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

PN-V602
60" Class (60" Diagonal) Ultra-Slim Bezel
Ultra-High Brightness Video Wall Monitor

Bravo Baroque!
The best-loved works of Baroque masters, Bach, Handel, Vivaldi, and Pachelbel
Introducing the 60” Diagonal Class PN-V602 LCD video wall monitor with exceptionally high brightness, extraordinary image quality and ultra-slim bezel design.

**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.

**Breathtaking Image Quality**

The PN-V602’s exceptional image quality comes from Sharp’s industry leading LCD technologies. Sharp proprietary UV²A® technology incorporated into the 60” diagonal class LCD panel provides highly efficient use of light from the full-array LED backlight while simultaneously preventing light leakage. The results are exceptionally high quality images with bright whites, amazingly vivid colors and extremely deep blacks. Sharp’s full-array LED backlight, with LED elements evenly positioned across the entire panel, helps ensure that Sharp multi-screen displays are bright, beautiful and uniform.

* 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.

**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 less power.

**Power Consumption Comparison**

<table>
<thead>
<tr>
<th>Local Dimming</th>
<th>Power Consumption (W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>500W</td>
</tr>
<tr>
<td>HIGH</td>
<td>270W Down by approx. 46%</td>
</tr>
<tr>
<td>(ref) 700 cd/m²</td>
<td>155W</td>
</tr>
</tbody>
</table>

* 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.

**Notes:**
1. The PN-V602 is intended for use in indoor environments. If the monitor is installed in a location exposed to excessive direct sunlight such as a windowfront, consult your installer to determine if additional measures to reduce ultraviolet and infrared radiation and ambient temperature are required.
2. The images in this brochure are simulated. Depending on the system, additional software/hardware may be required.
Create virtually seamless video walls with incredible brightness in almost any size and configuration.

Create Dynamic Video Walls

Almost any number of PN-V602 displays can 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.

Choice of Installation Mode

The PN-V602 offers the choice of landscape, portrait or "face-up/face-down" installation. This allows customers to select the mode that best suits their content and application, greatly expanding the possibilities for video walls and digital signage displays.

Mirror Frames (option)

In multi-screen configurations, mirror frames minimize* the lines between slim-bezel PN-V602 displays by reflecting mirror images from the display content. This helps create more dynamic video walls with an even smoother big-picture effect.

* Visibility of the seams between monitors will vary depending on on-screen images and viewing angle.

Ultra-Slim Bezel for Dynamic Video Walls

The PN-V602 boasts the slimmest bezel in the 60" diagonal class of LCD monitors*1 resulting in the lines between neighboring monitors in a video wall being only 6.5 mm*3 wide (2.4 mm right and bottom; 4.1 mm left and top)*3. This enables the high impact display of video wall images of almost unlimited size and configuration.

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A Multi-Screen Configuration with Mirror Frames

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 single PC, and without the need for external processors. The Frame Width Adjustment function virtually eliminates misalignment and helps enhance the quality of the enlarged image on a multi-screen display.

Brightness Sensor*

The brightness sensor function automatically adjusts backlight brightness to complement surrounding ambient light levels. In dark environments, backlight brightness automatically lowers, helping provide optimal viewing, along with energy savings.

* Requires optional PN-ZR01 control kit.

24/7 Operation

Engineered for 24/7 certified commercial use, Sharp LCD video wall displays are designed to provide the reliability and durability needed for most any professional application.

ENERGY STAR® Qualified

Sharp LCD video wall displays conform to ENERGY STAR qualifications, as well as the RoHS Directive restricting the use of hazardous substances.
Specifications

<table>
<thead>
<tr>
<th>Model Name</th>
<th>PN-V602</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation</td>
<td>Landscape / Portrait / Face-up / Face-down (Note, face-up operation requires optional PN-ZR31 fan cover kit)</td>
</tr>
<tr>
<td>LCD Panel</td>
<td>60-inch class (60” diag.) widescreen (152.4 cm diag.), UV/FA LCD</td>
</tr>
<tr>
<td>Max. Resolution</td>
<td>1,366 x 768 pixels</td>
</tr>
<tr>
<td>Max. Display Colors (approx.)</td>
<td>16.77 million colors</td>
</tr>
<tr>
<td>Pixel Pitch (H x V)</td>
<td>0.973 x 0.973 mm</td>
</tr>
<tr>
<td>Max. Brightness*1</td>
<td>1,500 cd/m²</td>
</tr>
<tr>
<td>Contrast Ratio</td>
<td>1,000:1 (local dimming set to HIGH), 5,000:1 (without local dimming)</td>
</tr>
<tr>
<td>Viewing Angle (H/V)</td>
<td>176°/176° (CR ≥ 10)</td>
</tr>
<tr>
<td>Active Screen Area (W x H)</td>
<td>52 1/8” x 29 1/16” (1,328.8 x 747.1 mm)</td>
</tr>
<tr>
<td>Response Time</td>
<td>6 ms (gray to gray, avg.)</td>
</tr>
</tbody>
</table>

Computer Input

- Analog RGB (0.7 Vp-p) [75Ω], Digital (conforms to DVI 1.0 standards)
- VESA DDC2B

Synchronization

- Horizontal/vertical separation: TTL (positive/negative)
- Sync-on-green, Composite sync (TTL: positive/negative)

Audio input

- RCA pin (L/R) x 1, RS-232C: D-sub 9-pin x 1

Audio output

- Audio, RCA pin (L/R) x 2

Input Terminals*2

- Standard: PC analog: Mini-D-sub 15-pin x 1, HDMI® (1080p compatible) x 1, Component video, RS-232C: D-sub 9-pin x 1, Control Kit jack x 1
- Via Optional PN-ZB20 Board: PC digital: DVI-D 24-pin x 1 (HDCP compatible) + 1, PC analog: BNC x 1, Video: BNC x 1, Video: BNC x 1 (Y, Cb/Pb, Cr/Pr) x 1, Audio: RCA pin (L/R) x 2

Output Terminals*2

- Standard: Audio: RCA pin (L/R) x 1, RS-232C: D-sub 9-pin x 1
- Via Optional PN-ZB20 Board: PC digital: DVI-D 24-pin x 1, External speaker: 10W + 10W (6Ω)

Power Supply

- 100V ~ 240V AC, 50/60 Hz
- Power Consumption: 510W (local dimming: OFF)

Environmental Conditions

- Operating Temperature: 0°C to 40°C
- Operating Humidity: 20% to 80% RH (no condensation)

Dimensions (W x D x H) (approx.)

<table>
<thead>
<tr>
<th>Width</th>
<th>Depth</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>52 3/8”</td>
<td>26 1/8”</td>
<td>5 7/8”</td>
</tr>
</tbody>
</table>

Weight (not including PN-ZB20) (approx.)

- 44 kg (97 lbs)

Other Options

- PN-ZR01: Control Kit (remote controller and remote control sensor box)
- PN-ZR31: Fan Cover Kit
- PN-ZR32: Long Mirror Frame
- PN-ZR33: Short Mirror Frame

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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