SHARP

MultiSync® PN-M Series Large Format Displays

PN-M432, PN-M502, PN-M552, PN-M652,
PN-M752, PN-M862, PN-M982



High-Impact Displays That Just Work

Say goodbye to dull, inconsistent displays

Masterfully Crafted for Impactful Messaging

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.

Key Pain Points—Solved

Tired of inconsistent colors across displays? SpectraView™ Engine gives you pixel-perfect factory calibration and pro-level customization.

Dealing with outdated or clunky setups? Enjoy seamless modular upgrades with Intel® SDM and Raspberry Pi Compute Module 4 support.

Struggling with overheating or display dimming? Smart cooling tech keeps your visuals bright and your system protected.

Need 24/7 uptime in tough environments? Full metal build, active cooling, and secure LAN controls ensure long-term reliability.

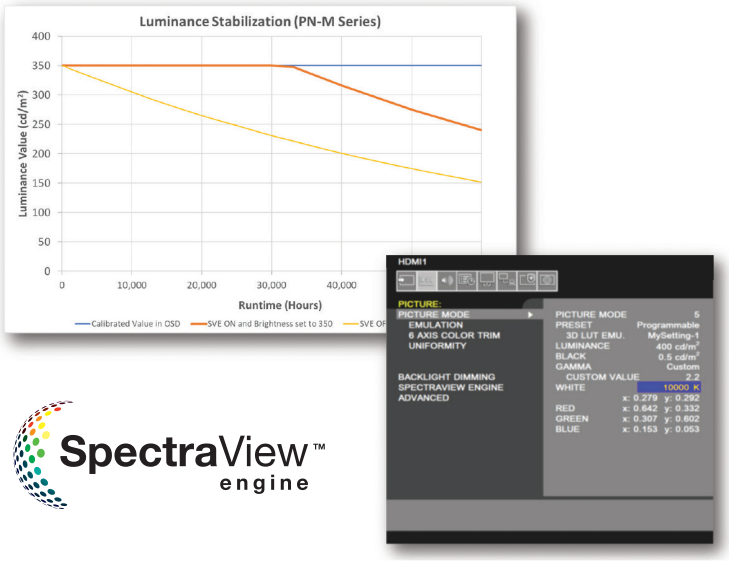
High-End UHD Visuals, All Day, Every Day

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 an impressive 550 cd/m^2 in brightness, ensuring that your message cuts through—even in high-ambient light spaces.

4K UHD

Consistent Color with SpectraView™ Engine

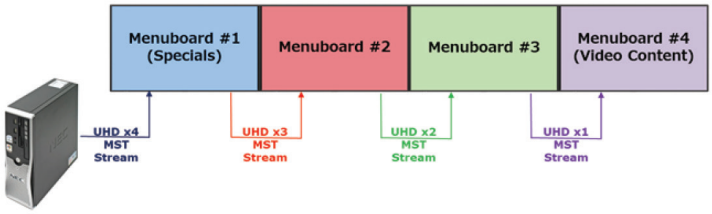
Pre-calibrated for luminance, white point, gamma, and uniformity, every PN-M display features SpectraView Engine Technology and is ready to go, right out of the box. Want deeper control? Through the SpectraView Engine, dial in white point with adjustments of 100k, select brightness based on luminance 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.***



SpectraView™ engine

Smarter Daisy Chaining & Multi-Display Sync

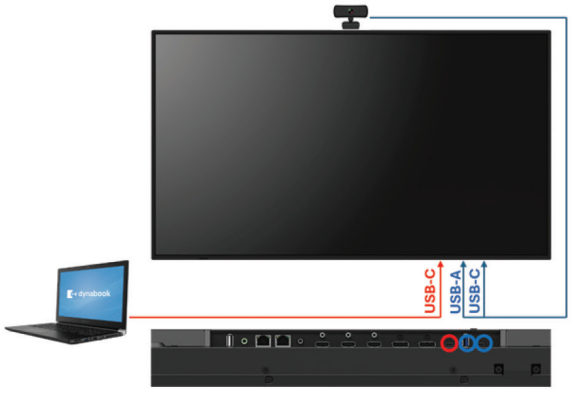
Connect up to 4 independent displays from one source thanks to DisplayPort 1.4 connectivity and HBR3 capabilities with Multi-Stream Transport (MST*). MST capabilities can drive up to 4 independent displays from a single DisplayPort source by multiplexing several video streams into a single stream and 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.

