

NEC MultiSync® MA Series Large Format Displays

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



Feature-rich commercial design with full metal chassis allows for seamless integration into any digital signage environment while maintaining the commercial ruggedness necessary for restaurant, command and control, corporate, and leisure signage

Masterfully Crafted for Impactful Messaging

Create pixel perfect imagery with the high-end panel quality of the new fully commercial NEC MA Series large format displays. By implementing premium features and focusing on creating impressionable digital signage experiences, the MA series gives customers and elite display option. With its one-of-a-kind wide color gamut commercial panel coupled with the proprietary SpectraView Engine capabilities, these displays offer more color capabilities than ever before. On top of that, these products allow customers the modular capabilities to customize their product based on their needs and applications. 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. Robust connectivity options allow customers to have up-to-date connectivity options while also allowing for enhanced daisy chain capabilities when tying displays together for video or control signal distribution. The NEC MA series boasts 500 cd/m² brightness which is ideal for a majority of high end digital signage applications in restaurants, command and control, retail, museums and corporate environments when high-end and feature rich displays are necessary to convey important messaging.

High-End UHD Picture Quality

By supporting native 3840 x 2160 resolution with HDR compatibility across the entire MA 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.



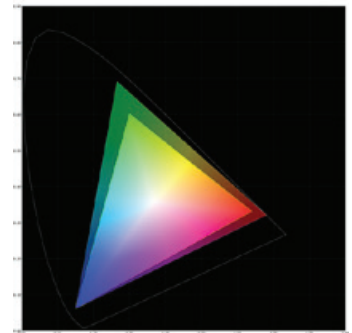
Cisco Compatible Partner:

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.



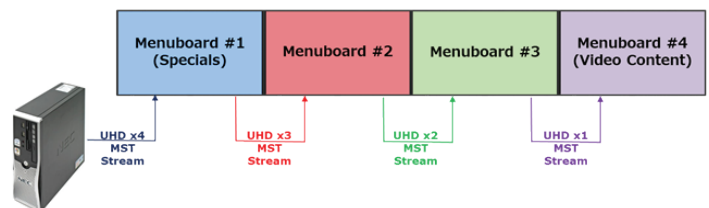
Wide Color Gamut Panel

The new MA series products contain fully commercial Wide Color Gamut panels allowing for a broader range of viewable colors when compared to a traditional commercial grade panel. This, coupled with NEC's proprietary SpectraView Engine technology allows customers to have complete color control over their panel for industry-leading customization and control.



Enhanced Daisy Chain Capabilities

All MA series displays contain the ability to directly daisy chain both the HDMI and DisplayPort input signals. The DisplayPort daisy chain is enhanced due to DisplayPort 1.4 connectivity and HBR3 capabilities. This allows for Multi-Stream Transport capabilities that 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. This allows for up to 4 independent content pieces to be driven off of a single source - ideal for menuboard and retail applications*



*MST capabilities depends on the video card driving the system.

Multi Picture Mode

NEC MultiSync MA series displays can support multiple simultaneous images at the same time through Multi Picture Mode. This, in conjunction with SpectraView Engine Technology, can allow for each separate image to even have different defined color settings if necessary. This means that each part of the display can be optimized for the type of content that's being displayed.

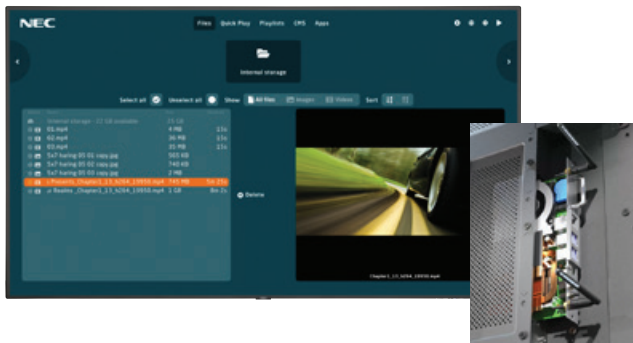


Professional Modularity

The MA 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 MA 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 MA 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 MA 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



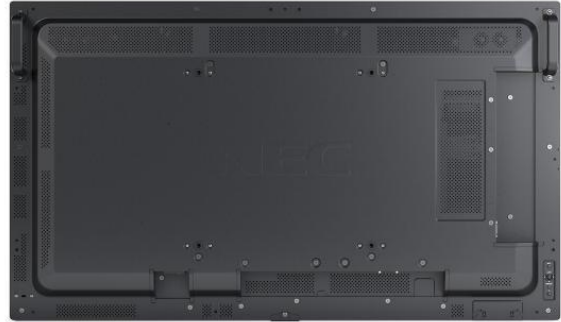
MA Series



First Detect



Datasheet



Meticulously powerful signage

When true-to-life colour rendition is essential, the MA Series' advanced feature set delivers calibrated precision, without compromise. For specialist applications, the wide colour gamut panel, SpectraView engine technology and 8K signal processing, positions the MA series at the high end of professional content delivery.

