MultiSync® PN-ME Series Large Format Displays

PN-ME432, PN-ME502, PN-ME552, PN-ME652, PN-ME752, PN-ME862, PN-ME982

Commercial Displays Ideal for Digital Signage and Presentation Applications

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PN-ME752, PN-ME862, PN-ME982

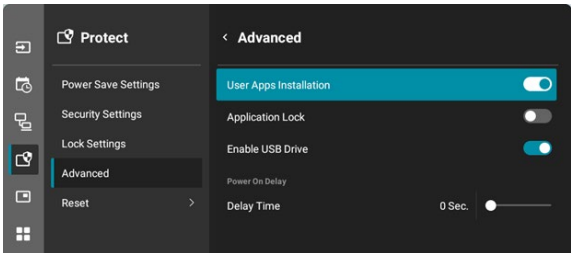
Bring high visual detail when your content matters most for retail, education and corporate installations.

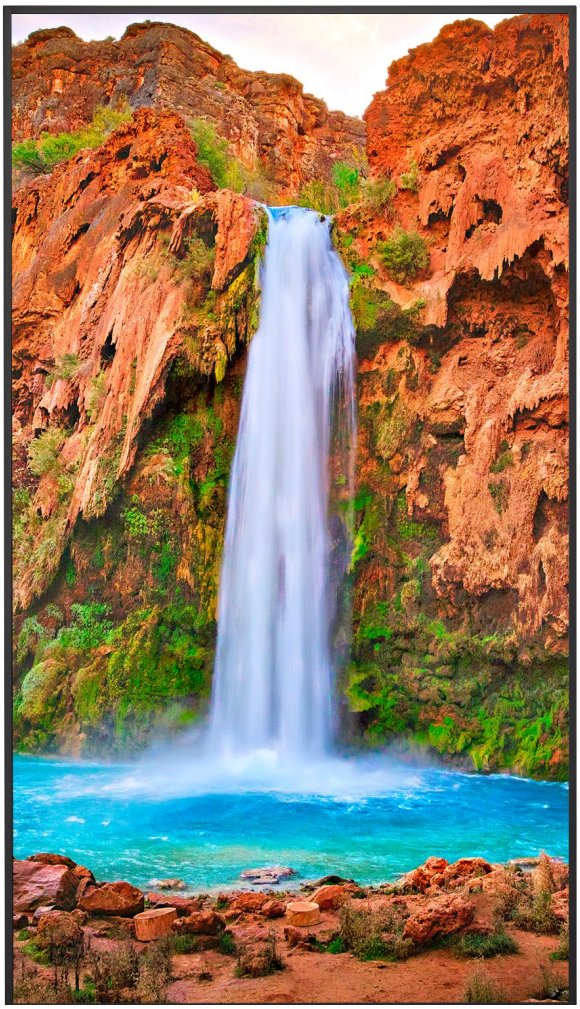
Advanced 4K Displays with Seamless Integration and Enhanced Durability for Digital Signage and Presentation applications

The Sharp MultiSync ME Series offers advanced 4K UHD resolution and full HDR support for vibrant, lifelike visuals, making it ideal for digital signage. Its commercial-grade, full metal chassis and anti-glare, high-haze panels provide durability and reduce light reflections, ensuring long-lasting performance. Equipped with a System-on-Chip (SoC) running Android 13, the displays enable easy content management and app installation. The lightweight design simplifies installation, and with USB-C (with DP Alt Mode/Hub support) and HDMI connectivity options on top of the SoC input, integration is effortless. Additionally, the built-in media player allows users to schedule and manage content with ease.

Powerful System-on-Chip Design to Fit Your Signage Needs

Create pixel-perfect imagery with the new fully commercial Sharp PN-ME Series large format displays. By focusing on bringing high-powered, integrated and easy-to-use media playback to the customer while maintaining the proven reliability and detail of the previous products, the PN-ME series gives customers a reliable mainstream display to fit all of their digital signage needs. The flexible System-on-Chip platform not only allows for high-end media playback via USB or internal storage but since these products are powered by Android 13, they also allow the ability to install separate Android Package Kit's (APK) if a third-party application needs to be installed. On top of this, the updated OSD design includes new and legacy functionality within a brand new aesthetically appealing and stylistic approach.





High-End Visual Detail

By supporting native 3840 x 2160 resolution with full HDR compatibility across the entire PN-ME series lineup, imagery and messaging will be more vivid and lifelike than ever before! On top of that, the new high haze panels scatter incidental light that would otherwise take away from messaging shown on the display. This allows your message to be clear and visible in areas where ambient light would usually take away from what really matters most – your content.

