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.

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.
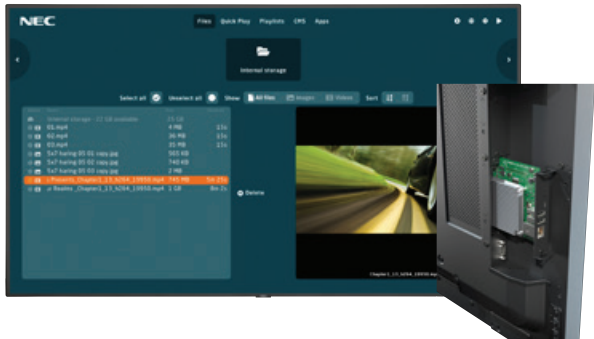
Professional Modularity

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!
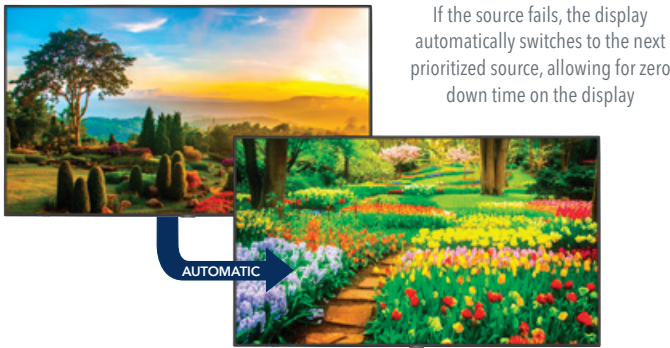
Input Detect Functionality

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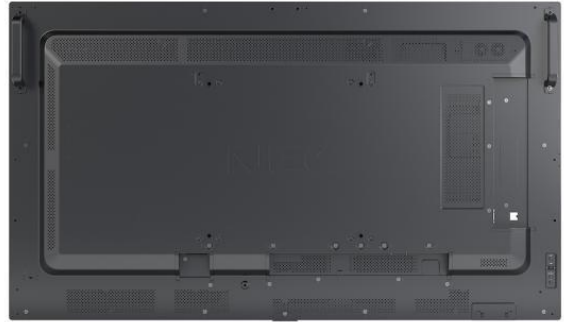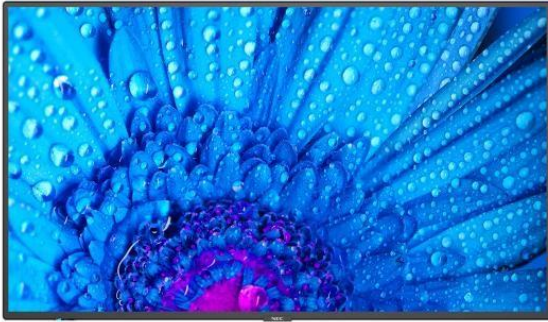
Typical Display

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

Datasheet

Intuitive professional content delivery

Great first impressions can make all the difference; presenting your business in the best possible way will boost your brand. With slim, modern styling, 24/7 operation and high haze panel to reduce reflections when ambient light is high, the M series is the professional way to deliver your message, yet at an attractive price point.

With the optional NEC MediaPlayer or the more powerful Intel® Smart Display Module (Intel® SDM) computing device, you are primed and ready for intuitive signage creation delivering real-time media playback for exceptional visual experiences. For advertising, infotainment and meeting room applications, the M Series provides powerful, upgradable functionality and all the aesthetic appeal to effortlessly reflect your brand credentials.

Benefits

Modern and slim design – robust yet elegant allowing for an unobtrusive integration into any application and environment.

Secure remote management – control your devices remotely and securely using NEC NaviSet Administrator 2; proactively manage maintenance requirements saving time and resources

Unhindered readability – no reflections from windows or other light sources means no disruption to the visibility of signage content or meeting room presentation

Mission-critical 24/7 ready operation – the meticulous selection of industrial-grade components and careful design focused on demanding usage scenarios accompany an impressive and continuous viewer experience.

Future Ready Connectivity – featuring multiple industry standard digital and analogue signal inputs for flexible integration into AV infrastructures.

Sharp/NEC Projected Capacitive
Touch Screen Displays

▌About the Projected Capacitive Solution

Sharp/NEC's line of projected capacitive (PCAP) touch displays are engineered to create maximum visual impact and interactive capabilities through seamless simplicity. The display with integrated touch will ship as a complete solution directly to the end user. PCAP technology allows for ultra-fast response times, 40-point of simultaneous touch, and full HID compliance for plug and play connectivity.

