Sharp Quality and Brilliance—
for Utterly Sensational Signage

Bravo Baroque!
The best-loved works of 4 Baroque maestros:
Bach, Handel, Vivaldi, and Pachelbel

the SHARP experience  see what happens
Introducing the PNV602 professional LCD monitor with super-high 1,500 cd/m² brightness and extraordinary image quality—the brilliant way to bring dazzling results to multi-screen configurations in bright locations.

High Brightness, High Visibility

Ultra-high brightness of 1,500 cd/m² lets the PNV602 excel in brightly lit indoor locations, even those awash in sunlight. And high contrast makes images clearly visible from a distance, so the PNV602 can be installed in places where the LCD monitor is well out of reach—but not view—of the targeted audience. Indoor sports facilities, transportation hubs, shopping centres, and event venues are just some of the many settings where the PNV602 can give vivid display to superb-quality images.

Breathtaking Image Quality

The PNV602’s exceptional image quality comes from Sharp’s own industry-leading LCD technologies. Sharp UV2A* technology, incorporated into the 60-inch LCD panel, ensures highly efficient use of light from the backlight and prevents light leakage for the display of truly bright whites, amazingly vivid colours, and extremely deep blacks. And Sharp’s full-array LED backlight, sporting LED elements evenly positioned across the entire panel, gives PNV602 images remarkably uniform brightness.

* 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.

High Contrast and Superb Energy Efficiency

The PNV602 owes much of its outstanding black levels, amazing contrast, and superb energy efficiency to local dimming of the LED backlight. Local dimming allows specific groups of LEDs to be independently dimmed or brightened for greater control of the darkness and brightness in different areas of the monitor, resulting in considerably reduced power consumption. That’s why the PNV602 can deliver significantly better contrast and brightness than conventional LCD monitors while using remarkably less power!

Power Consumption Comparison*

<table>
<thead>
<tr>
<th>Brightness Level</th>
<th>Power Consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,500 cd/m²</td>
<td>500W</td>
</tr>
<tr>
<td>Local dimming: OFF</td>
<td></td>
</tr>
<tr>
<td>1,500 cd/m²</td>
<td>270W</td>
</tr>
<tr>
<td>Local dimming: HIGH</td>
<td>Down by approx. 46%</td>
</tr>
<tr>
<td>(ref) 700 cd/m²</td>
<td>155W</td>
</tr>
<tr>
<td>Local dimming: HIGH</td>
<td></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.

Note: The PNV602 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.

Note: The images in this brochure are simulated. Depending on the system, additional software/hardware may be required.
The PNV602 also boasts streamlined bezels, making it the ideal monitor for nearly seamless, high-impact video walls. No wonder the cutting-edge PNV602 is such a shining example of digital signage potential.

**Create Dynamic Video Walls**

Multiple PNV602 monitors can be joined together to create video walls configured to a variety of purposes and settings. Easy to assemble and easily controlled via the RS-232C interface or a network*, video walls composed of Sharp PNV602 monitors bring dynamic, high-impact exposure to commercial display content.

* PNZB02 Interface Expansion Board is required for control via a network.

**Choice of Installation Mode**

The PNV602 offers a choice of landscape or portrait installation, allowing customers to select the mode that best suits their display content and application.

**Mirror Frames (option)**

In multi-screen configurations, Mirror Frames minimize the lines between slim-bezel PNV602 monitors by reflecting mirror images from the display content. This creates more dynamic video walls and an even smoother big-picture effect.

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

**Ultra-Slim Bezel**

The PNV602 boasts an ultra-slim bezel that makes the lines between neighbouring monitors an almost seamless 6.5 mm*1 wide (2.4 mm right and bottom, 4.1 mm left and top)*2. This enables the high-impact display of large, crisp images that catch the eye and capture the attention.

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

**Enlarge (Zoom) Display Mode**

(for up to 25 Monitors)

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

**24/7 Operation**

The PNV602 is rugged enough for continuous 24/7 operation in the most demanding professional applications.

