SHARP®

World's Slimmest Bezel 60" LED Displays* For Virtually Seamless Multi-Screen Video Walls
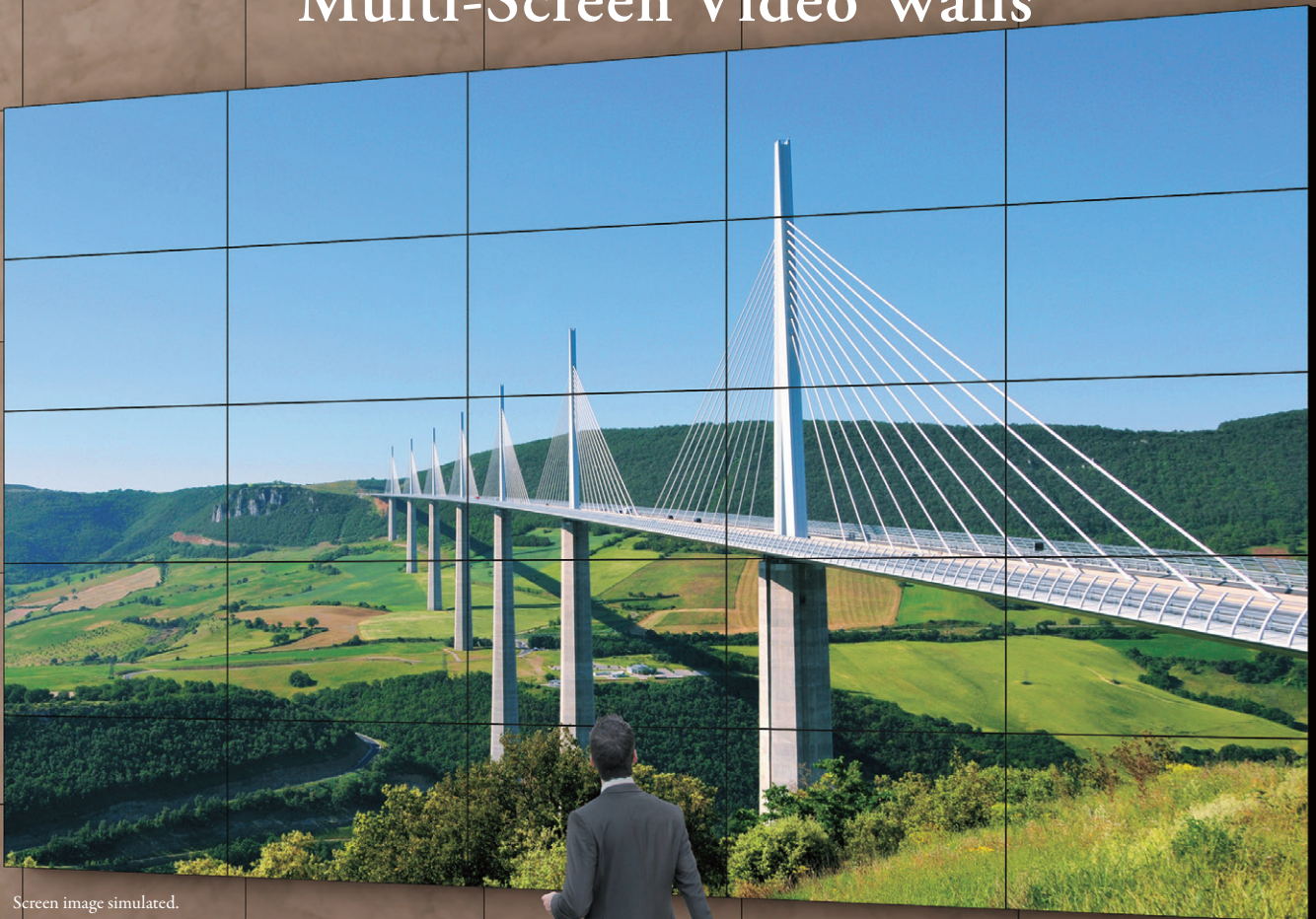
Screen image simulated.

With the slimmest bezel in the 60" diagonal class*, the PN-V600A/PN-V601A is the new standard for multi-screen video wall displays. Portrait and landscape compatibility, full array LED backlighting and virtually seamless borders help you create high impact video walls in almost any size and format.

