



PN-HW431T and PN-HW501T

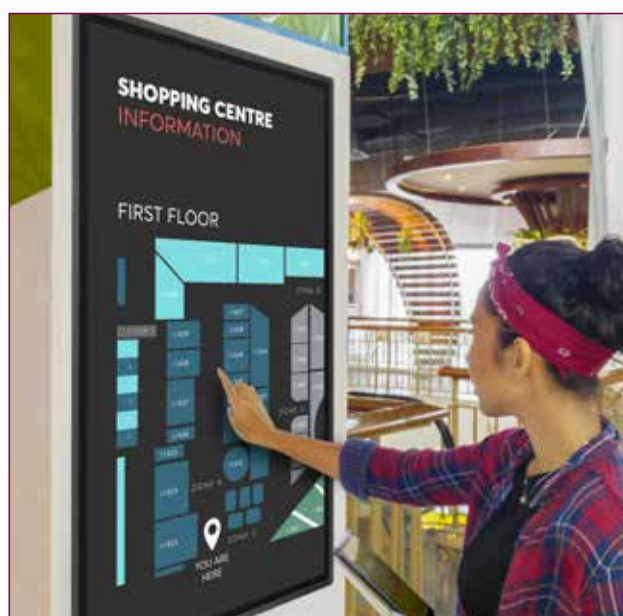
4K BIG PAD digital interactive whiteboards

Small meetings, big performance.

Often some of a business' biggest decisions are made by the smallest of groups. So, having timely access to right information can be critical.

The 4K BIG PAD PN-HWT range of digital interactive whiteboards are an ideal way to facilitate the sharing of information and ideas, enable more effective learning, and encourage group interactivity in training classes, huddle meetings and design or document reviews. They offer professional level 4K UHD image clarity and an intuitive Pen-on-Paper user experience, which makes presenting easy and instils confidence in any trainer or meeting enabler.

The PN-HWT range also includes the tools you need for effortless productivity, including an Integrated Media Player and the Sharp Touch Software Suite. Add to this their compact design and flexible installation, and the BIG PADs PN-HW431T and PN-HW501T are a truly great platform for fast and effective collaboration, especially in environments where space is limited. These include informal meeting areas, boardrooms, training or classrooms and small meeting rooms, as well as information kiosks, retail signage or even single users.



Attention to detail

Normally, the smaller the screen size, the less information can be displayed clearly, but the PN-HWT BIG PADs change all of that. They offer the perfect combination of an exceptionally slim and stylish design and crystal-clear pictures, with a true 3840 x 2160 Ultra High Definition (UHD) 4K resolution display and touchscreen. The high contrast and visual clarity of their LCD technology with leading anti-glare technology is optimised for 4K reading and presentation on a medium sized screen format, so you can see everything with the precise detail, depth and clarity that the content creator intended. It lets you share information and collaborate with ease and precision – and keep everyone in a meeting or training room focused and engaged.



More life-like colours

The PN-HWT BIG PADs produce a great representation of vibrant colours and images. Their 10Bit colour depth allows for enhanced image hue definition, so you can see a greater range of colour combinations and enjoy a more accurate and realistic representation of images on-screen.

In addition, the screens are ideal for video and image display, as the white balance, brightness and colour temperature can be adjusted for different environments.

The PN-HWT range are the perfect solution when you need to ensure attractive and attention-grabbing communications with any audience in any collaboration or interactive venue.

Designed to go anywhere

You want whatever you are showing on screen to look great, but why not have a display that looks good too!

The stylish cabinet design of the PN-HWT BIG PADs gives them an impressively sleek and elegant appearance. They are also lightweight, so they are easy to install wherever you need them. And with a choice of 43" and 50" screen sizes, you can select the most suitable display for your particular needs or available space.

It makes the PN-HW431T and PN-HW501T the perfect way to enhance a wide variety of locations – from the most sophisticated corporate meeting rooms and reception areas to retail locations.

A really natural experience.

In small, highly interactive meetings you need to be able to work quickly and intuitively, without having to struggle with the technology.

The PN-HWT BIG PADs provide a really natural feeling Pen-on-Paper experience. Writing on the screen using the passive Stylus/Pen or your finger is just as easy as writing with a real pen on paper, so you can quickly highlight and annotate key information. It's perfect for fast moving discussions or interactive training sessions.

