

# SHARP

PN-U553  
PN-U473  
PN-U423  
LCD MONITOR

## Around-the-Clock Communicators with Streamlined Style, Versatile Installation



Sharp's lineup has expanded to include PN-U553/U473/U423—three professional LCD monitors 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, these 55-, 47-, and 42-inch monitors represent a dynamic new breed of indoor digital signage solutions. Thin and lightweight enough to ensure an easy fit in stores, offices, and public spaces, PN-U553/U473/U423 monitors boast the outstanding image quality needed to deliver truly compelling signage.



*Enticing menus at a local eatery*



*Helpful details at a real estate agency*

## Excellent Image Quality

A brightness of **700 cd/m<sup>2</sup>** (PN-U553/U473) or **500 cd/m<sup>2</sup>** (PN-U423) supports these LCD monitors in their digital signage duties. And PN-U553/U473/U423 monitors boast 1,920 (H) x 1,080 (V)-pixel **full-HD resolution** to ensure 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

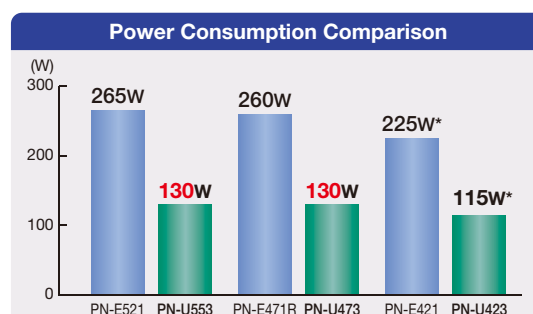
PN-U553/U473/U423 monitors owe their exceptionally thin profiles to edge-lit LED backlighting, where LED elements are located at the edges of the panel. Streamlined for a pleasing appearance and minimal protruding parts, these monitors measure only **57/55/57 mm** at their thickest point and weigh only about **25/19/16 kg**, making for easy and flexible placement in offices, public spaces, stores, and other commercial establishments. The stylishly thin profiles also enable attractive wall mounting.



\* PN-E521

## Energy Efficiency

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



\* PN-U423/PN-E421 comparison is based on power consumption for PN-U423 at 500 cd/m<sup>2</sup> and PN-E421 at 700 cd/m<sup>2</sup>.



## Reliability/Durability

### 24/7 Operation

Built solid, PN-U553/U473/U423 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. This fanless design also facilitates monitor maintenance.

### 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.

## Image Functions

### Mirror Display Mode (Daisy Chain)\*

With Mirror Display mode, the same image can be displayed on a daisy chain of PN-U553/U473/U423 monitors for the powerful impact of visual repetition.

\* Via a DVI-D connection.



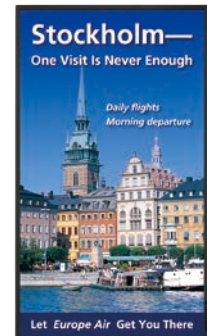
### Enlarge (Zoom) Display Mode

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.

## User-Friendly Design

### Choice of Installation Mode

PN-U553/U473/U423 monitors offer a choice of **landscape** or **portrait** installation, allowing customers to 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.



Portrait installation

### 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.

## Display Management

### ID Setting

Thanks to an RS-232C interface, PN-U553/U473/U423 monitors\* can be easily controlled and monitored from a central location via a PC. Each monitor can be assigned an individual ID code to specify when remotely turning that monitor on or off, changing its input, or making various screen adjustments and settings.

\* PN-U553/U473/U423 monitors can be connected together in a daisy chain configuration.

