

SHARP QUALITY AND BRILLIANCE FOR VIDEO WALLS OF VIRTUALLY LIMITLESS SIZE AND POTENTIAL



Touchboards

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Introducing the 60" diagonal class PN-V602 LCD Video Wall Monitor with exceptionally high 1500 cd/m² brightness, extraordinary image quality and ultra-slim bezel design. While its superior brightness enables the PN-V602 to be used in high ambient light and window facing applications, its streamlined bezel, full array LED backlight and large screen size makes this the ideal monitor for nearly seamless, high impact video walls.

High Brightness, High Visibility

With exceptionally high brightness of 1,500 cd/m², the PN-V602 excels in brightly lit indoor applications including window facing settings with high ambient light. Its high contrast helps ensure images are clearly visible from a distance, enabling PN-V602 video wall displays to be utilized in sports and entertainment facilities, transportation hubs, shopping malls and control centers where the PN-V602 can provide vivid high quality images, 24 hours a day, seven days a week.

Local Dimming for High Contrast and Superb Energy Efficiency

Much of the PN-V602's exceptional performance – including outstanding black levels, high contrast and superb energy efficiency is due to local dimming of the LED backlight. Local dimming allows specific groups of LEDs to be dimmed for greater control of brightness and darkness in different areas of the screen. Since LEDs in a black area of the screen image can be independently turned off, local dimming can help to considerably reduce power consumption. This helps the PN-V602 deliver significantly better contrast (up to 1,000,000:1

contrast ratio with local dimming set to HIGH) and brightness (up to 1,500 cd/m²) compared to conventional LCD monitors, while utilizing significantly less power.



Power Consumption Comparison*

1,500 cd/m ² Local dimming: OFF	500W
1,500 cd/m ² Local dimming: HIGH	270W
(ref) 700cd/m ² Local dimming: HIGH	165W

* 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.

*1: Does not include the gap between the monitors. *2: Non-display area for neighboring 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 Color System		NTSC (3.58 MHz, 4.43 MHz)*2 / PAL / PAL60 / SECAM
Installation	Landscape / Portrait	Input Terminals*3	Standard	PC analog: Mini D-sub 15-pin x 1*, HDMI® (1080p compatible) x 1*, 3.5 mm-diameter mini stereo jack x 1, Video*, Component video*, 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 analog: BNC x 1, Video: BNC x 1*, S-Video x 1, Component video: BNC (Y, Cb/Pb, Cr/Pr) x 1*, Audio: RCA pin (L/R) x 2	
Max. Resolution	1,366 x 768 pixels	Output Terminals*3	Standard	Audio: RCA pin (L/R) x 1, RS-232C: D-sub 9-pin x 1
Max. Display Colors (approx.)	16.77 million colors	Via Optional PN-ZB02 Board	PC digital: DVI-D 24-pin x 1, External speaker: 10W + 10W (6 Ω)	
Pixel Pitch (H x V)	0.973 x 0.973 mm	Input/Output Terminals*3	Via Optional PN-ZB02 Board	LAN port (10Base-T/100Base-TX)
Max. Brightness*1	1,500 cd/m ²			VESA (6 points), 200 mm (7 7/8") pitch, M6 screw or VESA (4 points), 200 mm (7 7/8") pitch, M6 screw
Contrast Ratio	1,000,000 : 1 (local dimming set to HIGH) 5,000 : 1 (without local dimming)			100V – 240V AC, 50/60 Hz
Viewing Angle (H/V)	176°/176° (CR ≥ 10)	Mounting		Power Consumption
Active Screen Area (W x H)	1328.8 x 747.1 mm (52 5/8" x 29 7/16")			510W
Response Time	6 ms (gray to gray, avg.)			
Computer Input		Environmental Conditions	Operating Temperature	0°C to 40°C
	Analog RGB (0.7 Vp-p) [75 Ω], Digital (conforms to DVI 1.0 standards)		Operating Humidity	20% to 80% RH (no condensation)
Synchronization	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.)
Power Management	VESA DPMS, DVI DMPM			44 kg (97 lbs)
				Packing Dimensions (W x D x H) (approx.)
				1,580 x 381 x 932 mm (62 1/4" x 15" x 36 3/4")

*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.

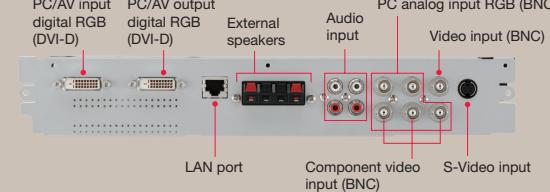
*2 Requires separately sold PN-ZB02 Interface Expansion Board. *3 Use a commercially available connection cable for PC and other video connections. *4 The mini D-sub 15-pin connector may be used with an analog RGB computer source, component video source or composite video source. This is menu selectable. When used with a component or composite video source, a commercially available conversion cable is required. *5 For both PC and AV components. *6 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)



Note: the PN-V602 is intended for use in indoor environments. If the display 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 temperature are required.

Design and specifications subject to change without prior notice.

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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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