SHARP

Be Original.

Collaborate Seamlessly with Interactive Digital Whiteboard Solution

4K
3840 × 2160 Pixels

AQUOS BOARD®

Plug-in and Play

Sharp's PNLC2 Series range of interactive touch displays combines genuine 4K Ultra-HD resolution and an intuitive Pen-On-Paper® user experience. The single USB-C connector makes it so simple to walk into a room, plug in your device and start working together straightaway. Also featuring an integrated controller with whiteboard, overlay and wireless functionality to help enhance your productivity.

Built-in Apps

The PNLC2 series are the perfect choice for busy office environments, boardrooms, classrooms and training sessions that require quick, responsive operation and smart, integrated collaboration tools. They encourage effective group teamwork, promotes idea sharing and helps people deliver great presentations and achieve better meeting outcomes.

As well as incorporating a range of useful pre-installed apps, settings and configurations, they enable quick and easy-to-use video conferencing.

See Every Little Detail

To ensure that groups can collaborate more effectively in corporate environments, everything needs to be displayed clearly and precisely. The displays help people absorb information more easily, so they stay focused and engaged and can contribute more proactively. The PNLC2 Touch Display range of large format interactive displays is available with a choice of 65" class (64.5" diagonal), 75" class (74.5" diagonal), and 86" class (85.6" diagonal) screen sizes to suit almost any office environment, classroom or meeting room.

They also deliver a true 4K reading experience as they feature a 3840 x 2160 Ultra High Definition (UHD) 4K resolution display and touchscreen. The LCD technology delivers high contrast and visual clarity, ensuring that even the most detailed presentations, documents and diagrams can be easily viewed and read. So it is ideal for exploring very detailed data and technical designs, particularly within businesses operating in the finance, engineering, architecture, healthcare, consulting, energy, retail markets and educational institutions.

All the flexibility you need

The ability to adapt to changing requirements quickly and effectively is essential to ensuring that businesses always operate with maximum productivity and efficiency.

The open architecture design provides exceptional flexibility and freedom of use, so it can meet the demands of even the most challenging corporate environments. You can easily connect to various types of PC sources with its USB-C, HDMI, and VGA connectors. This allows you to display almost any type of content with a 4K resolution, or select any type of 4K video content from a media player using the CEC HDMI output. In addition, it has the latest high-speed, high-bandwidth USB-C port, which can be used for multiple functions and has a rotationally symmetrical design, so there is no connection confusion.

It can also wirelessly share information with any smart Windows, Android, iOS, Chrome or other mobile device without unsightly cables, complex add-on peripherals, or bulky power supplies. Or you can utilize the OPS slot to instantly extend the Touch Interactive Display functionality with third-party add-ons and solutions. Finally, it supports the use of Touch Back, so that whatever is shown, drawn or controlled on the display will be replicated on the connected smart devices.

Its versatile connectivity ensures that you can easily create the optimum conditions to encourage creativity, boost productivity and enable effective decision making, without being hampered by any unnecessary technical complexity.

Added Productivity as Standard

Loaded with a range of with a range of standard software to help get the most out of your meetings or presentations. It is easy to install and use and does not require any technical expertise.

• Pen software for Windows®

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.

• eShare app

Supports multifaceted wireless casting*, so content on the screen, including images, audio and video, can be shared simultaneously with multiple other devices. No cables are required, so there is no stress, hassle or delay in sharing information.

* Compatible with Windows®, Android™, Apple® (iOS®, macOS®, iPadOS®), Chrome™ OS.