*Based on published information as of August 1, 2012.

→ *7F Show Room*

Screen image simulated.

Sharp Ultra-Slim Bezel LED Displays Open New Opportunities

The PN-V600A/PN-V601A are the ideal choice for exciting, virtually seamless multi-screen video wall configurations. With professional design, high image quality and 24/7 certified reliability, the PN-V600A/PN-V601A brings almost limitless digital signage and display possibilities to shopping malls, airports, museums, stadiums, control centers and more.

Enlarge (Zoom) Display Mode (for up to 25 Monitors)

The Enlarge (Zoom) Display mode can spread one image across up to 25 monitors (in a 5 x 5 configuration) from a PC. The Frame Width Adjustment function virtually eliminates misalignment and boldly enhances the enlarged image on a multi-screen display.

Single-monitor display   5 x 5 (25-monitor) display
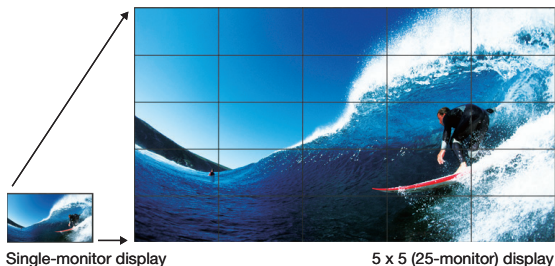
Full-Array LED Backlight

To give the PN-V600A/PN-V601A more uniform brightness than conventional CCFL* backlighting can offer, Sharp has positioned LED elements across the entire panel directly behind the liquid crystal layers, helping ensure that Sharp multi-screen displays are bright, beautiful and uniform.

* Cold Cathode Fluorescent Lamp

(Image)

PN-ZR01 Control Kit (sold separately)

When one of the monitors in a multi-screen configuration is fitted with a remote control sensor box, all of the monitors can be conveniently operated through one remote control unit. And to help with overall energy savings, a brightness sensor automatically adjusts the brightness of the backlight to match the ambient lighting. (UPC: 074000069022)

Remote controller   Remote control sensor box
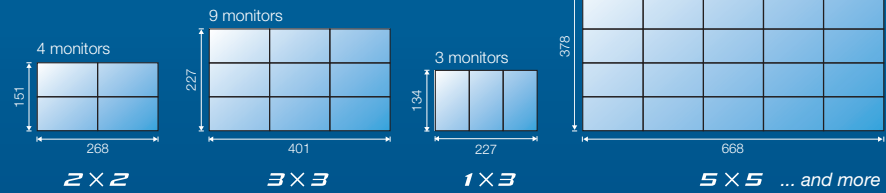
Almost Limitless Display Possibilities

Thanks to the PN-V600A/PN-V601A's ultra-slim bezel, the borders between neighboring monitors are a virtually seamless 6.5 mm[1] wide (2.4 mm on the right and bottom; 4.1 mm on the left and top).[2] When used in a video wall configuration, this enables the display of crisp and high impact images of almost any size and format. With 24/7 certified reliability and 3-year onsite parts and labor limited warranty, the PN-V600/PN-V601 is designed to be both exceptionally reliable and environmentally friendly.

*1: Does not include the gap between the monitors. *2: Non-display area for neighboring monitors is 7.1 mm.

6.5 mm

6.5 mm
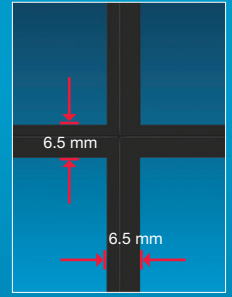
Create Dynamic Video Walls

Units: cm (measurements are approximations that include the bezel width)

4 monitors — 151 × 268 — **2 × 2**

9 monitors — 227 × 401 — **3 × 3**

3 monitors — 134 × 227 — **1 × 3**

25 monitors — 378 × 668 — **5 × 5** ... and more

Almost any number of PN-V600A/PN-V601A monitors may be joined together to create high impact multi-screen video walls. These configurations may be controlled through RS-232C or over a network.* Their ease of control and ease of integration help simplify the design and installation of sophisticated video wall displays of most any size and shape.

* PN-ZB02 input/output expansion board is required for network control.

