High Definition and Flexible Installation for 24/7 Operation

- Vivid 4K high definition 24/7 operation
  - 4 times the pixel resolution of Full-HD, showing lifelike images with incredible realism.

- Built-in media player provides 4K signage without a separate PC
  - By utilizing a commercially available USB drive, 4K still images or videos can easily be displayed without the need of a PC.

- Flexible installation
  - PN-HY series supports Landscape/Portrait/Face-up/Face-down/Tilt-forward/Tilt-backward installation.

- USB Memory Slot
  - Attach the included cover to prevent theft of a USB memory drive.
Specifications

<table>
<thead>
<tr>
<th>Model Name</th>
<th>PN-HY551</th>
<th>PN-HY501</th>
<th>PN-HY431</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation</td>
<td>Landscape / Portrait / Face-up / Face-down / Tilt-forward / Tilt-backward</td>
<td>Landscape / Portrait / Face-up / Face-down / Tilt-forward / Tilt-backward</td>
<td>Landscape / Portrait / Face-up / Face-down / Tilt-forward / Tilt-backward</td>
</tr>
<tr>
<td>LCD Panel</td>
<td>55” class (94 1/2” diagonal) TFT LCD</td>
<td>50” class (91 1/2” diagonal) TFT LCD</td>
<td>43” class (82 1/2” diagonal) TFT LCD</td>
</tr>
<tr>
<td>Backlight</td>
<td>LED, full array</td>
<td>LED, full array</td>
<td>LED, full array</td>
</tr>
<tr>
<td>Max. Display Colors (approx.)</td>
<td>1,070 million colors</td>
<td>1,070 million colors</td>
<td>1,070 million colors</td>
</tr>
<tr>
<td>Pixel Pitch (HxV)</td>
<td>0.315 x 0.315 mm</td>
<td>0.285 x 0.285 mm</td>
<td>0.245 x 0.245 mm</td>
</tr>
<tr>
<td>Max Brightness</td>
<td>500 cd/m²</td>
<td>500 cd/m²</td>
<td>500 cd/m²</td>
</tr>
<tr>
<td>Contrast Ratio</td>
<td>5,000 : 1</td>
<td>5,000 : 1</td>
<td>5,000 : 1</td>
</tr>
<tr>
<td>Viewing Angle(H/V)</td>
<td>178°/178° (CR ≥10)</td>
<td>178°/178° (CR ≥10)</td>
<td>178°/178° (CR ≥10)</td>
</tr>
<tr>
<td>Active Screen Area(WxH)</td>
<td>47 1/2” x 26 1/2”</td>
<td>43 1/2” x 24 1/2”</td>
<td>37 1/2” x 20 1/2”</td>
</tr>
<tr>
<td>Response Time</td>
<td>8ms (grey to grey, avg.)</td>
<td>8ms (grey to grey, avg.)</td>
<td>8ms (grey to grey, avg.)</td>
</tr>
<tr>
<td>Computer Input</td>
<td>Video</td>
<td>Analog RGB (0.7 Vp-p)</td>
<td>Analog RGB (0.7 Vp-p)</td>
</tr>
<tr>
<td></td>
<td>Synchronization</td>
<td>Horizontal/vertical separation (TTL: positive/negative)</td>
<td>Horizontal/vertical separation (TTL: positive/negative)</td>
</tr>
<tr>
<td></td>
<td>Plug &amp; Play</td>
<td>VESA DDC2B</td>
<td>VESA DDC2B</td>
</tr>
<tr>
<td>Input Terminals</td>
<td>Video</td>
<td>Mini D-sub 15-pin × 1</td>
<td>Mini D-sub 15-pin × 1</td>
</tr>
<tr>
<td></td>
<td>Audio</td>
<td>3.5mm mini stereo jack x 1</td>
<td>3.5mm mini stereo jack x 1</td>
</tr>
<tr>
<td></td>
<td>Serial (RS-232C)</td>
<td>D-sub 9 pin x 1</td>
<td>D-sub 9 pin x 1</td>
</tr>
<tr>
<td>Output Terminals</td>
<td>Audio</td>
<td>RCA pin (L/R) x 1</td>
<td>RCA pin (L/R) x 1</td>
</tr>
<tr>
<td></td>
<td>Serial (RS-232C)</td>
<td>D-sub 9 pin x 1</td>
