



PN-R426/PN-R496/
PN-R556/PN-R606/
PN-R706/PN-R903A

Professional LCD Displays



Endless possibilities will create the right impression

The newly enhanced PN-R range of LFD's from Sharp offers the highest levels of quality and performance. Flexibility is further enhanced by the Mini-OPS expansion slot. Offering robust and reliable performance, and offering high-impact visual possibilities for business, these professional high-end LFD's are the choice for corporate and digital signage applications.

Maximum impact when you really need it

The PN-R range of LFDs are available in a variety of sizes: 42", 49", 55", 60", 70" and 90". The PN-R903A offers true life-size image reproduction, which towers seamlessly above other professional LCD displays in size, quality, and impact. Thanks to the near-complete edge-to-edge visual canvas, and high bright 700cd/m2 that runs throughout the range, images are brought to life like never before, making the PN-R series the perfect choice.

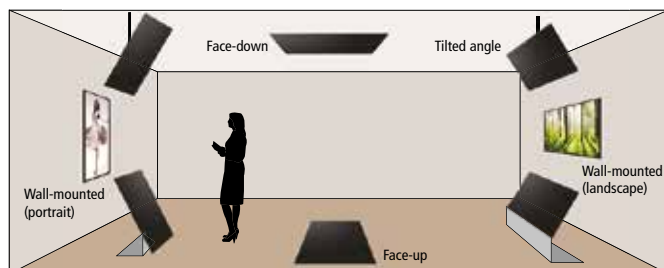
To add maximum impact to your chosen location, Sharp's PN-R range supports an incredible range of installation options. Not only can they be installed in portrait and landscape, but also face up, face down, and tilted forward or backward by 90 degrees. These additional installation options are available across the range, with the exception of only the largest display size1.

Made for professional, around the clock, 24/7, demanding signage use, with a sleek and stylish design that won't detract from the focus of your message, the PN-R range of high-end, dependable displays have been built with the highest quality materials and are designed to fit beautifully into any installation and digital signage requirement.

Captivating retail experiences with high brightness in mind

In a typical retail store environment, digital signage displays need to be near the front of the store, to catch shoppers' attention as soon as they enter the premises - or even beforehand. A clear, bright visual display is paramount in any environment where screen visibility may be impacted by ambient background light. The PN-R range's 700cd/m2 brightness is ideal for such a setting.

Built in speakers eliminate the need for external speakers and keep the monitors stylishly streamlined. Thanks to the integrated 10 + 10 W speakers in each display the PN-R is equipped to ensure your audio information and music will be heard crystal clear.



Flexibility and Control

To illustrate the PN-R series' flexibility, here are two examples of how Sharp's Mini OPS PN-ZB03H and PN-ZB03W extension modules can be used to boost your display possibilities.

Mini OPS HDBaseT (option)

The first potential use case refers to the way many stores have their signage content server in a separate, cooled room at the back of the premises. If it's any more than 10 metres from the screen, standard HDMI cables won't work. But the optional Mini-OPS HDBaseT receiver and the HDBaseT CAT cable running to the server provides the perfect solution for transporting video signals over long distances.

This brings convenient connectivity with HDMI devices such as PCs and BluRay Disk players. Compatibility with the HDBaseT 2.0 standard allows you to remotely operate a PC from a USB device connected to the optional board. With HDBaseT 2.0 support, you can use fewer cables and reduce the time and cost of installation.

PN-ZB03H HDBaseT Receiver Board	
Supported standard	HDBaseT 2.0
Maximum resolution	4,096 x 2,160 (30Hz)
Copy protection	HDCP pass-through
Transmission distance	Up to 328 feet / 100m
Input/output terminals	HDBaseT x 1, LAN x 1 (10Base-T/100Base-TX), USB x 1 (USB 2.0)
Power supply	From the monitor



Win/Mac/iOS/Android as supported PC and mobile device platforms.

Mini OPS Wireless (option)

Another example is that of the busy emergency services control room, where fast access to reliable information is vitally important. Especially if events are unfolding in real-time.

