

# SHARP

Be Original.

PN-UH861 PN-UH551  
PN-UH701 PN-UH501  
PN-UH601 PN-UH431

Commercial LCD Displays

## Deliver Crowd-Pleasing 4K to Any Location



# 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 1/2" diagonal) to 86" Class (85 5/8" 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.

### Choice of Screen Size

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

### 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.

## 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.

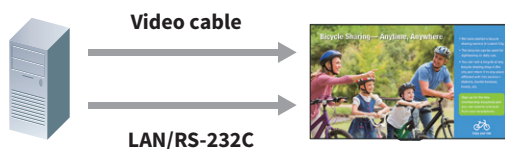


## Rock-Solid Professional Operation

### 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.

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



### 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.

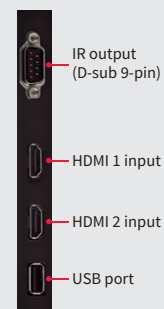
### Lock Function

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

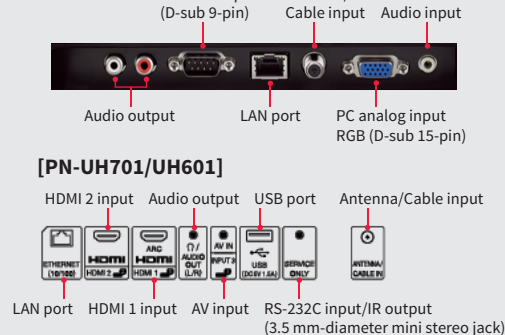
## Terminals

### [PN-UH861/UH551/UH501/UH431]

(Side)



(Bottom)



## Other Key Features

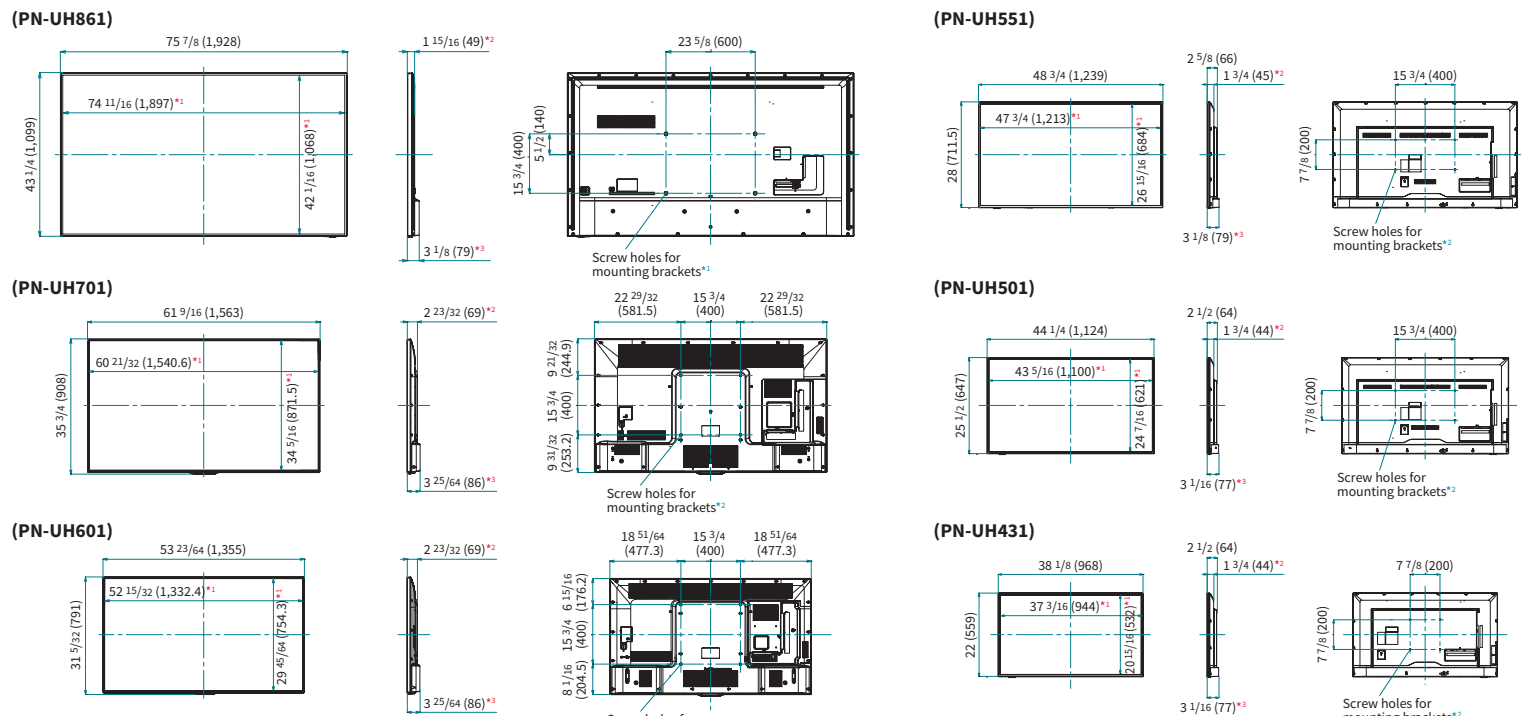
- **Fanless architecture** maintains airflow while dissipating heat, without the use of noisy, dust-creating mechanical ventilation fans. The fanless design also makes maintenance easier to perform.
- **Built-in speakers** eliminate the need for external speakers and ensure a stylishly streamlined profile.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

