SHARP / NEC

NEC *MultiSync®* M Series Large Format Displays

43", 49", 55" and 65" Professional Displays Ideal for Digital Signage Applications

Expertly crafted display lineup built to give you peace-of-mind while bringing bright and vivid UHD digital signage to corporate, restaurant, higher educational and retail institutes

Professional Quality, Memorable Message

Create pixel-perfect imagery with the high-end panel quality with the new fully professional NEC M Series large format displays. By focusing on customer needs while also offering professional quality, the M series displays give customers a high-end and reliable digital signage display lineup without all the costs. The M series can support both landscape and portrait orientations while also allowing the modularity possibilities to customize their needs dependent on their application and use. The new series contain a full metal mechanical chassis, allowing for a more robust design necessary for commercial applications while maintaining the attractive aesthetics that allow the focus of onlookers to be on what matters – the message. Simple and targeted connectivity options allow customers to have the up-to-date options that they need while not having to overpay for excess and unused interfaces. The NEC M series boasts 500 cd/m² brightness which is ideal for a majority of digital signage applications in corporate, higher education, restaurant, retail and grocery store environments when the focus should be on the message, not the budget.

High-End UHD Picture Quality

By supporting native 3840 x 2160 resolution with HDR compatibility across the entire M Series lineup, imagery and messaging can become more vivid and lifelike than ever before!

Full Commercial Build

Full metal chassis allows for the ruggedness needed for true commercial environments while integrated carrying handles reduces the likelihood of damage while installation. On top of that, integrated temperature sensors and active cooling fans insure that the display remains cool and at a constant brightness output in order to maintain professional level image output.

Professional Modularity

The M series gives customers everything they need for their digital signage application while also offering the ability to enhance their screen through multiple integrated professional technologies. The M Series accepts Intel® Smart Display Modules Large or Small through clever mechanical and electrical design allowing for sleek all-in-one intelligence and interoperability in a small form factor setting. This allows for the flexible implementation of Intel® processor-based products directly into the NEC M series products without having to deal with the hassles of mounting external devices and running video or audio cabling. Audio, video, control and power signals are all internal from the Intel® SDM through to the display, simplifying installations and allowing for clean and easy set-up.

intel.
smart display
module **ready**

The M series also expands on the success of earlier display line-ups by allowing for the optional implementation of a Raspberry Pi Compute Module 4 directly into each display. The Raspberry Pi Compute Module 4 greatly outperforms previous versions by offering gigabyte network speeds, faster CPU processing and true 4K support. The new version also comes imaged with the new and user-friendly NEC Mediaplayer. Through an intuitive user-interface, the NEC Mediaplayer allows you to load, schedule and edit playlists, access internal storage, access online media through an internal browser or even image the RPi to qualified CMS partner platforms – all through the supplied NEC remote control or remotely through a web-interface!

NaViSet Administrator 2

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 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 NEC ecosystem through this free optional asset management software!

NaViSet
Administrator 2

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 onto any source that plugs into it, allowing the display to wake on any synced signal.
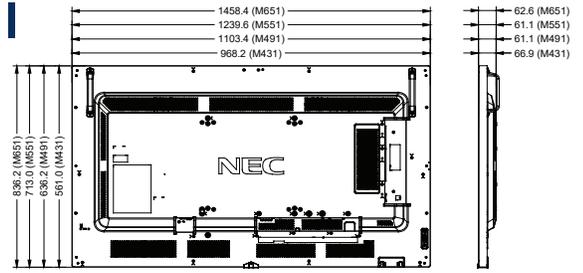
Typical Display