Full Commercial Build

Full metal chassis allows for the ruggedness needed for true commercial environments while integrated carrying handles reduce the likelihood of damage during installation. On top of that, an integrated temperature sensor allows you to monitor internal temperatures in real time. The newly designed mechanical build focused on maintaining reliability while reducing the overall weight of each model compared to predecessor models. These units are up to 33% lighter than previous models. Additionally, these products have an even bezel design along all four sides meaning that the focus will always be on the content on the screen when in either portrait or landscape orientation.

Optional Wireless Module (SI07B)

Upgrade your PN-MExx2 displays by adding wireless connectivity to your product. This slot-in module will be auto-detected by your PN-MExx2 display enabling Wi-Fi 6 functionality along with 802.1x cyber security features.

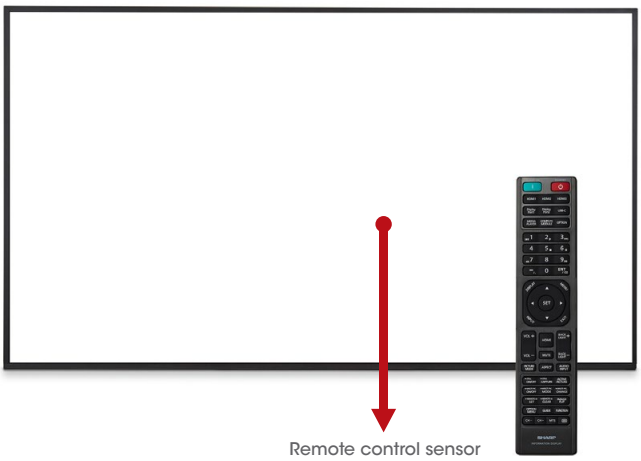
Wi-Fi Standards:	802.11ac/b/g/n/a/ax
Operating Frequency:	2.4Ghz/5Ghz
Operating Range:	10 / 32.8ft

Home Screen Launcher

The MultiSync PN-MExx2 products boot up into a home screen that gives you visual access to app, key settings and input changes right from the start. Integrated web browser functionality can be used for internet access and streaming. File Explorer can be used for navigating through internal or external storage drives. The integrated Media Player gives you access to load files to internal storage or play via USB while content can be scheduled and playlists can be built depending on when your display is running and what content needs to be shown.

Centre IR Receiver

An IR receiver is located behind the panel allowing protective overlays or touch to be integrated over the top without needing to worry about how to extend IR for control.



Control Protocol Support

The new Sharp MultiSync PN-MExx2 contains protocol support for both NEC and Sharp legacy products. This means that if you have to replace either an NEC or Sharp product from a previous install, these units can be seamlessly flipped into an existing infrastructure. On top of this, these units support other various protocols depending on the needs of the application.

NaViSet Administrator 2

NaViSet Administrator 2™ is included in all Sharp MultiSync PN-MExx2 models. This software is an all-in-one remote support solution that runs from a central location and provides monitoring, asset management and control functionality of Sharp and NEC display devices and Windows computers. It is ideal for multi-device installations over arrays as it allows for task management, reporting and on-demand control options. Control your entire Sharp and NEC ecosystem through this free optional asset management software!

NaViSet
Administrator 2

SE

Integrated USB Hub

Each PN-MExx2 product contains an integrated USB hub where the USB-C input not only allows for DP-Alt mode capabilities but also provides an upstream data connection. This can be coupled with a USB-A downstream connection in order to allow for control over whatever peripherals are connected into this terminal. This integrated feature helps with lowering the cost of other supplies that would otherwise be necessary to achieve this type of configuration.

Input Detect Functionality

This feature allows for the customer to prioritize up to 3 inputs so that if a primary source goes down, the display will automatically switch to whatever the customer has prioritized next. The first detect option also allows for the display to automatically turn on to any source that plugs into it, allowing the display to wake on any synced signal.

Typical Display

If the source fails, this results in a blank screen

PN-MExx2 Series

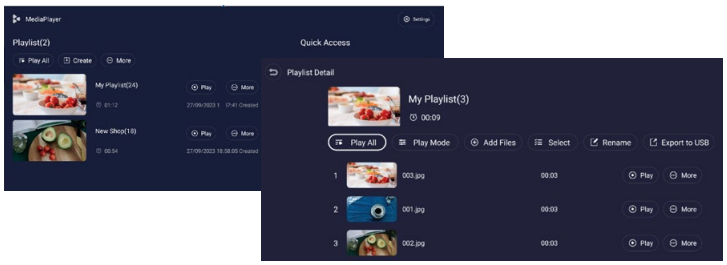
If the source fails, the display automatically switches to the next prioritized source, allowing for zero downtime on the display

First Detect

Setting the display to First Detect would allow for the display to automatically turn on when any source is plugged into it.

