

# SHARP

**M431-2**

**M501-2**

**M551-2**

**M651-2**

MultiSync® M Series  
Large Format Displays



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/m<sup>2</sup> 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.

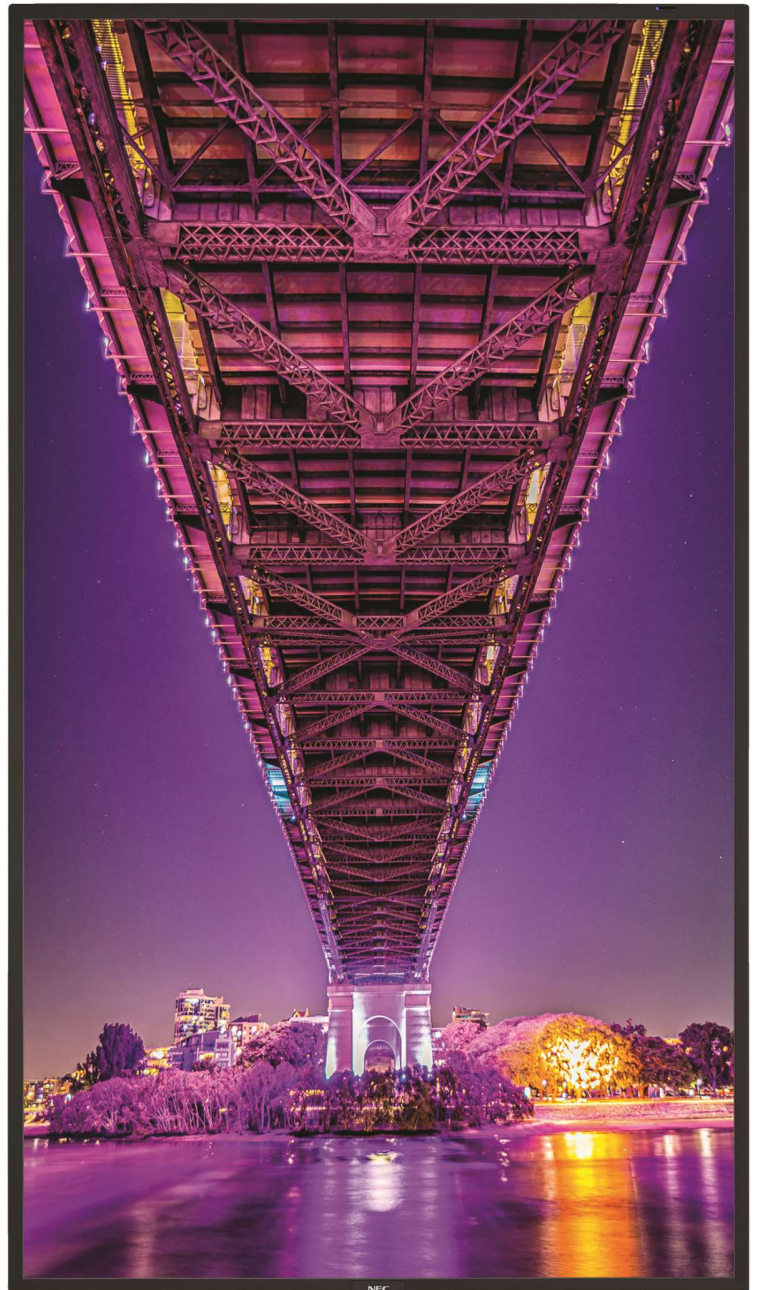
## High-End UHD Picture Quality

**4K UHD**

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 ensure 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.



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.

## 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 Server Edition (NASE) expands on the extensive device management capabilities of Naviset Administrator 2 by providing enterprise level display management such as: Multi-user support with secured communications and logging, running as an on-premises server with remote access, a browser-based interface aimed at mobile devices for management on the go, REST API support for interfacing with other applications and management systems, and support for secure access to remote devices on other networks via the Internet.



## 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



### M Series



### First Detect



MODEL	M431-2		M501-2		M551-2		M651-2		
LCD MODULE	Panel Technology	IPS		VA		VA		IPS	
	Viewable Image Size	42.5"		49.5"		54.6"		64.5"	
	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	72% NTSC							
	Displayable Colors	Over 1.07 Billion (8bit+FRC)							
	Orientation	Landscape and Portrait (CCW Rotation)							
	Panel Haze (%)	25							
CONNECTIVITY	Input Terminals								
	Digital	HDMI 2.0 x2, DP 1.2 x1							
	Analog	N/A							
	Audio	N/A							
	External Control	LAN (100Mbit), 3.5mm Mini Jack IR Remote, RS-232C							
	Data	USB 2.0 (Media Player, SV/2A)							
	Output Terminals								
	Digital	N/A							
	Analog	N/A							
	Audio	3.5mm Mini Jack							
	External Control	N/A							
POWER CONSUMPTION	On (Typ/Max Brightness/ All Max)	80W/95W/175W	85W/100W/210W	120W/155W/265W	165W/215W/320W				
	Network Standby	2W							
	Normal Standby	<0.5W							
	Current Rating	1.9A - 0.8A @ 100V - 240V	2.4 - 1.0A @ 100V - 240V	2.9 - 1.2A @ 100V - 240V	3.6 - 1.5A @ 100V - 240V				
	Speaker Rating	Integrated 10W x 10W,							
PHYSICAL SPECIFICATIONS	Bezel Width (L/R, T/B)	13.9mm Even	14.9mm Even	13.9mm Even	14.9mm Even				
	Net Dimensions (Without stand; W x H x D)	38.1 x 22.1 x 2.5 in. 973.0 x 561.2 x 62.6mm	44.4 x 25.6 x 2.5 in. 1128.4 x 649.0 x 62.6mm	48.9 x 28.1 x 2.5 in. 1241.8 x 712.6 x 62.6mm	57.6 x 33.0 x 2.7 in. 1462.3 x 837.3 x 68.1mm				
	Net Weight (kg / lbs)	13.9kg / 30.6lbs.	17.3kg / 38.1lbs.	19.8kgs / 43.7lbs.	29.4kg / 64.8lbs.				
	VESA Hole Configuration	4x M6 x 12mm (200 x 200)	4 x M6 x 12mm (400 x 400)	4 x M6 x 12mm (400 x 400)	4x M8 x 16mm (400 x 400)				
	SENSORS	Ambient Light Sensor	Optional (KT-RC3)						
Human Sensor		Optional (KT-RC3)							
Temperature Sensor		Integrated; linked to cooling fan when SDM is inserted							
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, CEC Support through HDMI, Crestron Roomview Support, 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 (SV/2A), Raspberry Pi Compute Module 4 Compatible, Removeable Logo Ornament, Real Time Clock, Local Dimming, TileMatrix, Cisco Webex Compatible, SNMP, Consumer Electronics Control (CEC), Integrated USB Media Player, Integrated Temperature sensor, Full Input Detect Functionality, 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								
Other Accessories	SDM Option Cards**, Raspberry Pi Compute Module 4 with optional NEC Interface Board, Human Sensor (KT-RC3)								

## M431/M491/M551/M651 Specifications



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



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\*Out of the box conditions, local dimming ON  
\*\*Limitations apply with M431-2 and certain SDM PC's

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