

SHARP®

Touchboards

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PN-E803 PN-E703 PN-E603

Professional LED Displays

Slimline LED Displays for Diverse Signage Applications



Whether in 80" (80" diagonal), 70" (69.5" diagonal) or 60" (60.1" diagonal) Classes, Sharp's sleek PN-E803/E703/E603 monitors offer a sophisticated way to convey your message. They combine full-HD image quality and improved energy efficiency with professional-use durability and around-the-clock dependability. The versatile operation and stunning images of these monitors make them ideal for a variety of applications. Wherever you need high-impact professional monitors to get your meaning across—in retail spaces, hotel lobbies, conference rooms and elsewhere—the PN-E803/E703/E603 monitors will grab and keep the attention of your target audience.

Superb Image Quality

PN-E803/E703/E603 LCD panels incorporate Sharp UV²A* technology, which prevents light leakage and ensures highly efficient use of light from the backlight. Thanks to this technology, the monitors achieve truly bright whites and extremely deep blacks. All three models support full-HD (1,920 x 1,080 pixel) resolution, for beautifully clear rendering of detailed text and graphics.



* UV²A stands for Ultraviolet-induced Multi-domain Vertical Alignment, a photo-alignment technology that ensures uniform alignment of liquid crystal molecules.

Choice of Screen Size and Installation Mode

The choice of three screen sizes—80", 70" or 60"—means you can select the high-quality professional LCD monitor that's right for the type of content you plan to show and for your specific installation purposes. These monitors can be installed in either a landscape or a portrait orientation. Portrait mode offers the look and impact of a poster, while landscape mode puts wide images on vivid display. Optimize your choice and maximize your audience impact.

Thin, Lightweight Design

Streamlined for a pleasing appearance and minimal protruding parts, these professional LCD monitors boast exceptionally thin profiles. At their thickest point, the PN-E703 and PN-E603 monitors measure just 1 9/16", while the PN-E803 measures only 3 3/4". The thin and lightweight design of PN-E803/E703/E603 monitors gives them a stylish profile and facilitates easy installation in a variety of settings.



24/7 Operation

Built solid, the PN-E803/E703/E603 monitors are ideal for use in 24-hour stores and in other demanding professional applications that require around-the-clock operation seven days a week.



A Variety of Input/Output Terminals

PN-E803/E703/E603 monitors come standard, equipped with a wealth of input and output terminals, including DisplayPort and DVI-D, that allow easy connection with various types of equipment.

Dual Screen Display

Picture-in-Picture (PIP) mode allows an AV-sourced image to be displayed within a PC-sourced one (or vice versa), while Picture-by-Picture (PbyP) mode puts images from AV and PC sources side by side for split-screen viewing.

Enlarge (Zoom) Display Mode

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

Mirror Display Mode (Daisy Chain)

With Mirror Display mode, the same image can be displayed on a daisy chain of PN-E803/E703/E603 monitors for the powerful impact of image repetition. A maximum of 25 monitors* can be daisy-chained via DisplayPort, and up to five monitors via DVI-D cable.

* Up to 25 for non-HDCP-encoded content; four for HDCP-encoded content.

Built-In Speakers

Built-in speakers eliminate the need for external speakers and keep the PN-E803/E703/E603 monitors stylishly streamlined. The speakers emit sound from both sides of the monitors, making them ideal for conveying audio information and playing location-appropriate background music.

Energy Efficient

Compared to conventional CCFL backlighting, LED backlighting on the PN-E803/E703/E603 monitors help ensure reliable performance with low power consumption—roughly 55 percent less energy use for the PN-E603 and 44 percent less for the PN-E703.

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.

