

SHARP



PN-M SERIES

LARGE FORMAT DISPLAYS

www.sharp.net.nz

Sizes Available

(inches)

43

55

65

75

86

98



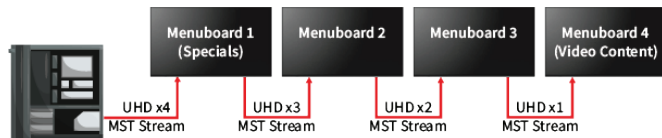
High-impact displays that just work

VIBRANT, RELIABLE PERFORMANCE

The Sharp MultiSync® PN-M Series is your go-to solution for high-impact, ultra-reliable digital signage - designed for demanding environments like healthcare, command centers, finance, retail, and corporate spaces. With factory-calibrated color accuracy, modular performance options, and a rugged all-metal chassis, these displays bring flawless visuals and pro-grade durability right out of the box.

SMARTER MULTI-DISPLAY SYNC

Connect up to 4 independent displays from one source thanks to DisplayPort 1.4 connectivity and HBR3 capabilities with Multi-Stream Transport (MST*). MST capabilities can drive up to 4 independent displays from a single DisplayPort source by multiplexing several video streams into a single stream and sending it to the display that then acts as a branch device to demultiplex the signals into the original streams - ideal for menu boards, video walls, and synchronized signage. Additionally, the display can daisy chain the LAN connection, which allows for the pass-through of RS-232C, TCP/IP and IR communications. This gives the customer the ability to control full arrays of displays remotely or via the IR remote control, streamlining the ease of use to the customer.



*MST capabilities depends on the video card driving the system.

HIGH-END VISUALS, EVERYDAY

Get next-level clarity with native 3840 x 2160 resolution and anti-glare, high-haze glass across the entire PN-M Series lineup. Imagery and messaging can become more vivid and lifelike than ever before! Additionally, these models boast 550 cd/m2 in brightness, ensuring that your message cuts through—even in high-ambient light spaces.

POWER, CONNECT, CONTROL

Each PN-M product features an integrated USB hub, with a USB-C input that supports both DP-Alt mode and upstream data transfer. It includes two downstream USB ports (one USB-A and one USB-C) for connecting and managing peripherals. This built-in hub reduces the need for additional equipment, lowering overall setup costs. Additionally, the USB-C input provides 65W of Power Delivery, enabling devices like laptops to charge directly from the display—ideal for huddle spaces and presentation environments.