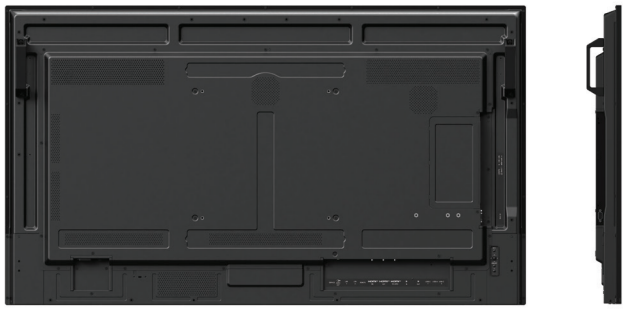
Power, Connect, Control—Simplified

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.



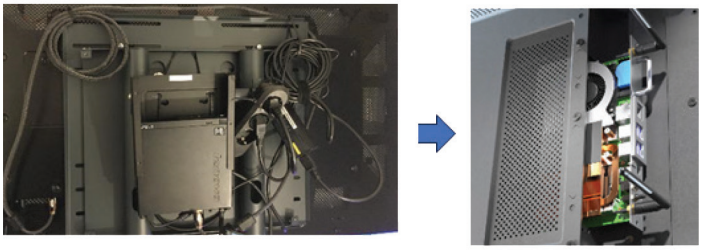
Commercial Toughness You Can Trust

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.



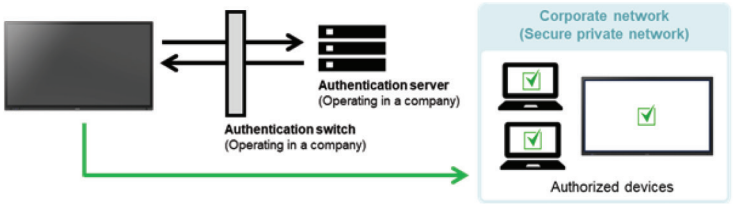
Built for Flexibility

The MultiSync PN-M Series is **modular by design**, ready to integrate Intel® Smart Display Modules (SDM-L/SDM-S) and Raspberry Pi Compute Module 4 for embedded intelligence without external gear or messy cabling. Through clever mechanical and electrical design, the PN-M Series allows for sleek all-in-one intelligence and interoperability in a small form factor setting, giving you everything you need for digital signage applications while also offering the ability to enhance your screen through multiple integrated professional technologies - all while simplifying installations and allowing for clean and easy set-up.



Built-in Security for IT Peace of Mind

With **IEEE802.1x authentication via the LAN connection**, SSL/TLS browser control, LAN and USB port disabling, and MAC/IP filtering, the MultiSync PN-M Series helps keep your network secure and locked down.



Total Control with NaViSet Administrator™

Remotely manage all your PN-M Series - and other Sharp or NEC 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.

NaViSet Administrator 2

Smart Input Prioritization

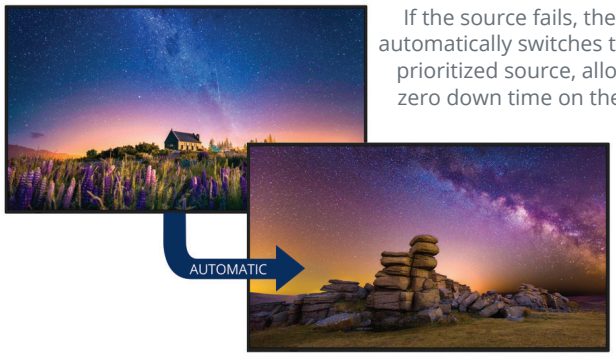
Auto-switch between up to three prioritized inputs or power on with a live signal - no more blank screens or manual resets. If a primary source goes down, the display will automatically switch to whatever the customer has prioritized next. The first detect option also allows for the display to automatically switch 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-M Series



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

First Detect



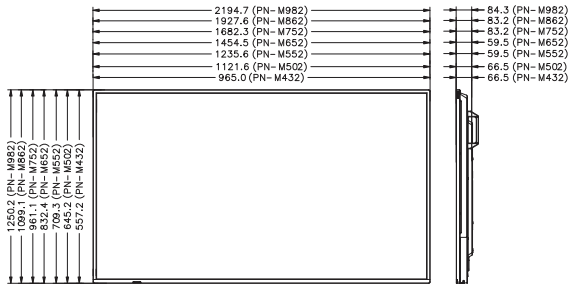
Setting the display to First Detect enables it to automatically power on when a source is connected

Bottom Line:

The Sharp MultiSync PN-M Series delivers next-gen display performance, built-in flexibility, and true 24/7 commercial-grade reliability— wrapped in a sleek, industrial design that makes your message shine. Whether you're setting up a mission-critical control room or modernizing a retail experience, the PN-M Series is ready to level up your signage game.