It could be that live photos from a road traffic accident are being sent direct from the scene of the incident to a mobile device in the emergency coordination centre. Ensuring immediate circulation of those images can enable the right decisions to be made in the heat of an emergency. But forwarding or downloading images - either via email or a USB cable to a PC - can place a heavy burden on precious time.

Control rooms using Sharp PN-R displays with integrated Mini-OPS Wireless modules will enable the emergency coordinator to wirelessly link the mobile device to the optional Mini-OPS wireless receiver installed in the display unit. Images can then be viewed collectively with minimal impact on time, meaning decisions such as which hospitals and clinics casualties should be sent to can be made without delay.

PN-ZB03W Wireless Board	
Maximum resolution	1,920 x 1,080 (30 Hz)
Wireless communication method	2.4GHz, IEEE802.11b/g/n 5GHz, IEEE802.11a/n
Input/output terminals	LAN x 1 (10Base-T/100Base-TX), USB x1 (USB 2.0), Wireless adapter x 1 (USB 2.0)
Power supply	From the monitor



Mini OPS Wireless (option)

Specifications

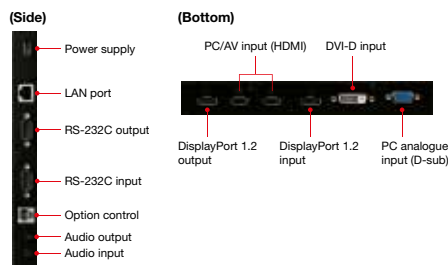
Model	PN-R426	PN-R496	PN-R556	PN-R606	PN-R706	PN-R903A
Input Terminals	Landscape / Portrait / Face-up / Face-down			Landscape / Portrait / Face-up		Landscape / Portrait
	42-inch widescreen (41 7/8-inch [106.47 cm] diagonal) TFT LCD	49-inch widescreen (48 1/2-inch [123.20 cm] diagonal) TFT LCD	55-inch widescreen (54 3/8-inch [138.8cm] diagonal) TFT LCD	60" Class [60 inch (152.50cm) diagonal] TFT LCD	70" Class [69.5 inch (176.56cm) diagonal] TFT LCD	90-inch widescreen (228.7 cm diagonal) UVFA LCD
LCD Panel	Max. Resolution	1920 x 1080 pixels			1 billion colours	
	Max. Display Colours (approx.)	1.07 billion colours			16.7 million colours	1.06 billion colours
	Pixel Pitch (H x V)	0.483 mm x 0.483 mm	0.559 mm x 0.559 mm	0.630 mm x 0.630 mm	0.692 x 0.692 mm	1.038 x 1.038 mm
	Max. Brightness*1 (average)	700 cd/m ²			1.038 x 1.038 mm	
	Contrast Ratio	1,300 : 1			4,000 : 1	5,000 : 1
	Viewing Angle (H/V)	178°/178° (CR 10)			176°/176° (CR 10)	
	Active Screen Area (W x H) (approx.)	927.94 x 521.96 mm (36 5/8" x 20 7/8")	1,073.8 x 604.0 mm (42 1/4" x 23 7/8")	1,209.6 x 680.4 mm (47 7/8" x 26 7/8")	1,329.12 x 747.63 mm	1,538.88 x 865.62 mm
Computer Input	Response Time	8ms (grey to grey, avg.)			6ms (grey to grey, avg.)	
	Backlight	LED, edge lit			LED, full array	
	Video	Analogue RGB (0.7 Vp-p) [75Ω], Digital (DVI 1.0 standard-compliant), DisplayPort 1.2, HDMI			Digital (DVI 1.0 standard-compliant), Analog RGB (0.7 Vp-p) [75 Ω], DisplayPort 1.2, HDMI	
	Synchronisation	Horizontal/vertical separation (TTL: positive/negative), Sync on green*2, Composite sync (TTL: positive/negative)*2			Horizontal/vertical separation (TTL: positive/negative), Sync on green*2, Composite sync (TTL: positive/negative)*2	
Input Terminals*3	Plug & Play	VESA DDC2B			VESA DDC2B	
	Power Management	VESA DPMS, DVI DMPM			VESA DPMS, DVI DMPM	
	Output Terminals*3	DisplayPort x 1, DVI-D 24-pin (HDCP compatible) x 1, Mini D-sub 15-pin x 1, HDMI (PC/AV signal compatible) x 2, 3.5mm mini stereo jack x 1, D-sub 9 pin x 1			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*3	Input/Output Terminals*3	10BASE-T/100BASE-TX			LAN x 1	
	Power Supply Terminal	5 V, 2 A (5V, 500 mA when the expansion slot is used) (USB type-A connector)			100V - 240V AC, 50/60 Hz	
	Expansion Slot	12V, 2.4 A (power supplied when expanding the functions with an optional part)			-	
Built-in Speakers	Mounting	VESA (4 points), 200 mm (7 7/8") pitch, M6 screw	VESA (4 points), 400 mm (15 1/4") pitch, M6 screw	VESA (4 points), 400 mm (15 3/4") pitch, M6 screw	VESA (4 points), 600 x 600 mm (23 3/8" x 23 3/8") pitch; VESA (4 points), 600 x 400 mm (23 3/8" x 15 3/4") pitch	
	Power Supply	100V - 240V AC, 50/60 Hz			100V - 240V AC, 50/60 Hz	
	Power Consumption (Input signal waiting mode*5 / standby mode*6)	135 W (2.5W / 0.8W)	155 W (2.5W / 0.8W)	175 W (2.5W / 0.8W)	190 W (2.5W / 0.8W)	230 W (2.5W / 0.8W)
Environmental Conditions	Operating Temperature*4	0°C to 40°C			0°C to 40°C	
	Operating Humidity	20% to 80% RH (no condensation)			20% to 80% RH (no condensation)	
Dimensions (W x D x H) (approx.) (display only)	Dimensions (W x D x H) (approx.) (display only)	949 x 57 x 543.5 mm	1,095 x 57 x 626 mm	1,231 x 57 x 702 mm	1,352 x 60 x 778 mm	1,579 x 65 x 918 mm
	Weight (approx.)	15.5 kg	19.5 kg	25 kg	40 kg	45 kg
Main Accessories	AC power cord, remote control unit, battery (AAA size x 2), CD-ROM, set-up manual, cable clamp x 2, ceiling mounting bracket x 4, ceiling mounting bracket fixing screw x 4, logo sticker					

