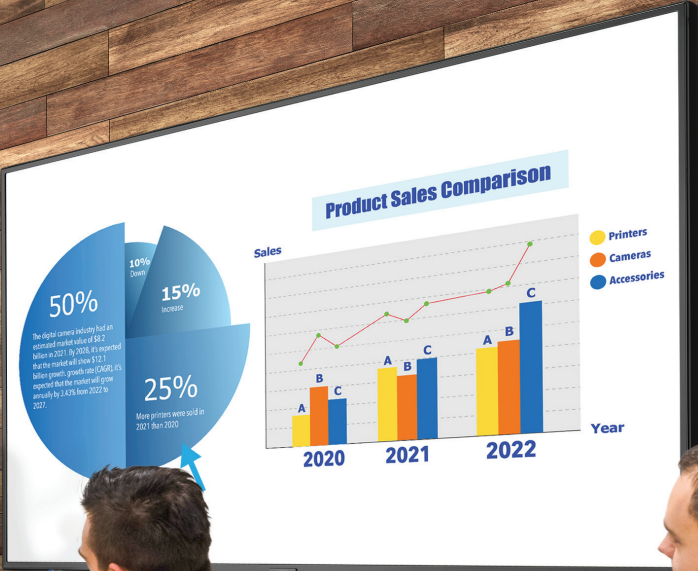# NEC MultiSync® Large M Series Large Format Displays

75" Professional Display Ideal for Corporate Conferencing and Digital Signage

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

Masterfully Crafted for Impactful Messaging

Create pixel perfect imagery with the high-end panel quality of the new fully professional large-sized NEC M series large format displays. By implementing premium features and focusing on creating impressionable presentation and digital signage experiences, the M series gives customers and elite display option. 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 M series boasts 500 cd/m² brightness which is ideal for a majority of high end presentaion applications in corporate, command and control, higher education and healthcare 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 large M series lineup, imagery and messaging can become more vivid and lifelike than ever before!

Critical Color Control

The large sized M series panels contain professional color control through proprietary Spectraview Engine technology. Spectraview Engine not only allows for 6-axis color trim functionality of RGBCYM for Hue, Offset and Saturation adjustments but it can also allow for up to 5 different programmable picture modes to be saved and recalled when necessary. These picture modes can have individual CIE Color settings, intensity, gamma and white point settings if necessary.
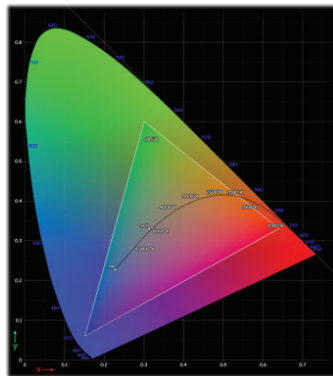
Cisco Compatible Partner:

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.

Enhanced Daisy Chain Capabilities

Large M 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. On top of this, simultaneous output and signal conversion through dual daisy chain functionality can allow for immediate source switching if multiple displays are needed to be used at once. LAN daisy chain functionality can used to tie displays together from a control perspective.

IN		OUT
HDMI		HDMI
DP		DP
		HDMI (*)
SDM	DP	DP
	DP	HDMI (*)
	TMDS	HDMI
RPi	HDMI	HDMI
LAN1		
RS-232C		LAN2
IR		

*DP to HDMI Convert function needs to be enabled to convert the displayport signal to TMDS in order to use the HDMI output

Multi Picture Mode

NEC large sized MultiSync M 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.
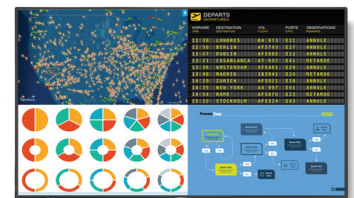
Full Commercial Build

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. Newly designed mechanical build focused on maintaining reliability while reducing the overall weight of each model compared to predecessor models. These units are up to 27% lighter than the previous models.