The MA series' modular design includes Intel® Smart Display Module (Intel® SDM) technology integrated into the display, facilitating powerful media playback for the most intuitive signage creation and delivery. Featuring an integral audio amplifier, multi-picture mode technology and extensive connectivity including video out, the MA series offers versatile functionality for corporate signage and prestige retail applications.

Benefits

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

Wide colour gamut – high-performance panel technology delivers a wider spectrum of colours for a superb visual experience

Safe for public environments – a metal back cover and intelligent heat management ensure safe use in public spaces where fire-retardancy is mandatory

Enhanced imaging performance – advanced settings of all relevant visual parameters allow full control of brightness, colour, gamma and uniformity via the SpectraView Engine for precise, natural images.

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.

Sharp/NEC Infrared Touch Screen Displays

About the Infrared Solution

Sharp/NEC's line of Infrared (IR) 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. IR technology allows for incredibly reliable touch performance while creating an integrated look and feel. Fully HID compliant design means that this overlay will work with all major platforms including Mac, Android, Chrome, and Windows. Protective AR glass and a steel chassis protect the display from the abuses in high traffic areas. Our IR overlay's modular design allows for future proofing of installations.



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 compatibility 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"



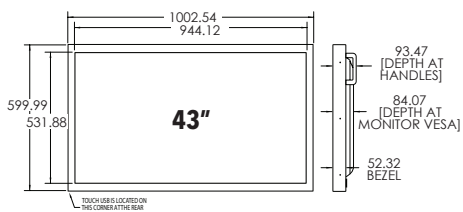
65"



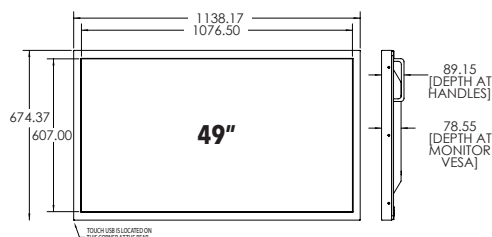
Part Number		M431-IR, MA431-IR, P435-IR	M491-IR, MA491-IR, P495-IR	M551-IR, MA551-IR, P555-IR	M651-IR
Glass	SIZE	43"	49"	55"	65"
	Protective Glass	4mm Anti-Reflective Cover Glass			
Touch	Technology	Infrared			
	Touch Points	10 Point (limitations with MacOS, Linux, and Android)			
	Response Time	16ms			
	Touch Accuracy	+/- 1.5mm (Over 99% Area)			
	Interface	Type A USB			
	Communication	USB 2.0			
Power Supply Mode		Single USB connection (5v, 1A)			
Runtime		24/7			
Aspect Ratio		16:9			
Orientation		Portrait / Landscape			
Width/Height/Depth Including Monitor		39.47 x 23.62 x 3.68 in. / 1002.54 x 599.99 x 93.47 mm	44.81 x 26.55 x 3.51 in. / 1138.17 x 674.37 x 89.15 mm	50.16 x 29.57 x 3.5 in. / 1274.15 x 751.15 x 89.048 mm	58.93 x 34.41 x 3.64 in. / 1496.95 x 873.95 x 92.56 mm
Total Net Weight		63 lbs. / 28.64 kg.	76.1 lbs. / 34.59 kg.	91.6 lbs. / 41.55 kg.	134.3 lbs. / 61.05 kg.
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		
	Output Terminals	Data	USB 2.0 (5V/2A, Media Player)		
		Digital	N/A		
		Analog	N/A		
		Audio	3.5mm Mini Jack		
External Control	N/A				
Supported Operating Systems		OS Windows 10, 8, 7, Ubuntu 12.04, Linux, Android, Chrome OS Mas OS X Yosemite (multitouch 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

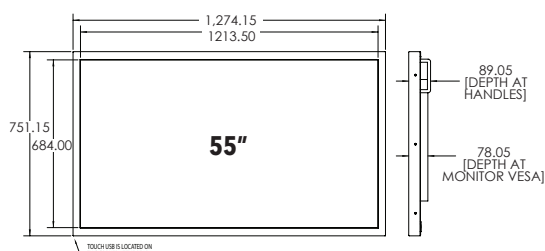
M431-IR, MA431-IR, P435-IR



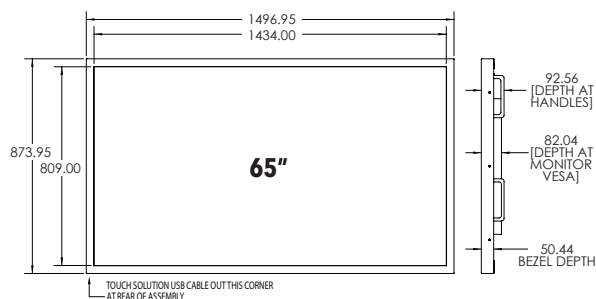
M491-IR, MA491-IR, P495-IR



M551-IR, MA551-IR, P555-IR



M651-IR



Dimensions shown in mm

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