• Touch Viewer software for Windows®

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

• Applications to Energize the Classroom

In addition, the PNLC2 series include a built-in whiteboard app with easy-to-use annotation tools. Additionally, screen recorder, timer, web browser, PDF viewer and voting apps make it easy for teachers to actively engage students for more effective lessons.
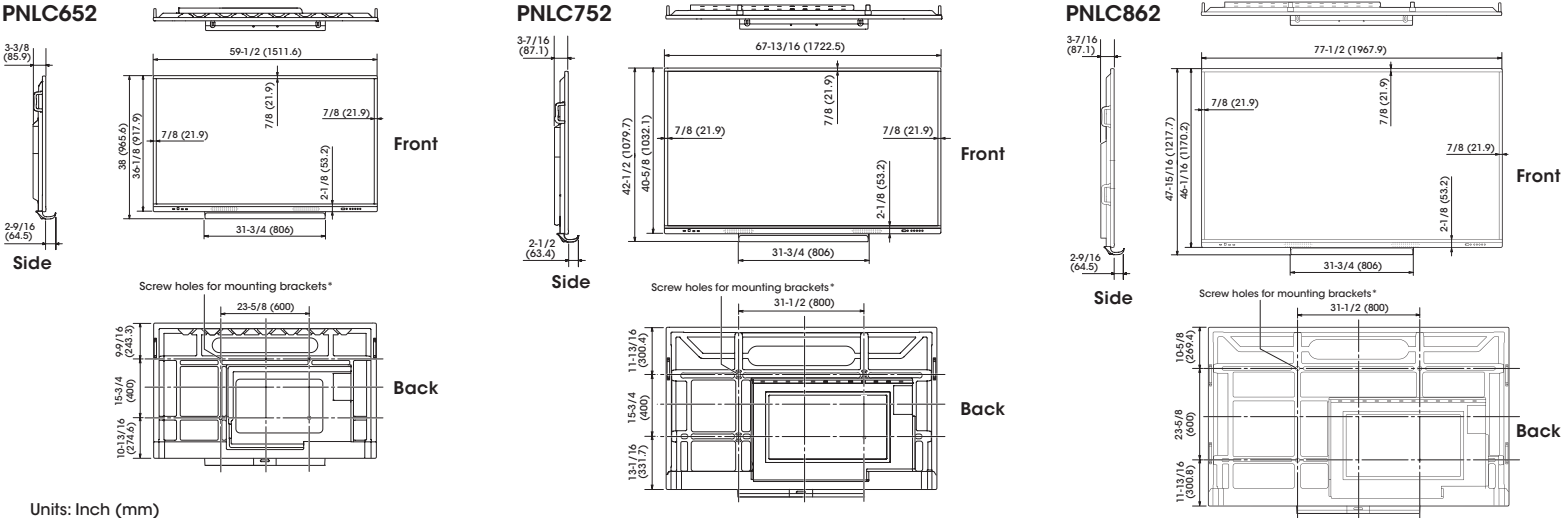
Specifications

