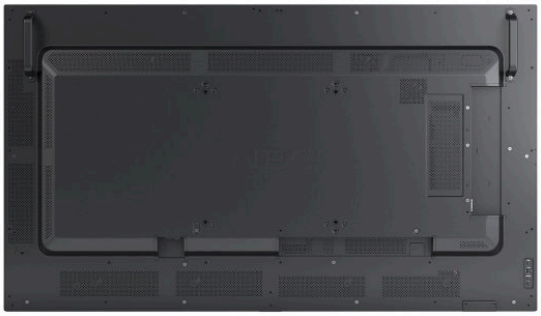
LCD 55" Message Large Format Display

NEC MultiSync® M551



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.

Specifications

Product Information

Product Name
NEC MultiSync® M551

Product Group
LCD 55" Message Large Format Display

Order Code
60005055

Display

Panel Technology
IPS with Edge LED backlights

Screen Size [inch/cm]
55 / 138.8

Aspect Ratio
16:9

Brightness [cd/m²]
500

Contrast Ratio
≥ 8000:1 [1]

Viewing Angle [°]
178 horizontal / 178 vertical (typ. at contrast ratio 10:1)

Colour Depth [bn]
1.076 (10bit)

Response Time (typ.) [ms]
8

Panel Refresh Rate [Hz]
60

Haze Level [%]
Pro (28)

Supported Orientation
Face Up [2]; Landscape; Portrait

Resolution

Native Resolution
3840 x 2160

Supported Resolutions

1024 x 768;	1400 x 1050;	1920 x 1080;
1280 x 1024;	1440 x 900;	1920 x 2160;
1280 x 720;	1600 x 1200;	3840 x 2160;
1360 x 768;	1650 x 1050;	4096 x 2160
1366 x 768;	1900 x 1200;	

Synchronisation Rate

Horizontal Frequency [kHz]
15 - 136

Vertical Frequency [Hz]
23 - 86

Connectivity

Input Video Digital
1 x DisplayPort (with HDCP); 2 x HDMI (with HDCP)

Input Audio Digital
1 x DisplayPort; 2 x HDMI

Input Control
LAN 100Mbit; remote control wire (3,5mm jack); RS232

Input Data
1 x USB 2.0 (MediaPlayer)

Output Audio Analogue
1 x 3,5 mm jack

Input Detect
Custom; First; Last

Open Modular Intelligence

Intel® SDM
accepts Intel® Smart Display Modules Large and Small up to 66 W

Compute Module Slot
RPi Compute Module 4

Sensors

Ambient Light Sensor
Integrated, triggered actions programmable

Temperature Sensor
Integrated, 3 sensors, triggered actions programmable

Electrical

Power Consumption [W]
110 shipping

Power Savings Mode [W]
< 0.5; < 2 (Networked Standby)

Power Management
VESA DPMS

Power Supply
100-240 V AC; 50/60 Hz; internal

Environmental Conditions

Operating Temperature [°C]
+0 to +40

Operating Humidity [%]
20 to 80

Storage Humidity [%]
10 to 90

Storage Temperature [°C]
-20 to 60

Mechanical

Dimensions (W x H x D) [mm]
1,239.6 x 713 x 61.1

Weight [kg]
26.4

Bezel Width [mm]
12 (top); 12.5 (left/right); 15.6 (bottom)

VESA Mounting [mm]
300 x 300 (FDMI); 4 holes; M6

Ingress Protection
IP5x (front); IP2x (back)

Packaging Dimensions (W x H x D) [mm]
1,430 x 920 x 250

Packaging Weight [kg]
36.47

Colour Bezel
Pantone 426M (black)

Material
Metal

MediaPlayer

Supported File Storage / File System
USB 2.0 / FAT16, FAT32

Supported Image Formats
JPG (baseline, progressive, RGB, CMYK); max. resolution 15360 x 8640

Supported Video Formats
MPG (MPEG1/2/4, max res 1080p@30Hz); MP4 (MPEG2/4, H.263, H.264, HEVC/H.265, max res 3840x2160@60Hz); TS (MPEG2, H.264, HEVC/H.265, max res 3840x2160@60Hz); audio: LPCM, MP3, AAC; WMV (video H.264, Windows Media Video 9, max res 1080p@30Hz, audio WMA 9, WMA 10 Pro)

Supported Audio Formats
MP3 (MP3); max. bit-rate 320 kBit/s

Available Options

Accessories
Feet (ST-43M); Presence Sensor (KT-RC3); Soundbar (active: SP-ASCM-IQ2 / SP-ASCM-2); Speaker (SP-RM3a); Trolley (PD04-Tipster Trolley); Wall mount (PDW S 32-65 L, PDW S 32-65 P)

Regulatory

Safety and Ergonomics
BSMI; CE; EAC; EMC Class B; Energy Star 8; FCC Class B; KC/KCC; PSB; RCM; RoHS; VCCI

Pixel Failure Class
ISO 9241-307, Class 1

Resistance to Fire
Metal backcover, plastic material certified acc. to UL94-5VB

Green Features

Energy Efficiency
Energy Consumption: 100 kWh/1000 h; Energy Efficiency Class: G; LED Backlight

Ecological Standards
EnergyStar 8.0

3rd Party Certifications

Crestron
Certified for Crestron Connected

Additional Features

Special Characteristics
DICOM Simulation; HDMI ARC; Powered USB Port (10 W); Removable Logo

Audio
Integrated Speakers (10 W + 10 W)

Shipping Content
2x AAA batteries; Display; HDMI Cable; Power Cable; Remote Control; Setup Manual

Warranty
3 years warranty incl. backlight; additional services available; optional 4. + 5. year warranty extension [3]

Operating Hours
24/7

External Control
AMX NetLinx Support; ASCII Control Commands; Crestron Connected; HDMI CEC; HTTP Browser; PJLink; Scheduled Timer; SNMP

Remote Management
Automated Email Alerts; NaViSet Administrator 2

Security
Disable HW Buttons; Disable IR Functionality; Emergency Notification

[1] out of the box conditions, local dimming ON

[2] adjusted usage conditions for face up/down installations, please refer to operational guidelines or contact our support

[3] please refer to terms and conditions of warranty extensions

CE VCCI RCM FCC Class B RoHS

This document is © 2026 Sharp Display Solutions Europe GmbH.

All rights reserved in favour of their respective owners. All hardware and software names are brand names and/or registered trademarks of the respective manufacturers. All specifications are subject to change without notice. Errors and omissions are excepted. 14.11.2026