

PN-50TC1
PN-40TC1

BIG PAD Interactive Displays for Collaboration
in Huddle meeting spaces

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SHARP
Be Original.

A fast and accurate tool for teams that collaborate.

Speedy setup and efficient operation are always on offer with the BIG PAD PN-50TC1/PN-40TC1. This is especially important to users working together in close proximity such as small huddle spaces and helps to foster more effective meetings.

Getting the most of your meetings is easy with full HD video resolution and the extremely accurate, sensitive, and responsive touchscreen technology offered by BIG PAD called Projected Capacitive Touch (P-CAP), it is the best available touchscreen technology and offers an incredibly smooth and precise 10-point multi-touch experience. You can write, draw and annotate directly onto the screen using either your finger or the 2mm tip touch pen included, which allows users to draw fine lines and text accurately.





Modular Mini OPS & connectivity options.

In a world full of devices, you want the flexibility to connect to them all.

Easily expanded, modular functionality

With a Mini Open Pluggable Specification (Mini OPS) port for optional, slot in expansion boards, the BIG PAD PN-50TC1/ PN-40TC1 offers three ways to enhance your huddle meetings even further.

PN-ZB03PC Mini OPS PC

A powerful single-board PC option with 2x USB3.0 interfaces and a high-quality solid state design for continuous quiet and reliable use. It runs MS Windows 10 OS and common PC applications needed for meetings with a compact and uncluttered installation.



PN-ZB03W Mini OPS Wireless

This option enables all huddle meeting participants to have cable free, wireless connection of mobile BYOD (Bring Your Own Device) technology such as smartphones, tablets and PCs for greater productivity and a compact uncluttered installation. Fast wireless screen sharing of up to four devices with a 2x2 screen split is possible. The PN-ZB03W also offers instant-on Direct Drawing for true white-boarding collaboration on the PN-50TC1/ PN-40TC1.

PN-ZB03H Mini OPS HDBaseT Receiver

This option enables transmission of HDMI video (up to 4K ultra-high definition) and other signals over 100m distance via Cat6 LAN cable directly to the display without power supplies or other external devices for a compact and uncluttered installation. This particular solution is great for touchscreen retail signage applications, where the source content PC is placed some distance away.



Functionality meets flexibility.

The PN-50TC1/ PN-40TC1's 1920 x 1080 full HD display resolution brings images and presentations to life in high-quality detail; delicate lines, fine text, and images are displayed in absolute clarity.

Our fingerprint resistant anti-glare glass keeps both the content and the display looking good. It also maximises impact and visibility for all participants.

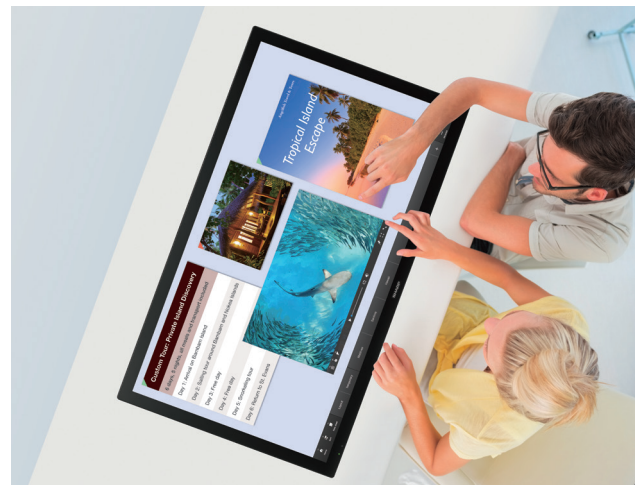
Flexibility is another of our most important considerations. This is why the PN-50TC1/ PN-40TC1 supports both conventional portrait and landscape oriented installations. It is also possible to mount the screen flat, face-up, creating even more huddle meeting room versatility and opening up the possibility of using the BIG PAD as part of an interactive table.