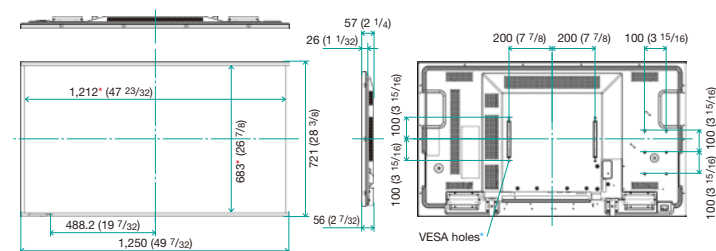


## Specifications

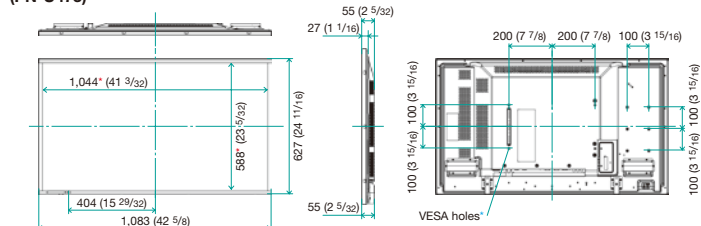
Model Name	PN-U553	PN-U473	PN-U423
Installation	Landscape / Portrait		
LCD Panel	55-inch widescreen (138.8 cm diagonal) TFT LCD	47-inch widescreen (119.3 cm diagonal) TFT LCD	42-inch widescreen (106.7 cm diagonal) TFT LCD
Max. Resolution	1,920 x 1,080 pixels		
Max. Display Colours (approx.)	1.06 billion 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 <sup>2</sup>		
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 (47 5/8" x 26 25/32")	1,039.7 x 584.8 mm (40 15/16" x 23")	930.2 x 523.3 mm (36 5/8" x 20 19/32")
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	Analogue RGB (0.7 Vp-p) [75Ω], Digital (conforms to DVI 1.0 standards), DisplayPort™ 1.1		
Video	Horizontal/vertical separation (TTL: positive/negative)		
Synchronisation**	VESA DDC2B		
Plug & Play	VESA DPMS, DVI DMPM		
Power Management	NTSC (3.58 MHz, 4.43 MHz), PAL, PAL60, SECAM		
Video Colour System	NTSC (3.58 MHz, 4.43 MHz), PAL, PAL60, SECAM		
Input Terminals*2	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*3, Component BNC (Y, Cb/Pb, Cr/Pr) x 1*3, 3.5 mm-diameter mini stereo jack x 1, RCA pin (L/R) x 1		
Output Terminals*2	DVI-D x 1 (HDCP compatible), RS-232C x 1, RCA pin (L/R) x 1		
Input/Output Terminals*2	LAN: 10Base-T/100Base-TX x 1		
Built-in Speakers	10 W + 10 W		
Mounting	VESA (4 points), 400 x 200 mm (15 3/4" x 7 7/8") pitch		
Power Supply	100V – 240V AC, 50/60 Hz		
Power Consumption	130 W		115 W
Environmental Conditions	Operating Temperature: 5°C to 40°C*4 Operating Humidity: 20% to 80% RH (no condensation)		
Dimensions (W x D x H) (approx.; display only)	1,250 x 57 x 721 mm (49 7/32" x 2 1/4" x 28 3/8")	1,083 x 55 x 627 mm (42 5/8" x 2 1/8" x 24 11/16")	973 x 57 x 565 mm (38 5/16" x 2 1/4" x 22 1/4")
Weight (approx.)	25 kg (55.1 lbs)	19 kg (41.9 lbs)	16 kg (35.3 lbs)
Main Accessories	Power cord (3-pin*5, approx. 3 m), remote control unit, battery (AA size x 2), CD-ROM, set-up manual, warranty, vertical sticker, blank sticker, cable clamp		

## Dimensions

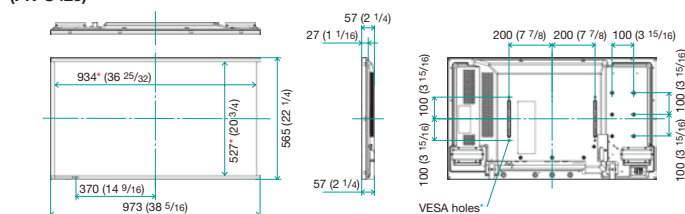
(PN-U553)



(PN-U473)



(PN-U423)



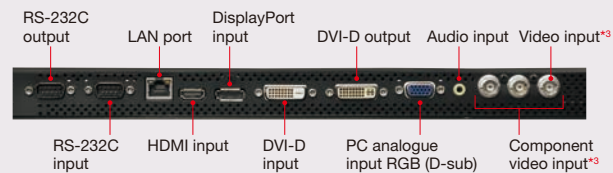
Units: mm (inch)

\* Screen dimensions

\* To use the VESA-standard mounting bracket, use M6 screws that are 8 to 10 mm plus the thickness of the bracket.

## Input/Output Terminals

(Bottom)



(Side)



\*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 The component video BNC Y signal and video BNC share the same terminal. \*4 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. \*5 Use a 3-pin compatible power outlet.

\*\* Sync-on-green and composite sync are not supported.

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