

Gargantuan 90-Inch LCD Monitor Brings the Image to Life



High-Impact 90-Inch Screen

Sized for eye-grabbing impact, Sharp's new PN-R903 LCD monitor boasts a towering **90-inch** screen big enough to showcase realistic life-size images. This pro-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, this monitor makes an unforgettable impact on any audience with its viewing area of 1,993 mm by 1,121 mm !

High Contrast and Superb Energy Efficiency

For its outstanding black levels, amazing contrast, and superb energy efficiency, the PN-R903 owes much to **local dimming** of its LED backlight. Local dimming allows specific groups of LEDs to be independently dimmed or brightened for greater control of the darkness and brightness in different areas of the monitor, resulting in considerably reduced power consumption. That's why the PN-R903 can deliver significantly better contrast and brightness than conventional LCD monitors while using remarkably less power.

Local Dimming

LED backlight **brightened**
LED backlight **dimmed**



(Image)

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-R903 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.

Specifications

Model Name	PN-R903	
Installation	Landscape / Portrait	
LCD Panel	90-inch widescreen (228.7 cm diagonal) UVFA 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/m ²
	Contrast Ratio	1,000,000 : 1 (local dimming set to HIGH) 4,000 : 1 (local dimming off)
	Viewing Angle (H/V)	176°/176° (CR ≥ 10)
	Active Screen Area (W x H)	1,993 x 1,121 mm
	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)
	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, 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, PC control x 1	
Built-in Speakers	10 W + 10 W	
Mounting	VESA (4 points), 600 x 600 mm pitch VESA (4 points), 600 x 400 mm pitch	
Power Supply	100V – 240V AC, 50/60 Hz	
Power Consumption	660 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)	2,055 x 122 x 1,197 mm	
Weight (approx.)	75 kg	

*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.

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Interface Expansion

A standard-equipped interface expansion board gives the PN-R903 a comprehensive range of input/output jacks, including the DisplayPort™ interface.

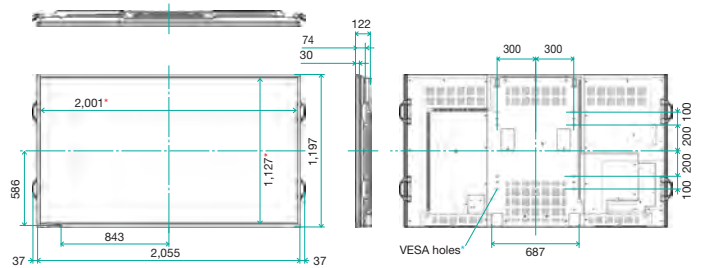
24/7 Operation

Built solid, the PN-R903 is ideal for use in 24-hour stores and in other demanding professional applications that require around-the-clock operation seven days a week.

Other Key Features

- Built-in speakers
- Dual-screen display
- Enlarge (zoom) display mode
- Mirror display mode (daisy chain)

Dimensions



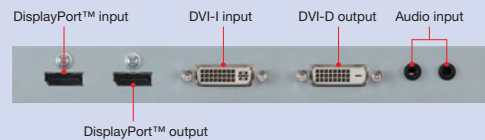
Units: mm (inch)

* 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)



(side)



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All screen images appearing in this brochure are simulated.

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