Versatility and dependability

With its natural home in busy offices and meeting rooms, the PN-50TC1/ PN-40TC1 has been built to be reliable for continuous sustained 16-hour use daily.

There is an integrated webcam mount for added versatility and a freestanding desktop stand (with the PN-40TC1 only) for even greater installation flexibility.

It is also a great solution for the retail and hospitality sectors, where it can be used not only for meetings, but as a resource for customer service personnel, guides, or by other front-of-house staff.





Functionality meets flexibility.

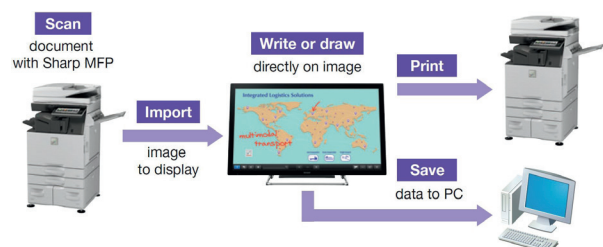
Sharing content from your meetings

The Sharp Pen software intuitive user interface means huddle meeting participants have easy access to a range of additional features. In overlay mode, users can write on-screen annotations or graphics directly onto photos, videos, PDFs, and common Microsoft® document types. These additions can be stored in USB memory or sent via email. The software also links with Microsoft PowerPoint®, facilitating more interactive slideshow presentations.

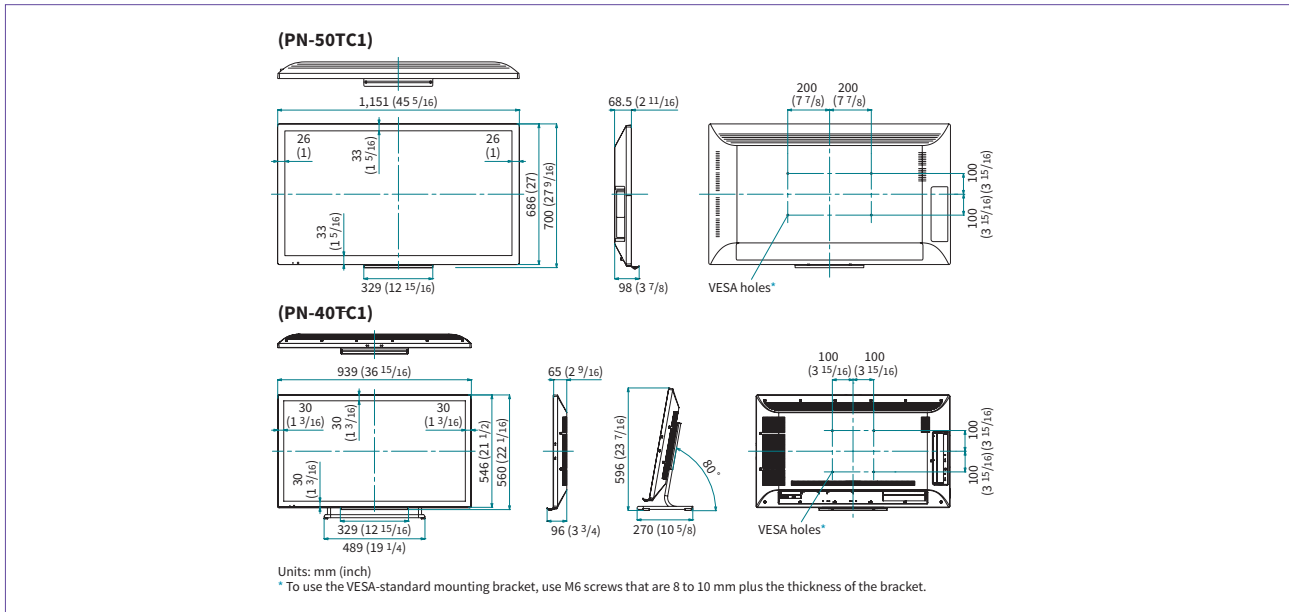
With SHARP DISPLAY Connect, on-screen content, including handwritten notes, can be shared simultaneously with up to 50 devices bringing the content of your sessions to larger numbers of people.

