

SHARP

PN-U553 / PN-U473 / PN-U423
Professional LCD Monitor

Sometimes you have just seconds to get noticed /**This is Why** we make sure you can be seen 24 hours, 7 days a week.



STREAMLINED STYLE FOR VERSATILE INSTALLATIONS

Sharp's line-up has expanded to add a new range of professional edge LED monitors in three screen sizes, 55", 47" and 42" that clearly have what it takes to get your message across. Designed for maximum impact, built for 24/7 durability, and sized for flexible installation, the PN-U range represents a dynamic new breed of indoor digital signage solutions. Thin and lightweight enough for easy installation in stores, offices, and public spaces, these monitors boast the outstanding image quality needed to deliver truly compelling digital signage.

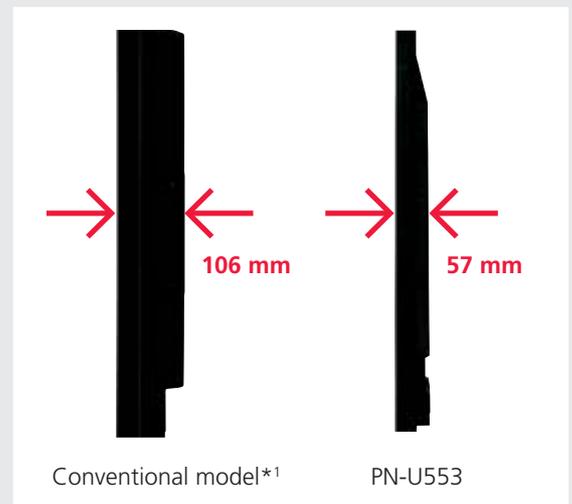
Your message matters /This is Why our super-slim professional displays make it stand out.

Excellent Image Quality

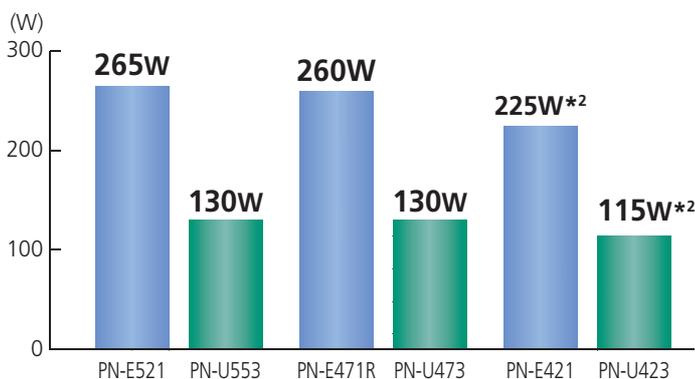
A brightness of 700 cd/m² (PN-U553/U473) or 500 cd/m² (PN-U423) make these models perfect for digital signage use, and 1,920 (H) x 1,080 (V)-pixel full-HD resolution makes certain that none of the detail or visual impact is lost. Thanks to full-HD resolution everything from fine text to intricate graphics is stunningly crisp and clear.

Thin, Lightweight Design

The PN-U range owes its exceptionally thin profile to edge-lit LED backlighting, where LED elements are located at the edges of the panel. These stylish, slimline and lightweight monitors look great and are easy to install in offices, public spaces, stores, and other commercial establishments.



Energy Efficiency



Edge-lit LED backlighting delivers reliable performance with low power consumption. In fact, PN-U553/U473/U423 monitors consume significantly less energy than conventional CCFL-backlight displays.

*1 PN-E521. *2 PN-U423/PN-E421 comparison is based on power consumption for PN-U423 at 500 cd/m² and PN-E421 at 700 cd/m².

Reliability/Durability

24/7 Operation

Built solid, PN-U range monitors are ideal for use in demanding professional applications that require around-the-clock operation seven days a week.

Power on Delay

The Power on Delay function allows a time delay between the startup of each monitor in multi-monitor installations. This reduces the load placed on the power supply when a number of monitors are turned on at the same time.

Fanless Architecture

Fanless architecture maintains airflow and dissipates heat without the use of mechanical air-ventilation fans, which can attract dust and create noise.

Built-In Temperature Sensor

Should the temperature inside a monitor rise, a built-in sensor will detect it, and the monitor will automatically lower the brightness level of its backlight system.

User-Friendly Design

Choice of Installation Mode

With a choice of **landscape** or **portrait** installation, customers can select the mode that best suits their display content and application. While portrait installation offers the look and impact of a poster, landscape installation puts wide images on vivid display.



Built-In Speakers

Ideal for conveying audio information and playing location-appropriate background music, PN-U553/U473/U423 monitors feature built-in 10W + 10W rear speakers that eliminate the need for external speakers and ensure a stylishly streamlined profile.

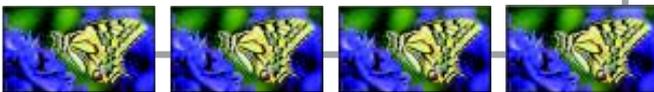
Expanded Connectivity

A comprehensive range of input/output terminals, including the **DisplayPort™** interface, comes as standard on PN-U553/U473/U423 monitors to give customers a variety of connection possibilities.

Image Functions

Mirror Display Mode (Daisy Chain)*³

With Mirror Display Mode, the same image can be displayed on a daisy chain of up to five PN-U-553/U473/U423 monitors. This can save money replacing additional amplifiers and video splitters.



Display Management

ID Setting

Thanks to an RS-232C interface, PN-U range models*⁴ can be easily controlled and monitored from a central location via a PC. Each monitor can be assigned an individual ID code to address when remotely turning that monitor on or off, changing its input, or making various screen adjustments and settings.



