**LCD Monitors with the Power of Touch**

**LL-P202V**
**LL-S242A-W**

**Main Accessories**
- Digitizer pen
- Pen stand

**Input/Output Terminals**
- Input: USB-Micro USB cable (for touchscreen operation)
- Output: USB 2.0 (type A) x 1, DisplayPort™ x 1, HDMI™/MHL™ x 1

**Dimensions**
- LL-P202V: 463.8 x 25.2 x 274.8 mm (18 1/4" x 1" x 10 13/16")
- LL-S242A-W: 566.4 x 28.7 x 338.3 mm (22 5/16" x 1 1/8" x 13 5/16")

**Weight**
- LL-P202V: 2.3 kg (5.07 lbs)
- LL-S242A-W: 4.8 kg (10.58 lbs)

**Input Terminals**
- Computer Input: Plug & Play
- Input: DisplayPort™, HDMI™, USB 2.0 (type A)

**Power Supply**
- 100V – 240V AC, 50/60 Hz, DC 19 V

**Power Consumption**
- 41 W (29 W*4) 48 W (36W*4)

**Environmental**
- Operating Temperature: 0˚C to 35˚C
- Operating Humidity: 20% to 80% RH (no condensation)

**Specifications**

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<tr>
<td>LL-P202V</td>
<td>Landscape / Portrait</td>
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<td>20-inch-class (19 1/2-inch [49.5 cm] diagonal) TFT LCD</td>
<td>1,920 x 1,080 pixels</td>
<td>0.225 x 0.225 mm</td>
<td>250 cd/m2</td>
<td>3,000 : 1</td>
<td>178°/178°</td>
<td>432 x 243 mm (17” x 9 9/16”)</td>
<td>5 ms (grey to grey, avg.)</td>
<td>LED, edge lit</td>
<td>Capacitive touch</td>
<td>10 points</td>
<td>Digitizer pen</td>
<td>Touch pen</td>
<td>Windows® 8.1, Windows® 8, Windows® 7, Windows Vista®*3</td>
<td>Plug &amp; Play</td>
<td>DisplayPort™</td>
<td>VESA DDC2B</td>
<td>DisplayPort™ x 1, HDMI™/MHL™ x 1</td>
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<td>24-inch-class (23 5/8-inch [60.0 cm] diagonal) TFT LCD</td>
<td>1,920 x 1,080 pixels</td>
<td>0.272 x 0.272 mm</td>
<td>250 cd/m2</td>
<td>3,000 : 1</td>
<td>178°/178°</td>
<td>521.3 x 293.2 mm (20 1/2” x 11 9/16”)</td>
<td>14 ms (grey to grey, avg.)</td>
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The LL-P202V is a 20-inch-class multi-touch LCD monitor with a digitizer function that lets you write directly on the display with the bundled digitizer pen. This monitor opens up a broad range of possible applications when used in concert with graphics software or office software such as Microsoft® Word, Excel®, PowerPoint®, and Outlook®. The list of areas where the LL-P202V can add tangible value is almost limitless: in various business situations, in education, for proofreading, for CAD, in hospitality, in healthcare, and much more.

### 20-Inch-Class Full HD Touchscreen LCD
The LL-P202V employs a 20-inch-class capacitive touchscreen LCD with 10-point multi-touch functionality. This LCD provides extremely quick response for writing and touch gestures, while delivering full HD (1,920 x 1,080-pixel) resolution. It can also distinguish between pen input and hand input. When it detects the bundled digitizer pen, it prioritises pen input and cancels any input coming from hands or fingers.

### Highly Sensitive Pen Input

#### Windows® 8.1 Compatible Digitizer Pen
The bundled digitizer pen is ergonomically designed for an easy grip and comfortable writing. You can write text or draw illustrations smoothly with an uninterrupted flow, and you can select small onscreen objects and move them around. The pen supports a wide variety of usage situations, ranging from business to graphics applications, using software such as Microsoft Reader.

#### Pressure-Sensitive Writing
The digitizer pen is pressure sensitive, enabling you to write smoothly and naturally as if on a piece of paper. Signatures look authentic, while illustrations get a warm, organic texture. And the Palm Cancellation function prevents hand input from interfering with pen input, so you can rest your hand comfortably on the screen while writing.

### Stand Tilts at Variable Angles
The LL-P202V comes with a stand that can be tilted at an angle ranging from 20 to 75 degrees. The monitor can be set up in whatever position you find most comfortable: the 20-degree angle is ideal for onscreen handwriting, whereas the 75-degree angle provides optimal viewing.

### Collaboration with Larger Displays
The LL-P202V connects with Sharp’s interactive whiteboards and Sharp video walls for use in meetings, presentations, seminars, and lectures held in large venues. Content on the LL-P202V, including the presenter’s handwritten annotations, can be mirrored in real-time on the interactive whiteboard or video wall for all participants to see.
The LL-S242A-W is a 24-inch-class touchscreen LCD monitor with 10-point multi-touch capability. Boasting high resolution and high responsiveness, it also supports handwriting via a dedicated fine-tipped touch pen. This is one monitor that adds fresh appeal to indoor digital signage applications. You get to enjoy interactive touchscreen communication and flexible installation options.

**24-Inch-Class Full HD Touchscreen LCD**

The LL-S242A-W employs a 24-inch capacitive touchscreen LCD that provides extremely quick response for writing and touch gestures, while also delivering full HD (1,920 x 1,080-pixel) resolution. A wide viewing angle of 178 degrees—both horizontally and vertically—means that viewers can see high-quality images with minimal alterations to colour and brightness.