You may also want to share the finished outputs of your huddles. There are three ways to do that too:

- Scanned documents can be directly imported to Sharp Pen software from a compatible Sharp MFP (Multi-Function Printer) and displayed on the PN-50TC1/ PN-40TC1 display;
- Content can be sent and saved to a connected PC
- Content can be printed on a connected MFP.

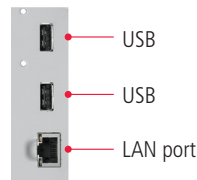


Dimensions

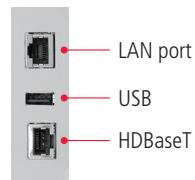


Mini OPS options

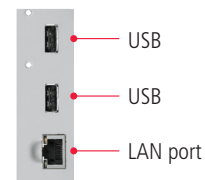
PN-ZB03W



PN-ZB03H



PN-ZB03PC



PN-ZB03W Wireless Board Option

Maximum resolution	1,920 x 1,080 (30 Hz)
Wireless communication	2.4 GHz, IEEE802.11b/g/n, 5 GHz, IEEE802.11a/n
Input/output terminals	LAN x 1 (10Base-T/100Base-TX), USB x 1 (USB 2.0), Wireless adapter x 1 (USB 2.0)
Power supply	From the monitor

PN-ZB03PC PC Board Option

OS	Windows 10 IoT Enterprise 2015 LTSB (64 bit)
CPU	Intel Celeron N3160 Processor 1.6GHz
Main memory	4 GB
Storage	SSD 64GB

PN-ZB03H HDBaseT Receiver Board Option

Supported standard	HDBaseT 2.0
Maximum resolution	4,096 x 2,160 (30 Hz)
Copy protection	HDCP pass-through
Transmission distance	Up to 328 feet / 100 m
Input/output terminals	HDBaseT x 1, LAN x 1 (10Base-T/100Base-TX), USB x 1 (USB 2.0)
Power supply	From the monitor

Specifications

General

Installation	Landscape / Portrait / Face-up
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LCD Panel

PN-50TC1	50-inch-class widescreen (49 1/2-inch [125.7 cm] diagonal) TFT LCD
PN-40TC1	40-inch-class widescreen (39 1/2-inch [100.3 cm] diagonal) TFT LCD

Max. Resolution	1,920 x 1,080 pixels
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Max. Display Colours (approx.)	16.77 million colours
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Pixel Pitch (H x V)	
PN-50TC1	0.571 x 0.571 mm
PN-40TC1	0.457 x 0.449 mm

Max. Brightness (average)¹	
PN-50TC1	400 cd/m ²
PN-40TC1	300 cd/m ²

Contrast Ratio	5,000 : 1
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Viewing Angle (H/V)	178°/178° (CR >10)
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Active Screen Area (W x H)	
PN-50TC1	1,095.8 x 616.4 mm (43 1/8" x 24 1/4")
PN-40TC1	878.1 x 485.3 mm (34 9/16" x 19 1/8")

Response Time	9.5 ms (grey to grey, avg.)
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Backlight	LED, edge lit
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Touchscreen

Touch Technology	Capacitive touch
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PC Connection Port	USB (2.0 compliant) (Type B) x 1
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Power Supply	Supplied from main unit
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Multi Touch	10 points
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Protection Glass	
PN-50TC1	Thickness: approx. 3.2 mm ² Shock resistance: 130 cm ^{*3}
PN-40TC1	Thickness: approx. 2.5 mm ² Shock resistance: 130 cm ^{*3}

