

# NEC MultiSync® M Series Large Format Displays

24/7  
CERTIFIED  
OPERATION

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

## Share your message, your way!

### 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.

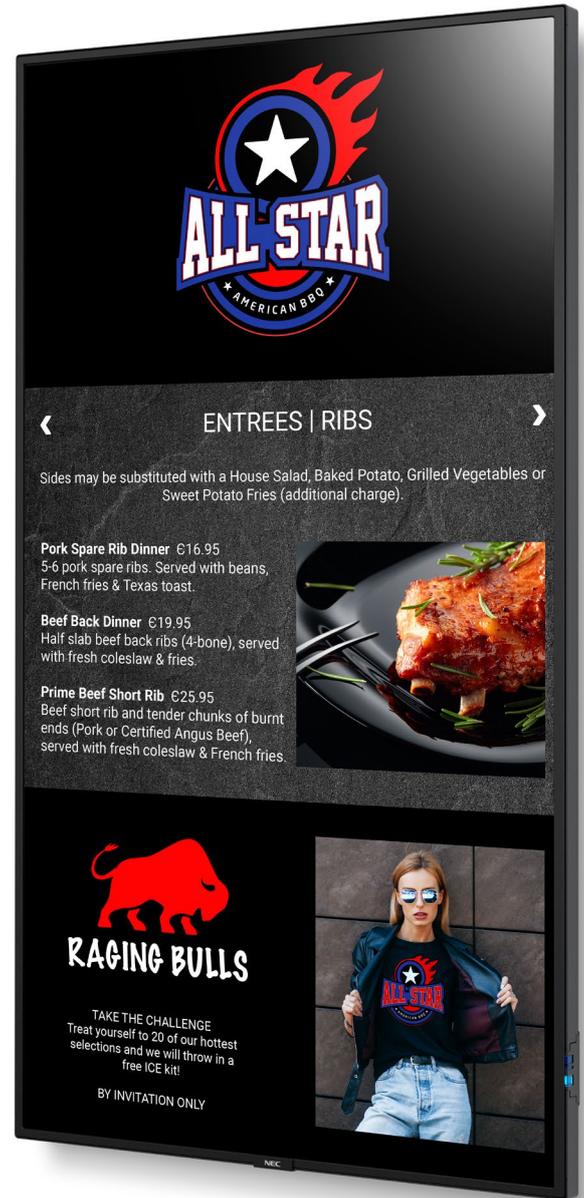
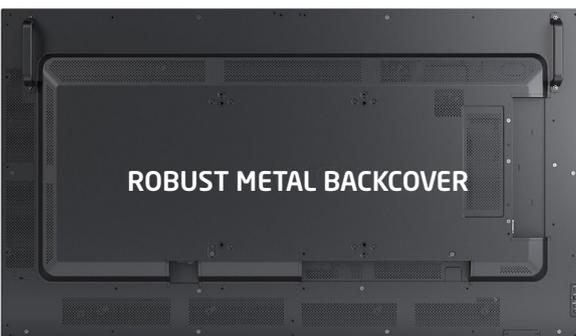
### High-End UHD Picture Quality

**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 insure that the display remains cool and at a constant brightness output in order to maintain professional level image output.



### Cisco Compatible Partner

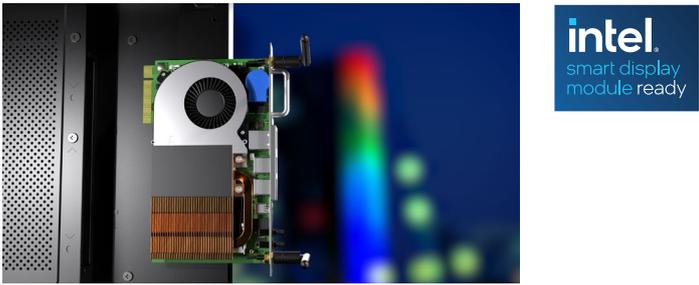
Full compatibility with Cisco WebEx Kit products. The Cisco WebEx Kit is a professional video conferencing tool that has everything integrated into a single soundbar including microphone(s), camera(s), the speaker and the Video Conferencing Codec. This, combined with the large format NEC displays provide the ultimate conferencing solution.



