



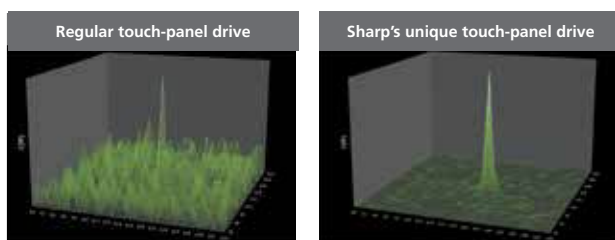
**BIG PAD FOR  
BIG BUSINESS**

**BIG PAD**

**Business success depends on collaboration /This is Why we reinvented teamwork through seamless interactivity.**

Forget everything you know about interactive whiteboards! And say hello to the Sharp PN-80TC3: our professional-class BIG PAD with 10-point Projected Capacitive Touch Technology. It's the interactive display solution that's reinventing teamwork.

## Projected Capacitive Touch Technology



Large amount of noise

Reduced noise

Sensing frequency comparison



Projected Capacitive touch technology allows ultra-precise multiple touch inputs to be detected through X,Y conductive grids etched onto layers of the display.

Employing Sharp's original capacitive touch technology—which achieves high sensitivity and precision by reducing the noise level to one-eighth that of conventional models—the PN-80TC3 uses a unique 220Hz sampling algorithm to eliminate unwanted noise and deliver a clear, precise and reliable onscreen touch signal.

## Great teams thrive on creative energy /This is Why BIG PAD makes meetings come alive.

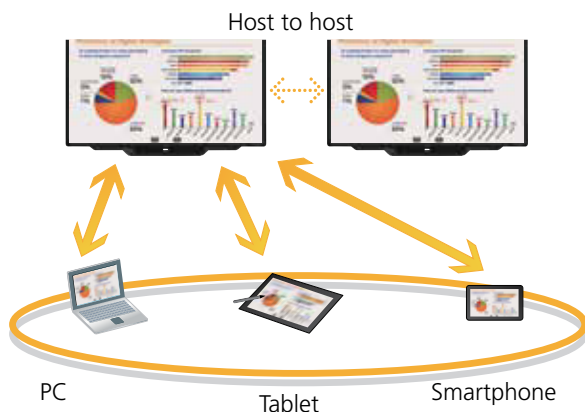
### Unleashed Creativity

The PN-80TC3 energizes meetings by helping people share their ideas quickly and clearly - not just by writing on the board with **Sharp's Pen Software** but by using BIG PAD's innovative **Touch Display Link** software to interact through tablets and other mobile devices.

The Bring Your Own Device (BYOD) functionality unleashes team creativity by letting people join in using their favourite technology. Up to 50\*<sup>1</sup> people can share on-screen content; contribute ideas and information; control the display; transfer files, and save images from the BIG PAD, adding their own annotations, all at the same time.

Plus, team members can transfer files between their mobile devices. **Touch Display Link** can also connect two BIG PADs host-to-host across the network for effortless collaboration between teams in different offices.

### Touch Display Link for BYOD



### Acclaimed and Intuitive Pen Software

Using a supplied 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.

In addition to handwriting and shape recognition, in overlay mode you can write onscreen annotations directly onto photos, videos, PDFs and Microsoft Office documents, such as Excel and PowerPoint.



Working on something complex? No problem! Our unique **Sharp Touch Viewer** 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.

And thanks to the PN-80TC3's **open architecture**, you can work with other applications and 3<sup>rd</sup> party hardware just as easily. There's no restriction and no fuss – just fingertip control of every scrap of information that you need to stimulate creativity and winning ideas.

Built for sharing, BIG PAD recognises as many as ten simultaneous touches on its 80" display, and up to four people can write or draw on the screen at the same time with fingers or, for total precision, our fine 3.5mm tipped touch pen.

\*<sup>1</sup> 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: Connecting 26 or more mobile devices requires at least two LAN access points.

## Intuitive tools support closer collaboration /This is Why teams are more productive with BIG PAD.

### Productivity in Action

The BIG PAD's **Pen Software** leverages the precision of our **Projected Capacitive** touch technology to create an easy and intuitive whiteboard experience. Writing on Excel, Word and PowerPoint files is both fluid and natural, and our powerful handwriting recognition feature converts freehand notes into standardised text for easy reading. And that's just the start.

**Pen Software** makes presentations far more dynamic, with a handy toolbar for rapid navigation and controlling the size and colour of the ink, as well as the pressure sensitivity. What's more, it has a powerful **Multi-board** capability which can link up to three BIG PAD's to display sequential pages – the ultimate tool for communicating complex information, for example roadmaps, excel sheets and financial ledgers.



USB Port

For maximum productivity, the PN-80TC3 comes with an easily accessible front-mounted USB port, an anti-glare, anti-reflective screen for comfortable viewing, and the ability to connect to a Sharp MFP for printing and scanning.

All this, combined with 24/7 durability, makes the BIG PAD ideal even for the most demanding of mission-critical control centres and crisis management operations.