Integrated Media Player

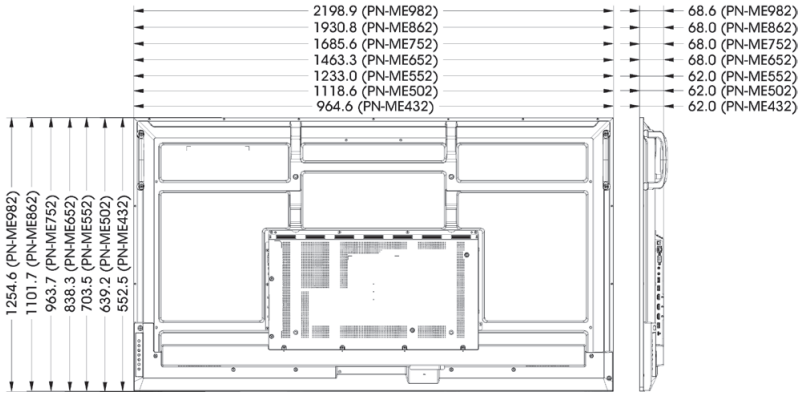
Build playlists, schedule and play content through a high-end integrated Media Player via integrated storage or USB.

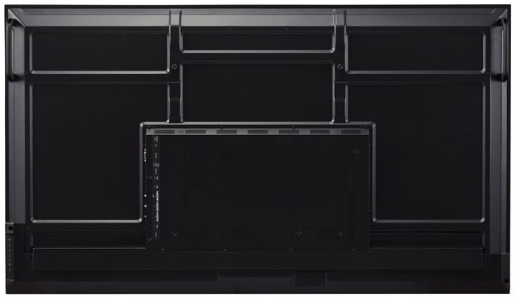


PN-ME Specifications

Model			PN-ME432	PN-ME502	PN-ME552	PN-ME652	PN-ME752	PN-ME862	PN-ME982
LCD Module		Panel Technology	ADS	VA	ADS				
		Viewable Image Size	43" Class (42.5" diagonal)	50" Class (49.5" diagonal)	55" Class (54.6" diagonal)	65" Class (64.5" diagonal)	75" Class (74.5" diagonal)	86" Class (85.6" diagonal)	98" Class (97.5" diagonal)
		Native Resolution	3840 x 2160						
		Brightness (Typical)	400 cd/m²	450 cd/m²					
		Contrast Ratio (Typical)	1200:1	5000:1	1200:1				
		Viewing Angle	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10						
		Aspect Ratio	16:9						
		Colour Gamut	68% NTSC				72% NTSC		
		Displayable Colours	Over 1.07 Billion (8 bit + FRC)						
		Orientation	Landscape and Portrait (CW Rotation)						
		Panel Haze (%)	25 (Anti-Reflective)						
Connectivity	Input Terminals	Digital	HDMI 2.0 x3, USB-C x1 (DP-Alt Mode Supported)						
		Analog	N/A						
		Audio	N/A						
		External Control	LAN (1000Mbit), 3.5mm Mini Jack IR Remote, RS-232C						
		Data	USB 3.0 x1 (5V/0.9A, Downstream), USB 2.0 x1 (5V/0.5A, Downstream), USB 3.0 (Downstream for USB-C), USB-C x1 (Upstream)						
	Output Terminals	Digital	N/A						
		Analog	Digital TMDS, USB-C Alt Mode						
		Audio	3.5mm Mini Jack, Optical Audio Out (SPDIF)						
		External Control	N/A						
Power Consumption		On (Typ/Max Brightness/All Max)	90W/110W/175W	85W/105W/170W	120W/150W/220W	140W/175W/240W	132W/190W/300W	162W/295W/405W	206W/334W/444W
		Network Standby	2W						
		Normal Standby	<0.5W						
		Current Rating	2.2A - 0.9A @ 100V - 240V	2.0 - 0.8A @ 100V - 240V	2.6 - 1.1A @ 100V - 240V	3.1 - 1.3A @ 100V - 240V	3.1 - 1.4A @ 100V - 240V	4.1 - 1.9A @ 100V - 240V	4.5 - 2.1A @ 100V - 240V
		Speaker Rating	Integrated 10W x 10W, Optional through SP-RM3a						
Physical Specifications		Bezel Width (L/R,T/B)	9.9mm/9.9mm/9.9mm/9.9mm			15.9mm/15.9mm/15.9mm/15.9mm			18.0mm/18.0mm/ 18.0mm/18.0mm
		Net Dimensions (Without stand; W x H x D)	38.0 x 21.8 x 2.4 in. 964.6 x 552.5 x 62.0mm	44.0 x 25.2 x 2.4 in. 1118.6 x 639.2 x 62.0mm	48.5 x 27.7 x 2.4 in. 1233.0 x 703.5 x 62.0mm	57.6 x 33.0 x 2.7 in. 1463.3 x 838.3 x 68.0mm	66.4 x 37.9 x 2.7 in. 1685.6 x 963.7 x 68.0mm	76.0 x 43.4 x 2.7 in. 1930.8 x 1101.7 x 68.0mm	86.6 x 49.4 x 2.7 in. 2198.9 x 1254.6 x 68.6mm
		Net Weight	9.4kg / 20.7lbs.	11.7kg / 25.8lbs.	13.2kg / 29.1lbs.	23.9kg / 52.7lbs.	34.3kg / 75.6lbs.	42.0kg / 92.6lbs.	54.5kg / 120.2lbs.
