SHARP®

PN-U553
PN-U473
PN-U423

Professional LED Displays

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

Sharp's lineup has expanded to include PN-U553/U473/U423—three professional LED displays 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 (54.7 diagonal) , 47 (47 diagonal), and 42 (42 diagonal) inch displays 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 displays boast the outstanding image quality needed to deliver truly compelling signage.

Enticing menus at a local eatery

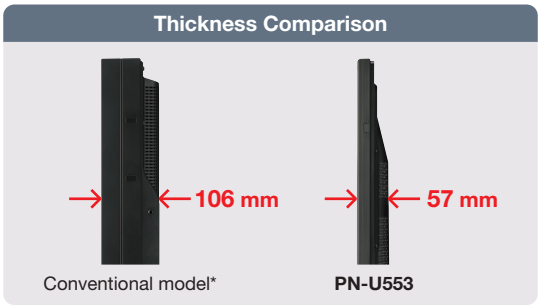
Helpful details at a real estate agency

Excellent Image Quality

A brightness of **700 cd/m²** (PN-U553/U473) or **500 cd/m²** (PN-U423) supports these LED displays in their digital signage duties. And PN-U553/U473/U423 displays boast 1,920 (H) x 1,080 (V)-pixel **full-HD resolution** to help 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

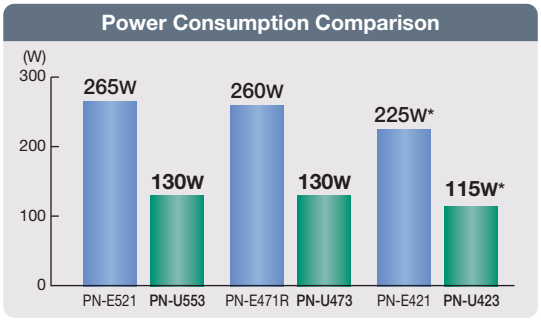
PN-U553/U473/U423 displays owe their exceptionally thin profiles to edge-lit LED backlighting, where LED elements are located at the edges of the panel. Streamlined for a pleasing appearance and minimal protruding parts, these displays measure **just over 2 inches** at their thickest point and weigh only about **55/42/35 lbs**, 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 displays helps ensure reliable performance with low power consumption. In fact, PN-U553/U473/U423 displays 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/m² and PN-E421 at 700 cd/m².

Reliability/Durability

24/7 Operation

Built solid, PN-U553/U473/U423 displays are ideal for use in demanding professional applications that may 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 display in multi-panel installations. This reduces the load placed on the power supply when a number of displays 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 simplifies display maintenance.

Built-In Temperature Sensor

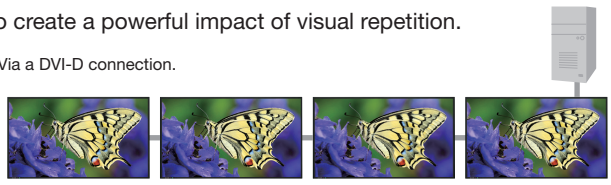
Should the temperature inside a display rise, a built-in sensor will detect it, and the monitor will automatically lower the brightness level of its backlight system.

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 to create a 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 displays 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 displays 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 displays to give customers a variety of connection possibilities.

Display Management

ID Setting

Thanks to an **RS-232C interface**, PN-U553/U473/U423 displays* 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 unit 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.

RS-232C straight cable

PN-U533 / PN-U473 / PN-U423
Professional LED Displays

Specifications

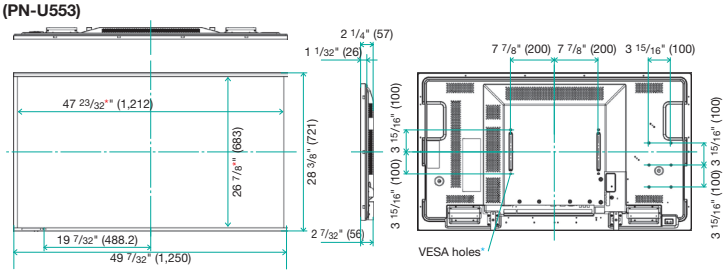
Model Name		PN-U553	PN-U473	PN-U423
Installation		Landscape / Portrait		
LCD Panel		55-inch widescreen (54.7" diagonal) TFT LCD	47-inch widescreen (47" diagonal) TFT LCD	42-inch widescreen (42" diagonal) TFT LCD
	Max. Resolution	1,920 x 1,080 pixels		
	Max. Display Colors (approx.)	1.06 billion colors		
	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/m²		500 cd/m²
	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)	47 5/8" x 26 25/32"	40 15/16" x 23"	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	Video	Analogue RGB (0.7 Vp-p) [75Ω], Digital (conforms to DVI 1.0 standards), DisplayPort™ 1.1		
	Synchronization**	Horizontal/vertical separation (TTL: positive/negative)		
	Plug & Play	VESA DDC2B		
	Power Management	VESA DPMS, DVI DMPM		
Video Color 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	0°C to 40°C	
	Operating Humidity	20% to 80% RH (no condensation)		
Dimensions (W x D x H) (approx.; display only)		49 7/32" x 2 1/4" x 28 3/8"	42 5/8" x 2 5/32" x 24 11/16"	38 5/16" x 2 1/4" x 22 1/4"
Weight (approx.)		55.1 lbs	41.9 lbs	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		

*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.

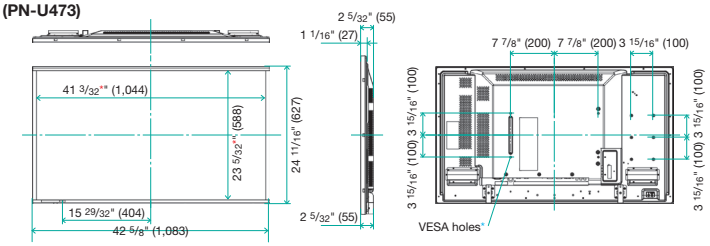
** Sync-on-green and composite sync are not supported.

Dimensions

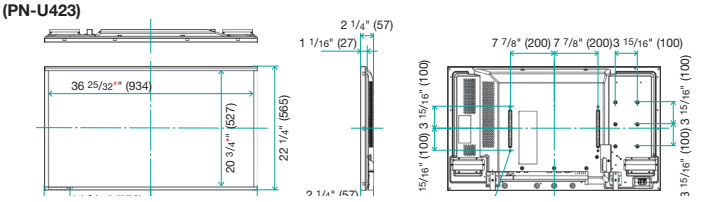
(PN-U553)



(PN-U473)

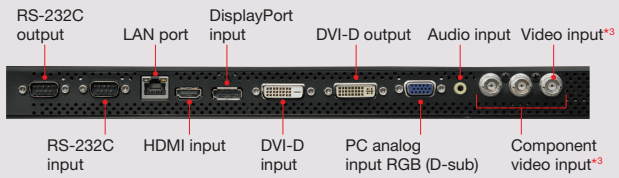


(PN-U423)



Input/Output Terminals

(Bottom)



(Side)

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