The PN-HW431T and PN-HW501T use Sharp industry benchmark infrared (IR) touch technology for a fast, accurate and responsive touch experience. The fast touch sampling rate enables smooth annotation and an instantaneous response with no latency or delay. You can also enjoy much more intuitive control with its gesture support for smooth pinching, zooming and rotating. And, to enable much greater interactivity, it provides multi-user support with up to 20-point touch.

In addition, an attractive Passive Pen with a fine 2mm tip enables precise annotation and is also ergonomically designed for maximum ease-of-use and comfort. It is ideal for examining very detailed and technical information or graphics, such as architectural drawings, graphic designs and scientific or engineering data, where you need to review even the smallest details. The pen can be conveniently magnetically attached to the side of the display for easy storage.

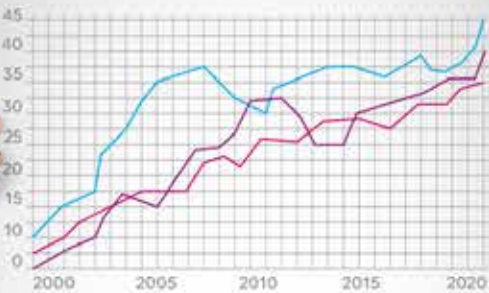
As a result, people will want to use the PN-HWT BIG PADs to present and share information, as they:

- **Build confidence** – meeting participants and students can easily view and interact with information, so they are more engaged and willing to contribute to discussions and can learn more effectively.
- **Increase productivity** – the highly responsive technology allows users to focus on delivery and content with no technical distractions.
- **Improve collaboration** – users can easily work together as a group straightaway with no training, which encourages more user engagement and interactivity.





SALES PERFORMANCE



How much planning is needed?



How much do the clients spend?



Who needs to work on the project?



When is the deadline?



60% Planning



52% Build & Test



42% Production



44% Design

Work your own way.

Every business meeting or training session is different, so you need to be able to adapt to any situation. Flexibility is key.

The PN-HWT BIG PADs are designed to provide maximum flexibility and freedom of use in corporate and training settings. They can be used to display a wide range of content in many different ways. So you can boost collaboration, enhance their visual impact or increase lesson effectiveness, without being hampered by any unnecessary complexity.

Fit in anywhere

The PN-HW431T and PN-HW501T offer a choice of conventional wall mounted landscape or portrait installation, so you can select the most effective mode for your content or applications. The portrait installation allows for an alternative view and way of working interactively and is also ideal for touch signage applications. And the landscape installation allows the smaller groups to work effectively, so is suitable for office environments, meeting rooms and training settings. Tilted installation up to 45° is also possible for kiosk applications in which users have more comfortable access.

* Supports a wide range of media formats from JPEG for photos to MP4 and MOV files for video and WAV and MP3 for music. Resolution support: 4K still image and FHD video. Touch function is not supported by the built-in Media Player.

Automatically faster

The PN-HWTs' Auto ON mode ensures the fast setup of BYOM (bring your own meetings). When connected to a notebook, it instantly detects the HDMI signal and activates the BIG PAD.

Centralised control

The integrated LAN/RS-232C interface lets you adapt the displays to your control systems, so they can be easily controlled and monitored from a PC in a central location, and you can easily switch remotely between the four HDMI inputs.

Simply "plug and go"

A built-in USB media player* provides an easy way to display high-quality slideshows of 4K Ultra HD photos or play Full HD videos and music – without any extra hardware or unsightly cabling. Just slot a USB memory stick into the back of the device, which comes with a handy cover for added security. The auto play function will then allow you to play any stored content. So there's no need to buy and connect a PC to run the media or spend time learning how to use specialist software applications.



A simpler way of working

The PN-HWT BIG PADs come with smart and intuitive Sharp Software to open up new ways for brainstorming, sharing ideas and making decisions. It's also easy to install and use and doesn't require any technical expertise.

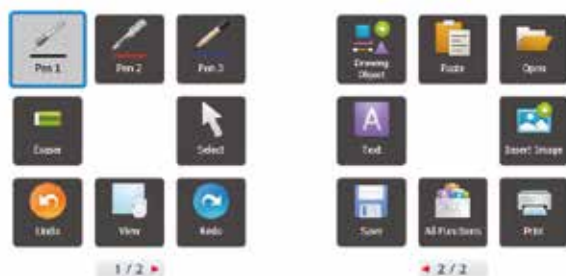
- **SHARP Touch Viewing software**

Offers an easy-to-use interface and file system to collect, manipulate and organise a variety of different files on the screen without actually opening the respective applications.