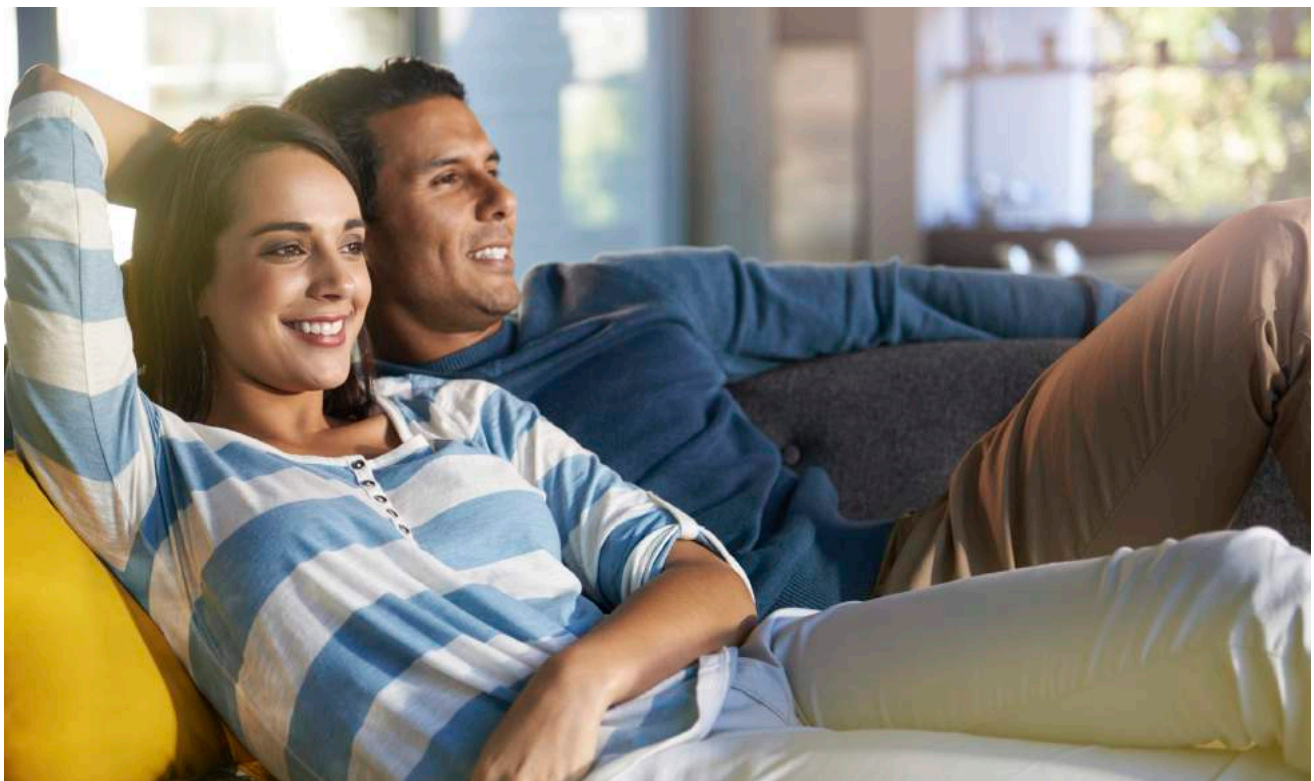
Built-In Temperature Sensor

Should the temperature inside the monitor rise, a built-in sensor will detect it, and the backlight system will automatically make adjustments to keep the temperature at the desired operational level*.

* The monitor automatically goes into standby mode when the internal temperature remains consistently above the designated operational level.

ID Setting

Thanks to an RS-232C interface, PN-E803/E703/E603 monitors can be easily controlled and monitored from a central location via a PC. Each monitor can be assigned an individual ID code that specifies it when remotely turning it on or off, switching its input, or making various screen adjustments and settings to it.



