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

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<tr>
<th><strong>MODEL</strong></th>
<th><strong>X551UN</strong></th>
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<tbody>
<tr>
<td><strong>LCD MODULE</strong></td>
<td></td>
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<tr>
<td>Panel Technology</td>
<td>SPVA (P-DID)</td>
</tr>
<tr>
<td>Viewable Image Size</td>
<td>55”</td>
</tr>
<tr>
<td>Native Resolution</td>
<td>1920 x 1080</td>
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<tr>
<td>Brightness (Typical)</td>
<td>500 cd/m²</td>
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<tr>
<td>Contrast Ratio (Typical)</td>
<td>4000:1</td>
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<tr>
<td>Viewing Angle</td>
<td>178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR&gt;10</td>
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<tr>
<td>Response Time (white to black)</td>
<td>8ms</td>
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<tr>
<td>Aspect Ratio</td>
<td>16:9</td>
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<tr>
<td>Active Screen Area (W x H)</td>
<td>47.6 x 26.8 in. / 1209.6 x 680.4mm</td>
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<tr>
<td>Orientation</td>
<td>Landscape/Portrait</td>
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<tr>
<td>Available Colors</td>
<td>More than 16.7 million</td>
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</tbody>
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**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

**Input Terminals**

- Digital: DisplayPort, HDMI, DVI-D
- Analog: VGA 15-pin D-sub, 5 BNC (RGBHV, DVD/HD or Video), RCA Composite, BNC Composite, 5-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)

**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.
- Net Dimensions: 47.8 x 27.5 in. / 1215.3 x 686.1 x 128.1mm
- Net Weight (without stand): 77 lbs. / 35 kg

**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-Link Backlighting

**SHIPS WITH**

- Power cord; DVI Cable; Batteries; CD-ROM (user manual); Option board slot cover; Screws, Thumb screws

**OPTIONAL ACCESSORIES**

- NEC: Display Wall Calibrator Kit (KT-46UN-CC); External Single Board Computer (TNETPC-ION); Wall Mount - Landscape (WM-SSUN-L); Wall Mount - Portrait (WM-SSUN-P)
- Third Party: TTUFF Single Board Computer (APE-20HD-NEC, DPE-80HD-NEC); TTUFF Media Player (DMD-80HD-NEC); MiniCom Media Player-3600 (OVS3100NEC); MiniCom Media Player-1000X (OVS3101NEC); OPS with Intel Core i5 (N8000-B850); OPS with AMD Dual Core Fusion, 160GB Hard Drive, W7P (OPS-PCAF-H); OPS with AMD Dual Core Fusion, 32GB SSD, W7P (OPS-PCAF-F3); OPS with AMD Dual Core Fusion, 160GB SSD, W7P (OPS-PCAF-H);

* Warranty restrictions apply. Contact your representative for details.

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**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.

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**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.**