Professional Quality And 24/7 Durability

Because business never stops, neither do the PN-V600A/V601A Video Wall Monitors. These professional-grade products are rugged enough for continuous 24/7 operation in the most demanding professional applications. As with all Sharp Professional Displays, the PN-V600A/PN-601A is backed by an outstanding 3 year limited warranty covering parts and labor.

Full Range of Connectivity

The PN-V600A/PN-V601A feature extensive interface capability. Add the optional input/output expansion board (PN-ZB02) for even more ways to connect your video wall installation to the content source your project requires.

## Choose the Model That Suits Your Needs

For environments with fewer ambient light sources, the PN-V600A is the lower-brightness alternative to the PN-V601A. It also consumes less power, which helps conserve energy and reduce operating costs.

Create a 4K2K Ultra-High Resolution Experience

When placed in a 3x3 video wall configuration, the PN-V600A/PN-V601A standard resolution multiplies by three, creating a total resolution of up to 4098 x 2304 pixels for ultra-high resolution/ultra-high impact images.
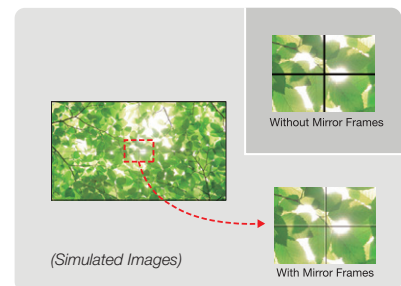
Mirror Frames (option)

In multi-screen configurations, mirror frames minimize the lines between slim-bezel PN-V600A/PN-V601A monitors by reflecting mirror images from the display content.

Mirror Frame mounting

PN-ZR33
PN-ZR32
PN-ZR32
PN-ZR33
(PN-V601)
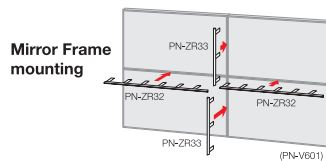
PN-ZR32
Long Mirror Frame

PN-ZR33
Short Mirror Frame

Without Mirror Frames

With Mirror Frames

(Simulated Images)

Specifications

Model Name		PN-V600A	PN-V601A
Installation		Landscape / Portrait	
LCD Panel		60-inch widescreen (152.4 cm diagonal), UV²A LCD	
	Max. Resolution	1,366 x 768 pixels	
	Max. Display Colors (approx.)	16.77 million colors	
	Pixel Pitch (H x V)	0.973 x 0.973 mm	
	Max. Brightness*	450 cd/m²	700 cd/m²
	Contrast Ratio	4,000:1	
	Viewing Angle (H/V)	176°/176° (CR ≥ 10)	
	Active Screen Area (W x H)	52 5/8" x 29 7/16" (1,328.8mm x 747.1mm)	
	Response Time	6 ms (gray to gray, avg.)	
Computer Input	Video	Analog RGB (0.7 Vp-p) [75 Ω], Digital (conforms to DVI 1.0 standards)	
	Synchronization	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 Color System		NTSC (3.58 [NTSC-M]) / NTSC (4.43) / PAL / PAL60 / SECAM	
Input Terminals	Standard	PC analog: Mini D-sub 15-pin x 1, HDMI® x 1, 3.5 mm-diameter mini stereo jack x 1, RS-232C D-sub 9-pin x 1, Control Kit terminal x 1	
	Via Optional PN-ZB02 Board	PC digital: DVI-D 24 pin 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	

Model Name		PN-V600A	PN-V601A
Output Terminals	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	Via Optional PN-ZB02 Board	LAN port	
Power Supply/Power Consumption		100V-240V AC, 50/60 Hz/310 W	100V – 240V AC, 50/60 Hz/480W
Standby Power Consumption		1.0W (standby mode in Standard) 0.5W (standby mode in Low Power)	1.8W (standby mode in Standard) 0.5W (standby mode in Low Power)
Mounting		VESA (6 points), 7 7/8" pitch VESA (4 points), 7 7/8" pitch	
Environmental Conditions	Operating Temperature	0°C to 40°C	
	Operating Humidity	20% to 80% RH (no condensation)	
Dimensions (W x D x H) (approx.)		52 5/8" x 5 7/8" x 29 3/4" (Display section only, not including protrusions)	
Packing Dimensions (W x D x H) (approx.)		62 1/4" x 15" x 36 3/4"	
Weight (not including PN-ZB02) (approx.)		41 kg (90 lbs.)	44 kg (96.9 lbs.)
Packing Weight (approx.)		52 kg (114 lbs.)	55 kg (121.25 lbs.)
Main Accessories		AC power code (approx. 3m,) operation manual, CD-ROM, stand hole protection cover	
UPC		074000069527	074000069510

