SHARP

PN-E802
PN-E702
PN-E602
LCD MONITOR

Sharp's Big-Screen LCD Monitor—
Sized for Impact, Designed for Style

Almost everything about Sharp's PN-E802/E702/E602 professional LCD monitor is big.

Full-HD resolution and a superb-quality Sharp LCD ensure ample clarity and tremendous images.

Grand screen sizes of 80, 70, and 60 inches—all with a stylishly slim profile—lend enormous impact to most

any setting. The towering 80-inch model can even display actual-size images of people for maximum effect.

Yes, the large, durable, energy-efficient monitors in this lineup are expanding

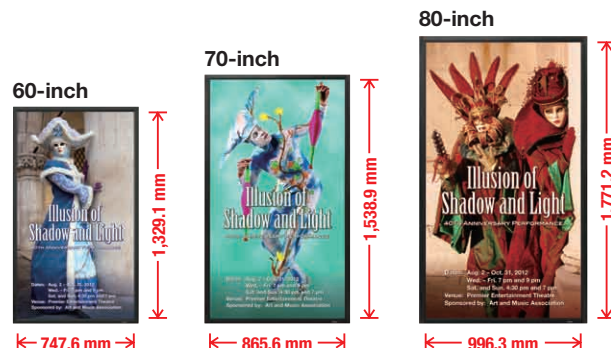digital signage potential in a very big way.

100th ANNIVERSARY

In 2012, Sharp is celebrating the 100th anniversary of its founding.

Information at airline counters

Fashion news at boutiques

Choice of Dynamic Screen Sizes

Sized for impact, the PN-E lineup boasts an **80-inch** monitor big enough to showcase life-size images of people and also offers impressively large **70- and 60-inch** models. This convenient choice of screen sizes means there's a large, high-quality professional LCD monitor to fit any number of indoor venues, including offices, conference rooms, retail settings, and public spaces.

60-inch

70-inch

80-inch

1,329.1 mm

1,538.9 mm

1,771.2 mm

747.6 mm

865.6 mm

996.3 mm

Note: Figures above denote active screen area.

Breathtaking Image Quality

The PN-E802/E702/E602's 80/70/60-inch LCD panel incorporates Sharp's **UV²A*** technology, which ensures highly efficient use of light from the backlight and prevents light leakage for the display of truly bright whites, amazingly vivid colours, and extremely deep blacks. The PN-E802/E702/E602 also boasts 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.

* UV²A stands for "<u>U</u>ltra<u>v</u>iolet-induced Multi-domain <u>V</u>ertical <u>A</u>lignment," a photo-alignment technology that ensures uniform alignment of liquid crystal molecules in a certain direction.
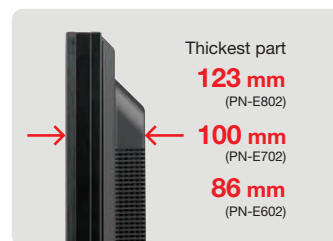
Choice of Installation Mode

The PN-E802/E702/E602 offers 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.

Thin, Streamlined Design

This stylishly thin monitor measures only **123 mm** (PN-E802) / **100 mm** (PN-E702) / **86 mm** (PN-E602) at its thickest point.

Streamlined for a pleasing appearance and minimal protruding parts, the PN-E802/E702/E602 can be attractively mounted on a wall in landscape or portrait mode.
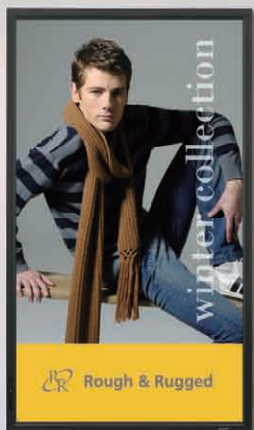

Thickest part
123 mm
(PN-E802)
100 mm
(PN-E702)
86 mm
(PN-E602)

(Image: PN-E702)

