

# SHARP®

**PN-V601**  
Ultra-Slim Bezel LCD MONITOR

## World's Slimmest Bezel 60" LCD Monitor\* For Virtually Seamless Multi-Screen Video Wall Displays



With the slimmest bezel in the 60" diagonal class\*, the PN-V601 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 June 8, 2010 for LCD panels of 46-inches or larger in size.





# Sharp Ultra-Slim Bezel LCD Monitor Opens New Display Opportunities

The PN-V601 is the ideal choice for exciting, virtually seamless multi-screen video wall configurations. With its professional design, high image quality and 24/7 certified reliability, the PN-V601 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.



## Full-Array LED Backlight

To give the PN-V601 more uniform brightness than conventional CCFL\* backlighting can offer, Sharp has positioned LED elements across the entire panel directly behind the liquid crystal layers, ensuring 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)



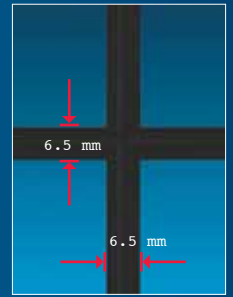


## Almost Limitless Display Possibilities

Thanks to the PN-V601'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. And, with 24/7 certified reliability, 3-year onsite parts and labor limited warranty and ENERGY STAR® qualified, the PN-V601 is designed to be both exceptionally reliable and environmentally friendly.

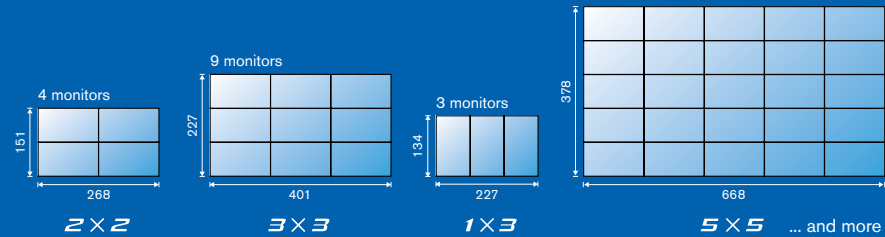
\*1: Does not include the gap between the monitors.

\*2: Non-display area for neighboring monitors is 7.1 mm.



### Create Dynamic Video Walls

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



Almost any number of PN-V601 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.

### Basic Specifications

Screen Size Class	60" Class (60" Diagonal)
Bezel Width	2.4 mm right and bottom (approx 3/32"); 4.1 mm left and top (approx 5/32"). Bezel width between neighboring monitors in multi-screen display: 6.5 mm (approx 1/4"). (Total non-display area for neighboring monitors: 7.1 mm, approx 9/32")
Native Display Resolution	1366 × 768
Maximum Brightness	700 cd/m2
Landscape and Portrait Mode Operation	Yes
Certified for 24/7 Continuous Operation	Yes
Fan-Less Architecture	No
Audio	10W + 10W Stereo Amplifier (for use with external speakers)
LCD Type	ASV LCD
Number of Colors (approx.)	16.77 Million
Contrast Ratio	2400:1
Aspect Ratio	16:9
Viewing Angle	176° H x 176° V (CR>/=10)
Active Screen Area	52-5/16" (W) × 29-7/16 (H)
1328.8 mm (W) x 747.1 mm (H)	
Frame Rate	60 Hz
Pixel Pitch	0.97275 (H/V)
Video System	NTSC (3.58 MHz; 4.43 MHz), PAL, PAL60, SECAM
Computer Input - Video	Analog RGB (0.7 Vp-p) [75-ohm], Digital (conforms to DVI 1.0 standards)
Computer Input - Synchronization	Horizontal / Vertical separation (TTL: positive/negative), Sync on green, composite sync (TTL: positive/negative)
Computer Input - Plug & Play	VESA DDC2B
Power Management	VESA DPMS, DVI DMPM
Response Time	6 ms (gray to gray, avg)

Terminals	
PC/AV Video Input	Analog mini D-sub 15-pin; HDMI® (HDCP Compatible) DVI-D 24-pin (requires optional PN-ZB02); Analog 5-BNC (requires optional PN-ZB02; analog RGB and component are menu selectable).
PC/AV Audio Input	3.5 mm mini stereo jack
Video Input	Composite Video - BNC (requires optional PN-ZB02)
S-Video Input	5-Pin DIN (requires optional PN-ZB02)
Component Video	BNC (Y, Cb/Pb,Cr/Pr) (requires optional PN-ZB02; component video and analog RGB are menu selectable).
HDMI®	Yes - compatible for both PC and AV components
Audio (AV)	RCA pin (L/R) x 2 (requires optional PN-ZB02)
Computer Output	DVI-D 24-pin (HDCP compatible, PC/AV signal; requires optional PN-ZB02)
Audio Line Output	RCA pin (L/R) - selectable fixed or variable line output
Speaker Output	10W + 10W Stereo (6-ohms; requires optional PN-ZB02)
LAN Port	RJ-45 (requires optional PN-ZB02)
RS-232C	D-sub 9-pin
Power Output Connector	Yes - 19V
Functions	
Screen Adjustment	Auto (Clock, Phase, H-POS/V-POS) / Manual
Gain Control	Auto (Black level, Contrast) / Manual
Digital Scaling (expansion)	Yes (VGA/SVGA/XGA/SXGA -> 1366 x 768)
Digital Scaling (compression)	1920 x 1200, 1920 x 1080, 1600 x 1200, 1280 x 1024
Main User Adjustments	Clock, Phase, H-POS/V-POS, Black level, Contrast; Color temp (15 steps preset + 5600K/9300K + User setting); Color mode (Standard/sRGB/Vivid); Gamma (1.8/2.0/2.2/2.4/User setting); Brightness, Volume, Audio (Treble/Bass/Balance), OSD-POS; Picture Adjustment (Tint, Color Intensity) (PC/AV mode); R/G/B/Y/M/C independent adjustment (AV mode)
Real Time Clock Setting	Yes
Scheduling Function	Yes (time, day of the week)
All Reset	Yes
Reset	Screen/Picture/Audio adjustment setting, etc.
Adjustment Lock	YES (incl. Power button)
Daisy Chain (DVI-D)	Optional (PN-ZB02): max. 5 units (HDCP compliant). (Splitter required for more than 6 units.)
Enlarge	Yes (Up to 5x5)
Frame Width Adjustment	Yes
PinP / PbyP	Yes (PinP : 12 steps)
Power On Delay	1-60 seconds (with 1 second interval)
Audio Input Change	Yes
Picture Flip	No
Self Adjust	Yes (PC Analog Input)
Log Save / Output	Yes
Temperature Control	Yes
Hardware Diagnosis	Yes
Monitor Control Software Support	Yes
Power	
Power Consumption	480W
Standby Power Consumption	1.8W (standby mode in Standard), 0.5W (standby mode in Low Power)
Power Source	100 - 240V AC, 50/60 Hz



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