

# 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.



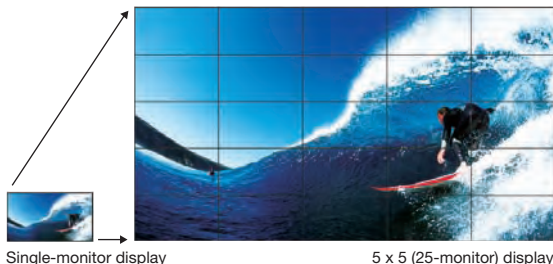


# Sharp Ultra-Slim Bezel LCD Monitor Opens New Display Opportunities

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)

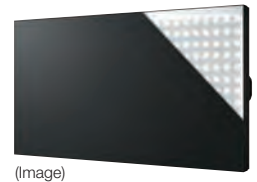
The Enlarge (Zoom) Display mode can spread one image across up to 25 monitors (in a 5 x 5 configuration) from a PC. The Frame Width Adjustment function virtually eliminates misalignment and boldly enhances the enlarged image on a multi-screen display.



## ● 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



## ● PN-ZR01 Control Kit (sold separately)

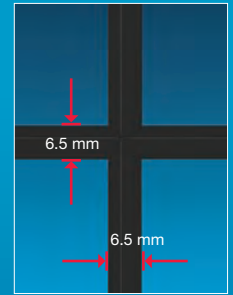
When one of the monitors in a multi-screen configuration is fitted with a remote control sensor box, all of the monitors can be conveniently operated through one remote control unit. And to help with overall energy savings, a brightness sensor automatically adjusts the brightness of the backlight to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





## Almost Limitless Display Possibilities

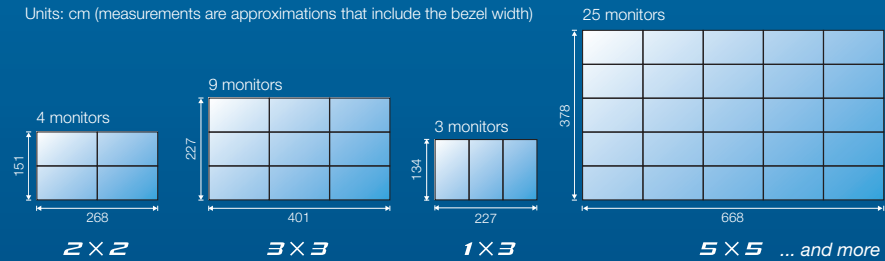
Thanks to the PN-V601's ultra-slim bezel, the borders between neighboring monitors are a virtually seamless 6.5 mm<sup>1</sup> wide (2.4 mm on the right and bottom; 4.1 mm on the left and top).<sup>\*2</sup> When used in a video wall configuration, this enables the display of crisp and high impact images of almost any size and format. And, with 24/7 certified reliability, 3-year onsite parts and labor limited warranty and ENERGY STAR<sup>®</sup> 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.

## Sharp Digital Signage Software

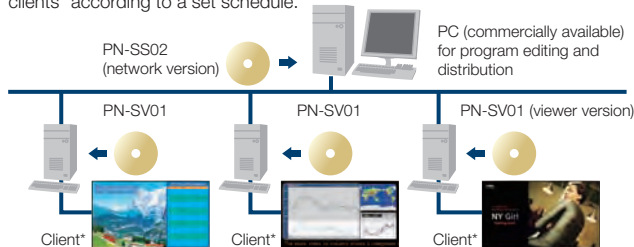
Sharp Digital Signage Software<sup>®</sup> is a versatile management software package that provides total support for the creation, scheduling, distribution, and display of a wide range of programs for Sharp LCD monitors installed in offices, commercial establishments, and public spaces.

- To facilitate program editing, four frames for such diverse content as still images, video, HTML, and Flash<sup>®</sup> can be freely arranged, and two message bars—with multi-language support and a variety of fonts and backgrounds to choose from—can be displayed horizontally or vertically.
- To ensure easy setup of content schedules, Sharp Digital Signage Software features a user-friendly interface.
- To smoothly manage program display, power and input can be remotely controlled, and displays can be remotely monitored.