24/7 Operation

Built solid, the PN-E802/E702/E602 is ideal for use in 24-hour stores and other demanding professional applications that require around-the-clock operation seven days a week.
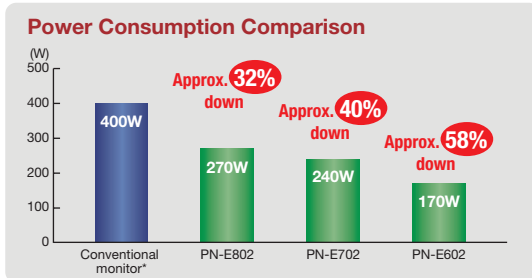
Energy Efficient

The PN-E802/E702's **full-array LED** backlight and the PN-E602's **edge-lit LED** backlight help ensure reliable performance with low power consumption. In fact, the PN-E802 consumes roughly 32% less energy than conventional CCFL-backlight displays.*

* Sharp PN-E601

Power Consumption Comparison
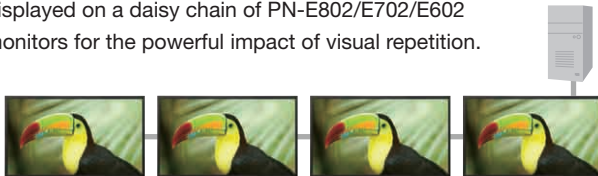

Dual Screen Display

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 one enlarged image, thanks to Enlarge (Zoom) Display mode, which corrects the framing of that 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-E802/E702/E602 monitors for the powerful impact of visual repetition.

Built-In Speakers

Built-in speakers eliminate the need for external speakers and keep PN-E802/E702/E602 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.

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.
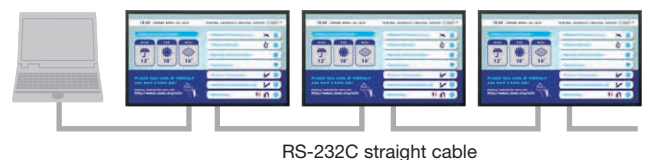
Built-In Temperature Sensor

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

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

ID Setting

Thanks to an RS-232C interface, PN-E802/E702/E602 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.

