Deliver Crowd-Pleasing 4K to Any Location

<table>
<thead>
<tr>
<th>Model Name</th>
<th>PN-UH861</th>
<th>PN-UH551</th>
<th>PN-UH701</th>
<th>PN-UH501</th>
<th>PN-UH601</th>
<th>PN-UH431</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Commercial LCD Displays</strong> (PN-UH431)</td>
<td>PN-UH501</td>
<td>PN-UH551</td>
<td>PN-UH601</td>
<td>PN-UH701</td>
<td>PN-UH861</td>
<td></td>
</tr>
</tbody>
</table>

**Specifications**

- **Backlight:** LED, edge lit; LED, direct lit
- **Response Time:** 8 ms, 9 ms, 8 ms
- **Active Screen Area (W × H):** 74 11/16″ (1,897)*1, 60 21/32″ (1,540.6)*1, 52 15/32″ (1,332.4)*1
- **Viewing Angle (H/V):** 178°/178° (CR 10), 176°/176° (CR 10), 178°/178° (CR 10)
- **Contrast Ratio:** 1,200 : 1, 4,000 : 1
- **Max. Brightness:** 400 cd/m², 300 cd/m²
- **Pixel Pitch (H × V):** 0.4935 × 0.4935 mm, 0.40075 × 0.40075 mm, 0.347 × 0.347 mm
- **Max. Display Colors (approx.):** 1.07 billion colors
- **Max. Resolution:** 3,840 × 2,160 pixels
- **Antenna Terminal:** Analog/Digital Tuner
- **Plug & Play:** VESA DDC2B
- **Serial (RS-232C):** Mini D-sub 15-pin × 1, HDMI × 2
- **LAN:** 10Base-T/100Base-TX × 1
- **USB (2.0-compliant):** × 1*3
- **Audio:** RCA pin (L/R) × 1, 3.5 mm-diameter mini stereo jack × 1*4
- **Power Supply:** 120 V AC, 60 Hz
- **Power Consumption:** 330 W, 185 W, 165 W, 140 W, 130 W, 105 W
- **Speaker Output:** 10 W + 10 W
- **Dimensions (W × D × H) (approx.) (display only):** 74 11/16″ × 41 15/16″, 60 19/32″ × 34 3/32″, 52 25/64″ × 29 15/32″
- **Screw holes for mounting brackets:** *1
- **Mounting brackets:** Screw holes for
- **Temperature conditions:** 0°C to 40°C
- **Operation modes:** Analog RGB (0.7 Vp-p) [75Ω], HDMI™
- **RS-232C:** Requires the bundled RS-232C conversion cable. The terminal is shared with both the RS-232C and IR
- **Brightness:** Brightness depends on input mode and other picture settings. Brightness level will decrease slightly over the lifetime due to the physical limitations of the equipment, it is not possible to maintain a precisely constant level of brightness. *2
- **Connection cable:** Use a commercially available connection cable for PC and other video connections.
- **Supported media formats:** JPEG (.jpg) for still image, MP3 for audio, MP4, TS for video
- **Units:** inch (mm)

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*1 To use the mounting bracket, use M8 screws that are 10 to 12 mm plus the thickness of the bracket.
*2 To use the mounting bracket, use M6 screws that are 8 to 10 mm plus the thickness of the bracket.

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Commercial Monitors Offer Signage to Inform and 4K Content to Entertain

Engage, inform, and entertain your audience with a Sharp commercial LCD display. Offered in a range of sizes from 43" Class (42 ½" diagonal) to 86" Class (85 ½" diagonal), the PN-UH861/UH701/UH601/UH551/UH501/UH431 displays deliver your message with eye-catching detail at every scale. Along with 4K Ultra HD resolution, it boasts a built-in USB media player. So, even without a connected PC, you can display photos and videos with amazing realism. Belying its slimline profile, this monitor packs advanced professional features and an on-board NTSC/ATSC tuner. Whether you set it up in a retail, hospitality, or business setting, this monitor is built to make an impact.