Professional Modularity

The M series gives customers everything they need for their digital signage or presentation 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. 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!
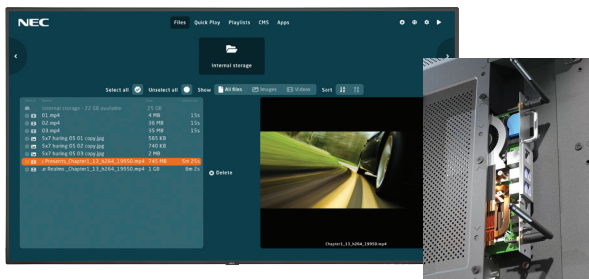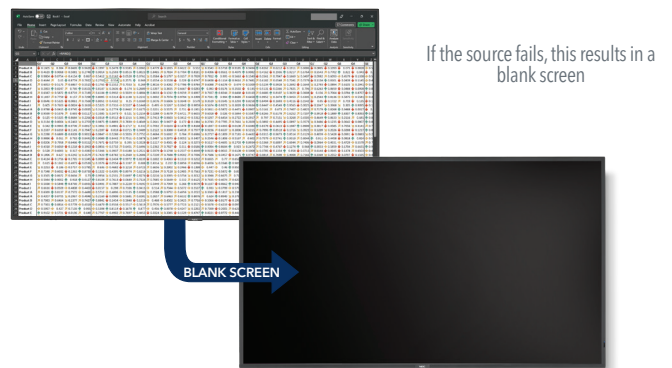
NaViSet Administrator

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.
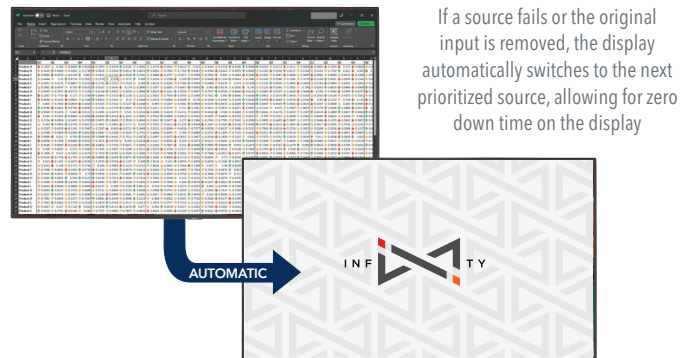
Input Detect Functionality

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.
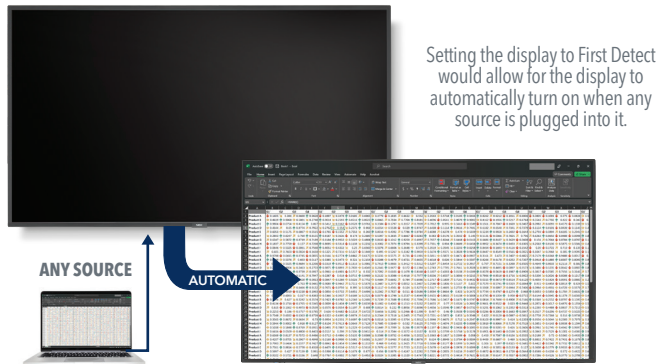
Typical Display

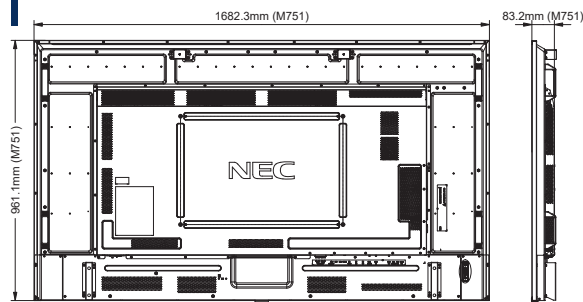If the source fails, this results in a blank screen

Large M Series

If a source fails or the original input is removed, the display automatically switches to the next prioritized source, allowing for 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.

