

NEC X551UN

55" ultra-narrow, professional-grade LCD display
ideal for video wall applications

Transform your video walls with the immaculate high definition of the 55" NEC X551UN. Direct LED backlighting attributes to reduced power consumption and improved edge-to-edge brightness uniformity, while a mere 5.5mm 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.



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
- **1920 x 1080 full HD resolution** allows for crisper, more lifelike imaging
- **Ground-breaking ultra-narrow bezel of 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
- **Rapid Response™ technology** delivers virtually uninterrupted, undistorted viewing of high-speed, full-motion video
- **Diverse input connectors** allow for maximum compatibility and flexibility during product implementation
- **Optional wall mount and bezel kit** simplifies your installation and enhances the aesthetics of your video wall
- **ENERGY STAR® 5.1** is proudly offered for the X551UN, 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 X551UN

MODEL	X551UN
LCD MODULE	
Panel Technology	SPVA (P-DID)
Viewable Image Size	55"
Native Resolution	1920 x 1080
Brightness (Typical)	500 cd/m ²
Contrast Ratio (Typical)	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)	47.6 x 26.8 in. / 1209.6 x 680.4mm
Orientation	Landscape/Portrait
Displayable Colors	More than 16.7 million
CONNECTIVITY	
Supported Video Formats	720 x 400, 640 x 480, 800 x 600, 832 x 624, 1024 x 768, 1280 x 1024, 1600 x 1200, 1280 x 768, 1360 x 768, 1920 x 1080
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), RCA Composite, 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)	190W
ECO Mode Standby	<1W
PHYSICAL SPECIFICATIONS	
Bezel Width (L/R, T/B)	0.15 in./0.07 in., 0.15in./0.07in. ; 3.7mm/1.8mm, 3.7mm/1.8mm
Net Dimensions (without stand; WxHxD)	47.8 x 27 x 5 in. / 1215.3 x 686.1 x 128.1mm
Net Weight (without stand)	77 lbs. / 35 kg
VESA Hole Configuration	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	
	Ultra-narrow bezel; Advanced thermal capabilities; Advanced cooling system; Sealed panel design; Thin bezel; TileMatrix (10x10); TileComp; Separate group/Monitor ID function; CableComp+ ; 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; Advanced video settings (Noise Reduction, Adaptive Contrast); Input labeling; Backlight adjust; Aspect ratio control; Built-in speakers; 10-bit color over HDMI; OPS/Expansion slot; LED Direct-lit Backlighting
SHIPS WITH	
	Power cord; DVI Cable; Batteries; CD-ROM (user manual), Option board slot cover, Screws, Thumbscrews
OPTIONAL ACCESSORIES	
NEC	Display Wall Calibrator Kit (KT-46UN-CC); External Single Board Computer (TNETPC-ION); Stand (ST-5220); Wall Mount - Landscape (WM-55UN-L); Wall Mount - Portrait (WM-55UN-P); Accessory pack for Wall Mount Kit (MISS13)
Third Party	TTUFF Single Board Computer (APE-20HD-NEC, DPE-80HD-NEC) ; TTUFF Media Player (DMD-80HD-NEC); Magenta Media Player (NEC600); Minicom Media Player-360ft (OV551010NEC); Minicom Media Player-1000ft (OV551001NEC); OPS with Intel Core i5 (N8000-8830), OPS with AMD Dual Core Fusion, 160GB Hard Drive, W7P (OPS-PCAF-WH); OPS with AMD Dual Core Fusion, 32GB SSD, W7P (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, W7P (OPS-PCAF-S); OPS Adapter (SB-02AM)

* Warranty restrictions apply. Contact your representative for details.

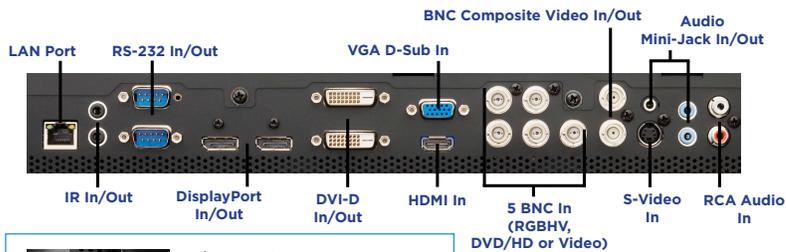


Image Gap Comparison



The X551UN's ultra-narrow bezel allows for a screen-to-screen distance between two neighboring displays of only 5.5mm, close to 450% improvement compared to its previously revolutionary 33mm P Series displays.



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



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NEC Display Solutions

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

NEC
necdisplay.com