* Brightness will depend on input mode and other picture settings. Brightness level will decrease over time. Due to the nature of the source equipment, it is not possible to precisely maintain a constant level of brightness.
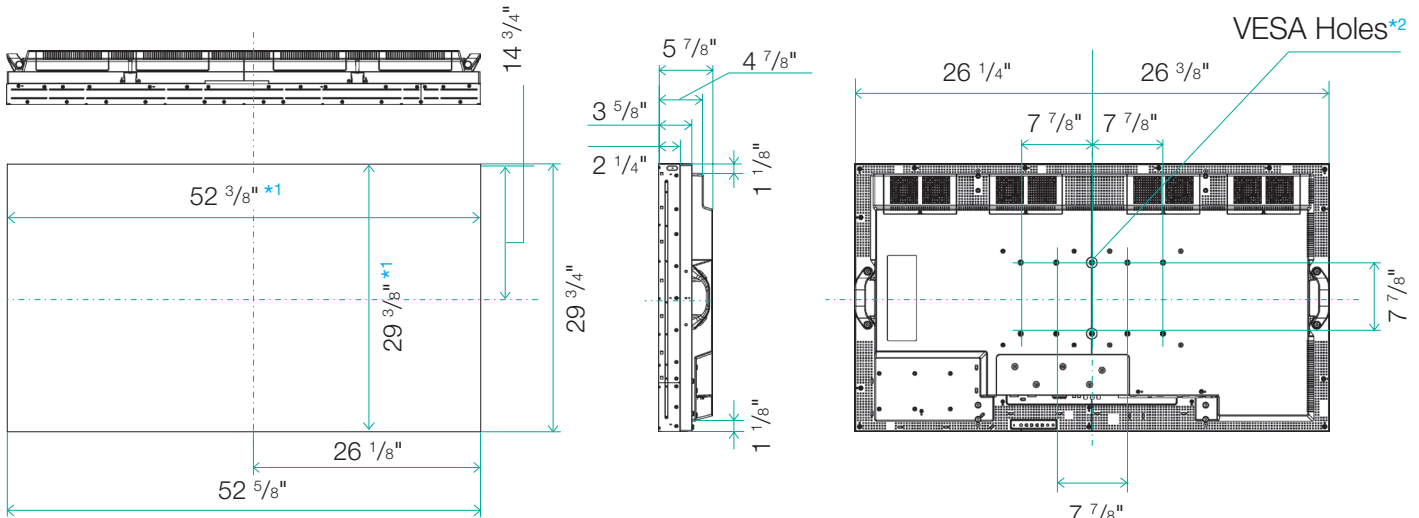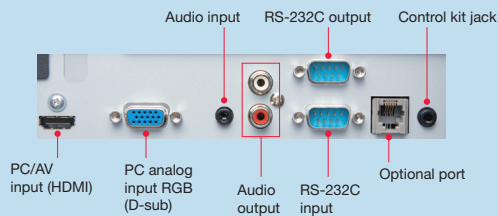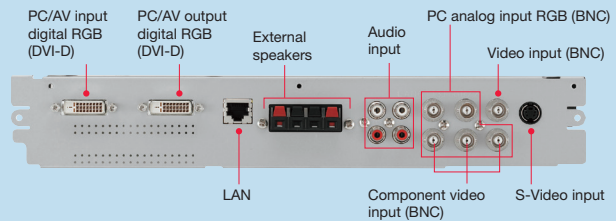

Units: inch

*1 Screen dimensions
*2 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 (standard)

Audio input
RS-232C output
Control kit jack
PC/AV input (HDMI)
PC analog input RGB (D-sub)
Audio output
RS-232C input
Optional port

PN-ZB02 Interface Expansion Board (option)
074000047068

PC/AV input digital RGB (DVI-D)
PC/AV output digital RGB (DVI-D)
External speakers
Audio input
PC analog input RGB (BNC)
Video input (BNC)
LAN
Component video input (BNC)
S-Video input

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