Specifications

MODEL			PN-M432	PN-M502	PN-M552	PN-M652	PN-M752	PN-M862	PN-M982
LCD MODULE	Panel Technology		IPS	VA	IPS				
	Viewable Image Size		42.5"	49.5"	54.6"	64.5"	74.5"	85.6"	97.5"
	Native Resolution		3840 x 2160						
	Brightness (Typical)		550 cd/m²						
	Contrast Ratio (Typical)		1200:1	4000:1	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 Terminals	Digital	HDMI 2.0 x2, DP 1.4 x2, USB-C (Upstream with DP-Alt Mode and 65W 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 Terminals	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)		75W 125W 305W	85W 135W 305W	105W 155W 355W	135W 210W 400W	140 215W 410W	190W 305W 525W	210W 350W 595W
	Network Standby		0.5W						
	Normal Standby		2W						
	Current Rating		3.4A - 1.4A @ 100V - 240V		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 SPECIFICATIONS	Bezel Width (L/R, T/B)		9.9mm/ 9.9mm, 9.9mm/ 13.9mm	10.9mm/ 10.9mm, 10.9mm/ 13.9mm	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)		38.0 x 21.9 x 2.6 in. 965.0 x 557.2 x 66.5mm	44.2 x 25.4 x 2.6 in. 1121.6 645.2 x 66.5mm	48.7 x 27.9 x 2.3 in. 1235.6 x 709.3 x 59.5mm	57.3 x 32.8 x 2.3 in. 1454.5 x 832.4 x 59.5mm	66.2 x 37.8 x 3.3 in. 1682.3 x 961.1 x 83.2mm	75.9 x 43.3 x 3.3 in. 1927.6 x 1099.1 x 83.2mm	86.4 x 49.2 x 3.3 in. 2194.7 x 1250.2 x 84.3mm
	Net Weight		13.5kg 29.8lbs.	18.0kg 39.7lbs.	20.5kg 45.2lbs.	26.0kg 57.3lbs	38.0kg 83.8lbs	47.0kg 103.6lbs	68.0kg 149.9lbs
	VESA Hole Configuration		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 to 40C						
	Operating Humidity		20-80%						
	Operating Altitude		3000m (9843ft)						
LIMITED WARRANTY			5 years Advanced Replacement						
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-C/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 (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						
OPTIONAL SPEAKERS			SP-RM3a						
OPTIONAL STAND			PN-ST431			ST-65M	ST-801		
OTHER ACCESSORIES			All SDM Option Cards, Raspberry Pi Compute Module 4 with optional NEC Interface Board, Human Sensor (PN-KTRC3)						



Tabletop Stand

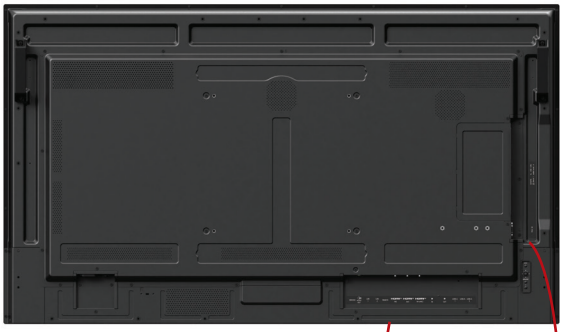
PN-ST43L (PN-M432/PN-M502/PN-M552)
ST-65M (PN-M652)
ST-801 (PN-M752/PN-M862/PN-M982)



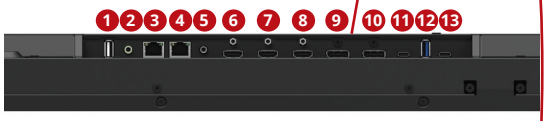
Wall Mount

WMK-3298T (PN-M432/PN-M502/PN-M552/PN-M652)
WMK-7598T (PN-M752/PN-M862/PN-M982)





Bottom Panel



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 IN2
7. HDMI Out
8. HDMI IN1 (ARC)
9. DisplayPort In
10. DIsplayPort Out
11. USB-C1 (Upstream, DP-Alt Mode, 65W PD)
12. USB-A (2.0/3.2 Gen1, Downstream)
13. USB-C2 (2.0/3.2 Gen1, Downstream)
14. RS-232C In

Side Panel



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100 Paragon Drive, Montvale, NJ 07645
1-800-BE-SHARP • business.sharpusa.com/displays-projectors

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