Find the Perfect-sized Solution to Deliver Your Message in Style

**Superb 4K Image Quality**
With four times the pixel resolution of full HD, the PN-UH series brings out all of the color depth, detail, and clarity that the content creator intended. Videos and photos at 4K Ultra HD have subtle textures and fine details not visible at full HD. The high pixel count means there’s no need to worry about jaggies, even on the largest screen.

**Slim Body Suits Any Location**
Fit more screen in less space. The PN-UH series is streamlined for a pleasing appearance and minimal protruding parts, and with a depth of less than 4", they are all ADA compliant. The thin bezel makes for easy placement in offices, public places, stores and other commercial locations.

**Built-in NTSC/ATSC Tuner**
Thanks to its built-in NTSC/ATSC tuner, a PN-UH series monitor can be used not only for signage, but also for displaying broadcasts. In high-traffic areas, you could use it for signage during the day and for 4K entertainment at night.

Choice of Screen Size
This series of monitors comes in six sizes to suit a hugely diverse range of display scenarios.

Stylish to See, Easy to Use

**Signage with Built-in Media Player**
The PN-UH series can play photo slideshows and videos—all without a PC or set-top box. Since you don’t need a large playback source, installation is easy and space-efficient. A built-in USB media player lets you play 4K Ultra HD photos, full HD* videos, or music stored on a connected USB memory device. For your convenience, photos or videos can be played automatically.

Note: If you’re planning a large-scale signage installation, please consult your local authorized Sharp dealer or representative.
* PN-UH861/UH551/UH501/UH431: full HD 30p
 PN-UH701/UH601: 4K 30p

**A Visual Boost to Presentations**
Add impact to your business presentations by connecting your PC to a PN-UH series monitor. Text, graphs, pictures, and tables can all be displayed in stunningly detailed 4K Ultra HD resolution*.

*For native 4K content.
Commercial Monitors Offer Signage to Inform and 4K Content to Entertain

With four times the pixel resolution of full HD, the PN-UH series brings out all of the color depth, detail, and clarity that the content creator intended. Videos and photos at 4K Ultr HD have subtle textures and fine details not visible at full HD. The high pixel count means there's no need to worry about jaggies, even on the largest screen.

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* For native 4K content.

A Visual Boost to Presentations

Stylish to See, Easy to Use

Thanks to its LAN/RS-232C interface, the PN-UH series can be easily controlled and monitored from a central location via a PC. This enables you to remotely turn the monitor on or off, switch its input, or adjust the screen and settings.

Note: Functions that can be controlled via LAN/RS-232C are limited. Some systems require an individual PC to control each monitor.

LAN/RS-232C Control

Thanks to its LAN/RS-232C interface, the PN-UH series can be easily controlled and monitored from a central location via a PC. This enables you to remotely turn the monitor on or off, switch its input, or adjust the screen and settings.

16/7 Operation

The PN-UH series is designed for heavy use under tough operating conditions. This reliable and commanding monitor easily handles the daily demands of 16-hour professional applications. Even after long hours of continuous operation, it delivers a sharp, clear picture.

Lock Function

The LCD monitor and remote controller can be locked to prevent unwanted adjustments by people in public locations such as stores and restaurants.

Other Key Features

- Fanless architecture maintains airflow while dissipating heat, without the use of noisy, dust-creating mechanical ventilation fans. The fanless design also makes maintenance easier to perform.
- Built-in speakers eliminate the need for external speakers and ensure a stylistically streamlined profile.
- 3-year limited commercial warranty plus Sharp's best-in-class customer support service.

Terms

- HDMI 1 input
- HDMI 2 input
- USB port
- IR output (D-sub 9-pin)
- Audio output
- LAN port
- RS-232C input (D-sub 9-pin)
- Antenna/Cable input
- Audio input
- PC analog input RGB (D-sub 15-pin)
- 16/7 Operation
- Lock Function
- Fanless architecture
- Built-in speakers
- 3-year limited commercial warranty
Deliver Crowd-Pleasing 4K to Any Location

