Collaboration and interactivity has never been more important in your business meetings, lessons or in operations rooms so the new BIG PAD range from Sharp puts image quality and best in class touch performance at the heart of its design. Featuring 1920 x 1080 resolution and 350cd brightness, our highly responsive touchscreen displays deliver a truly engaging and responsive experience for a wide range of professional applications.

SUPERB IMAGE & TOUCHSCREEN PERFORMANCE COME AS STANDARD. EASY-TO-USE INTERACTIVE FEATURES DELIGHT AND ENGAGE.

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There’s no substitute for direct contact /This is Why our BIG PAD range has industry-leading touchscreen technology.

A more engaging and interactive approach
Thanks to its 10-point multi-touch technology - which is based on our industry-fastest, responsive and natural touch capability - using BIG PAD is a rewarding experience, hands down.

Sharp’s proprietary infra-red (IR) blocking detection technology and algorithms allow for content interaction and collaboration by as many as four users simultaneously, taking collaboration to a whole new level.

This makes for more rewarding and engaging classes in educational settings, and increased efficiency in both professional and business settings.

Users of Sharp’s new BIG PAD range will experience eye catching image brilliance and our most advanced touchscreen experience yet. Extremely accurate touchscreen input and a natural writing sensation means presentations, meetings and lessons will all gain from next level interactivity, collaboration and engagement. This results from Sharp’s progressive approach toward interactive touchscreen technology and a new advanced Direct Optical Bonding manufacturing process that eliminates parallax effect and internal light reflection and refraction.

Collaboration and intuition you can share
BIG PAD with latest version 3.5 of Sharp’s Pen Software also lets you benefit from handwriting recognition, which converts on-screen script into digital text. It will also convert hand-drawn geometric shapes and lines into digital graphics, further enhancing collaboration and productivity.

There’s a menu of intuitive icons for the quick and easy operation of pen settings and other useful functions. Plus, in overlay mode, you can add on-screen annotations or graphics directly onto photos, videos, PDFs and a host of common Microsoft file types. BIG PAD’s software also links seamlessly with Microsoft PowerPoint®, allowing you to add real depth and interest to your slideshow presentations and Microsoft Outlook enabling LDAP (Lightweight Directory Access Protocol) which assists in registering email addresses.

BIG PAD doesn’t just display your work in the best possible light, it lets you take your outputs with you too. Text and graphics written on the board can be stored on a USB memory device as .pdf, .bmp, .jpeg, or .png files. You can even send these files directly via e-mail, ensuring immediate sharing of collaborative work efforts.

The latest generation Version 3.5 has an improved sheet extension function, to allow users to easily navigate around and annotate on extended sheets.

Go direct to print
Sharp Pen Software lets you scan a range of displayed documents - and the annotations on them - and send them directly to a Sharp multi-function printer, improving efficiency and sharing in professional and educational applications.

Working on something complex? No problem! Our unique SHARP Touch Viewing Software takes the headache away from working with numerous files having different file types, through a touch-operated onscreen interface that lets you keep your project’s Office files, videos and web pages in one easy-to-manage location.
Thanks to the integrated 10+10w speakers, installation and setup for meetings, lessons or video-conferences is simple.

**Impressive, collaborative, and flexible at all times**

BIG PAD can make a fantastic contribution to many working environments, including in the classroom, where its role as a learning aid is unmistakable. But there will always be times when a teacher wants to direct students’ attention away from the screen and back to their individual work.

With that in mind, Sharp has included a one-touch blackout button on the front of the bezel. This instantly switches off the display’s backlight without actually shutting the unit down. That means content on display can be switched off and then instantly switched back on again when required.

Similarly, we have added a one-touch freeze frame button to the front of the unit to instantly freeze the displayed content. That means any connected devices are free to work privately, without being mirrored on the display, whilst the display maintains the static display content. This can be ideal in the education or training environment where a teacher or presenter wants to work in privacy without removing vital content from display.

*Source, one-touch blackout & one-touch freeze frame buttons*

**Stay connected and in control**

We believe that when it comes to the devices you rely on, the more control you have, the better. Control lets you maximise your return on investment. It also lets you avoid wasted time, energy, and resources.