<td>D-sub 9 pin x 1</td>
</tr>
<tr>
<td>USB Port</td>
<td></td>
<td>USB port (2.0-compliant) x 1</td>
<td>USB port (2.0-compliant) x 1</td>
</tr>
<tr>
<td>LAN Terminal</td>
<td></td>
<td>10Base-T/100Base-TX</td>
<td>10Base-T/100Base-TX</td>
</tr>
<tr>
<td>Speakers Output</td>
<td></td>
<td>10W + 10W</td>
<td>10W + 10W</td>
</tr>
<tr>
<td>Power Requirement</td>
<td></td>
<td>AC 100 - 240 V, 50/60 Hz</td>
<td>AC 100 - 240 V, 50/60 Hz</td>
</tr>
<tr>
<td>Mounting</td>
<td></td>
<td>4 points, 200 × 200 mm pitch, M6 screw</td>
<td>4 points, 400 × 400 mm pitch, M6 screw</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td></td>
<td>32°F to 104°F (0°C to 40°C)</td>
<td>32°F to 104°F (0°C to 40°C)</td>
</tr>
<tr>
<td>Operating Humidity</td>
<td></td>
<td>20% to 85% (no condensation)</td>
<td>20% to 85% (no condensation)</td>
</tr>
<tr>
<td>Power Consumption (Input signal waiting state/standby mode)</td>
<td></td>
<td>150 W (1W / 0.5W)</td>
<td>110 W (1W / 0.5W)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>110 W (1W / 0.5W)</td>
<td>100 W (1W / 0.5W)</td>
</tr>
<tr>
<td>Dimensions (approx.)</td>
<td></td>
<td>48 1/2” x 2 1/2” x 28 1/2”</td>
<td>44 1/2” x 2 1/2” x 25 1/2”</td>
</tr>
<tr>
<td></td>
<td></td>
<td>48 1/2” x 2 1/2” x 28 1/2”</td>
<td>38 1/2” x 2 1/2” x 22 1/2”</td>
</tr>
<tr>
<td>Weight (approx.)</td>
<td></td>
<td>39.7 lbs</td>
<td>33.1 lbs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>25.4 lbs</td>
<td>25.4 lbs</td>
</tr>
</tbody>
</table>

*1 Brightness depends on input mode and other picture settings. Brightness level will decrease over time. Due to the nature of the equipment, it is not possible to precisely maintain a constant level of brightness.

*2 Use a commercially available connection cable for PC and other video connections. *2 When using the monitor lying flat on a surface (or when the monitor is tilted more than 20 degrees upward or downward from the perpendicular in relation to a level surface) the ambient temperature must be within the range of 0°C to 30°C. Temperature conditions may change when using the monitor together with optional equipment. In such cases, check the temperature conditions specified by the optional equipment. *4 No optional part is attached.

**Note that the values shown are approximate values.

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Units: inch (mm)

Design and specifications are subject to change without prior notice.

SHARP ELECTRONICS CORPORATION
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Specifications

PN-HY551

PN-HY501

PN-HY431

Input/Output Terminals

Bottom (when placed horizontally)

Left side* (when placed horizontally)

* When viewed from the front

IR output

HDMI Input

RS-232C input

LAN

HDMI Input

Voice Input

Audio output

PC input analog RGB (D-sub)

USB

Units: inch (mm)

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PN-HS431/PN-HY431

PN-HS501/PN-HY501

PN-HS551/PN-HY551

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