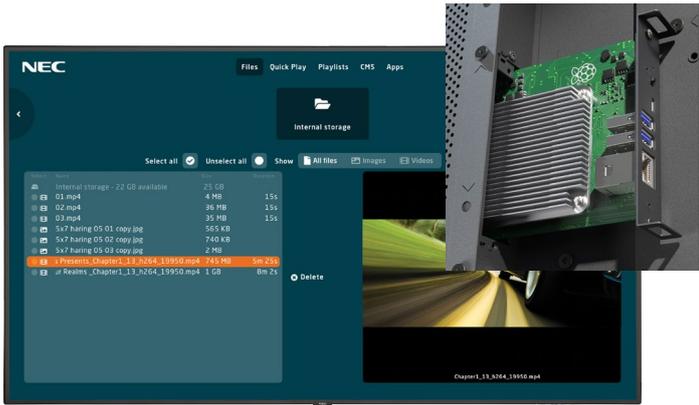
# Advanced Viewing with Professional Features

## 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 (available Q2 2021). 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

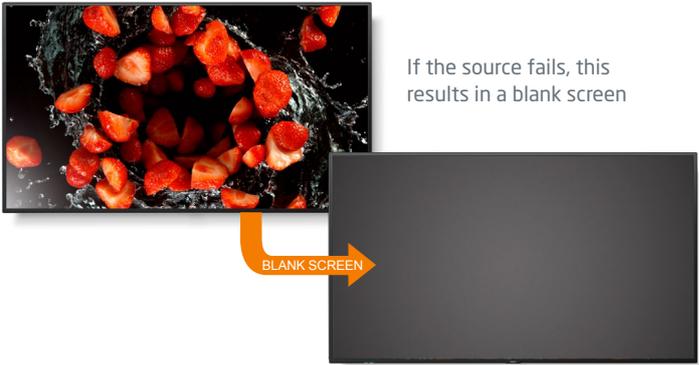
This software is an all-in-one remote support solution that runs from a central location and provides monitoring, asset management and control functionality of NEC display devices and Windows computers. It is ideal for multi-device installations over arrays as it allows for task management, reporting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



## Input Detect Functionality

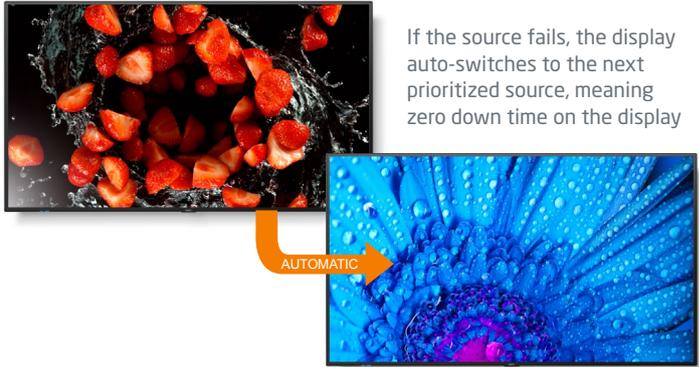
This feature allows for the customer to prioritize up to 3 inputs so that if a primary source goes down, the display will automatically switch to whatever the customer has prioritized next. The first detect option also allows for the display to automatically turn on any source that plugs into it, allowing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

### Typical Display



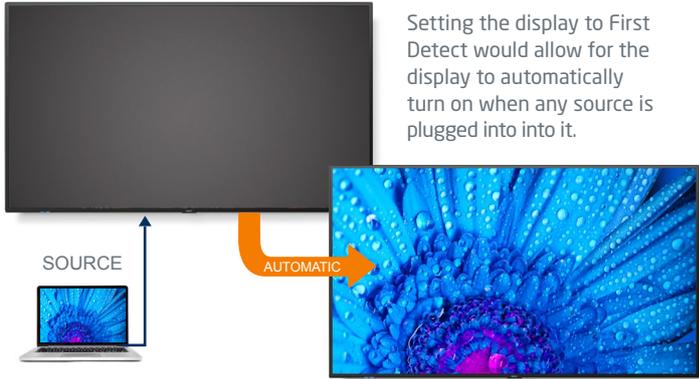
If the source fails, this results in a blank screen

### M Series



If the source fails, the display auto-switches to the next prioritized source, meaning zero down time 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.

