SHARP

Be Original.

Stupendous Views from Ultra-Large LCD Monitors That Bring Images to Life

High-Impact 90-Inch Screen

Sized for eye-catching impact, the PN-R903A LCD monitor features a towering **90-inch** screen large enough to realistically showcase life-size images of people. This top-quality LCD colossus excels in a variety of indoor venues, including retail locations, educational institutes, conference rooms, and public spaces. Incorporating a single, seamless screen, the PN-R903A can make an unforgettable impact on any audience.

Breathtaking Image Quality

The 90-inch LCD panel incorporates Sharp's **UV²A*** technology, which ensures highly efficient use of light from the backlight and prevents light leakage. The result: truly bright whites and extremely deep blacks. The panel also boasts a **full-array LED backlight**, in which LED elements are evenly positioned across the entire panel to give on-screen images remarkably uniform brightness.

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

Choice of Installation Mode

The PN-R903A 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.

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 the PN-R903A for the powerful impact of visual repetition.

* The number of monitors possible in a daisy chain varies depending on the connection method: Up to 25 (for non-HDCP-encoded content) or 4 (for HDCP-encoded content) via DisplayPort™; or up to 5 (for HDCP-encoded content) via DVI.

Built-In Speakers

Built-in speakers eliminate the need for external speakers and keep the PN-R903A 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.

24/7 Operation

Built solid, the PN-R903A is ideal for use in 24-hour stores and in other demanding professional applications that require around-the-clock operation seven days a week.
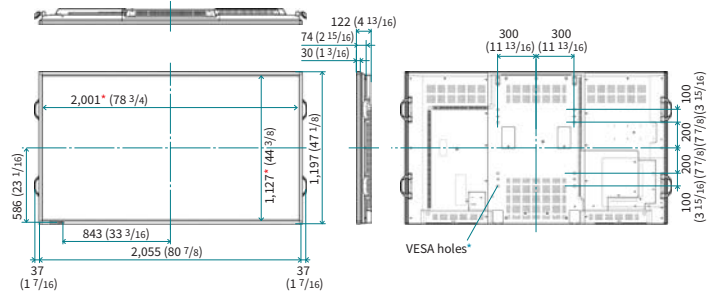
Specifications

Model Name		PN-R903A
Installation		Landscape / Portrait
LCD Panel		90-inch widescreen (228.7 cm diagonal) UV²A LCD
	Max. Resolution	1,920 x 1,080 pixels
	Max. Display Colours (approx.)	1.06 billion colours
	Pixel Pitch (H x V)	1.038 x 1.038 mm
	Brightness*¹	700 cd/m²
	Contrast Ratio	4,000 : 1
	Viewing Angle (H/V)	176°/176° (CR≧10)
	Active Screen Area (W x H)	1,993.0 x 1,121.0 mm (78 7/16" x 44 1/8")
	Response Time	6 ms (grey to grey, avg.)
	Backlight	LED, full array
Computer Input	Video	Analogue RGB (0.7 Vp-p) [75Ω], Digital (conforms to DVI 1.0 standards), DisplayPort 1.1
	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		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 (HDCP compatible), RS-232C x 1, 3.5 mm-diameter mini stereo jack x 2
Output Terminals		DisplayPort x 1 (supports video signals only), DVI-D x 1 (HDCP compatible), RS-232C x 1, 3.5 mm-diameter mini stereo jack x 1
Input/Output Terminals		LAN x 1
Built-in Speakers		10 W + 10 W
Mounting		VESA (4 points), 600 x 600 mm (23 5/8" x 23 5/8") pitch; VESA (4 points), 600 x 400 mm (23 5/8" x 15 3/4") pitch
Power Supply		100V – 240 V AC, 50/60 Hz
Power Consumption		660 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)		2,055 x 122 x 1,197 mm (80 7/8" x 4 13/16" x 47 1/8")
Weight (approx.)		75 kg (165.3 lbs)

*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.

DisplayPort and the DisplayPort Compliance Logo are trademarks owned by the Video Electronics Standards Association in the US and other countries. The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries. All other brand names and product names may be trademarks or registered trademarks of their respective owners. All screen images appearing in this brochure are simulated. Design and specifications are subject to change without prior notice.
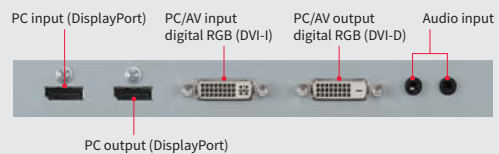
Dimensions

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)

PC input (DisplayPort)
PC/AV input digital RGB (DVI-I)
PC/AV output digital RGB (DVI-D)
Audio input
PC output (DisplayPort)

(side)

PC/AV input (HDMI)
Audio output
RS-232C input
RS-232C output
Optional port
PC analogue input RGB (D-sub)
LAN port

Distributed by:

SHARP

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE