PN-V602H High Brightness LCD Video Wall Monitor

Sensational Signage

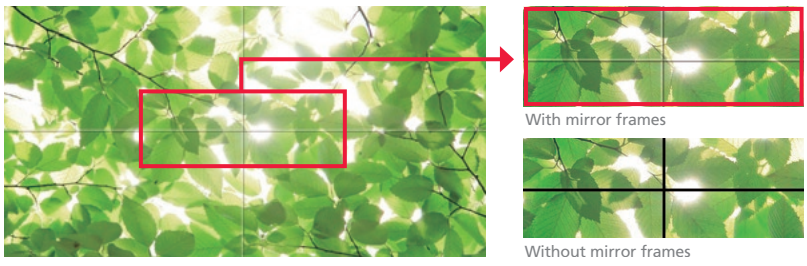
The PN-V602H professional LCD monitor with super-high 1,500 cd/m² brightness and extraordinary image quality, brings dazzling results to indoor multi-monitor configurations. The PN-V602H also boasts streamlined bezels, making it the ideal monitor for nearly seamless, high-impact video walls.

NOTE: The PN-V602H is intended for use in indoor environments. If the monitor is installed in a location exposed to excessive direct sunlight such as a window front, consult your installer to determine if additional measures to reduce ultraviolet and infrared radiation and ambient temperature are required.

Ultra-Slim Bezel for Dynamic Video Walls

The PN-V602H boasts an ultra-slim bezel that makes the lines between neighbouring monitors an almost seamless 6.5 mm*[1] wide (2.4 mm right and bottom, 4.1 mm left and top)*[2]. This enables the high-impact display of large, crisp images that catch the eye and capture your attention. In multi-monitor configurations, optional Mirror Frames can minimise*[3] the lines between PN-V602H monitors by reflecting mirror images from the display content, creating more dynamic video walls and an even smoother big-picture effect.

Multi-monitor configuration with mirror frames



Sharp knows that for real impact you need more than just a single screen/This is Why the PN-V602H is the perfect choice for exciting, near seamless multi-monitor configurations.

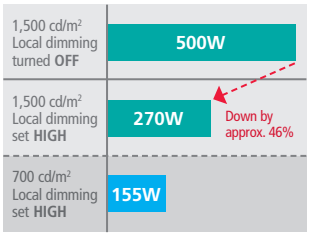
PN-V602H Product Specifications and Configurations

Model Name		PN-V602H
Installation		Landscape / Portrait
LCD Panel		60-inch widescreen (152.4 cm diagonal), UV²A LCD
	Max. Resolution	1,366 x 768 pixels
	Max. Display Colours (approx.)	16.77 million colours
	Pixel Pitch (H x V)	0.973 x 0.973 mm
	Max. Brightness*1	1,500 cd/m²
	Contrast Ratio	1,000,000 : 1 (local dimming set to HIGH) 5,000 : 1 (without local dimming)
	Viewing Angle (H/V)	176°/176° (CR ≥ 10)
	Active Screen Area (W x H)	1328.8 x 747.1 mm (52 5/8" x 29 7/16")
	Response Time	6 ms (gray to gray, avg.)
Computer Input	Video	Analogue RGB (0.7 Vp-p) [75 Ω], 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)*2 / PAL / PAL60 / SECAM
Input Terminals*3	Standard	PC analogue: Mini D-sub 15-pin x 1*4, HDMI (1080p compatible) x 1*5, 3.5 mm-diameter mini stereo jack x 1, Video*4*6, Component video*4*6, RS-232C: D-sub 9-pin x 1, Control Kit jack x 1
	Via Optional PN-ZB02 Board	PC digital: DVI-D 24-pin (HDCP compatible) x 1, PC analogue: BNC x 1, Video: BNC x 1*6, S-Video x 1, Component video: BNC (Y, Cb/Pb, Cr/Pr) x 1*6, Audio: RCA pin (L/R) x 2
Output Terminals*3	Standard	Audio: RCA pin (L/R) x 1, RS-232C: D-sub 9-pin x 1
	Via Optional PN-ZB02 Board	PC digital: DVI-D 24-pin x 1, External speaker: 10W + 10W (6 Ω)
Input/Output Terminals*3	Via Optional PN-ZB02 Board	LAN port (10Base-T/100Base-TX)
Mounting		VESA (6 points), 200 mm (7 7/8") pitch, M6 screw or VESA (4 points), 200 mm (7 7/8") pitch, M6 screw
Power Supply		100V – 240V AC, 50/60 Hz
Power Consumption		270W (local dimming high), 510W (maximum)
Environmental Conditions	Operating Temperature	0°C to 40°C
	Operating Humidity	20% to 80% RH (no condensation)
Dimensions (W x D x H) (approx.)		1,335.9 x 149.3 x 754.2 mm (52 5/8" x 5 7/8" x 29 11/16") (Display section only, not including protrusions)
Weight (not including PN-ZB02) (approx.)		44 kg (97 lbs)

