SHARP®

High Definition and
Flexible Installation for 24/7 Operation

4K
3840 × 2160 Pixels

Vivid 4K high definition 24/7 operation

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.
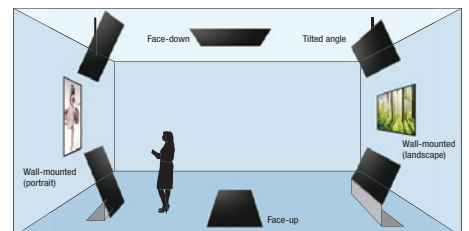
USB Memory Slot

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

Back

Flexible installation

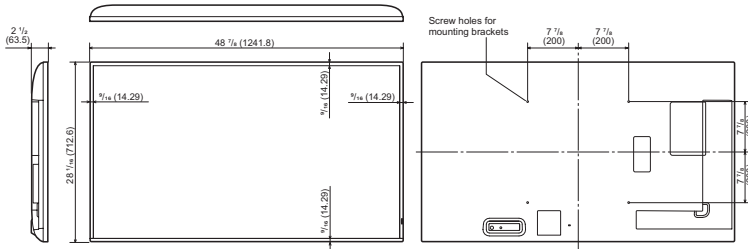PN-HY series supports Landscape/Portrait/ Face-up/Face-down/Tilt-forward/Tilt-backward installation.

Face-down
Tilted angle
Wall-mounted (portrait)
Wall-mounted (landscape)
Face-up

Specifications

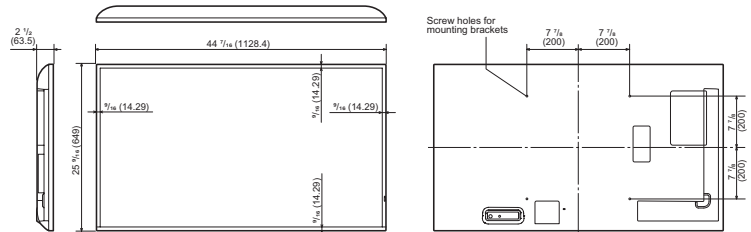| Model Name		PN-HY551	PN-HY501	PN-HY431
Installation		Landscape / Portrait / Face-up / Face-down / Tilt-forward / Tilt-backward		
LCD Panel		55" class (54 $^5/_8$" diagonal) TFT LCD	50" class (49 $^1/_2$" diagonal) TFT LCD	43" class (42 $^1/_2$" diagonal) TFT LCD
	Backlight	LED, full array		
	Max. Resolution	3,840 × 2,160 pixels		
	Max. Display Colors (approx.)	1,070 million colors		
	Pixel Pitch (HxV)	0.315 × 0.315 mm	0.2854 × 0.2854 mm	0.2451 × 0.2451 mm
	Max Brightness *1	500 cd/m 2		
	Contrast Ratio	5,000 : 1	4,000 : 1	1,200 : 1
	Viewing Angle(H/V)	178°/178° (CR ≧10)		
	Active Screen Area(W×H)	47 $^5/_8$" × 26 $^{13}/_{16}$"	43 $^1/_8$" × 24 $^1/_4$"	37 $^1/_{16}$" × 20 $^{13}/_{16}$"
	Response Time	8ms (grey to grey, avg.)		
Computer Input	Video	Analog RGB (0.7 Vp-p) [75Ω]		
	Synchronization	Horizontal/vertical separation (TTL: positive/negative)		
	Plug & Play	VESA DDC2B		
Input Terminals*2	Video	Mini D-sub 15-pin × 1, HDMI × 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) × 1		
LAN Terminal		10Base-T/100Base-TX		
Speakers Output		10W + 10W		
Power Requirement		AC 100 - 240 V, 50/60 Hz		
Mounting		4 points, 400 × 400 mm pitch, M6 screw		4 points, 200 × 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)		150 W (1W / 0.5W)	110 W (1W / 0.5W)	100 W (1W / 0.5W)
Dimensions (approx.)		48 $^7/_8$" × 2 $^1/_2$" × 28 $^1/_{16}$"	44 $^7/_{16}$" × 2 $^1/_2$" × 25 $^9/_{16}$"	38 $^5/_{16}$" × 2 $^1/_2$" × 22 $^1/_8$"
Weight (approx.)		39.7 lbs	33.1 lbs	25.4 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.
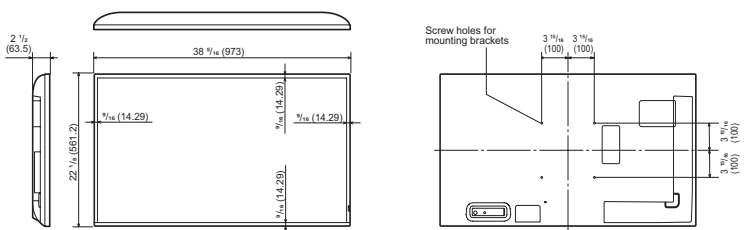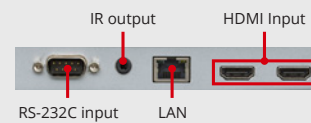
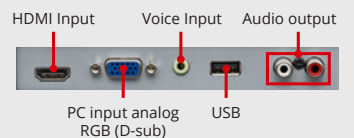# Specifications

PN-HY551

PN-HY501

PN-HY431

Input/Output Terminals

Bottom
(when placed horizontally)

IR output   HDMI Input
RS-232C input   LAN

Left side*
(when placed horizontally)
* When viewed from the front

HDMI Input   Voice Input   Audio output
PC input analog RGB (D-sub)   USB

Units: inch (mm)

Design and specifications are subject to change without prior notice.

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

SHARP®

01/22   Printed in the U.S.   PDD-21-002