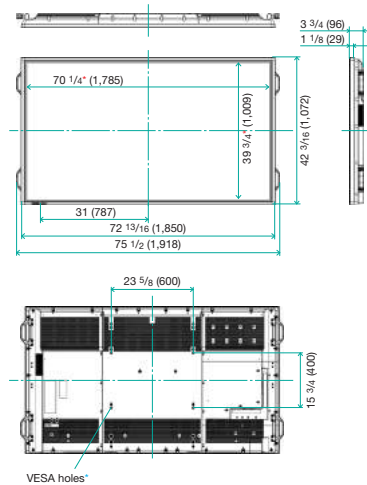
Specifications

Model Name	PN-E803	PN-E703	PN-E603
Installation	Landscape / Portrait		
LCD Panel	80" Class widescreen (80" diagonal) UV²A LCD	70" Class widescreen (69.5" diagonal) UV²A LCD	60" Class widescreen (60.1" diagonal) UV²A LCD
Max. Resolution	1,920 x 1,080 pixels		
Max. Display Colors (approx.)	1.06 billion colors		
Pixel Pitch (H x V)	0.923 x 0.923 mm	0.802 x 0.802 mm	0.692 x 0.692 mm
Max. Brightness*1	470 cd/m²	450 cd/m²	
Contrast Ratio	5,000 : 1	4,000 : 1	
Viewing Angle (H/V)	176°/176° (CR ≥ 10)		
Active Screen Area (W x H)	69 3/4" x 39 1/4"	60 9/16" x 34 1/16"	52 5/16" x 29 7/16"
Response Time	4 ms (grey to grey, avg.)		
Backlight	LED, full-array	LED, edge lit	
Computer Input	Analog RGB (0.7 Vp-p) [750], Digital (conforms to DVI 1.0 standards), DisplayPort™		
Synchronization	Horizontal/vertical separation (TTL: positive/negative), Sync on green, Composite sync (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-I x 1, Mini D-sub 15-pin x 1, HDMI™ x 2*3, 3.5 mm-diameter mini stereo jack x 2, RS-232C x 1		
Output Terminals*2	DisplayPort x 1 (supports video signals only), DVI-D x 1, 3.5 mm-diameter mini stereo jack x 1, RS-232C x 1		
Input/Output Terminals*2	LAN port x 1		
Speaker Output	10 W + 10 W		
Power Supply	100V - 240V AC, 50/60 Hz		
Power Consumption	280 W	225 W	180 W
Environmental Conditions	Operating Temperature: 0°C to 40°C		
	Operating Humidity: 20% to 80% RH (no condensation)		
Dimensions (W x D x H) (approx.) (display only)	72 13/16" x 3 3/4" x 42 3/16"	62 1/8" x 1 9/16" x 36 1/16"	54 1/4" x 1 9/16" x 31 1/4"
Weight (approx.)	125.7 lbs	94.8 lbs	70.5 lbs
Main Accessories	Power cord, remote control unit, battery (AA size) x 2, set-up manual, vertical sticker (logo), vertical sticker (operation panel)*4, cover SHARP logo, cable clamp, CD-ROM		

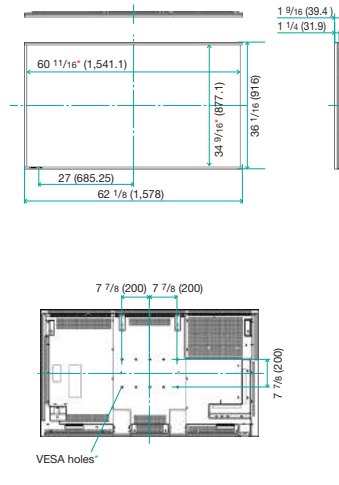
*1 Brightness will depend on input mode and other picture settings. Brightness level will decrease over time. Due to the nature of the equipment, it is not possible to precisely maintain a constant level of brightness. *2 Use a commercially available connection cable for PC and other video connections. *3 For both PC and AV components. *4 For PN-E803 only.

Dimensions

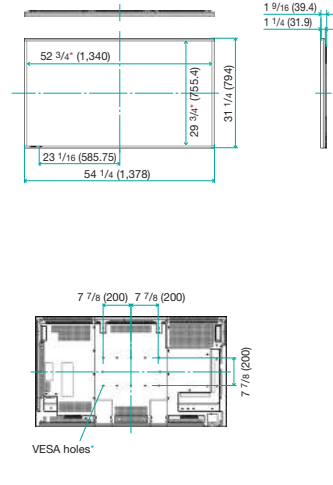
(PN-E803)



(PN-E703)

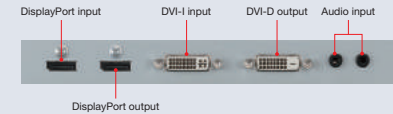


(PN-E603)



Input/Output Terminals

(Bottom)



(Side)



Units: inch (mm)

* Screen dimensions

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



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