		VESA Hole Configuration	4x M6 x 14mm (200 x 200)	4x M6 x 14mm (400 x 400)		4x M8 x 14mm (600 x 400)	4x M8 x 18mm (800 x 600)		4x M8 x 16mm (800 x 600)
Internal Player		Operating System	Android 13						
		Processor	ARM Cortex-A55 1.5GHz Quad Core CPU						
		Storage	32GB ROM (Total Capacity of Storage including OS)						
		Memory	4GB						
Sensors		Ambient Light Sensor	Integrated						
		Human Sensor	Optional (KT-RC3)						
		Temperature Sensor	Integrated						
		NFC Sensor	N/A						
Environmental Conditions		Operating Temperature	0° - 40° C / 32° - 104° F						
		Operating Humidity	20-80%						
		Operating Altitude	5,000m (16,405ft)						
Limited Warranty			3 years Advanced Replacement						
Additional Features			AMX Support, Automated Email Alert Function, CEC Support through all HDMI Connections, ARC through HDMI1, Display Browser Control, Display Wall Calibrator Compatible, E-Share Trial License Included (FW R1.5.17 and newer), HDR Compatible (PQ, HLG, HDR10), Updated OSD Design, Android Operating System/Media Player, NaViSet Administrator 2 Compatible, Screen Rotation for Portrait (Home only), Powered USB Ports, Real Time Clock, Full Scheduler, Quick Start, TileMatrix (5x5), Cisco Webex Compatible (Running Change), Crestron Connected V2, SNMP (Running Change), Integrated Temperature sensor, Full Input Detect Functionality (First, Last, Custom), Integrated Ambient Light Sensor, Programmable Gamma, Colour Temperature Adjustment (2600K - 10000K), Energy Star 8.0, Vacation Switch						
Ships With			3m AC Power Cord, 2.0m HDMI Cable, IR Remote Control, Batteries, AAA batteries						
Optional Speakers			SP-RM3a						
Optional Stand			ST-43M / PN-ST43L		ST-65M / PN-ST55L		PN-ST75L		
Other Accessories			Wi-Fi 6 Module (SI07b), Human Sensor (KT-RC3)						

Mechanical Dimensions





Left Side Connectivity

Tabletop Stand

ST-43M / PN-ST43L (PN-ME432/PN-ME502)
ST-65M / PN-ST55L (PN-ME552/PN-ME652)
PN-ST75L (PN-ME752, PN-ME862, PN-ME982)

Wall Mount

WMK-3298T (For PN-ME432/ME502/ME552)
WMK-7598T (For PN-ME652/ME752/ME862/ME982)

Input Panels

1. Optical Audio Out (SPDIF)
2. LAN (1000MB)
3. RS-232C
4. Audio Mini-Jack Out
5. IR Remote In (Mini-Jack)
6. USB 2.0
7. USB 3.0
8. HDMI 1 (ARC) In
9. HDMI 2 In
10. HDMI 3 In
11. USB 3.0 (Downstream)
12. USB-C Port (5V/3A, Upstream & DP Alt Mode)
13. Optional slot for Wi-Fi Receiver

Right Side Connectivity

Visit **www.sharp.ca** for details.

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SHARP ELECTRONICS OF CANADA LTD.
5995 Avebury Road, Suite 900
Mississauga, Ontario L5R 3P9
1-800-567-4277 • **www.sharp.ca**

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