### Effective Decision-Making

Everything about the PN-80TC3 is designed to help you manage, communicate and evaluate information for effective fact-based decision-making.

Our best-in-class **Projected Capacitive** touch technology delivers exceptional accuracy when writing on the screen, for example, with virtually none of the 'noise' and accidental touches associated with cheaper brands. Plus, we use our proprietary **UV<sup>2</sup>A** LCD technology which delivers deeper blacks and brighter whites for exceptional clarity and visual comfort.

### Web Camera attachment points



Other features which remove distractions to promote truly effective decision making include a thin light design with a fully flat screen, edge to edge glass with seamless bezel, built-in speakers for clear and rich audio and an optional web cam\*2 can be mounted in seven positions for easy web-conferencing.

### Multi-Board Function for an extended work space

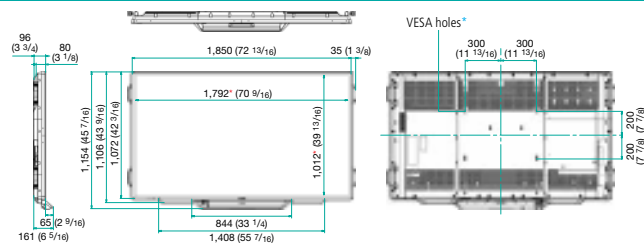


\*2 The camera mount cannot be attached in the bottom-centre position without removing the tray mount fitting.

# Specifications

Model		PN-80TC3
Installation		Landscape / Portrait
LCD Panel		80-inch widescreen (203.2 cm diagonal) UV²A*1 LCD
	Max. Resolution	1,920 x 1,080 pixels
	Max. Display Colours (approx.)	1.06 billion colours
	Pixel Pitch (H x V)	0.923 x 0.923 mm
	Max. Brightness (average)*²	300 cd/m²
	Contrast Ratio	4,000 : 1
	Viewing Angle (H/V)	176°/176° (CR≥10)
	Active Screen Area (W x H) (approx.)	1,771.2 x 996.3 mm (69 ¾" x 39 ¼")
Response Time	4 ms (grey to grey, avg.)	
Backlight		LED, edge lit
Touchscreen	Touch Technology	Projected Capacitive (P-CAP)
	PC Connection Port	USB 2.0 (type B) x 2
	Power Supply	Supplied from main unit
	Multi Touch	10 points
	Protection Glass	Thickness: Approx. 3.8 mm*³ Shock resistance: 130 cm*⁴
Touch Pen	Function Button	Yes
Computer Input	Video	Analogue RGB (0.7 Vp-p) [75Ω], DisplayPort 1.1a
	Synchronisation	Horizontal/vertical separation (TTL: positive/negative), Sync on green (D-sub 15-pin only), Composite sync (TTL: positive/negative)
	Plug & Play	VESA DDC2B
	Power Management	VESA DPMS
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 2*⁶, HDMI (HDCP and 1080p compatible, PC/AV signal compatible) x 3, 3.5 mm-diameter mini stereo jack x 2, Video x 1*⁶, Component video x 1*⁶, DisplayPort (HDCP compatible, PC signal compatible) x 1, RS-232C x 1*⁷*⁸
Output Terminals*⁵		3.5 mm-diameter mini stereo jack x 1, DisplayPort (HDCP compatible) x 1
Speaker Output	Built-in	10 W + 10 W
	External	10 W + 10 W (6Ω)
Mounting		VESA (4 points), 600 x 400 mm pitch, M6 screw
Power Supply		100V – 240V AC, 50/60 Hz
Power Consumption		280 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.)		1,850 x 96 x 1,072 mm (72 13/16" x 3 3/4" x 42 3/16")
Weight (approx.)		77 kg (169.8 lbs)
Main Accessories		AC power cord, remote control unit, battery (AA size) x 2, set-up manual, blank sticker, cable clamps x 7, camera mount, USB cable (3.0 m), USB extension cable (1.8 m), eraser, pen tray, touch pen (with function button) x 2, pen adaptor, touch pen battery (AAA size) x 2, Touch Display Link 2.0 software CD-ROM, RS-232C conversion cable (3.5 mm-diameter mini stereo jack) x 1

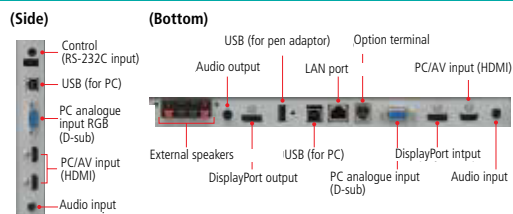
## Dimensions



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



## Additional

■ PN-ZL03 : Touch Pen



## 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\*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 AG 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 center. \*5 Use a commercially available connection cable for PC and other video connections. \*6 Analogue PC, video, and component video are switchable (on bottom interface); use the menu to select. Video and component video connections require conversion cable via mini D-sub 15-pin jack. \*7 Requires the bundled RS-232C conversion cable. \*8 Only command control.

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# This is Why

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# SHARP

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