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!

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

M Series

If the source fails, 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.

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!
M431/M491/M551/M651 Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>43”</th>
<th>49”</th>
<th>55”</th>
<th>65”</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Panel Technology</strong></td>
<td>IPS</td>
<td>IPS</td>
<td>IPS</td>
<td>IPS</td>
</tr>
<tr>
<td><strong>Viewable Image Size</strong></td>
<td>3840 x 2160</td>
<td>3840 x 2160</td>
<td>3840 x 2160</td>
<td>3840 x 2160</td>
</tr>
<tr>
<td><strong>Native Resolution</strong></td>
<td>3840 x 2160</td>
<td>3840 x 2160</td>
<td>3840 x 2160</td>
<td>3840 x 2160</td>
</tr>
<tr>
<td><strong>Brightness (Typical/Minimum)</strong></td>
<td>500 cd/m²</td>
<td>500 cd/m²</td>
<td>500 cd/m²</td>
<td>500 cd/m²</td>
</tr>
<tr>
<td><strong>Contrast Ratio (Typical)</strong></td>
<td>≥8000:1</td>
<td>≥8000:1</td>
<td>≥8000:1</td>
<td>≥8000:1</td>
</tr>
<tr>
<td><strong>Viewing Angle</strong></td>
<td>178° Vert., 178° Hor.</td>
<td>178° Vert., 178° Hor.</td>
<td>178° Vert., 178° Hor.</td>
<td>178° Vert., 178° Hor.</td>
</tr>
<tr>
<td><strong>Aspect Ratio</strong></td>
<td>16:9</td>
<td>16:9</td>
<td>16:9</td>
<td>16:9</td>
</tr>
<tr>
<td><strong>Color Gamut</strong></td>
<td>68% NTSC</td>
<td>68% NTSC</td>
<td>68% NTSC</td>
<td>68% NTSC</td>
</tr>
<tr>
<td><strong>Displayable Colors</strong></td>
<td>Over 1.07 Billion (10bit)</td>
<td>Over 1.07 Billion (10bit)</td>
<td>Over 1.07 Billion (10bit)</td>
<td>Over 1.07 Billion (10bit)</td>
</tr>
<tr>
<td><strong>Orientation</strong></td>
<td>Landscape and Portrait (CCW Rotation)</td>
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<td>Landscape and Portrait (CCW Rotation)</td>
</tr>
<tr>
<td><strong>Panel Haze (%)</strong></td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
</tr>
</tbody>
</table>

**CONNECTIVITY**

**Input terminals**
- **Digital**
  - HDMI 2.0 x2
- **Analog**
  - N/A

**Output terminals**
- **Digital**
  - N/A
- **Audio**
  - 3.5mm Mini Jack

**Power Consumption**
- **On** (Typ/Max Brightness/All Max)
  - M431: 80W/95W/175W
  - M491: 95W/115W/225W
  - M551: 110W/140W/250W
  - M651: 120W/150W/260W
- **Network Standby**
  - 2W
- **Normal Standby**
  - <0.5W

**Physical Specifications**
- **Bezel Width** (L/R, T/B)
  - M431: 11.0mm, 12.5mm, 12.0mm
  - M491: 11.0mm, 12.5mm, 12.0mm
  - M551: 11.0mm, 12.5mm, 12.0mm
  - M651: 11.0mm, 12.5mm, 12.0mm
- **Net Dimensions** (Without stand: W x H x D)
  - M431: 38.1 x 22.1 x 2.6 in.
  - M491: 968.2 x 561.0 x 67.1mm
  - M551: 43.4 x 25.1 x 2.4 in.
  - M651: 1103.4 x 713.0 x 61.1mm
- **Net Weight** (Without Stand)
  - M431: 17.5kg / 38.6lbs
  - M491: 21.8kg / 48.1lbs
  - M551: 26.4kg / 58.2lbs
  - M651: 37.1kg / 81.8lbs

**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 40°C
- **Operating Humidity**
  - 20-80%
- **Operating Altitude**
  - Up to 3000m (9843ft)

**Limited Warranty**
- 3 years Advanced Replacement

**Additional Features**
- AMX Support, Automated Email Alert Function, ARC Support through HDMI, Creston RoomView Support (FW Update), Display Browser Control, Display Wall Calibrator Compatible, HDR Compatible (PQ, HLG, HDR10), Key Guard, NaViSet Administrator 2 Compatible, USB Port for Remote Orientation, Accepts InterVeK (COMS or SDM), RJ-45 Interface, Power USB (Power Port (5V/2A), Raspberry Pi Compute Module 4 compatible, Removable De-Crumm Ornament, Real Time Clock, Local Dimming, TelMatix, Cisco WebEx Compatible, SNMP Consumer Electronics Control (GEC), Integrated USB Media Player, Integrated Temperature sensor, Full Input Detect Functionality, Integrated Ambient Light Sensor, Programmable Gamma, Energy Star 8.0, Scheduler Function, Off Timer, Vacation Switch

**Other Accessories**
- All SDM Option Cards, Raspberry Pi Compute Module 4 with optional NEC Interface Board, Human Sensor (KT-RC3)

*Out of the box conditions, local dimming ON

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**Tabletop Stand**
- ST-43M (M431/M491/M551)
- ST-65M (M651 - not pictured)

**Wall Mount**
- WMK-3298T

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