

SHARP QUALITY AND BRILLIANCE— FOR UTTERLY SENSATIONAL SIGNAGE



Introducing the PN-V602 professional LCD monitor with super-high 1,500 cd/m² brightness and extraordinary image quality—the brilliant way to bring dazzling results to indoor multi-monitor configurations. The PN-V602 also boasts streamlined bezels, making it the ideal monitor for nearly seamless, high-impact video walls. No wonder the cutting-edge PN-V602 is such a shining example of digital signage potential.

Note: The PN-V602 is intended for use in indoor environments only and should not be exposed to excessive ultraviolet or infrared rays or to extreme temperatures. Exposure to direct sunlight may cause malfunction or quality deterioration of the LCD monitor.

High Brightness, High Visibility

Ultra-high brightness of **1,500 cd/m²** lets the PN-V602 excel in brightly lit indoor locations, even those awash in sunlight. And high contrast makes images clearly visible from a distance, so the PN-V602 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-V602 can give vivid display to superb-quality images, 24 hours a day, seven days a week.

High Contrast and Superb Energy Efficiency

The PN-V602 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. And since black-area LEDs can be turned off, local dimming can considerably reduce power consumption. That's why the PN-V602 delivers significantly better

contrast and brightness than conventional LCD monitors while using remarkably less power!



Power Consumption Comparison*

1,500 cd/m ² Local dimming: OFF	500W
1,500 cd/m ² Local dimming: HIGH	250W
(ref) 700cd/m ² Local dimming: HIGH	155W

Down by approx. 50%

* 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.

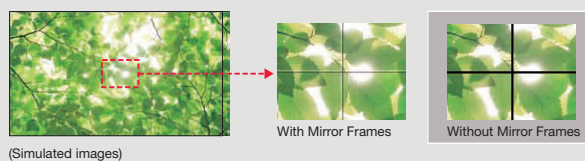
Breathtaking Image Quality

The PN-V602's exceptional image quality comes from Sharp's own industry-leading LCD technologies. Sharp **UV²A**** 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. And Sharp's **full-array LED backlight**, sporting LED elements evenly positioned across the entire panel, gives PN-V602 images remarkably uniform brightness.

Ultra-Slim Bezel for Dynamic Video Walls

The PN-V602 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 the attention. In multi-monitor configurations, optional **Mirror Frames** can minimise*³ the lines between PN-V602 monitors by reflecting mirror images from the display content, creating more dynamic video walls and an even smoother big-picture effect.

A multi-monitor configuration with Mirror Frames



*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: 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.

Specifications (tentative)

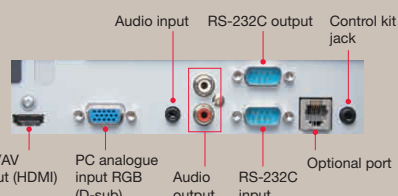
Model Name	PN-V602	Video Colour System	NTSC (3.58 MHz, 4.43 MHz)* ² / PAL / PAL60 / SECAM		
Installation	Landscape / Portrait	Input Terminals* ³	Standard PC analogue: Mini D-sub 15-pin x 1, HDMI (1080p compatible) x 1* ⁴ , 3.5 mm-diameter mini stereo jack x 1, Video* ⁵ , Component video* ⁵ , RS-232C: D-sub 9-pin x 1, Control Kit jack x 1		
LCD Panel	60-inch widescreen (152.4 cm diagonal), UV ² A LCD	Via Optional PN-ZB02 Board	PC digital: DVI-D 24-pin (HDCP compatible) x 1, PC analogue: BNC x 1, Video: BNC x 1* ⁵ , S-Video x 1, Component video: BNC (Y, Cb/Pb, Cr/Pr) x 1* ⁵ , Audio: RCA pin (L/R) x 2		
	Max. Resolution	1,366 x 768 pixels	Output Terminals* ³		
	Max. Display Colours (approx.)	16.77 million colours	Standard	Audio: RCA pin (L/R) x 1, RS-232C: D-sub 9-pin x 1	
	Pixel Pitch (H x V)	0.973 x 0.973 mm	Via Optional PN-ZB02 Board	PC digital: DVI-D 24-pin x 1, External speaker: 10W + 10W (6 Ω)	
	Max. Brightness* ¹	1,500 cd/m ²	Input/Output Terminals* ³	Via Optional PN-ZB02 Board	LAN port (10Base-T/100Base-TX)
	Contrast Ratio	1,000,000 : 1 (local dimming set to HIGH) 5,000 : 1 (without local dimming)	Mounting	VESA (6 points), 200 mm (7 7/8") pitch, M6 screw or VESA (4 points), 200 mm (7 7/8") pitch, M6 screw	
	Viewing Angle (H/V)	176°/176° (CR ≥ 10)	Power Supply	100V – 240V AC, 50/60 Hz	
	Active Screen Area (W x H)	1328.8 x 747.1 mm (52 5/8" x 29 7/16")	Power Consumption	510W	
	Response Time	6 ms (gray to gray, avg.)	Environmental Conditions	Operating Temperature 0°C to 40°C	
Computer Input	Video	Analogue RGB (0.7 Vp-p) [75 Ω], Digital (conforms to DVI 1.0 standards)	Operating Humidity 20% to 80% RH (no condensation)		
	Synchronisation	Horizontal/vertical separation (TTL: positive/negative) Sync-on-green, Composite sync (TTL: positive/negative)	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)		
	Plug & Play	VESA DDC2B	Weight (not including PN-ZB02) (approx.) 44 kg (97 lbs)		
	Power Management	VESA DPMS, DVI DMPM			

*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.

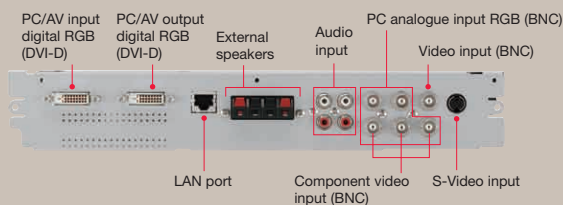
*² Requires separately sold PN-ZB02 Interface Expansion Board. *³ Use a commercially available connection cable for PC and other video connections. *⁴ For both PC and AV components. *⁵ When the PN-V602 is equipped with the optional PN-ZB02 board, either the LCD monitor's standard-equipped video and component terminals or the PN-ZB02's video and component terminals can be selected for use from the menu.

Input/Output Terminals

(standard)



PN-ZB02 Interface Expansion Board (option)



Design and specifications are subject to change without prior notice.

Other Options

- PN-ZR01 : Control Kit (remote controller and remote control sensor box)
- PN-ZR32 : Long Mirror Frame
- PN-ZR33 : Short Mirror Frame

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