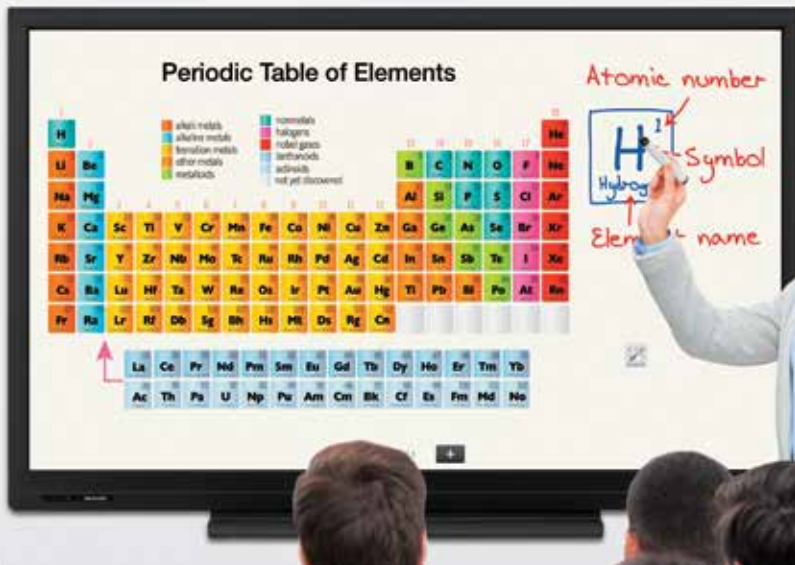# SHARP

Engaging with your audience can sometimes be a challenge /This is Why BIG PAD can help you interact with your clients, inspire and educate students and colleagues now and in the future.

BIG PAD

BIG PAD FOR BIG IDEAS

Whether you're in a classroom or a meeting room, it can sometimes be a challenge to keep everyone focused and engaged. That's where Sharp's PN-70SC3 comes in. This large full-HD 70" touchscreen monitor lets you display and manipulate a variety of information with ease and precision. Smart and convenient pen software opens up new possibilities for brainstorming and sharing information in real time. Flexible and cost-effective, the PN-70SC3 provides a platform to boost collaboration and enhance the impact of your lessons, meetings, or presentations.

LIVELY INTERACTIONS
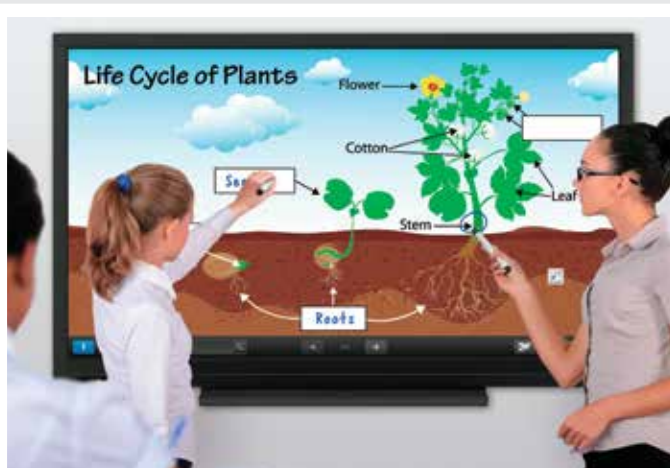
Simultaneous Writing

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.

BIG PAD - PN-70SC3

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" Screen with Full-HD Quality

The PN-70SC3 LCD panel incorporates Sharp's proprietary UV^{2}A*[2] LCD technology which offers high contrast, vivid colours and prevents light leakage and ensures highly efficient use of light from the backlight. Thanks to this technology, the monitors achieve truly bright whites and extremely deep blacks. The full-HD resolution of this large monitor ensures detailed text and images are reproduced vividly and accurately. On screen content are brought to life in a way that simple can not be achieved with normal textbooks and printed materials. Even in bright rooms, text and images are clearly displayed, so that everyone can stay focused on the discussion.

Built-in Speakers

The PN-70SC3 features powerful built-in speakers that will convey your audio message clearly in bigger classrooms and meeting room environments where sound clarity is important. With BIG PAD there is no requirement to add additional external speakers - audio will be projected with ease - making this BIG PAD larger then life in the sound department.

## SIMPLICITY AND RELIABILITY

User-Friendly Pen Software Interface

Using a touch pen, you can easily launch and display the 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.

Handwriting Recognition

The PN-70SC3 features a handwriting recognition*[1] 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.
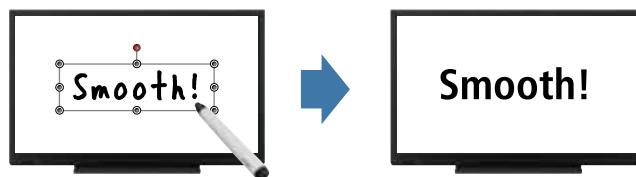
*[1]: Works with languages supported by Pen Software.
*[2]: UV^{2}A stands for Ultraviolet-induced Multi-domain Vertical Alignment, a photo-alignment technology that ensures uniform alignment of liquid crystal molecules.

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.

Without anti-glare film

With anti-glare film
Note: Photos are for illustrative purposes only.

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.


SMART COLLABORATION

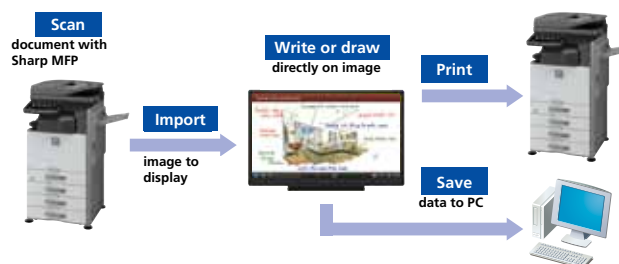### Work Smarter with Touch Display Link (Option)

Optional Touch Display Link*[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. Touch Display Link facilitates interactive presentations, lively discussions, and paperless meetings in both business and educational settings.