### For Use in Stand-Alone or Network Systems

#### PN-SS02 Network Version

In network systems, PN-SS02 software enables programs to be edited and stored on a networked PC then distributed via the network to up to 100 clients\* according to a set schedule.



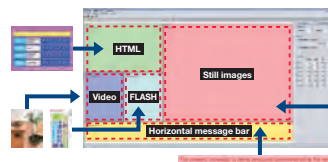
#### PN-SV01 Viewer Version

Used on the client\* side, PN-SV01 viewer software allows programs edited with PN-SS01 or PN-SS02 software to be displayed on the client's LCD monitor according to a set schedule.

#### Sharp Digital Signage Software Configuration

Version name	Number of software installations required
PN-SS02 network version	1
PN-SV01 viewer version	Same as the number of clients*

#### Programme editing screen

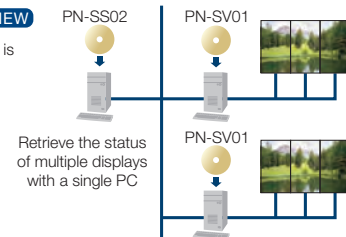


#### Display screen



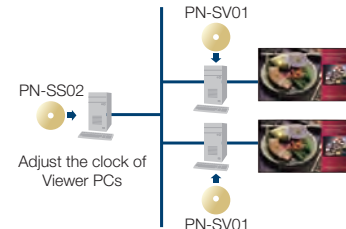
#### <Multiple Display Management> NEW

Sharp Digital Signage System (ver. 3.0) is able to retrieve status updates from multiple displays via a single PC, simplifying the task of managing large configurations.



#### <Synchronized Display> NEW

SDSS is able to synchronize the clocks on each viewer PC with the management PC at regular intervals, making it possible to start programs on multiple displays at the exact same time.



#### PN-SS01 Stand-Alone Version

In stand-alone systems, PN-SS01 software enables programs to be edited on a single PC for display on a single LCD monitor according to a set schedule. Programs can be transferred to another client\* via a USB flash drive.

\*Each client represents a separate PC and Sharp LCD monitor.

# Specifications

<b>Model Name</b>	<b>PN-V601</b>		<b>Input Terminals</b>	<b>Standard</b>	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	
<b>Installation</b>	Landscape / Portrait			<b>Via Optional PN-ZB02 Board</b>	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	
<b>LCD Panel</b>	60-inch widescreen (152.4 cm diagonal)		<b>Output Terminals</b>	<b>Standard</b>	Audio: RCA pin (L/R) x 1, RS-232C D-sub 9-pin x 1	
	<b>Max. Resolution</b>	1,366 x 768 pixels		<b>Via Optional PN-ZB02 Board</b>	PC digital: DVI-D 24 pin x 1, External speaker 10W + 10W (6 Ω)	
	<b>Max. Display Colors (approx.)</b>	16.77 million colors	<b>Input/Output Terminals</b>	<b>Via Optional PN-ZB02 Board</b>		LAN port
	<b>Pixel Pitch</b>	0.97275 mm		<b>Power Supply/Power Consumption</b>		100V – 240V AC, 50/60 Hz/480W
	<b>Max. Brightness*</b>	700 cd/m <sup>2</sup>	<b>Mounting</b>		VESA (6 points), 200mm (7 7/8") pitch VESA (4 points), 200mm (7 7/8") pitch	
	<b>Contrast Ratio</b>	2400:1	<b>Environmental Conditions</b>	<b>Operating Temperature</b>		0°C to 40°C
	<b>Viewing Angle (H/V)</b>	176°/176° (CR ≥ 10)		<b>Operating Humidity</b>		20% to 80% RH (no condensation)
	<b>Active Screen Area (W x H)</b>	1328.8 x 747.1 mm		<b>Dimensions (W x D x H) (approx.)</b>		1,335.9 x 149.3 x 754.2 mm (52 5/8" x 5 7/8" x 29 3/4") (Display section only, not including protrusions)
<b>Response Time</b>	6 ms (gray to gray, avg.)		<b>Packing Dimensions (W x D x H) (approx.)</b>		1,580 x 381 x 932 mm (62 1/4" x 15" x 36 3/4")	
<b>Computer Input</b>	<b>Video</b>	Analog RGB (0.7 Vp-p) [75 Ω], Digital (conforms to DVI 1.0 standards)	<b>Weight (not including PN-ZB02) (approx.)</b>		44 kg (96.9 lbs.)	
	<b>Synchronization</b>	Horizontal/vertical separation (TTL: positive/negative) Sync-on-green, Composite sync (TTL: positive/negative)	<b>Packing Weight (approx.)</b>		55 kg (121.25 lbs.)	
	<b>Plug &amp; Play</b>	VESA DDC2B	<b>Main Accessories</b>		AC power code (approx. 3m.) operation manual, CD-ROM, stand hole protection cover	
	<b>Power Management</b>	VESA DPMS, DVI DMPM	<b>UPC</b>		074000047068	
<b>Video Color System</b>	NTSC (3.58 [NTSC-M]) / NTSC (4.43) / PAL / PAL60 / SECAM					