RS-232C straight cable

Enlarge (Zoom) Display Mode

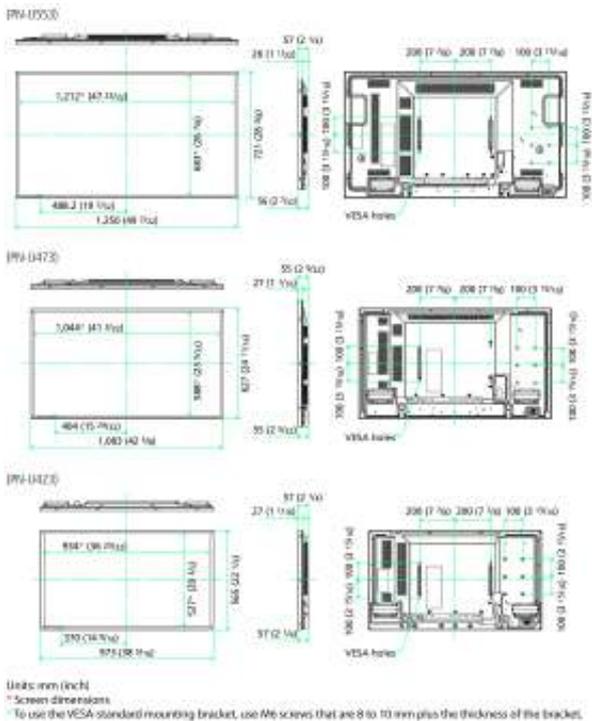
Multiple monitors can be grouped together to display one enlarged image, thanks to Enlarge (Zoom) Display mode, which corrects the framing of that image to eliminate misalignment between monitors.

*³Via a DVI-D connection. *⁴PN-U553/U473/U423 monitors can be connected together in a daisy chain configuration.

Specifications

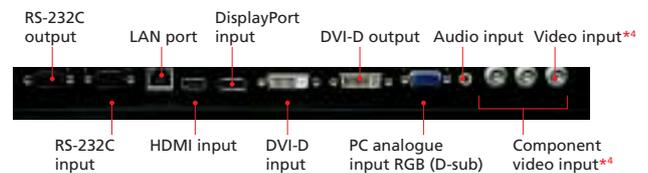
Model	PN-U553	PN-U473	PN-U423	
Installation	Landscape / Portrait			
LCD Panel	55-inch widescreen (138.8 cm diagonal) TFT LCD	47-inch widescreen (119.3 cm diagonal) TFT LCD	42-inch widescreen (106.7 cm diagonal) TFT LCD	
	Max. Resolution			
	1,920 x 1,080 pixels			
	Max. Display Colours (approx.)			
	1.06 billion colours			
	Pixel Pitch (H x V)	0.630 x 0.630 mm	0.542 x 0.542 mm	0.485 x 0.485 mm
	Brightness*1			
	700 cd/m ²			
	500 cd/m ²			
Contrast Ratio	4,000 : 1	1,300 : 1	4,000 : 1	
Viewing Angle (H/V)	178°/178° (CR 10)			
Active Screen Area (W x H)	1,209.6 x 680.4 mm	1,039.7 x 584.8 mm	930.2 x 523.3 mm	
Response Time	6.5 ms (grey to grey, avg.)	12 ms (grey to grey, avg.)	8 ms (grey to grey, avg.)	
Backlight	LED, edge lit			
Computer Input	Video			
	Analogue RGB (0.7 Vp-p) [75Ω], Digital (conforms to DVI 1.0 standards), DisplayPort™ 1.1			
	Synchronisation*2			
	Horizontal/vertical separation (TTL: positive/negative)			
Plug & Play	VESA DDC2B			
Power Management	VESA DPMS, DVI DMPM			
Video Colour System	NTSC (3.58 MHz, 4.43 MHz), PAL, PAL60, SECAM			
Input Terminals*3	DisplayPort x 1, DVI-D x 1 (HDCP compatible), Mini D-sub 15-pin x 1, HDMI™ x 1 (1080p compatible), RS-232C x 1, Video BNC x 1*4, Component BNC (Y, Cb/Pb, Cr/Pr) x 1*4, 3.5 mm-diameter mini stereo jack x 1, RCA pin (L/R) x 1			
Output Terminals*3	DVI-D x 1 (HDCP compatible), RS-232C x 1, RCA pin (L/R) x 1			
Input/Output Terminals*3	LAN: 10Base-T/100Base-TX x 1			
Built-in Speakers	10 W + 10 W			
Mounting	VESA (4 points), 400 x 200 mm pitch			
Power Supply	100V – 240V AC, 50/60 Hz			
Power Consumption	130 W		115 W	
Environmental Conditions	Operating Temperature	5°C to 40°C*5	0°C to 40°C	
	Operating Humidity	20% to 80% RH (no condensation)		
Dimensions (W x D x H) (approx., display only)	1,250 x 57 x 721 mm	1,083 x 55 x 627 mm	973 x 57 x 565 mm	
Weight (approx.)	25 kg	19 kg	16 kg	
Main Accessories	Power Cord*6 (approx. 3 m) remote control unit, battery (AA size x 2), CD-ROM, set-up manual, warranty, vertical sticker, blank sticker, cable clamp			

Dimensions



Input/Output Terminals

(Bottom)



(Side)



Notes

*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 Sync-on-green and composite sync are not supported. *3 Use a commercially available connection cable for PC and other video connections. *4 The component video BNC, Y signal and video BNC share the same terminal. *5 At ambient temperatures below 10°C, the monitors' image quality can be affected, particularly at the edges of the screen and depending on the viewing angle. *6 Use compatible power outlet.

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This is Why

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