# Specifications

Model Name	PN-UH861	PN-UH701	PN-UH601	PN-UH551	PN-UH501	PN-UH431
Installation	Landscape					
LCD Panel	86" class (85 5/8" diagonal) LCD	70" class (69 43/64" diagonal) LCD	60" class (60 5/64" diagonal) LCD	55" class (54 5/8" diagonal) LCD	50" class (49 1/2" diagonal) LCD	43" class (42 1/2" diagonal) LCD
Max. Resolution	3,840 × 2,160 pixels					
Max. Display Colors (approx.)	1.07 billion colors					
Pixel Pitch (H × V)	0.4935 × 0.4935 mm	0.40075 × 0.40075 mm	0.347 × 0.347 mm	0.315 × 0.315 mm	0.2854 × 0.2854 mm	0.2451 × 0.2451 mm
Max. Brightness*1	400 cd/m <sup>2</sup>			300 cd/m <sup>2</sup>		
Contrast Ratio	1,200 : 1			4,000 : 1		
Viewing Angle (H/V)	178°/178° (CR ≥ 10)			178°/178° (CR ≥ 10)		
Active Screen Area (W × H)	74 7/8" × 41 15/16"	60 19/32" × 34 3/32"	52 25/64" × 29 15/32"	47 5/8" × 26 13/16"	43 1/8" × 24 1/4"	37 1/16" × 20 13/16"
Response Time	8 ms					
Backlight	LED, edge lit			LED, direct lit		
Computer Input	Video	Analog RGB (0.7 Vp-p) [75Ω], HDMI™	HDMI	Analog RGB (0.7 Vp-p) [75Ω], HDMI		
Plug & Play	VESA DDC2B					
Analog/Digital Tuner	NTSC/ATSC					
Input Terminals*2	Video	Mini D-sub 15-pin × 1, HDMI × 2	HDMI × 2	Mini D-sub 15-pin × 1, HDMI × 2		
Serial (RS-232C)	D-sub 9-pin × 1		3.5 mm-diameter mini stereo jack × 1*4		D-sub 9-pin × 1	
USB Port	USB (2.0-compliant) × 1*3					
Audio	3.5 mm-diameter mini stereo jack × 1*4					
Antenna Terminal	75 Ω F type					
Output Terminals*2	Audio	RCA pin (L/R) × 1	3.5 mm-diameter mini stereo jack × 1		RCA pin (L/R) × 1	
IR	D-sub 9-pin × 1		3.5 mm-diameter mini stereo jack × 1*4		D-sub 9-pin × 1	
Input/Output Terminals*2	LAN					
LAN	10Base-T/100Base-TX × 1					
Speaker Output	10 W + 10 W					
Power Supply	120 V AC, 60 Hz					
Power Consumption	330 W	185 W	165 W	140 W	130 W	105 W
Operating Temperature*5	0°C to 40°C					
Dimensions (W × D × H) (approx.) (display only)	75 7/8" × 3 3/8" × 43 1/4"	61 9/16" × 3 25/64" × 35 3/4"	53 23/64" × 3 25/64" × 31 5/32"	48 3/4" × 3 1/8" × 28"	44 1/4" × 3 1/16" × 25 1/2"	38 1/8" × 3 1/16" × 22"
Weight (approx.) (display only)	110.2 lbs	76.1 lbs	55.2 lbs	33.1 lbs	27.6 lbs	19.8 lbs

\*1 Brightness depends 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 Use a commercially available connection cable for PC and other video connections. \*3 Supported media formats: [PN-UH861/UH551/ UH501/UH431] JPEG (.jpg) for still image, MP3 for audio, MP4, TS for video [PN-UH701/UH601] 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.

## Dimensions



Units: inch (mm)

\*1 Screen dimensions \*2 Thinnest part \*3 Including projecting parts

\*4 To use the mounting bracket, use M8 screws that are 10 to 12 mm plus the thickness of the bracket. \*5 To use the mounting bracket, use M6 screws that are 8 to 10 mm plus the thickness of the bracket.



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