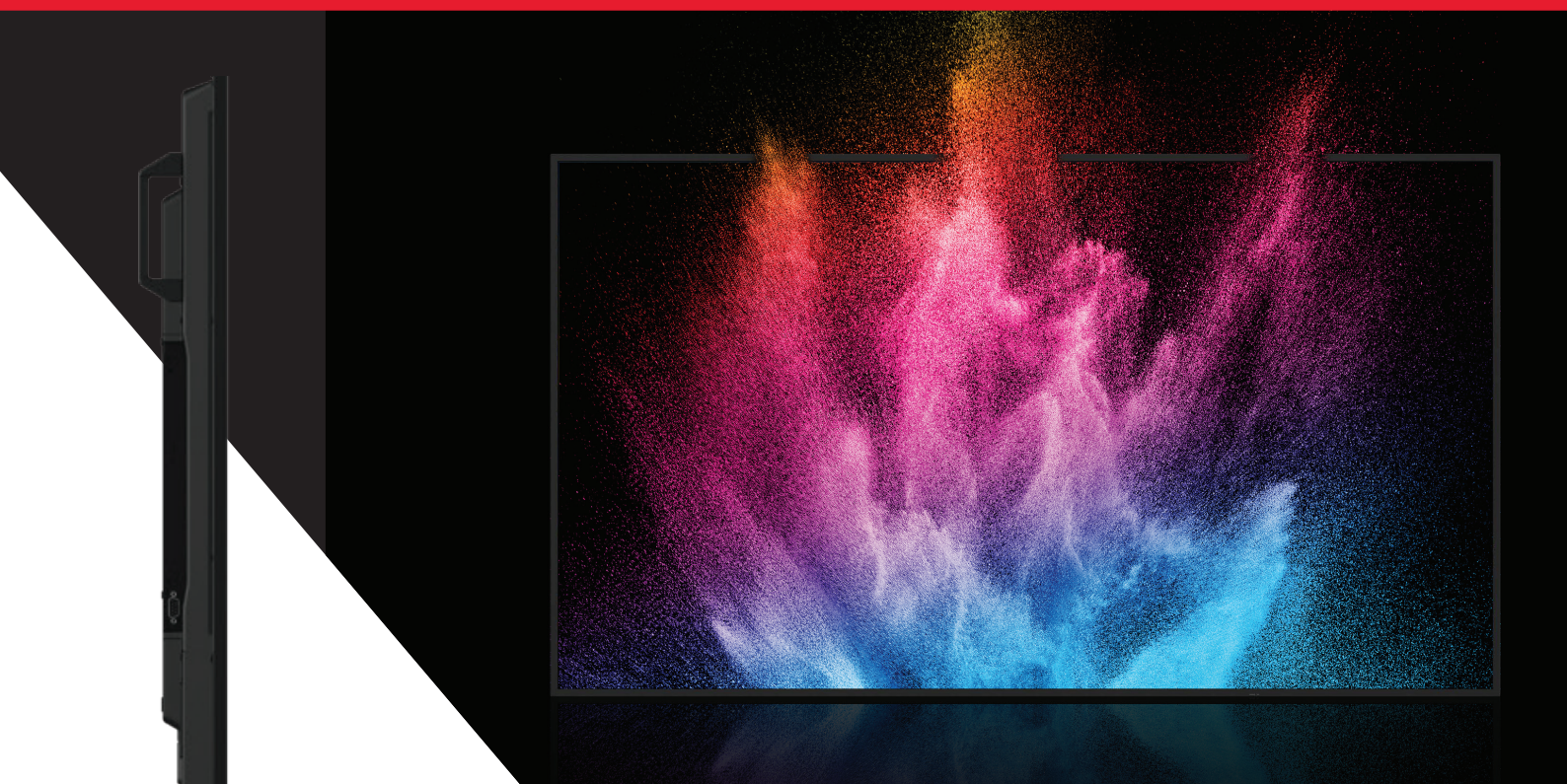
COMMERCIAL TOUGHNESS ASSURED

A full-metal chassis, carrying handles, and active cooling system mean it's ready for harsh environments without compromising the sleek design. Integrated temperature sensors keep your brightness consistent without thermal dimming - your content stays front and center, even in the harsher conditions found in commercial environments.

CONSISTENT COLOUR

Pre-calibrated for luminance, white point, gamma, and uniformity, every PN-M display features SpectraView Engine Technology™ and is ready to go, right out of the box. Want deeper control? Through the SpectraView Engine, dial in white point with adjustments of 100k, select brightness based on luminance level, or even input your own CIE color coordinates, giving users capabilities like never before. Bonus: backlight stabilization keeps your visuals looking fresh longer - no early fade-outs here. All of these features are specifically engineered to give you the best visual quality for an extended duration.

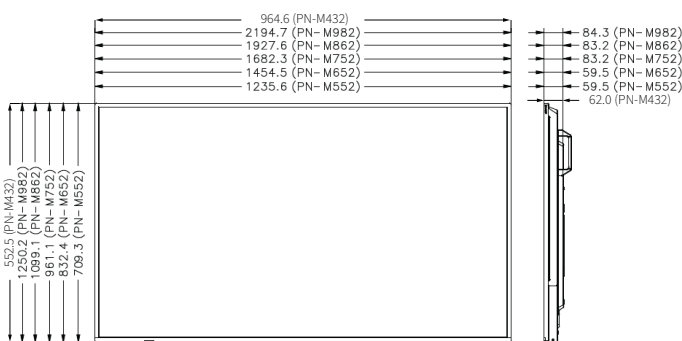




OTHER KEY FEATURES

- **Built for Flexibility:** Modular design supports Intel® SDM-L/SDM-S and Raspberry Pi CM4 for seamless embedded intelligence—no external devices or cluttered cabling.
- **Smart Input Prioritization:** Automatically switches between up to three prioritized inputs or wakes on signal—ensuring no downtime or blank screens.
- **Built-in Security:** Features IEEE802.1x authentication, SSL/TLS control, LAN/USB port disabling, and MAC/IP filtering - IT-grade protection.
- **Bottom Line:** Next-gen display performance with 24/7 reliability, sleek industrial design, and effortless integration for retail, signage, and control applications.

MECHANICAL DIMENSIONS



NAVISET ADMINISTRATOR

Remotely manage all your PN-M Series - and other Sharp displays - from a single, centralized dashboard using NaViSet Administrator 2™. Perfect for multi-display setups, this free tool lets you monitor status, automate tasks, generate reports, and make on-demand changes from anywhere. Want even more power? Upgrade to the Server Edition for enhanced features and full remote access across your ecosystem.