MODEL		MultiSync M751
LCD MODULE	Panel Technology	
	Viewable Image Size	75"
	Native Resolution	3840 x 2160
	Brightness (Typical)	500 cd/m²
	Contrast Ratio (Typical)*	≥8000:1
	Viewing Angle	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10
	Aspect Ratio	16:9
	Displayable Colors	Over 1.07 Billion (10bit)
	Orientation	Landscape and Portrait (CCW Rotation)
	Panel Haze (%)	28 (Professional)
CONNECTIVITY	Input Terminals	
	Digital	HDMI 2.0 x2 (HDMI1 supports ARC), DP 1.4 x2
	Analog	N/A
	Audio	Digital Audio through HDMI x2, Option (SDM), Compute Module and DP x2
	External Control	LAN (100Mbit), 3.5mm Mini Jack IR Remote, RS-232C
	Data	USB 2.0 x2 (1x 5V/2A and Service, 1x Downstream Port), USB Type B (Upstream Port and Software)
	Output Terminals	
	Digital	HDMI x1 (outputs HDMI1, HDMI2 and Option), DisplayPort x1 (Outputs DP1, DP2 and Option**)
	Analog	N/A
	Audio	3.5mm Mini Jack, External Speaker Jack (15W x 2)
	External Control	LAN (100Mbit)
POWER CONSUMPTION	On (Typ/Max Brightness/ All Max)	205W/275W/410W
	Network Standby	2W
	Normal Standby	0.5W
	Current Rating	4.9A - 2.0A @ 100V - 240V
	Speaker Rating	Integrated 10W x 2, Optional through SP-RM3
PHYSICAL SPECIFICATIONS	Bezel Width (L/R, T/B)	14.3mm/14.3mm/14.3mm/14.8mm
	Net Dimensions (Without stand; W x H x D)	66.2 x 37.8 x 3.3in. 1682.3 x 961.1 x 83.2mm
	Net Weight (kg / lbs)	38.2kg / 84.2lbs.
	VESA Hole Configuration	600mm x 400mm (M8)
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, CEC Support through HDMI, Crestron Roomview Support, Display Browser Control, Display Wall Calibrator Compatible, HDR Support (PQ, HLG, HDR10), Key Guide, NaViSet Administrator 2 Compatible, OSD Rotation for Portrait Orientation, SDM Compatible, PJ Link Support, Powered USB Port (5V/2A), Raspberry Pi Compute Module 4 Compatible, Low Latency Mode, Removeable Logo Ornament, Real Time Clock, Local Dimming, Pivot Feature, G-Sensor, Metal Chassis, New Remote Control Design, Multi Picture Mode (Up to 4 Simultaneous Displays), SpectraView Engine Technology, Quick Input Change, Dual Daisy Chain, Quick Start, Internet Time Server, Auto ID/IP Settings, Energy Star 8.0
SHIPS WITH		3.0m Power Cable, IR Remote Control, 3.0m HDMI Cable, AAA Batteries x2, Setup Manual
Optional Speakers		SP-RM3
Optional Stand		ST-801
Other Accessories		ATSC/NTSC SDM Tuner (DS1-TM01), All SDM PC's (SDM-VI5W-PS, SDM-VI3W-IS, SDM-VICW-IS), 12G-SDI SDM Module (SDM-12GSDI), HDBaseT SDM Module (SDM-HDBT), SDM Raspberry Pi Compute Module 4 with optional NEC Interface Board (MPi4E or MPi4W), Human Sensor (KT-RC3)

*Out of the box conditions, local dimming ON

**Depends on SDM module that is utilized

1682.3mm (M751)   83.2mm (M751)
961.1mm (M751)

Optional Modules (Non PC)

SDM-HDBT (HDBaseT Receiver)

SDM-12GSDI (12G-SDI Card)

DS1-TM01 (ATSC/NTSC Tuner)

MPi4E/W (Raspberry Pi Media Player)

Tabletop Stand/Speakers

ST-801

SP-RM3

Wall Mount

WMK-7598T

Bottom Panel
1 2 3 4 5 6 7 8 9 10   11 12 13 14
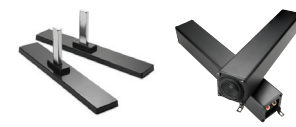
Input Panels

1. External Speaker Terminal
2. Audio Mini Jack Out
3. LAN1 (Control IN)
4. LAN2 (Control OUT)
5. IR In
6. DisplayPort IN1
7. DisplayPort IN2
8. DisplayPort Out
9. HDMI IN1 (ARC)
10. HDMI IN2
11. HDMI Out
12. USB-A (Hub/0.5A – Downstream Port)
13. USB-B (Control/Software – Upstream Port)
14. USB-A (Service/2A)
15. RS232C IN

Side Panel
15

CRESTRON CONNECTED

webex by Cisco Certified

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

ENERGY STAR

AMX

Sharp NEC Display Solutions of America
www.sharpnecdisplays.us