\* 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.

## Sharp Digital Signage Software Operating Environment

<b>Personal Computer</b>	CPU-Celeron® M1.3GHz or faster (Pentium® 4 processor is recommended) A high-performance CPU, such as Pentium® 4 2GHz or faster, is required for programs that include a large volume of videos or other content*1
<b>OS</b>	Microsoft® Windows® XP, Microsoft® Windows Vista®, Microsoft® Windows 7, Microsoft® Windows Server® 2003/2008 (English version)
<b>Memory</b>	256MB or more (512MB or more is recommended)*1
<b>Hard Disk</b>	20MB or more of free space (required for data)
<b>Display (PC use)*2</b>	Full-color display with a resolution of 1,024 x 768 or higher
<b>Interface</b>	USB port (only for use with USB memory), LAN port (only network versions that enable TCP/IP communications)
<b>Miscellaneous</b>	Microsoft® Internet Explorer® 6.0 or later, Microsoft® PowerPoint® Viewer 2003/2007, Microsoft® Windows Media® Player 9 or later*3, Adobe® Flash® Player QuickTime Player 7 or later (for playback of QuickTime content)

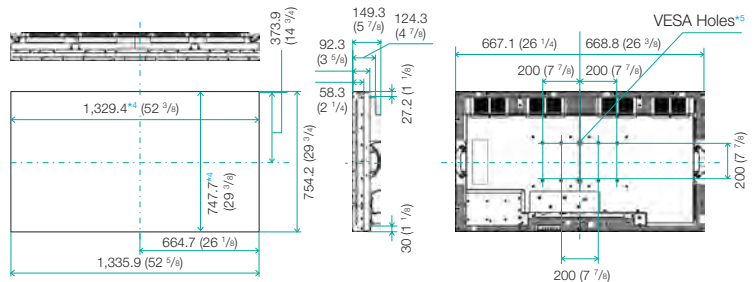
Sharp Digital Signage Software Supported Files	
<b>Background and Display Frames 1 to 4</b>	MPEG, MPEG1, MPEG2, MPEG4, WMV (format for playing back on Windows Media® VIDEO - Windows Media® Player), MOV (format for playing back on QuickTime Player), Adobe® Flash® (format for playing back on Adobe® Flash® Player), PowerPoint®, HTML, JPEG, BMP, GIF, PNG
<b>Audio</b>	WAVE, MP3, AU, AIFF, WMA (format for playing back on Windows Media® Audio - Windows Media® Player), MIDI, MOV (format for playing back on QuickTime Player)

Depending on CPU speed, memory, and other factors, it may not be possible to use some video, subtitles, and other content.

\*1 This operating environment must be available when using Microsoft® Windows Vista® or Microsoft® Windows 7.

\*2 For creating and editing programs and schedules.

\*3 A codec (sold separately) may be required to play back video files.



Units: mm (inch)

\*4 Screen dimensions

\*5 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)

### PN-ZB02 Interface Expansion Board (option) 074000047068

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