**SHARP**

Be Original.

**PN-70SC3**

Touchscreen LCD Monitor

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**Periodic Table of Elements**

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Atomic number

Symbol

Element name

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**A More Engaging Solution for the Office or Classroom**

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**BIG PAD**

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**Windows® PC System Requirements**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Memory</strong></td>
<td>Intel® Celeron® 1.6GHz, or AMD Sempron™ 1.6GHz or higher (CD-ROM drive required for installation)</td>
</tr>
<tr>
<td><strong>OS</strong></td>
<td>PC/AT compatible machine with USB 2.0 port and screen resolution of 1,920 x 1,080</td>
</tr>
<tr>
<td><strong>CPU</strong></td>
<td>Windows® 7 (32-bit/64-bit), Windows® 8 (32-bit/64-bit), Windows® 8.1 (32-bit/64-bit)</td>
</tr>
</tbody>
</table>

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**Specifications**

- **Screen dimensions**:
  - Units: mm (inch)

- **Dimensions**:
  - 109 (3 9/16"

- **Output Terminals**:
  - Input Terminals:
    - Video Colour System
    - Plug & Play
    - Computer Input
    - Video
    - Touch Pen Function Button
    - Touchscreen Touch Technology
    - Backlight
    - Response Time
    - Active Screen Area (W x H) (approx.)
    - Viewing Angle (H/V)
    - Contrast Ratio
    - Pixel Pitch (H x V)
    - Max. Display Colours (approx.)
    - Max. Resolution
    - LCD Panel

- **Installation**:
  - Protection Glass
  - Multi Touch

- **Power Supply**:
  - PC Connection Port
  - Main Accessories
  - Weight (approx.)
  - Dimensions (W x D x H) (approx.) (display only)

- **Conditions**:
  - Operating Humidity
  - Environmental Operating Temperature
  - Power Consumption

- **Power Supply**:
  - 235 W
  - 100V – 240V AC, 50/60 Hz

- **Mounting**:
  - VESA (4 points), 400 mm pitch, M6 screw

- **Speaker Output**:
  - 10 W + 10 W

- **Audio**:
  - RCA pin (L/R) x 1

- **Connecting**:
  - VESA holes*

- **Protection**:
  - Thickness: Approx. 3.4 mm*3
  - Shock resistance: 130 cm*4

- **Battery**:
  - Supplied from USB port

- **Operating System**:
  - Windows® 7 (32-bit/64-bit), Windows® 8 (32-bit/64-bit), Windows® 8.1 (32-bit/64-bit)

- **Features**:
  - 6 points
  - 6 ms (grey to grey, avg.)
  - Analogue RGB (0.7 Vp-p) [75/uni03A9]
  - Horizontal/vertical separation (TTL: positive/negative)
  - N/A (passive pen)
  - VESA DDC2B
  - PC/AV input
  - Audio output
  - Audio input
  - Component video

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**Supplied Accessories**

- AC power cord (3-pin), remote control unit, batteries (AA size x 2), SHARP Pen Software CD-ROM, set-up manual, cable clamps x 2, USB cable*7, eraser, pen tray, touch pen (without function button), blank sticker

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**Model Name**

PN-70SC3

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A Smart Display That’s Built to Enhance Communication

Whether you’re in a classroom or a meeting room, it can sometimes be a challenge to keep everyone focused and engaged. This large full-HD 70-inch touchscreen monitor lets you display and manipulate a variety of information with ease and precision for brainstorming and sharing information in real time. Flexible and cost-effective, the PN-70SC3 provides a platform to boost productivity and creativity.

**Lively Interactions**

Recognising up to six points of contact, the PN-70SC3 lets two people write on the screen at the same time using touch pens or fingers. Participants can take an active part in classroom interactions, meetings, brainstorming sessions, and more. With simultaneous writing, your discussions and presentations become platforms for the productive and creative exchange of ideas. Having two people write at the same time lets you double the range of opinions gathered during discussions. During a debate between two groups, for example, participants can dictate points to two nominated note writers. And no matter where you’re writing on the screen, you can easily change the colour and type of pen output or use the included eraser to delete unwanted content.

*Note: When multiple touch pens are used simultaneously, they have the same pen settings.*

**Simplicity and Reliability**

Using a touch pen, you can easily launch and display the SHARP Pen Software user interface—a menu comprising smartly arranged icons that provide easy access to pen settings and functions. Menus can be browsed easily and are displayed in a floating format that allows them to be moved to anywhere on the screen.