- Touch Display Link 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

- 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.

- Touch Display Link also connects two BIG PAD on the same network (intranet, VPN, etc.) to enable larger-scale interactive communications.

PC   Tablet   Smartphone
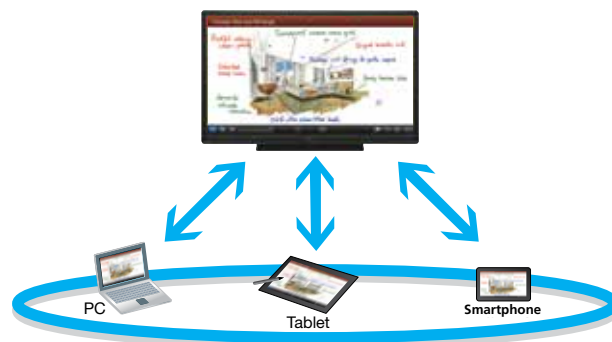
MFP Connectivity

Documents and colour images scanned from a compatible Sharp MFP can be imported directly to the 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.

Scan document with Sharp MFP

Import image to display

Write or draw directly on image

Print

Save data to PC

Specifications

| Model	PN-70SC3		
Installation	Landscape		
LCD Panel		70-inch-class (69 $^1/_2$-inch [176.6 cm] diagonal) UV^{2}A*^{1} LCD	
	Max. Resolution	1,920 x 1,080 pixels	
	Max. Display Colours (approx.)	16.77 million colours	
	Pixel Pitch (H x V)	0.802 x 0.802 mm	
	Max. Brightness (average)*^{2}	300 cd/m^2	
	Contrast Ratio	3,000 : 1	
	Viewing Angle (H/V)	160°/160° (CR ≥ 10)	
	Active Screen Area (W x H) (approx.)	1,538.9 x 865.6 mm (60 $^9/_{16}$" x 34 $^1/_{16}$")	
	Response Time	6 ms (grey to grey, avg.)	
	Backlight	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	6 points	
	Protection Glass	Thickness: Approx. 3.4 mm*^{3} Shock resistance: 130 cm*^{4}	
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*^{5}		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*^{5}		Audio: RCA pin (L/R) x 1	
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℃ to 35℃	
	Operating Humidity	20% to 80% RH (no condensation)	
Dimensions (W x D x H) (approx.)		1,633 x 109 x 994.5 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), Pen Software CD-ROM, set-up manual, cable clamps x 2, USB cable*^{7}, eraser, pen tray, touch pen (without function button), blank sticker	

Dimensions
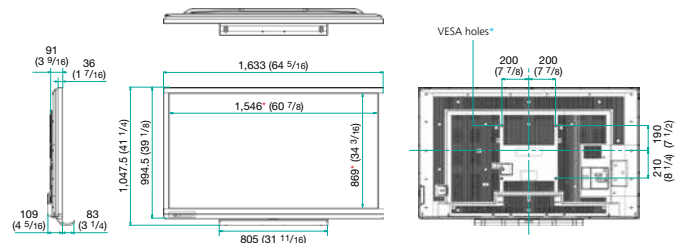
Units: mm (inch)`
* Screen dimensions
* To use the VESA-standard mounting bracket, use M6 screws that are 8 to 10 mm plus the thickness of the bracket.

Input/Output Terminals
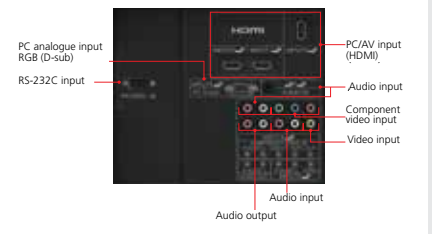
Windows® PC System Requirements

PC	PC/AT compatible machine with USB 2.0 port and screen resolution of 1,920 x 1,080 (CD-ROM drive required for installation)
CPU	Intel® Celeron® 1.6GHz, or AMD Sempron™ 1.6GHz or higher (Intel® Core™ 2 Duo 2.8GHz, or AMD Athlon™ II x 2 2.8 GHz or higher recommended)
OS	Windows® 7 (32-bit/64-bit), Windows® 8 (32-bit/64-bit), Windows® 8.1 (32-bit/64-bit)
Memory	2GB or more
Hard disk	200MB or more free space (additional space required for saving data)

Notes

*^{1} UV^{2}A stands for Ultraviolet-induced Multi-domain Vertical Alignment, a photo-alignment technology that ensures uniform alignment of liquid crystal molecules. *^{2} Brightness depends on input mode and other picture settings. Brightness level will decrease slightly over the lifetime of the product. Due to the physical limitations of the equipment, it is not possible to maintain a precisely constant level of brightness. *^{3} Including anti-glare film on the front and AR film on the back. *^{4} Approximate distance at which the glass panel can withstand the impact of a 500-gram iron ball dropped on its centre. *^{5} Use a commercially available connection cable for PC and other video connections. *^{6} Video and component video are switchable; use the menu to select. *^{7} The USB cable used for PC connection is attached directly to the main body of the PN-70SC3. Please use only this USB extension cable and no other. If connected via a USB hub, a PC may not recognise the PN-70SC3 correctly and operation may be unstable.

This is Why

www.sharp.eu