**Specifications**

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<tbody>
<tr>
<td><strong>Installation</strong></td>
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<tr>
<td><strong>LCD Panel</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Max. Resolution</td>
<td>3,840 × 2,160 pixels</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. Display Colors (approx.)</td>
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<td></td>
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<td>Pixel Pitch (H × V)</td>
<td>0.4935 × 0.4935 mm</td>
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<td></td>
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<td></td>
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<tr>
<td>Max. Brightness*1</td>
<td>400 cd/m²</td>
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</tr>
<tr>
<td>Contrast Ratio</td>
<td>1,200 : 1</td>
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<tr>
<td>Viewing Angle (H/V)</td>
<td>178°/178° (CR ≥ 10)</td>
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<tr>
<td>Active Screen Area (W × H)</td>
<td>74 1/4 × 41 1/4&quot;</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Response Time</td>
<td>8 ms</td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>Backlight</td>
<td>LED, edge lit</td>
<td></td>
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</tbody>
</table>

**Computer Input**

- **Video**: Analog RGB (0.7 Vp-p) [75Ω], HDMI
- **Plug & Play**: VESA DDC2B

**Analog/Digital Tuner**

- **NTSC, ATSC**

**Input Terminals**

- **Video**: Mini D sub-15-pin +1, HDMI +2
- **Serial (RS-232C)**: D-sub 9-pin = 1
- **USB Port**: USB (2.0-compliant) × 1*3
- **Audio**: 3.5 mm-diameter mini stereo jack × 1*4

**Output Terminals**

- **Audio**: RCA pin (L/R) = 1
- **IR**: D-sub 9-pin = 1
- **LAN**: 10Base-T/100Base-TX × 1

**Speaker Output**: 10 W + 10 W

**Power Supply**: 120 V AC, 60 Hz

**Power Consumption**: 330 W

**Dimensions**

### (PN-UH861)

- **Max. Brightness**: 400 cd/m²
- **Max. Display Colors (approx.)**: 1.07 billion colors
- **Max. Resolution**: 3,840 × 2,160 pixels
- **Max. Display Colors (approx.)**: 1.07 billion colors
- **Max. Brightness**: 400 cd/m²
- **Max. Resolution**: 3,840 × 2,160 pixels

### (PN-UH701)

- **Max. Brightness**: 300 cd/m²
- **Max. Display Colors (approx.)**: 1.07 billion colors
- **Max. Brightness**: 300 cd/m²
- **Max. Display Colors (approx.)**: 1.07 billion colors

### (PN-UH601)

- **Max. Brightness**: 250 cd/m²
- **Max. Display Colors (approx.)**: 1.07 billion colors
- **Max. Brightness**: 250 cd/m²
- **Max. Display Colors (approx.)**: 1.07 billion colors

### (PN-UH551)

- **Max. Brightness**: 200 cd/m²
- **Max. Display Colors (approx.)**: 1.07 billion colors
- **Max. Brightness**: 200 cd/m²
- **Max. Display Colors (approx.)**: 1.07 billion colors

### (PN-UH501)

- **Max. Brightness**: 175 cd/m²
- **Max. Display Colors (approx.)**: 1.07 billion colors
- **Max. Brightness**: 175 cd/m²
- **Max. Display Colors (approx.)**: 1.07 billion colors

### (PN-UH431)

- **Max. Brightness**: 150 cd/m²
- **Max. Display Colors (approx.)**: 1.07 billion colors
- **Max. Brightness**: 150 cd/m²
- **Max. Display Colors (approx.)**: 1.07 billion colors

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*1 Brightness depends on input mode and other picture settings. Brightness level will decrease slightly over the lifetime of the product.

*2 Use a commercially available connection cable for PC and other video connections. *3 Supported media formats: JPEG (.jpg) for still image, MP3 for audio, MP4, AVI, MKV, M2TS, MPEG for video. *4 Requires the bundled RS-232C conversion cable. The terminal is shared with both the RS-232C and IR. *5 Temperature conditions may change when using the monitor together with the optional equipment recommended by Sharp. In such cases, please check the temperature conditions specified by the optional equipment.

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**SHARP ELECTRONICS CORPORATION**

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1-800-BE-SHARP • www.sharpusa.com

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