**User-Friendly SHARP Pen Software**

Optional SHARP Display Connect*1 software (PN-SL20) supports effective and multifaceted communication. Onscreen content—including handwritten notes and drawings—can be viewed simultaneously on the PN-70SC3 and on mobile devices*2 such as PCs, tablets, and smartphones. SHARP Display Connect facilitates interactive presentations, lively discussions, and paperless meetings in both business and educational settings.

- SHARP Display Connect enables the following interactive functions on the PN-70SC3 and mobile devices connected via wireless LAN: sharing of onscreen content, transfer of files, interactive onscreen writing and drawing, remote control of the PN-70SC3 from mobile devices.

**Smart Collaboration**

**Simultaneous Writing**

Recognising up to six points of contact, the PN-70SC3 lets two people write on the screen at the same time using touch pens or fingers. Participants can take an active part in classroom interactions, meetings, brainstorming sessions, and more. With simultaneous writing, your discussions and presentations become platforms for the productive and creative exchange of ideas. Having two people write at the same time lets you double the range of opinions gathered during discussions. During a debate between two groups, for example, participants can dictate points to two nominated note writers. And no matter where you’re writing on the screen, you can easily change the colour and type of pen output or use the included eraser to delete unwanted content.

*Note: When multiple touch pens are used simultaneously, they have the same pen settings.*
That’s where Sharp’s PN-70SC3 comes in. Smart and convenient SHARP Pen Software opens up new possibilities for collaboration and enhance the impact of your lessons, meetings, or presentations.

### Display, Write, Edit, and Share Information
The PN-70SC3’s SHARP Pen Software includes two convenient modes that you can select depending on your needs. Whiteboard mode is ideal for writing memos and diagrams, and it comes with a range of useful background templates: a calendar, an action plan, a to-do list, a corkboard, and more. With overlay mode, meanwhile, you can write or draw directly onto displayed photos, videos, PDFs, or Microsoft® Excel®, Word, and PowerPoint® documents. In either mode, you can easily save your notes, make printouts, send files as e-mail attachments, and share data with selected recipients. Because meetings and classroom discussions revolve around a single large monitor, participants can stay focused on the interaction itself rather than on their own note-taking.

### 70-Inch Screen with Full-HD Quality
The full HD (1920 x 1080-pixel) resolution of this large 70-inch monitor ensures that detailed text and images are reproduced vividly and accurately. Charts, paintings, historical photos, and more—they’re all brought to life on the big screen in a way that simply can’t be achieved with normal textbooks and printed materials. Even in bright rooms, text and images are displayed beautifully, so that everyone can stay focused on the discussion.

### Built-in Speakers
The PN-70SC3 features built-in speakers that let you hear any audio information that accompanies videos or other content. No external speakers required.

### Handwriting Recognition
The PN-70SC3 features a handwriting recognition* function that converts selected onscreen handwriting into standard text. It can also recognise handwritten shapes—such as circles, triangles, and straight lines—and automatically convert them into objects. This smart and convenient function makes it easy to utilise onscreen content to make a legible record of your lesson or meeting.

* Works with languages supported by SHARP Pen Software.

### Minimise Glare and Fingerprints
Protecting the glass screen is an anti-glare film that works to reduce glare and reflections and minimise fingerprint soiling. Even in brightly lit rooms, documents and teaching materials are easy to read.

### 16-Hour Daily Operation
The PN-70SC3 can be used continuously for up to 16 hours per day, providing reliable performance in the schoolroom or office.

### MFP Connectivity
Documents and colour images scanned from a compatible Sharp MFP can be imported directly to the SHARP Pen Software for display on the PN-70SC3. For added convenience, image data shown onscreen—including notations—can be saved to a PC or sent directly to an MFP for printout.

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**Option**
- Up to 50 mobile devices*1*3 can be connected simultaneously.
- Files can be transferred between mobile devices even if they are not connected to the PN-70SC3.
- Users can capture onscreen images and save them on their mobile devices to make personally annotated memos.
- SHARP Display Connect also connects two BIG PAD on the same network (intranet, VPN, etc.) to enable larger-scale interactive communications.

