### Sharp’s 55-Inch Full-HD Monitors

**Expand Choices for Video Wall Installations**

**Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>PN-V551P</th>
<th>PN-V550</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model Name</td>
<td>PN-V551P</td>
<td>PN-V550</td>
</tr>
<tr>
<td>Landscape / Portrait</td>
<td>55-inch widescreen (138.8 cm diagonal)</td>
<td>55-inch widescreen (138.8 cm diagonal)</td>
</tr>
<tr>
<td>Resolution</td>
<td>1,920 x 1,080 pixels</td>
<td>1,920 x 1,080 pixels</td>
</tr>
<tr>
<td>Colors (approx.)</td>
<td>16.77 million colours</td>
<td>16.77 million colours</td>
</tr>
<tr>
<td>Pixel Pitch (H x V)</td>
<td>0.63 x 0.63 mm</td>
<td>0.63 x 0.63 mm</td>
</tr>
<tr>
<td>Brightness*1</td>
<td>700 cd/m² (default: 550 cd/m²)</td>
<td>700 cd/m² (default: 550 cd/m²)</td>
</tr>
<tr>
<td>Contrast Ratio*1</td>
<td>3,500 : 1</td>
<td>3,500 : 1</td>
</tr>
<tr>
<td>Viewing Angle (H/V)</td>
<td>178°/178° (CR 10)</td>
<td>178°/178° (CR 10)</td>
</tr>
<tr>
<td>Active Screen Area (W x H)</td>
<td>1,209.6 x 680.4 mm (47 5/8” x 26 13/16”)</td>
<td>1,209.6 x 680.4 mm (47 5/8” x 26 13/16”)</td>
</tr>
<tr>
<td>Response Time*6</td>
<td>8 ms (grey to grey, avg.)</td>
<td>8 ms (grey to grey, avg.)</td>
</tr>
<tr>
<td>Backlight</td>
<td>LED, full array</td>
<td>LED, full array</td>
</tr>
<tr>
<td>Computer Input</td>
<td>Analogue RGB (0.7 Vp-p) [75 /75], Digital (conforms to DVI 1.0 standards), DisplayPort 1.1a</td>
<td>Analogue RGB (0.7 Vp-p) [75 /75], Digital (conforms to DVI 1.0 standards), DisplayPort 1.1a</td>
</tr>
<tr>
<td>Video Synchronisation</td>
<td>Horizontal/vertical separation (TTL: positive/negative), Sync-on-green<em>2, Composite sync</em>2 (TTL: positive/negative)</td>
<td>Horizontal/vertical separation (TTL: positive/negative), Sync-on-green<em>2, Composite sync</em>2 (TTL: positive/negative)</td>
</tr>
<tr>
<td>Plug &amp; Play</td>
<td>VESA DDC2B</td>
<td>VESA DDC2B</td>
</tr>
<tr>
<td>Power Management</td>
<td>VESA DPMS, DVI DMPM</td>
<td>VESA DPMS, DVI DMPM</td>
</tr>
<tr>
<td>Video Colour System</td>
<td>NTSC (3.58 MHz, 4.43 MHz), PAL, PAL60, SECAM</td>
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</tr>
<tr>
<td>Input Terminals*3</td>
<td>HDMI™* 4 x 1, Mini D-sub 15-pin x 1<em>5, video x 1</em>5, Component video x 1*5, DisplayPort x 1, DVI-I-29 pin (HDCP compatible) x 1, 3.5 mm-diameter mini stereo jack x 1, RS-232C x 1, D-sub 9-pin x 1, Control kit terminal x 1</td>
<td>HDMI™* 4 x 1, Mini D-sub 15-pin x 1<em>5, video x 1</em>5, Component video x 1*5, DisplayPort x 1, DVI-D 24-pin (HDCP compatible) x 1, 3.5 mm-diameter mini stereo jack x 1, RS-232C x 1, D-sub 9-pin x 1, Control kit terminal x 1</td>
</tr>
<tr>
<td>Output Terminals*3</td>
<td>DisplayPort*6 x 1, DVI-D 24-pin (HDCP compatible) x 1, 3.5 mm-diameter mini stereo jack x 1, RS-232C x 1, D-sub 9-pin x 1</td>
<td>DisplayPort*6 x 1, DVI-D 24-pin (HDCP compatible) x 1, 3.5 mm-diameter mini stereo jack x 1, RS-232C x 1, D-sub 9-pin x 1</td>
</tr>
<tr>
<td>Power Supply</td>
<td>VESA (4 points), 400 mm (15 3/4”) pitch</td>
<td>VESA (4 points), 400 mm (15 3/4”) pitch</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>210 W</td>
<td>185 W</td>
</tr>
<tr>
<td>Environmental Conditions</td>
<td>0°C to 40°C</td>
<td>0°C to 40°C</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>20% to 80% RH (no condensation)</td>
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</tr>
<tr>
<td>Dimensions (approx.)</td>
<td>1,213.5 x 113.8 x 684.3 mm (47 3/4” x 4 1/2” x 26 15/16”)</td>
<td>1,213.5 x 113.8 x 684.3 mm (47 3/4” x 4 1/2” x 26 15/16”)</td>
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<tr>
<td>Weight (approx.)</td>
<td>27.5 kg (60.2 lbs)</td>
<td>25.0 kg (55.1 lbs)</td>
</tr>
<tr>
<td>Main Accessories</td>
<td>Cable clamp x 4, cable clamp (insertion type) x 2, power cord x 1, CD-ROM x 1, set-up manual x 1, remote control sensor box mounting hole concealing sticker x 2</td>
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**Options**