If the source fails, this results in a blank screen

BLANK SCREEN

M Series

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

AUTOMATIC

First Detect

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

ANY SOURCE   AUTOMATIC

NEC

		M431	M491	M551	M651
LCD MODULE	Panel Technology	IPS			
	Viewable Image Size	43"	49"	55"	65"
	Native Resolution	3840 x 2160			
	Brightness (Typical/Minimum)	500 cd/m²			
	Contrast Ratio (Typical)*	≥8000:1			
	Viewing Angle	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10			
	Aspect Ratio	16:9			
	Color Gamut	68% NTSC			
	Displayable Colors	Over 1.07 Billion (10bit)			
	Orientation	Landscape and Portrait (CCW Rotation)			
	Panel Haze (%)	28			
CONNECTIVITY	Input Terminals — Digital	HDMI 2.0 x2, DP 1.2 x1			
	Input Terminals — Analog	N/A			
	Input Terminals — Audio	N/A			
	Input Terminals — External Control	LAN (100Mbit), 3.5mm Mini Jack IR Remote, RS-232C			
	Input Terminals — Data	USB 2.0 (Media Player, 5V/2A)			
	Output Terminals — Digital	N/A			
	Output Terminals — Analog	N/A			
	Output Terminals — Audio	3.5mm Mini Jack			
	Output Terminals — External Control	N/A			
POWER CONSUMPTION	On (Typ/Max Brightness/All Max)	80W/95W/175W	95W/115W/225W	110W/140W/250W	120W/150W/260W
	Network Standby	2W			
	Normal Standby	<0.5W			
	Current Rating	1.8A - 0.8A @ 100V - 240V	2.5 - 1.1A @ 100V - 240V	2.8 - 1.1A @ 100V - 240V	2.9 - 1.2A @ 100V - 240V
	Speaker Rating	Integrated 10W x 10W, Optional through SP-RM3a			
PHYSICAL SPECIFICATIONS	Bezel Width (L/R, T/B)	11.0mm/11.0mm, 11.0mm/15.6mm	12.5mm/12.5mm, 12.0mm/15.6mm		
	Net Dimensions (Without stand; W x H x D)	38.1 x 22.1 x 2.6 in. 968.2 x 561.0 x 67.1mm	43.4 x 25.1 x 2.4 in. 1103.4 x 636.2 x 61.1mm	48.8 x 28.1 x 2.4 in. 1239.6 x 713.0 x 61.1mm	57.4 x 32.9 x 2.5 in. 1458.4 x 836.2 x 62.4mm
	Net Weight (Without Stand)	17.5kg / 38.6lbs.	21.8kg / 48.1lbs.	26.4kg / 58.2lbs.	37.1kg / 81.8lbs.
	VESA Hole Configuration	4x M6 x 12mm (300 x 300)			4x M8 x 16mm (400 x 400)
SENSORS	Ambient Light Sensor	Integrated			
	Human Sensor	Optional (KT-RC3)			
	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		3 years Advanced Replacement			
ADDITIONAL FEATURES		AMX Support, Automated Email Alert Function, ARC Support through HDMI, Crestron Roomview Support (FW Update), Display Browser Control, Display Wall Calibrator Compatible, HDR Compatible (PQ, HLG, HDR10), Key Guide, NaViSet Administrator 2 Compatible, OSD Rotation for Portrait Orientation, Accepts Intel(R) SDM-S or SDM-L, PJ Link Support, Power USB Port (5V/2A), Raspberry Pi Compute Module 4 Compatible, Removeable Logo Ornament, Real Time Clock, Local Dimming, TileMatrix, SNMP, Consumer Electronics Control (CEC), Integrated USB Media Player, Integrated Temperature sensor, Full Input Detect Functionality, Integrated Ambient Light Sensor, Programmable Gamma, Energy Star 8.0, Scheduler Function, Off Timer, 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			ST-65M
Other Accessories		SDM-VICW-IS PC Option Card, SDM-VI3W-IS (49"+ Only), SDM-VI5W-IS (49"+ Only), SDM-12GSDI Option Card, SDM-HDBT Option Card, Raspberry Pi Compute Module 4 with optional NEC Interface Board (MPi4E), Human Sensor (KT-RC3)			

*Out of the box conditions, local dimming ON

Tabletop Stand

ST-43M (M431/M491/M551)
ST-401 (M431/M491/M551)
ST-65M (M651 - not pictured)

Wall Mount

WMK-3298T

Bottom Panel

Side Panel

Input Panels

1. USB (Media Player / Power)
2. DisplayPort IN
3. HDMI1 IN
4. HDMI2 IN
5. LAN (Control)
6. Audio Out
7. IR Remote IN
8. RS232C IN

Sharp NEC Display Solutions of America
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