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*1 The number of connectable mobile devices depends on the host OS and the accompanying Windows® End-User License Agreement: Windows® 7: Max. 20; Windows® 8/8.1: Max. 50
*2 OS requirements (as of August 2015): Host: Windows® 7, Windows® 8/8.1; Client: Windows® 7, Windows® 8/8.1, OS X® 10.7–10.10, Android™ 2.3–5.0, iOS 6.0–8.0. Please contact your local authorised Sharp dealer or representative for further details.
*3 Connecting 26 or more mobile devices requires at least two LAN access points.
### Specifications

**Model Name**
PN-70SC3

**Installation**
Landscape

**LCD Panel**
- 70-inch-class (69.7-inch [176.6 cm] diagonal) UV/PA LCD

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Resolution</td>
<td>1920 x 1080 pixels</td>
</tr>
<tr>
<td>Max. Display Colours (approx.)</td>
<td>16.77 million colours</td>
</tr>
<tr>
<td>Pixel Pitch (H x V)</td>
<td>0.802 x 0.802 mm</td>
</tr>
<tr>
<td>Max. Brightness (average)**</td>
<td>300 cd/m²</td>
</tr>
<tr>
<td>Contrast Ratio</td>
<td>3,000 : 1</td>
</tr>
<tr>
<td>Viewing Angle (H/V)</td>
<td>160°/160° (CR ≥ 10)</td>
</tr>
<tr>
<td>Active Screen Area (W x H, approx.)</td>
<td>1,536 x 965.6 mm (60 9/16&quot; x 34 1/8&quot;)</td>
</tr>
<tr>
<td>Response Time</td>
<td>6 ms (grey to grey, avg.)</td>
</tr>
<tr>
<td>Backlight</td>
<td>LED, edge lit</td>
</tr>
</tbody>
</table>

**Touchscreen**
- Touch Technology: IR (infrared blocking detection method)
- PC Connection Port: USB 2.0
- Power Supply: Supplied from USB port
- Multi Touch: 6 points
- Protection Glass:
  - Thickness: Approx. 3.4 mm**3**
  - Shock resistance: 130 cm**3**

**Touch Pen**
- Function Button: N/A (passive pen)

**Computer Input**
- Video:
  - Analogue RGB (0.7 Vp-p) [75Ω]
- Synchronisation:
  - Horizontal/vertical separation (TTL: positive/negative)
- Plug & Play: VESA DDC2B

**Video Colour System**
- NTSC (3.58 MHz) / NTSC (4.43 MHz) / PAL / PAL60 / SECAM

**Input Terminals**
- PC analogue: Mini D-sub 15-pin x 1, HDMI® x 3 (HDCP and 1080p compatible, PC / AV signal compatible), 3.5 mm-diameter mini stereo jack x 1, RCA pin (L/R) x 2, video: RCA pin x 2**6**, component video: RCA pin x 1**6**, RS-232C D-sub 9-pin x 1

**Output Terminals**
- Audio: RCA pin (L/R) x 1

**Speaker Output**
- 10 W + 10 W

**Mounting**
- VESA (4 points), 400 mm pitch, M6 screw

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

**Power Consumption**
- 235 W

**Environmental Conditions**
- Operating Temperature: 5°C to 35°C
- Operating Humidity: 20% to 80% RH (no condensation)

**Dimensions (W x D x H, approx.)**
- 1,633 x 109 x 944.5 mm (64 5/16" x 4 5/16" x 39 1/8")

**Weight (approx.)**
- 56 kg (123.5 lbs)

**Main Accessories**
- AC power cord (3-pin), remote control unit, batteries (AA size x 2), SHARP Pen Software CD-ROM, set-up manual, cable clamps x 2, USB cable**7**, eraser, pen tray, touch pen (without function button), blank sticker

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### Dimensions

![Dimensions Diagram](image)

**Units**: mm (inch)

**Screen dimensions**
- 36.6 inches (93 cm) (diagonal)

**VESA holes**
- 7 points

**To use the VESA standard mounting bracket, use M6 screws that are 8 to 10 mm plus the thickness of the bracket.**

### Windows® PC System Requirements

<table>
<thead>
<tr>
<th>Component</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>PC</td>
<td>USB 2.0, 1,920 x 1,080 (CD-ROM drive required for installation)</td>
</tr>
<tr>
<td>CPU</td>
<td>Intel® Celeron® 1.60GHz, or AMD Sempron™ 1.60GHz or higher (Intel® Core™ i Duo, 2.80GHz, or AMD Athlon™ II x 2 2.8 GHz or higher recommended)</td>
</tr>
<tr>
<td>OS</td>
<td>Windows® 7 (32-bit/64-bit), Windows® 8 (32-bit/64-bit), Windows® 8.1 (32-bit/64-bit)</td>
</tr>
<tr>
<td>Memory</td>
<td>2GB or more</td>
</tr>
<tr>
<td>Hard disk</td>
<td>200MB or more free space (additional space required for saving data)</td>
</tr>
</tbody>
</table>

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