INPUT PANELS



1. USB-A (Service)
2. Audio Mini-Jack Out
3. LAN1 Control IN
4. LAN2 Control OUT
5. IR Remote In
6. HDMI IN 2
7. HDMI Out
8. HDMI 1 (ARC) In
9. DisplayPort In
10. DisplayPort Out
11. USB-C1
12. USB-A
13. USB-C2
14. RS-232C In



Model		PN-M432		PN-M552	PN-M652	PN-M752	PN-M862	PN-M982
LCD Module	Panel Technology		IPS					
	Viewable Image Size		42.5"	54.6"	64.5"	74.5"	85.6"	97.5"
	Native Resolution		3840 x 2160					
	Brightness (Typ)		550 cd/m2					
	Contrast Ratio (Typ)		1200:1					
	Viewing Angle		178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10					
	Aspect Ratio		16:9					
	Color Gamut		72% NTSC					
	Displayable Colors		Over 1.07 Billion (10bit dithered)					
	Orientation		Landscape and Portrait (CCW Rotation)					
	Panel Haze (%)		25					
Connectivity	Input	Digital	HDMI 2.0 x2, DP 1.4 x2, USB-C (Upstream with DP-Alt Mode and 60W Power Delivery)					
		Analog	N/A					
		Audio	N/A					
		External Control	LAN (100Mbit), 3.5mm Mini Jack IR Remote, RS-232C					
		Data	USB-C (Upstream with DP-Alt Mode and 65W Power Delivery), USB-A 2.0 (Service), USB-A 3.2 (Downstream), USB-C (Downstream)					
	Output	Digital	HDMI x1, DisplayPort x1 (Carries DP or DP-Alt signals via USB-C)					
		Analog	N/A					
		Audio	3.5mm Mini Jack					
		External Control	LAN (100Mbit, carries RS-232C and IR)					
Power Consumption	On (Typ/Max Brightness/All Max)		-	105W/155W/355W	135W/210W/400W	140W/215W/410W	190W/305W/525W	210W/350W/595W
	Network Standby		0.5W					
	Normal Standby		2W					
	Current Rating		-	4.0A - 1.7A @ 100V - 240V	4.6A - 1.9A @ 100V - 240V	4.6A - 1.9A @ 100V - 240V	5.9A - 2.4A @ 100V - 240V	6.7A - 2.7A @ 100V - 240V
	Speaker Rating		Integrated 10W x 2, Optional through SP-RM3a					
Physical Specs	Bezel Width (L/R, T/B)		9.9mm/9.9mm	11.0mm/11.0mm, 11.0mm/13.9mm		14.3mm/14.3mm, 14.3mm/14.8mm		15.9mm/15.9mm, 15.9mm/15.9mm
	Net Dimensions (Without stand; W x H x D)		964.6 x 552.5 x 62.0mm	1235.6 x 709.3 x 59.5mm	1454.5 x 832.4 x 59.5mm	1682.3 x 961.1 x 83.2mm	1927.6 x 1099.1 x 83.2mm	2194.7 x 1250.2 x 84.3mm
	Net Weight		9.4kg	20.5kg	26.0kg	38.0kg	47.0kg	68.0kg
	VESA Hole Configuration		4x M6 x 14mm (200 x 200)	4 x M6 (300 x 300)	4 x M6 (400 x 400)	4 x M8 (600 x 400)		
	Sensors	Ambient Light Sensor	Integrated					
		Human Sensor	Optional through PN-KTRC3					
		Temperature Sensor	Integrated and programmable; linked to cooling fans					
		NFC Sensor	N/A					
Environmental Conditions	Operating Temperature		0° - 40° C					
	Operating Humidity		20 - 80%					
	Operating Altitude		3000 m					
Limited Warranty			3 year RTB					
Additional Features			AMX Support, Automated Email Alert Function, CEC Support through HDMI, Crestron Connected V2 Support with XiO Cloud, IEEE802.1x Wired Network Authentication, SSH, Naviset Secure, Signed FW upon Install, Admin Login, IP Address Filtering, MAC Address Filtering, SNMP V1/2/3, USB/LAN Lockout Capability, PD Comms Tool Support, NEC Firmware Update Tool, Display Browser Control, Display Wall Calibrator Compatible, HDR Support (PQ, HLG, HDR10), Key Guide, NaViSet Administrator 2 Compatible, OSD Rotation for Portrait Orientation, SDM Compatible, PJ Link Support, USB Power Delivery via USB-C (65W), Raspberry Pi Compute Module Compatible, Real Time Clock, Local Dimming, Multi Picture Mode, SpectraView Engine Technology, Quick Input Change, Quick Start, Internet Time Server, Auto ID/IP Settings, Energy Star 8.0					
Ships With			3m AC Power Cord, 2.0m HDMI Cable, IR Remote Control, Batteries, AAA batteries					

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