**M431**  
43" | UHD | 500 cd/m<sup>2</sup>  
RPI 4 Slot | Intel® SDM Slot  
NEC MediaPlayer  
Pro Haze Reduction

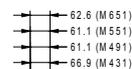
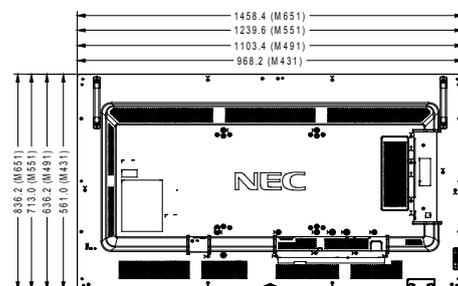
**M491**  
49" | UHD | 500 cd/m<sup>2</sup>  
RPI 4 Slot | Intel® SDM Slot  
NEC MediaPlayer  
Pro Haze Reduction

**M551**  
55" | UHD | 500 cd/m<sup>2</sup>  
RPI 4 Slot | Intel® SDM Slot  
NEC MediaPlayer  
Pro Haze Reduction

**M651**  
65" | UHD | 500 cd/m<sup>2</sup>  
RPI 4 Slot | Intel® SDM Slot  
NEC MediaPlayer  
Pro Haze Reduction

SPECIFICATIONS		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/m <sup>2</sup>			
	Contrast Ratio <sup>1</sup>	≥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 (10 bit)			
	Orientation	Landscape and Portrait (CCW Rotation)			
Panel Haze (%)	Pro (28)				
CONNECTIVITY	Input Terminals	Digital	HDMI 2.0 x2, DP 1.2 x 1		
		External Control	LAN (100Mbit), 3.5mm Mini Jack IR Remote, RS-232C		
	Output Terminals	Data	USB 2.0 (Media Player, 5V/2A)		
POWER CONSUMPTION	Audio	3.5mm Mini Jack			
	On (Typ/Max Brightness/All Max)	80W/95W/175W	95W/115W/225W	110W/140W/255W	120W/150W/260W
	Network Standby	2W			
	Normal Standby	<0.5W			
	Current Rating	1.8A - 0.9A @ 100V - 240V	2.5 - 1.1A @ 100V - 240V	2.8 - 1.1A @ 100V - 240V	2.9 - 1.2A @ 100V - 240V
PHYSICAL SPECIFICATIONS	Speaker Rating	Integrated 10W x 10W, Optional through SP-RM3a			
	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)	968.2 x 561.0 x 67.1mm	1103.4 x 636.2 x 61.1mm	1239.6 x 713.0 x 61.1mm	1458.4 x 836.2 x 62.6mm
	Net Weight (Without Stand)	17.5kg	21.8kg	26.4kg	37.1kg
SENSORS	VESA Hole Configuration	4x M6 x 12mm (300 x 300)			4x M8 x 16mm (400 x 400)
	Ambient Light Sensor	Integrated			
	Human Sensor	Optional (KT-RC3)			
ENVIRONMENTAL CONDITIONS	Temperature Sensor	Integrated and Programmable; linked to cooling fans			
	Operating Temperature	0 to 40°C			
	Operating Humidity	20-80%			
ADDITIONAL FEATURES	Operating Altitude	3000m			
		<b>Pixel Failure Class</b> ISO 9241-307, Class 1 <b>Shipping Content</b> Display; HDMI Cable; Power Cable; Remote Control; User Manual <b>Operating Hours</b> 24/7 <b>External Control</b> AMX NetLinx Support; ASCII Control Commands; HDMI CEC; HTTP Browser; PJLink; Scheduled Timer; SNMP <b>Remote Management</b> Automated Email Alerts; NEC NaViSet Administrator 2 <b>Security</b> Disable HW Buttons; Disable IR Functionality; Emergency Notification			
SHIPS WITH	3m AC Power Cord, 2.0m HDMI Cable, IR Remote Control, 2 x Batteries				
Optional Speakers	SP-RM3a (Upcoming)				
Optional Stand	ST-43M or ST-401			ST-65M	
Other Accessories	All SDM Option Cards, Raspberry Pi Compute Module 3/4 with optional NEC Interface Board, Human Sensor (KT-RC3)				

<sup>1</sup> Out of the box conditions, local dimming ON



### Tabletop Stands

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



### Wall Mounts

- PDW S 32-55 L and P
- PD02W T L L, PD03W T M P



A. Bottom 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

### B. Side Panel



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