- PN-ZR42 : Long Mirror Frame
- PN-ZR43 : Short Mirror Frame
- PN-ZR01A : Control Kit (remote controller and remote control sensor box)

**Notes:***

- Brightness and contrast ratio depend on input mode and other picture settings. Brightness level will decrease slightly when the screen is dark and in the dark environment of the operating room. Due to the physical limitations of the equipment, it is not possible to maintain a precisely constant level of brightness.
- D-sub input terminal only.
- Use a commercially available connection cable for PC and other video components. For both PC and AV components.
- Analogue PC, video, and component video are switchable (via the bottom interface); use the menu to select. Note that video and component video inputs require a conversion cable connected via the mini D-sub 15-pin jack.
- For video signals only.
- Display only, not including protrusions.

**Design and Specifications Are Subject To Change Without Prior Notice.**

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High-Quality Digital Signage Solutions Offer Style and Precision

Sharp’s 55-inch full high-definition PN-V551/V550 professional LCD monitors feature a 3.5 mm* ultra-slim bezel that gives you the flexibility to build video walls with the dimensions to grace virtually any commercial or public space. Whether installed in a shopping mall, hotel, control room, transport hub, or conference hall, a bank of these monitors will convey your message with overwhelming style and precision. Four monitors set up in a 2 x 2 configuration, for example, will let you display every last pixel of native 4K Ultra HD (3,840 x 2,160-pixel) content on the equivalent of a 110-inch screen. Thanks to Sharp UCCT (Uniform Colour Calibration Technology), colour reproduction and brightness are beautifully consistent on each individual LCD monitor and thus across the entire video wall.

* 3.5 mm is the minimum combined frame width for neighbouring monitors, excluding the gap between the monitors.

Dynamic Video Wall Setup Delivers High Visual Impact

Whether in a commercial or business setting, multiple full-HD PN-V551/V550 monitors can be joined together to create an eye-catching video wall that expands the reach of your message. Multi-monitor configurations are easy to assemble and easy to control via the RS-232C interface or via a network.

Excellent Image Quality

The PN-V551 and PN-V550 combine full-HD (1,920 x 1,080-pixel) resolution with a display brightness of 700 cd/m² and 500 cd/m² respectively, to deliver stunningly bright and detailed images. Full-HD resolution ensures that everything from fine text to intricate graphics is displayed crisply and clearly. Four PN-V551/V550 monitors set up in a 2 x 2 configuration, for example, can beautifully render every single pixel of 4K Ultra HD (3,840 x 2,160-pixel) content in a form equivalent to a 110-inch LCD monitor. What’s more, Sharp UCCT (Uniform Colour Calibration Technology) realises brilliant uniformity of colour and brightness.

Sharp UCCT (Uniform Colour Calibration Technology) Significantly Increases Uniformity of Colour*

To varying degrees, unevenness of colour and brightness may occur in LCDs. To compensate for this, Sharp UCCT ensures uniformity of colour and brightness across the entire LCD monitor by properly adjusting colour levels with high precision and high definition (at the pixel level).

* Brightness level may decrease when activating UCCT.
Ultra-Slim Bezel

The ultra-slim bezel on a PN-V551/V550 enables you to combine multiple units to create a virtually seamless digital canvas. The bezels of adjacent monitors in a video wall combine for a total bezel width of just 3.5 mm—1.2 mm on the right and bottom sides, and 2.3 mm on the left and top sides. This enables the display of large, crisp images with minimal distraction and maximal impact.

*1: Minimum combined frame width for neighbouring monitors, excluding the gap between them.
*2: Non-display area for neighbouring monitors is 3.9 mm.