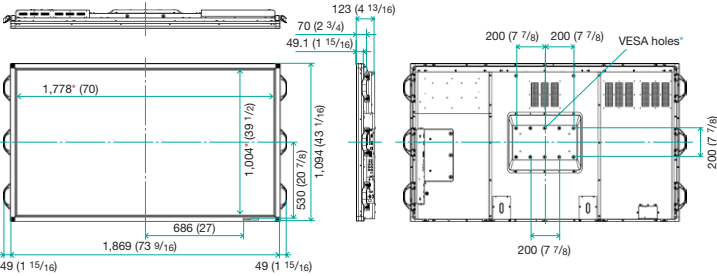RS-232C straight cable

Specifications

Model Name		PN-E802	PN-E702	PN-E602
Installation		Landscape / Portrait		
LCD Panel		80-inch widescreen (203.2 cm diagonal) UV²A LCD	70-inch widescreen (176.6 cm diagonal) UV²A LCD	60-inch widescreen (152.5 cm diagonal) UV²A LCD
	Max. Resolution	1,920 x 1,080 pixels		
	Max. Display Colours (approx.)	1,064 million colours		
	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	450 cd/m²		
	Contrast Ratio	4,000 : 1		
	Viewing Angle (H/V)	176°/176° (CR ≥ 10)		
	Active Screen Area (W x H)	1,771.2 x 996.3 mm (69 ³/₄" x 39 ¹/₄")	1,538.9 x 865.6 mm (60 ⁹/₁₆" x 34 ¹/₁₆")	1,329.1 x 747.6 mm (52 ⁵/₁₆" x 29 ⁷/₁₆")
	Response Time	6 ms (gray to gray, avg.)		
	Backlight	White LED, full array		White LED, edge lit
Computer Input	Video	Analogue RGB (0.7 Vp-p) [75Ω], Digital (conforms to DVI 1.0 standards)		
	Synchronisation	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 Colour System	With Optional PN-ZB01	NTSC (3.58 MHz, 4.43 MHz), PAL, PAL60, SECAM		
Input Terminals*2	Standard	PC analogue: Mini D-sub 15-pin x 1, HDMI x 1*3, 3.5 mm-diameter mini stereo jack x 1, RS-232C D-sub 9-pin x 1		
	With Optional PN-ZB01	PC digital: DVI-D 24-pin x 1*3, PC analogue: BNC x 1*4*5, Video: BNC x 1, S-Video x 1, Component video: BNC (Y, Cb/Pb, Cr/Pr) x 1*4, Audio: RCA pin (L/R) x 2		
Output Terminals	Standard	Audio: RCA pin (L/R) x 1, RS-232C D-sub 9-pin x 1		
	With Optional PN-ZB01	PC digital: DVI-D 24-pin x 1*3		
Input/Output Terminals	With Optional PN-ZB01	LAN port		
Speaker Output	Built-in	7 W + 7 W		
	With Optional PN-ZB01	7W + 7W (6Ω)		
Power Supply		100V – 240V AC, 50/60 Hz		
Power Consumption		270 W	240 W	170 W
Environmental Conditions	Operating Temperature	0˚C to 40˚C		
	Operating Humidity	20% to 80% RH		
Dimensions (W x D x H) (approx.) (display only)		1,869 x 123 x 1,094 mm (73 ⁹/₁₆" x 4 ¹³/₁₆" x 43 ¹/₁₆")	1,615 x 100 x 947 mm (63 ⁹/₁₆" x 3 ¹⁵/₁₆" x 37 ¹/₄")	1,407 x 86 x 817 mm (55 ³/₈" x 3 ³/₈" x 32 ³/₁₆")
Weight (not including PN-ZB01) (approx.)		79 kg (174.2 lbs)	50 kg (110 lbs)	38 kg (83.8 lbs)

Dimensions

(PN-E802)

(PN-E702)

(PN-E602)

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.

*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 HDCP compatible. For both PC and AV components. *4 The analogue and component BNC terminals are switchable. Use the menu to select.
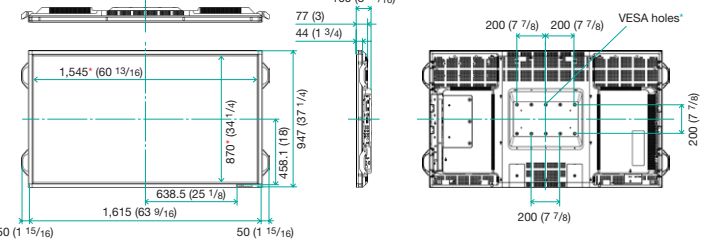*5 Does not support plug & play.

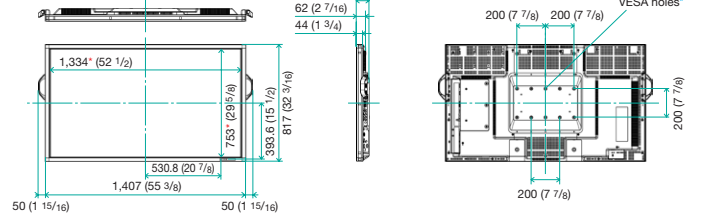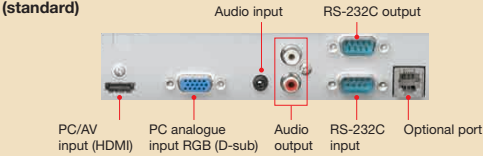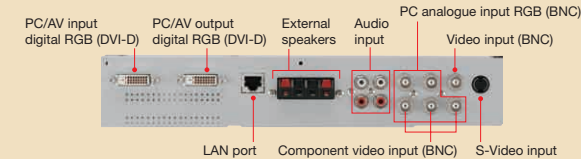DESIGN AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

Input/Output Terminals

(standard)

(option) PN-ZB01 Interface Expansion Board

Other Options

- **PN-ZH802* : Protective Glass for PN-E802**
- **PN-ZH702* : Protective Glass for PN-E702**
- **PN-ZH602* : Protective Glass for PN-E602**

* Consult your local Sharp dealer or representative on availability and other details.

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