**Palm Cancellation Function**

A palm cancellation function prioritises pen recognition, so you can write with the touch pen even if your palm is resting on the screen.

**Choice of Installation Mode**

Whether installed in a landscape or portrait orientation, the LL-S242A-W offers a convenient, high-impact way to convey information in a wide range of settings. It comes with a stand for both landscape and portrait installation, and it offers compatibility with commercially available VESA mounts.

**2 mm-Tip Touch Pen**

The bundled touch pen allows smooth and accurate onscreen writing of fine text and lines—it’s just like writing on paper. The extra-narrow 2 mm tip enables you to easily underline text, add notations, and draw illustrations onto onscreen content. You can also add new information to your digital signage display to keep it up to date, or you can create eye-catching handwritten digital POP displays.

**Sharp Pen Software**

The bundled Sharp Pen Software opens up a world of natural handwriting functionality. Once documents have been imported as images and displayed on the touchscreen, you can write directly on them using the touch pen or a finger. This software also features an overlay mode that enables onscreen handwriting regardless of the application being used.

**Sharp Digital Signage Software (option)**

Sharp Digital Signage Software (SDSS) is versatile management software that provides total support for the creation, scheduling, distribution, and display of a wide range of onscreen content. SDSS lets you centrally monitor the system’s operational status and control power on/off.
Specifications

**LL-P202V**
- **Model Name**: LL-P202V
- **Installation**: Landscape / Portrait
- **Dimensions**: Landscape / Portrait
- **LCD Panel**: 20-inch-class (19 7/8-inch [49.5 cm] diagonal) TFT LCD
- **Max. Resolution**: 1,920 x 1,080 pixels
- **Max. Display Colours (approx.)**: 16.7 million colours
- **Pixel Pitch (H x V)**: 0.225 x 0.225 mm
- **Max. Brightness (average)**: 250 cd/m²
- **Contrast Ratio (average)**: 3,000 : 1
- **Viewing Angle (H-V)**: 178°/178° (CR ≥ 10)
- **Active Screen Area (W x H) (approx.)**: 432 x 243 mm (17" x 9 9/16")
- **Response Time**: 5 ms (grey to grey, avg.)
- **Backlight**: LED, edge lit
- **Input Terminals**: USB, HDMI
- **Input/Output Terminals**: USB 2.0 (type A) x 1
- **Built-in Speakers**: 1 W + 1 W
- **Built-in Speakers**
- **Power Supply**: 100V – 240V AC, 50/60 Hz, DC 19 V
- **Power Consumption**: 41 W (29 W*4)
- **Environmental Conditions**: Operating Temperature 0°C to 35°C
- **Environmental Conditions**: Operating Humidity 20% to 80% RH (no condensation)
- **Dimensions (W x D x H) (approx.) (display only)**: 463.8 x 25.2 x 274.8 mm (18 1/4" x 1" x 10 13/16")
- **Weight (approx.) (display only)**: 2.3 kg (5.07 lbs)
- **Main Accessories**: Digitizer pen, pen stand, variable-angle stand, USB-Micro USB cable (for touchscreen operation), power cord, AC adaptor, utility CD-ROM (Sharp Pen Software, user’s manual, etc.), warranty

**LL-S242A-W**
- **Model Name**: LL-S242A-W
- **Installation**: Landscape / Portrait
- **Dimensions**: Landscape / Portrait
- **LCD Panel**: 24-inch-class (23 5/8-inch [60.0 cm] diagonal) TFT LCD
- **Max. Resolution**: 1,920 x 1,080 pixels
- **Max. Display Colours (approx.)**: 16.7 million colours
- **Pixel Pitch (H x V)**: 0.272 x 0.272 mm
- **Max. Brightness (average)**: 250 cd/m²
- **Contrast Ratio (average)**: 3,000 : 1
- **Viewing Angle (H-V)**: 178°/178° (CR ≥ 10)
- **Active Screen Area (W x H) (approx.)**: 521.3 x 293.2 mm (20 1/4" x 11 11/16")
- **Response Time**: 14 ms (grey to grey, avg.)
- **Backlight**: LED, edge lit
- **Input Terminals**: USB, HDMI
- **Input/Output Terminals**: USB 2.0 (type A) x 1
- **Built-in Speakers**: 1 W + 1 W
- **Built-in Speakers**
- **Power Supply**: 100V – 240V AC, 50/60 Hz, DC 19 V
- **Power Consumption**: 48 W (36W*4)
- **Environmental Conditions**: Operating Temperature 0°C to 35°C
- **Environmental Conditions**: Operating Humidity 20% to 80% RH (no condensation)
- **Dimensions (W x D x H) (approx.) (display only)**: 566.4 x 28.7 x 338.3 mm (22 1/2" x 1 1/8" x 13 5/16")
- **Weight (approx.) (display only)**: 4.8 kg (10.58 lbs)
- **Main Accessories**: Digitizer pen, pen stand, variable-angle stand, USB-Micro USB cable (for touchscreen operation), power cord, AC adaptor, utility CD-ROM (Sharp Pen Software, user’s manual, etc.), warranty

**Dimensions**

**LL-P202V**
- **VESA holes**: 100 x 100 mm pitch, M4 screw

**LL-S242A-W**
- **VESA holes**: 100 x 100 mm pitch, M4 screw

**Input/Output Terminals**
- **USB Digitizer pen terminal**
- **DisplayPort**
- **HDMI**
- **DC-IN 19V**

**Main Accessories**
- **Digitizer Pen and Pen Stand**
- **Touch Pen and Stand**

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