

# SHARP®

Be Original.

PNHS431  
PNHS501  
PNHS551

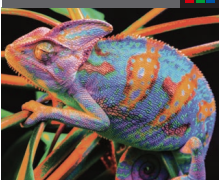
## Ultra-High Definition, High Brightness and Flexible Installation for 24/7 Operation



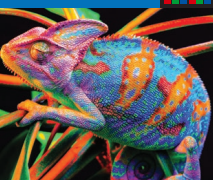
### Bright 700 cd/m<sup>2</sup> image is clear even in brightly lit areas

4 times the pixel resolution of Full-HD, showing lifelike images with incredible realism.

Full HD LCD panel



4K Ultra-HD LCD panel



### 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.

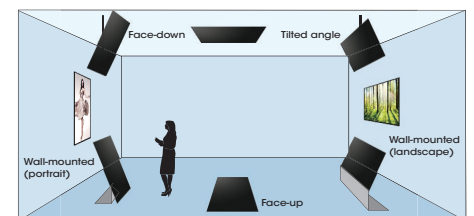
#### USB Memory Slot



Attach the included cover to prevent theft of a USB memory drive.

### Flexible installation

PNHS series supports Landscape/Portrait/Face-up/Face-down/Tilt-forward/Tilt-backward installation.



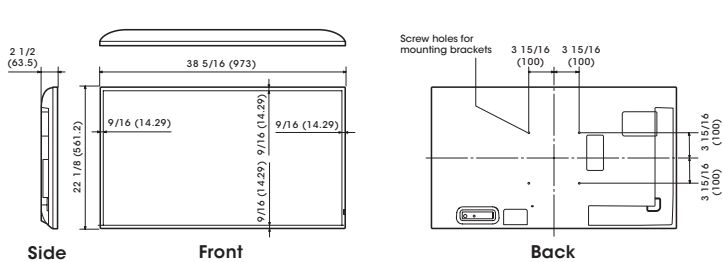
# Specifications

Model Name	PNHS431	PNHS501	PNHS551
Installation	Landscape / Portrait / Face-up / Face-down / Tilt-forward / Tilt-backward		
LCD Panel	43" class (42 1/2" diagonal) TFT LCD	50" class (49 1/2" diagonal) TFT LCD	55" class (54 5/8" diagonal) TFT LCD
Backlight	LED, full array		
Max. Resolution	3,840 x 2,160 pixels		
Max. Display Colours (approx.)	1,070 million colours		
Pixel Pitch (H x V)	0.2451 x 0.2451 mm	0.2854 x 0.2854 mm	0.315 x 0.315 mm
Max Brightness*1	700 cd/m <sup>2</sup>		
Contrast Ratio	1,200 : 1	4,000 : 1	5,000 : 1
Viewing Angle (H/V)	178°/178° (CR≥10)		
Active Screen Area (W x H)	37 1/16" x 20 13/16"	43 1/8" x 24 1/4"	47 5/8" x 26 13/16"
Response Time	8ms (grey to grey, avg.)		
Video	Analog RGB (0.7 Vp-p) [75Ω]		
Computer Input	Horizontal/vertical separation (TTL: positive/negative) VESA DDC2B		
Input Terminals*2	Video Mini D-sub 15-pin x 1, HDMI x 3		
Audio	3.5mm mini stereo jack x 1		
Serial (RS-232C)	D-sub 9 pin x 1		
Output Terminals*2	Video -		
Audio	RCA pin (L/R) x 1		
Serial (RS-232C)	D-sub 9 pin x 1		
USB Port	USB port (2.0 - compliant) x 1		
LAN Terminal	10Base-T/100Base-TX		
Speakers Output	10W + 10W		
Power Requirement	AC 100 - 240 V, 50/60 Hz		
Mounting	4 points, 400 x 400 mm pitch, M6 screw		4 points, 200 x 200 mm pitch, M6 screw
Environmental Conditions	Operating Temperature*3 32°F to 104°F (0°C to 40°C)		
Operating Humidity	20% to 80% (no condensation)		
Power Consumption (Input signal waiting state/standby mode*4)	140 W (1W / 0.5W)	150 W (1W / 0.5W)	190 W (1W / 0.5W)
Dimensions (approx.)	38 5/16" x 2 1/2" x 22 1/8"	44 7/16" x 2 1/2" x 25 9/16"	48 7/8" x 2 1/2" x 28 1/16"
Weight (approx.)	25.4 lbs	33.1 lbs	39.7 lbs

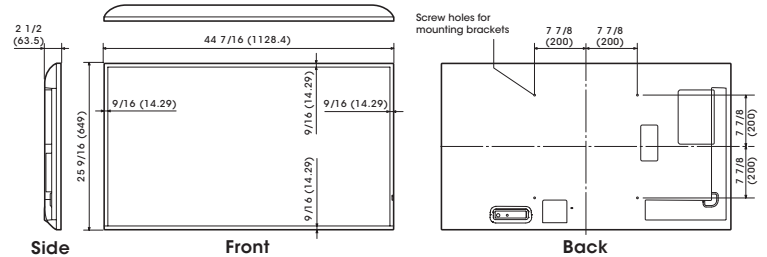
\*1 Brightness depends on input mode and other picture settings. Brightness level will decrease over time. Due to the nature of the equipment, it is not possible to precisely maintain a constant level of brightness.  
\*2 Use a commercially available connection cable for PC and other video connections. \*3 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.

## Dimensions

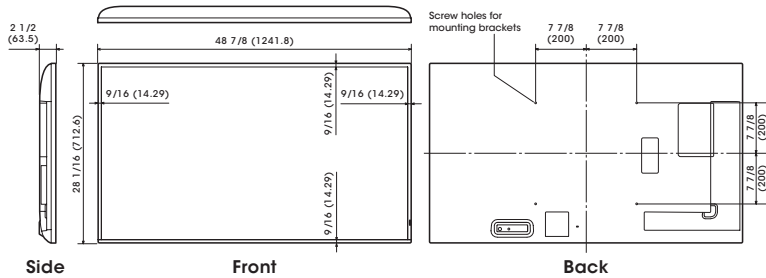
### PNHS431



### PNHS501



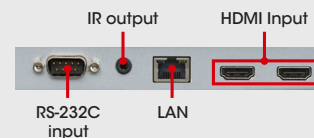
### PNHS551



## Input/Output Terminals

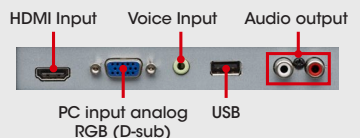
### Bottom

(when placed horizontally)



### Left side\*

(when placed horizontally)  
\*When viewed from the front



Units: inch (mm)



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