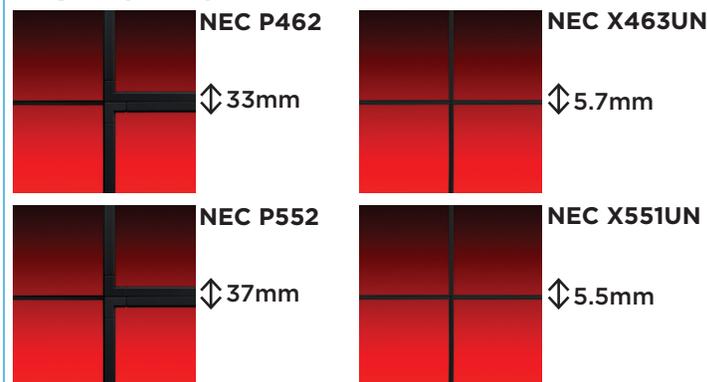


Image Gap Comparison



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

necdisplay.com **NEC**