Model	PNLC652	PNLC752	PNLC862
Installation		Landscape	
LCD Panel	65" Class (64.5" diagonal) TFT LCD	75" Class (74.5" diagonal) TFT LCD	86" Class (85.6" diagonal) TFT LCD
Max. Resolution		3,840 x 2,160 pixels	
Max. Display colours (approx.)		1.07 billion colours	
Pixel Pitch (H x V)	0.372 mm (H) x 0.372 mm (V)	0.430 mm (H) x 0.430 mm (V)	0.494 mm (H) x 0.494 mm (V)
Max Brightness (standard value)[*1]		400 cd/m²	
Contrast ratio		1,200 : 1	
Viewing Angle (H/V)[*2]		178°/178° (CR≥10)	
Active Screen Area (W x H) (approx.)	56-1/4" x 31-5/8"	64-15/16" x 36-9/16"	74-5/8" x 41-15/16"
Response Time		8 ms (grey to grey, avg.)	
Backlight		LED, direct lit	
Touchscreen Touch Technology		IR (Infrared blocking detection method) with Zero-Bonding technology	
PC Connection Port		USB (3.0 compliant) (Type B) x 2 (Front x 1, Rear x 1)	
Power Supply for touchpanel		Supplied from main unit	
Multi Touch		20 points	
Protection Glass		Thickness: Approx. 3.2 mm Shock resistance: 130 cm[*3]	
Touch Pen		Dual-sided passive pen x2	
Terminals[*4] Input Front		HDMI (HDCP2.3 compatible, CEC compatible) x 1	
Rear		HDMI (HDCP2.3 compatible, CEC compatible) x 2, USB Type-C (DisplayPort 1.2 Alt mode, HDCP 2.3, USB Power Delivery 65W compatible, Touch signal, USB pass through) x 1, Display Port (DisplayPort 1.2, HDCP compatible) x 1, Mini D-sub 15-pin x 1, AV mini jack x 1, 3.5 mm-diameter mini stereo jack x 1	
Output Rear		HDMI x 1, 3.5 mm-diameter mini stereo jack x 1, S/PDIF x 1	
System Front		USB 3.0 Type A x 2, USB 3.0 Type B (for touch) x 1	
Rear		USB 3.0 Type A x 2, USB 3.0 Type B (for touch) x 1, LAN port (10Base-T/100Base-TX/1000BASE-T) x 1, RS-232C IN x 1	
System CPU		Arm® Cortex® - A55 processor (quad core)	
Memory		4GB	
Internal Storage		18GB	
Wireless LAN		IEEE802.11ac/n/a/g/b (Use Wireless USB Adapter)	
Expansion Slot		OPS Slot (19 V, 4.74 A, 90 W)	
Speaker Output		15 W + 15 W w/front facing speakers	
Mounting	4 points, 600 x 400 mm pitch, M8 screw	4 points, 800 x 400 mm pitch, M8 screw	4 points, 800 x 600 mm pitch, M8 screw
Power Supply[*5]		100V – 240 V AC, 50/60 Hz	
Power Consumption (Factory Setting (Shipment) / Max rating)	180 W / 390 W	200 W / 420 W	260 W / 500 W
Environmental Conditions Operating Temperature[*6]		41˚F to 95˚F (5˚C to 35˚C)	
Operating Humidity[*7]		20% to 80% RH (no condensation)	
Dimensions (W x D x H) (approx.)	59.5 x 3-3/8 x 36-1/8 inch	67-13/16 x 3-7/16 x 40-5/8 inch	77-1/2 x 3-7/16 x 46-1/16 inch
Weight (approx.)	84.9 lbs.	112.4 lbs.	143.3 lbs.
Packaging Dimensions (W x D x H) (approx.)	66-5/16 x 8-7/8 x 44-7/16 inch	75-13/16 x 8-7/8 x 49 inch	86 x 8-7/8 x 56-1/4 inch
Packaging Weight (approx.)	133.4 lbs.	166.4 lbs.	207.2 lbs.
Bezel width		21.9 mm (Left, Right, Top), 53.2 mm (Bottom)	
Main Accessories		AC power cord, remote control unit, remote control unit battery (AAA size) x 2, set-up manual, blank sticker, cable clamp x 3, USB cable, pen tray, touch pen x 2, Wireless Adapter	

*1 Without Glass. 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. *2 excluding the touch sensor part around the LCD panel. *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 Temperature conditions may change when using the monitor together with the optional equipment. In such cases, check the temperature conditions specified by the optional equipment. *7 Check the requirements of the computer and other devices to be connected, and make sure that all requirements are satisfied.

Dimensions

PNLC652

PNLC752

PNLC862

Units: Inch (mm)

Optional PNZCMS1 AV Soundbar

PNZCMS1 AV Soundbar Specifications

Camera	Pixels	12MP	Microphone	Voice Pickup Range	8 metres
	Field of view	120°			
	Zoom	Max. 5x		Mic Array	6 Elements
	Resolution	Max. 3,840 x 2,160			
	Adjustable Angle	Up 15°, Down 15° (manual)	Speaker	Output Power	8 watts

HDMI® HIGH-DEFINITION MULTIMEDIA INTERFACE   **4K** 3840 × 2160 Pixels   Pen-on-Paper