- **SHARP Pen software**

Provides quick and easy access to pen settings and other useful functions. It allows you to add onscreen annotations or graphics directly onto photos, videos, PDFs, and common Microsoft® files. You can also control presentations, adjust the screen set-up and store or email any files you have been working on. Enhanced functions are available through additional licensing options (PN-SU01).

SHARP Pen software interface



Specifications

Model name		PN-HW501T	PN-HW431T
Installation		Landscape / Portrait / Backward tilt (0 to 20, 45 degrees)	
		50-inch Class [49 1/2-inch (125.730 cm) diagonal] TFT LCD	43-inch class [42 1/2-inch (107.986cm) diagonal] TFT LCD
LCD panel	Backlight	LED, direct lit	
	Max. Resolution	3,840 x 2,160 pixels	
	Max. Display Colours (approx.)	1.07 billion colors	
	Pixel Pitch (HxV)	0.2854 x 0.2854 mm	0.2451 x 0.2451 mm
	Max Brightness*1	350 cd/m ²	
	Contrast ratio	4,000 : 1	
	Viewing Angle (H/V)	178°/178° (CR≥10)	
	Active Screen Area (W×H)	1,095.84 x 616.41 mm (43 1/8" x 24 1/4")	941.184 x 529.416 mm (37 1/16" x 20 13/16")
		Response Time	
		8 ms	
Touchscreen	Touch Technology	IR (infrared blocking detection method)	
	PC Connection Port	USB (2.0 compliant) (Type C form) x 1	
	Power Supply for Touch Panel	Supplied from USB port (2.0 compliant) (5V/500mA)	
	Multi Touch	20 points	
	Protection Glass	Thickness: Approx. 3 mm Shock resistance: 130 cm ^{*5}	
Computer Input	Video	Analog RGB (0.7 Vp-p) [75 Ω], HDMI	
	Synchronization	Horizontal/vertical separation (TTL: positive/negative)	
	Plug & Play	VESA DDC2B	
	Power Management	VESA DPMS	
Input Terminals*2	Video	Mini D-sub 15-pin x 1, HDMI (PC/AV signal compatible) x 3 (HDCP2.2, HDMI CEC)	
	Serial (RS-232C)	D-sub 9 pin x 1	
	USB Port	USB (2.0 compliant) x 1*6	
	Audio	3.5mm mini stereo jack x 1	
Output Terminals*2	Audio	RCA pin (L/R) x 1	
	IR	3.5mm mini stereo jack x 1	
Input/Output Terminals*2	LAN	10Base-T/100Base-TX x 1	
Speakers Output		10W + 10W	
Power Supply		100-240V AC, 50/60 Hz	
Mounting (4 points)		400 mm x 200mm pitch, M6 screw	200 mm x 200mm pitch, M6 screw
Environmental Conditions	Operating Temperature*3	5°C to 35°C	
	Operating Humidity	20% to 80% (no condensation)	
Power Consumption		130 W	115 W
Dimensions (approx.)*4		1,163 x 78 x 686 mm (45 13/16" x 3 1/16" x 27")	1,007 x 70 x 598 mm (39 5/8" x 2 3/4" x 23 9/16")
Weight (approx.) (display only)		22 kg (48.5 lbs)	16 kg (35.3 lbs)
Main Accessories		AC power cord, remote control unit, battery (AAA size x 2), CD-ROM, operation manual, cable clamp x 3, USB cable, logo sticker, USB flash drive cover, USB flash drive cover fixing screw, touch pen	



*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. When installing the monitor in the portrait orientation, and the internal temperature of the monitor rises excessively, the brightness of the backlight automatically decreases in order to prevent a further temperature rise. *3 Use a commercially available connection cable for PC and other video connections. *4 Requires the bundled RS-232C conversion cable. *5. Only for command control. *6. Supported media formats: JPEG for photos; MP4 for videos; and WAV, WMA, M4A, and MP3 for music. *7. Use a 3-pin compatible power outlet. ** Sync-on green and composite sync are not supported.

HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing, LLC in the United States and other countries. MHL, the MHL logo, and Mobile High-Definition Link are trademarks or registered trademarks of MHL, LLC in the United States and other countries. All other brand names and product names may be trademarks or registered trademarks of their respective owners. All trademarks acknowledged. E&OE. Sharp Corporation March 2021. Ref: 20990 PN-HW431T/PN-HW501T.