That’s why Sharp has built RS-232C connectivity and display control commands that operate across a network connection into the BIG PAD range. This is ideal for anyone operating across a multi-display site, for example, as it allows a command to be sent over the network to simultaneously shut down all displays at the end of working hours - saving both time and money.

We also offer a Cloud Portal Office option that gives you easy access to Sharp’s award-winning cloud-based document management and collaboration system. Perfect for storing things like prepared lesson plans, or for saving group work such as updated project plans.
## Specifications

### Model
- **PN-80SC5**
- **PN-70SC5**

### Installation
- **80-inch-class (80-inch [203.2 cm] diagonal) UV2A** LCD
- **70-inch-class (69 1/2-inch [176.6 cm] diagonal) UV2A** LCD

### LCD Panel
- **Max. Resolution**
  - PN-80SC5: 1920 x 1080 pixels
  - PN-70SC5: 1920 x 1080 pixels
- **Max. Display Colours**
  - (approx.)
  - PN-80SC5: 1.07 billion colours
  - PN-70SC5: 1.07 billion colours
- **Pixel Pitch (H x V)**
  - 0.923 x 0.923 mm
- **Max. Brightness**
  - (average)**
  - PN-80SC5: 350 cd/m²
  - PN-70SC5: 350 cd/m²
- **Contrast Ratio**
  - 5,000 : 1
- **Viewing Angle (UV)**
  - PN-80SC5: 176° / 176° (CR 10:1)
  - PN-70SC5: 176° / 176° (CR 10:1)
- **Response Time**
  - 4 ms (Grey to Grey, avg.)
- **Backlight**
  - LED, direct lit
  - LED, edge lit

### Touchscreen
- **Touch Technology**
  - IR (Infrared blocking detection method)
- **PC Connection Port**
  - USB 2.0
- **Power Supply**
  - Supplied from USB port
- **Multi Touch**
  - 10 points
- **Protection Glass**
  - Thickness: Approx. 3.1 mm**
  - Stock resistence: 130 Ω**

### Computer Input
- **Function Button**
  - N/A (Passive pen)
- **Video**
  - Analogue RGB
- **Synchronisation**
  - Horizontal/Vertical separation (TTL: Positive/negative)
- **Plug & Play**
  - VESA, DDC2B

### Video Colour System
- **Input Terminals**
  - PC analogue: Mini D-sub 15-pin x 1, HDMITM x 3 (HDCP and 1080p compatible, PC / AV signal compatible), component video: RCA pin (L/R) x 1, video: RCA pin x 1, 3.5 mm-diameter mini stereo jack x 1, 3.5 mm-diameter mini stereo jack x 1
- **Output Terminals**
  - 3.5 mm-diameter mini stereo jack x 1
- **Speaker Output**
  - 10 W + 10 W
- **Mounting**
  - VESA (4 points), 600 x 400 mm, M6 screw
- **SD card slot**
  - SD memory card (SD memory card/SDHC memory card)
- **LAN terminal**
  - 10 BASE-T/100 BASE-TX
- **Power Consumption**
  - 270 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.)
  - PN-80SC5: 919 x 868 x 96 mm
  - PN-70SC5: 749 x 706 x 96 mm
- **Weight (approx.)**
  - PN-80SC5: 97 kg (214 lbs)
  - PN-70SC5: 62 kg (136.7 lbs)

### Main Accessories
- Power cord, remote control unit, battery (AA/A size) x 2, set-up manual, cable clamp x 2, cable clamp (for power cord), USB cable*10, eraser, pen tray, pen tray mounting screw x 5, touch pen, camera mount, camera mount screw x 2, camera screw, CD-ROM, SHARP Display Connect license, stand hole protection cover x 2, blank sticker

**Notes**
- **UV2A** stands for Ultraviolet-induced Multi-domain Vertical Alignment, a photo-alignment technology that ensures uniform alignment of liquid crystal molecules.
- **Max. Brightness** refers to the maximum brightness that the display can achieve.
- **Contrast Ratio** is a measure of the difference between the darkest and brightest images that can be produced on the display.
- **Response Time** is the time it takes for the display to respond to a change in input.
- **Backlight** is the light source used to illuminate the display.

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**Inspirion ideas from technology**

[www.sharp.co.uk](http://www.sharp.co.uk)