Computer Input

Video	Analogue RGB (0.7 Vp-p) [75Ω], HDMI, DisplayPort
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Synchronisation	Horizontal/vertical separation (TTL: positive/negative)
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Plug & Play	VESA DDC2B
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Power Management	VESA DPMS
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Input Terminals⁴	PC analogue: Mini D-sub 15-pin x 3, HDMI x 2 (HDCP and 1080p compatible, PC/AV signal compatible), DisplayPort (HDCP compatible, PC signal compatible) x 1, 3.5 mm-diameter mini stereo jack x 1, RS-232C x 1
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Output Terminals⁴	3.5 mm-diameter mini stereo jack x 1
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Input/Output Terminals⁴	LAN port (10Base-T/100Base-TX) x 1
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USB Hub Function	USB 2.0 (Type A) x 2
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Expansion Slot	12 V, 2.5 A (power supplied when expanding the functions with an optional board)
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Speaker Output	10 W + 10 W
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Mounting	
PN-50TC1	VESA (4 points), 400 x 200 mm, M6 screw
PN-40TC1	VESA (4 points), 200 x 200 mm, M6 screw

Power Supply	100 V – 240 V AC, 50/60 Hz ⁴⁵
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Power Consumption	
PN-50TC1	105 W
PN-40TC1	89 W

Environmental Conditions	
Operating Temperature ⁴⁶	5 °C to 35 °C
Operating Humidity	20% to 80% RH (no condensation)

Dimensions (W x D x H) (approx.) (display only)	
PN-50TC1	1,151 x 68.5 x 686 mm (45 5/16" x 2 11/16" x 27")
PN-40TC1	939 x 65 x 546 mm (36 15/16" x 2 9/16" x 21 1/2")

Weight (approx.)	
PN-50TC1	28 kg (61.7 lbs)
PN-40TC1	17.5 kg (38.6 lbs)

Main Accessories	Power cord, remote control unit, battery (AAA size) x 2, cable clamp x 3, CD-ROM, SHARP Display Connect license x 1, setup manual, touch pen, pen tray, tray mounting screw x 2, camera mount screw x 2, USB cable ⁴⁷ , camera mount, camera screw, logo sticker, vertical sticker (operation panel), desktop stand (for PN-40TC1)
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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)
OS	Windows® 7 (32-bit/64-bit), Windows® 8.1 (32-bit/64-bit), Windows® 10 (32-bit/64-bit)
CPU	Intel® Celeron® B810E 1.6 GHz or higher Intel® Core™ i7-3517UE 1.7 GHz or higher recommended
Memory	2GB or more
Hard disk	5 GB or more free space (additional space required for saving data)

To use the touch panel, connect the bundled USB cable to the computer. The touch panel operates with the standard driver of each OS.



¹ 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. Figures refer to the brightness of the LCD panel component. The brightness of the product itself may be less than this. ² Including film. ³ Approximate distance at which the glass panel can withstand the impact of a 500-gram iron ball dropped on its centre. ⁴ Use a commercially available connection cable for PC and other video connections. ⁵ The AC power cord is an inlet type. The cable is bundled (3 pins). ⁶ For face-up installation is 5 °C to 30 °C. ⁷ To use the touch panel, connect the bundled USB cable to the computer. If connected via a USB hub, the PC may not recognise the PN-50TC1/40TC1 correctly and operation may be unstable. The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries. DisplayPort is a trademark owned by the Video Electronics Standards Association in the US and other countries. Intel, Intel Core, and Celeron are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries. HDBaseT and the HDBaseT Alliance logo are trademarks of the HDBaseT Alliance. Mac is a trademark of Apple Inc., registered in the US and other countries. Microsoft, Windows, PowerPoint, and Excel are either registered trademarks or trademarks of Microsoft Corporation in the US and/or other countries. MirrorOp is a registered trademark of Barco Limited. Crestron Connected is a trademark of Crestron Electronics, Inc. All other brand names and product names may be trademarks or registered trademarks of their respective owners. All screen images appearing in this brochure are simulated. Design and specifications are subject to change without prior notice. ©Sharp Corporation February 2018. Ref: PN-50TC1/PN-40TC1. Job:18915. All trademarks acknowledged. E&OE.