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

<table>
<thead>
<tr>
<th>X463UN</th>
<th>X551UN</th>
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</thead>
<tbody>
<tr>
<td><strong>Panel Technology</strong></td>
<td>SPVA (P-DID)</td>
</tr>
<tr>
<td><strong>Viewable Image Size</strong></td>
<td>46”</td>
</tr>
<tr>
<td><strong>Native Resolution</strong></td>
<td>1920 x 1080</td>
</tr>
<tr>
<td><strong>Brightness (Typical/Max)</strong></td>
<td>500 / 700 cd/m²</td>
</tr>
<tr>
<td><strong>Viewing Angle (Typical)</strong></td>
<td>178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR&gt;10</td>
</tr>
<tr>
<td><strong>Response Time (white to black)</strong></td>
<td>8ms</td>
</tr>
<tr>
<td><strong>Aspect Ratio</strong></td>
<td>16:9</td>
</tr>
<tr>
<td><strong>Active Screen Area (W x H)</strong></td>
<td>40.1 x 22.5 in. / 1018.1 x 572.7mm</td>
</tr>
<tr>
<td><strong>Displayable Colors</strong></td>
<td>More than 16.7 million</td>
</tr>
</tbody>
</table>

### 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

#### Output Terminals

- **Digital:** DisplayPort, DVI-D
- **Analog:** BNC Composite
- **Audio:** Stereo Mini-Jack, External Speaker Jack

#### External Control

- **RS-232C, LAN, IR Remote, DDC/CI**

### Power Consumption

- **On (Typical):** 120W
- **ECO Mode Standby:** <0.5W
- **ECO Mode Standby (Typical):** <1W

### 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 capability; 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; Thumb screws; 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, 32GB SSD, W7E (OPS-PCAF-W); OPS with AMD Dual Core Fusion, 160GB Hard Drive, No OS (OPS-PCAF-H); 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.

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**Image Gap Comparison**

![Image Gap Comparison](image_url)

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.