Notes

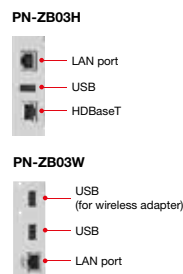
*1 Brightness depends on input mode and other picture settings. Brightness level will decrease slightly over the lifetime of the product. Due to the physical limitations of the equipment, it is not possible to maintain a precisely constant level of brightness. *2 D-sub input terminal only. *3 Use a commercially available connection for PC and other video connections. *4 When using the monitor laying flat on a surface (when the monitor is tilted more than 20 degrees upward or downward from the perpendicular in relation to a level surface), use the monitor at a temperature between 0°C and 30°C. Temperature condition may change when using the monitor together with the optional equipments recommended by SHARP. In such cases, please check the temperature condition specified by the optional equipments. *5 When SUPPLY USB POWER is set to POWER ON ONLY and no optional part is attached. *6 When POWER SAVE MODE is set to OFF, SUPPLY USB POWER is set to POWER ON ONLY, and no optional part is attached. When POWER SAVE MODE is set to ON: 0.5 W.

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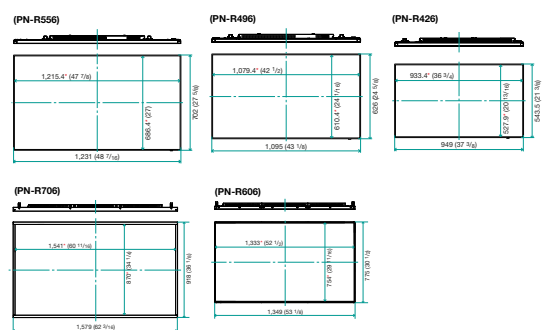
(Standard)



(Mini OPS options)



Dimensions



SHARP
Be Original.