**Environmentally Friendly Design**

The PNV602 conforms to the ENERGY STAR® programme, an international system identifying energy-efficient products, and to the RoHS Directive restricting the use of hazardous substances.
Specifications (tentative)

**Model Name**
PNV602

**Installation**
Landscape / Portrait

**LCD Panel**
60-inch widescreen (152.4 cm diagonal), UVŁA LCD

Max Resolution
1,366 x 768 pixels

Max Display Colors (approx.)
16.77 million colours

Pixel Pitch (H x V)
0.973 x 0.973 mm

Max Brightness
1,500 cd/m²

Contrast Ratio
1,000:1:1 (local dimming set to HIGH) 5,000:1 (without local dimming)

Viewing Angle (H/V)
170°/170° (CR ≥ 10)

Active Screen Area (W x H)
1,328.8 x 741.7 mm (52 3/8” x 29 3/4”)

Response Time
6 ms (grey to grey, 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 DDC/EEE

Power Management
VESA DPMs, DVI DPM

**Video Colour System**
NTSC (3.58 MHz), 4.43 MHz / PAL, PALM / SECM

**Input Terminals**

Standard
PC analogue: Mini D-sub 15-pin x 1, HDMI (1080p compatible) x 1, 3.5 mm mini stereo jack x 1, Video input*, Component video (VGA)*, RS-232C: D-sub 9-pin x 1, Control ID jack x 1

Optional PNZB02 Board
PC digital: DVI-D 24-pin (HDCP compatible) x 1, PC analogue: BNC x 1, Video: BNC x 1, S-Video x 1, Component video: BNC (Y, Cb/Pb, Cr/Pr) x 1, Audio: RCA-pin 6.4 mm x 1

**Output Terminals**

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

Optional PNZB02 Board
PC digital: DVI-D 24-pin x 1, External speaker: 10W + 10W (6 Ω)

**Input/Output Terminals**

Optional PNZB02 Board
LAN port (10Base-T/100Base-TX)

**Power Supply**
100 – 240V AC, 50/60 Hz

**Power Consumption**
510W

**Environmental Conditions**

Operating Temperature
0°C to 40°C

Operating Humidity
20% to 80% RH (no condensation)

Dimensions (W x D x H) (approx.)
1,355.9 x 754.2 x 81.2 mm (53 1/2” x 30” x 3 1/8”)

Weight (not including PNZB02) (approx.)
44 kg (97 lbs)

---

**Sharp Digital Signage Software (option)**

Sharp Digital Signage Software is a versatile management software package that provides total support for the creation, scheduling, distribution, and display of a wide range of content for the PNV602.

**PNSS01 Stand-Alone Version**

In stand-alone systems, PNSS01 enables programmes to be edited on a single PC for display on LCD monitors according to a set schedule. Programmes can be transferred to another client* via a USB thumb drive.

**Stand-Alone System Configuration**

PNSS01 (stand-alone version)

PC (commercially available) for programme editing

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

**PNSS02 Network Version**

In network systems, PNSS02 software enables programmes to be edited and stored on a networked PC then distributed via the network to up to 100 clients* according to a set schedule.

**PNSSV01 Viewer Version**

Used on the client* side, PNSSV01 viewer software allows programmes edited with PNSS01 or PNSS02 software to be displayed on the client’s LCD monitors according to a set schedule.

**Other Options**

- **PNZR01 : Control Kit**
  (remote controller and remote control sensor box)
- **PNZR32 : Long Mirror Frame**
- **PNZR33 : Short Mirror Frame**

---

**Note:**

- The PNV602 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.
- The images in this brochure are simulated.
- Note: The PNV602 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.
- The images in this brochure are simulated.
- Note: The PNSV01 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.
- The images in this brochure are simulated.

---

**FOR PRODUCT INFORMATION CONTACT:**

KEVIN SAINDON
Technology Solutions Specialist
905.513.3609
toll free 1.888.822.3111
kevin.saidon@brigholme.com