Multi-Touch Screen
True multi-touch support with up to ten simultaneous touch points for all major operating systems

Robust Design
Full steel chassis with simplified hook and lock installation

24/7 Runtime
Around the clock functionality

HID Compliant
Maximum compatibly with numerous operating systems, plug-and-play

Ultra-Fast
Response time allows for split second reactions between touch point and screen. Rapid and smooth touch response

Tempered Glass
In the event of a glass failure, tempered glass breaks down into pebbles rather than shards, leaving a minimal safety hazard.
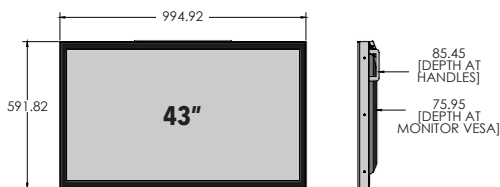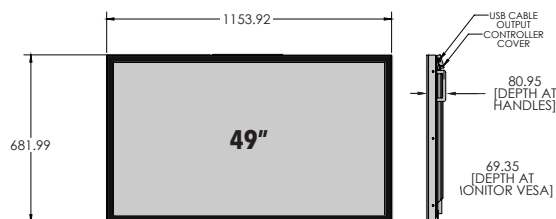
43"

50"

55"

65"

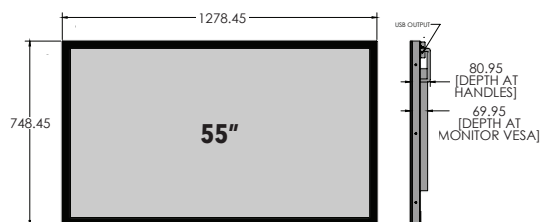| Part Number		M431-PT, MA431-PT, P435-PT	M491-PT, MA491-PT, P495-PT	M551-PT, MA551-PT, P555-PT	M651-PT
Glass	SIZE	43"	50"	55"	65"
	Thickness	4mm			
	Type	Tempered			
	Light transmission	TPLuminousness is 83%			
Touch	Touch Tecnology	Projected Capacitive			
	Number of Touches	40-Point (limitations with MacOS, Linux, and Android)			
	Response Time	8 ms			
	Touch Method	Finger or gloved hand			
	Data Interface	HID via USB 2.0			
	Accuracy	0.1% of sensor diagonal			
Power Supply Mode		Single USB connection (5v, 1A)			
Runtime		24/7			
Aspect Ratio		16:9			
Orientation		Portrait / Landscape			
Width/Height/Depth Including Monitor		39.17 x 23.3 x 3.36 in. / 994.92 x 591.82 x 85.34 mm	45.43 x 26.85 x 3.19 in. / 1154 x 682 x 81 mm	50.33 x 29.47 x 3.19 in. / 1278.45 x 748.45 x 80.95 mm	60.08 x 35.47 x 3.24 in. / 1525.95 x 900.85 x 82.27 mm
Total Net Weight		65.7 lbs. / 29.86 kg.	84.67 lbs. / 38.4 kg.	98.2 lbs. / 44.64 kg.	141.8 lbs. / 64.32 kg.
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 (5V/2A, Media Player)			
	Output Terminals — Digital	N/A			
	Output Terminals — Analog	N/A			
	Output Terminals — Audio	3.5mm Mini Jack			
	Output Terminals — External Control	N/A			
Supported Operating Systems		Windows 10, 8, 7, Ubuntu 12.04, Linux, Android, Chrome OS, Mac OS X Yosemite (single touch support or multi-touch support through TUIO bridge)			
Ships With		3m Power cord, 2.0m HDMI cable, Wireless remote control, Batteries, Setup Guide			
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)			

Solution Sizes Available

M431-PT, MA431-PT, P435-PT
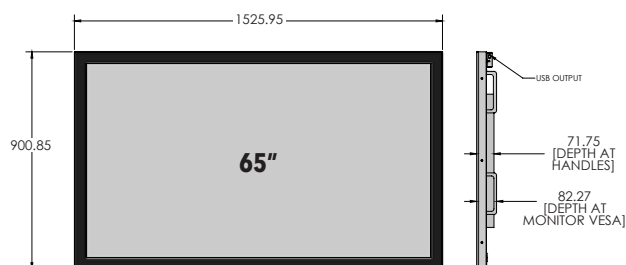

M491-PT, MA491-PT, P495-PT

M551-PT, MA551-PT, P555-PT

M651-PT

Dimensions shown in mm
Projected Capacitive Touch Screen Overlay Patent Pending

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Product specifications subject to change.