Four-Corner Carrying Handles for Safe Setup

To ensure safe handling of the PN-V551/V550, all four of its corners are fitted with robust carrying handles. Together with the monitor’s light weight of 27.5 kg, these handles enable safe transport and easy, time-saving installation—whether vertically or horizontally.

Choice of Installation Mode

The PN-V551/V550 offers a choice of landscape or portrait installation, allowing customers to select the mode that best suits their display content and application.

Mirror Frames (PN-ZR42/ZR43*)

In multi-monitor configurations, optional Mirror Frames minimise the visible lines between slim-bezel PN-V551/V550 monitors by reflecting mirror images of the display content. This creates more dynamic video walls and an even smoother big-picture effect.

Control Kit (PN-ZR01A)

When one of the monitors in a video wall is fitted with a remote control sensor box, all of the monitors can be conveniently operated through one remote control unit.

24/7 Operation

Built solid, the PN-V551/V550 is ideal for use in 24-hour stores and in other demanding professional applications that require round-the-clock operation seven days a week.
## Specifications

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<tr>
<th>Model Name</th>
<th>PN-V551</th>
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<tbody>
<tr>
<td>Installation</td>
<td>Landscape / Portrait</td>
<td></td>
</tr>
<tr>
<td>LCD Panel</td>
<td>55-inch widescreen (138.8 cm diagonal) TFT LCD</td>
<td></td>
</tr>
</tbody>
</table>

**Input/Output Terminals**

- **PC analogue input RGB** (D-sub)
- **Audio output**
- **RS-232C output**
- **LAN port**

**PC input**

- **DisplayPort**
- **Digital (HDMI)**
- **DVI-D (HDCP compatible)**
- **Audio input**
- **Control kit terminal**

**PC output**

- **DisplayPort**
- **Digital (HDMI)**
- **DVI-D (HDCP compatible)**

**PC/AV input**

- **HDMI™**
- **Component Video**
- **DisplayPort**
- **DVI-I (HDCP compatible)**

**Computer Input**

- **RS-232C input**
- **Audio input**
- **LAN port**

**Power Management**

- **VESA DPMS, DVI DMPM**

**Video Colour System**

- **NTSC (3.58 MHz, 4.43 MHz), PAL, PAL60, SECAM**

**Input Terminals**

- **HDMI™**
- **Component Video**
- **DisplayPort**
- **DVI-I (HDCP compatible)**
- **Control kit terminal**

**Output Terminals**

- **DisplayPort**
- **DVI-D (HDCP compatible)**
- **Audio input**
- **Control kit terminal**

**Input/Output Terminals**

- **LAN port**

**Mounting**

- **VESA (4 points)**

**Environmental Conditions**

- **Operating Temperature**: 0°C to 40°C
- **Operating Humidity**: 20% to 80% RH (no condensation)

**Dimensions (W x D x H) (approx.)**

- **1,209.6 x 680.4 mm (47 5/8" x 26 13/16")**
- **1,213.5 x 684.3 mm (47 3/4" x 26 15/16")**

**Weight (approx.)**

- **27.5 kg (60.2 lbs)**

**Main Accessories**

- **Cable clamp x 4, cable clamp (insertion type) x 2, power cord x 1, CD-ROM x 1, set-up manual x 1, remote control sensor box mounting hole concealing sticker x 2**

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**Notes:**

1. Brightness and contrast ratio depend on input mode and other picture settings. Brightness level will decrease slightly over the lifetime of the product. Due to the physical limitations of the equipment, it is not possible to maintain a precisely constant level of brightness.
2. D-sub input terminal only.
3. Use a commercially available connection cable for PC and other video connections.
4. For both PC and AV components.
5. Analogue PC, video, and component video are switchable (via the bottom interface); use the menu to select. Note that video and component video inputs require a conversion cable connected via the mini D-sub 15-pin jack.
6. For video signals only.
7. Display only, not including protrusions.

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**Dimensions**

- **1,213.5 (47 3/4)**
- **684.3 (26 15/16)**
- **680.4* (26 13/16)**
- **342.15 (13 1/2)**
- **606.75 (23 7/8)**
- **1,209.6* (47 5/8)**
- **40.1 (1 9/16)**
- **63.7 (2 1/2)**
- **113.8 (4 1/2)**
- **200 (7 7/8)**
- **200 (7 7/8)**

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**Options**

- **PN-ZR01A : Control Kit** (remote controller and remote control sensor box)
- **PN-ZR42 : Long Mirror Frame**
- **PN-ZR43 : Short Mirror Frame**