*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 Requires separately sold PN-ZB02 Interface Expansion Board. *3 Use a commercially available connection cable for PC and other video connections. *4 The mini D-sub 15-pin terminal can be used for PC analogue, video, or component video, all of which are selectable from the menu. When used with a video or component video source, a commercially available conversion cable is required. *5 For both PC and AV components. *6 When the PN-V602H is equipped with the optional PN-ZB02 board, either the LCD monitor's standard-equipped video and component terminals or the PN-ZB02's video and component terminals can be selected for use from the menu.

Power Consumption Comparison*4



Local Dimming

High Contrast and Superb Energy Efficiency

The PN-V602H owes much of its outstanding black levels, amazing contrast, and superb energy efficiency to local dimming of the LED backlight. Local dimming allows specific groups of LEDs to be independently dimmed for greater control of the brightness and darkness in different areas of the monitor. Since black-area LEDs can be turned off, local dimming can considerably reduce power consumption. This is why the PN-V602H delivers significantly better contrast and brightness than conventional LCD monitors while using remarkably less power!

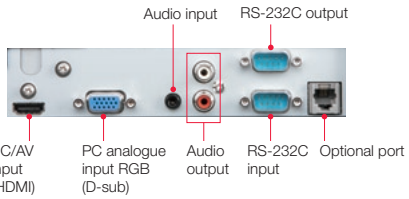
High Brightness, High Visibility

Ultra-high brightness of 1,500 cd/m² lets the PN-V602H excel in brightly lit indoor locations, even those awash in sunlight. And high contrast makes images clearly visible from a distance, so the PN-V602H can be installed in places where the LCD monitor is well out of reach – but not view – of the targeted audience. Indoor sports facilities, transportation hubs, shopping centres, and event venues are just some of the many settings where the PN-V602H can give vivid display to superb-quality images, 24 hours a day, seven days a week.

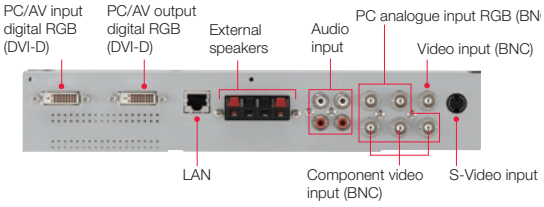
Breathtaking Image Quality

The PN-V602H's exceptional image quality comes from Sharp's own industry leading LCD technologies. Sharp UV²A*5 technology, incorporated into the 60-inch LCD panel, 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. Moreover Sharp's full-array LED backlight, sporting LED elements evenly positioned across the entire panel, gives images displayed on the PN-V602H a remarkably uniform brightness.

Input/Output Terminals



PN-ZB01 Interface Expansion Board (option)



Other Options

PN-ZR01: Control Kit
Comprises remote controller and remote control sensor box

PN-ZR32: Long Mirror Frame

PN-ZR33: Short Mirror Frame

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*1 Does not include the gap between the monitors.

*2 Non-display area for neighbouring monitors is 7.1 mm.

*3 Visibility of the seams between monitors will vary depending on such factors as the on-screen images and the viewing angle.

*4 Results of Sharp measurements when displaying broadcast content (sub-clause 11.6) stipulated under IEC 62087 Ed. 2.0 and with brightness set to maximum. Note that the power consumption reduction will vary depending on the images displayed.

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

NOTE: Design and specifications are subject to change without prior notice.