

Sharp Signage Display

# SHARP MULTISYNC® M502 LCD 50" MESSAGE LARGE FORMAT DISPLAY



The versatile solution for professional display applications, the Sharp MultiSync® M2 Series (32" up to 98") is purpose-built for demanding signage and meeting room environments.

- Seamless meeting workflows – a single USB-C cable transmits video, data, and power for instant, clutter-free meeting setups. As the established standard for modern collaboration spaces, USB-C supports frictionless BYOD experiences.
- Unhindered readability – a high-haze panel reduces glare from windows and ambient light, keeping signage content and presentations clear for uninterrupted viewing in any environment.
- Security assured – 802.1x support over LAN enables high-level security for corporate networks, giving peace of mind for IT teams and enterprise environments.
- Enhanced imaging precision – when brand consistency and corporate identity are important, NEC's SpectraView Engine provides full control over colour, gamma, and uniformity for accurate and impactful content.
- Broad AV compatibility – fully interoperable with leading meeting room platforms including Crestron (XiO Cloud), Cisco Webex, Q-Sys, and Microsoft Teams, ensuring effortless integration and future-proof scalability.

# Specifications

## Panel Data

Panel Response Time (ms)	8
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## Key Specifications

Special Characteristics	CEC Support, DICOM Simulation, Clone Settings, HDMI ARC, Scheduler
24/7 Operation Certified	True
Built in Speakers (W)	10 + 10
Power Management	True
Temperature Sensor	True
Brightness Sensor	True
Remote Management	True
Operating Time	24/7

## Power Supply and Operating Environment

Operating Voltage (ACV)	100-240
Frequency (Hz)	50-60
Via AC Adapter	True
Operating Voltage (DCV)	100-240
Operating Temperature (°C)	0 - 40
Storage Temperature (°C)	-20 - 60
Storage Humidity Min [%]	10
Storage Humidity Max [%]	80
Power Saving Mode (W)	< 2 (Networked Standby)
Battery	< 0.5 (ECO Standby)

## Resolution

Supported Resolution	1024 x 768 , 1920 x 1200, 1400 x 1050, 1366 x 768, 720 x 480, 720 x 400, 720 x 576, 1360 x 768, 3840 x 2160, 4096 x 2160, 1680 x 1050, 1280 x 720, 800 x 600, 640 x 480, 1920 x 1080, 1600 x 1200, 1280 x 1024, 1440 x 900, 1280 x 800
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## Weights and Measures

Shipping Carton Dimensions (Width) mm	1245
Shipping Carton Dimensions (Height) mm	785
Shipping Carton Dimensions (Depth) mm	188
Shipping Weight (Kg)	23

## Display

Screen Size (inch)	50
Screen Size (cm)	126
Colour Gamuts	72% NTSC

## Mechanical

Bezel Width (Left/Right) [mm]	11
Bezel Width (Upper) [mm]	11
Bezel Width (Lower) [mm]	14

## Synchronisation Rate

Horizontal Frequency [kHz]	15 - 135
Vertical Frequency [Hz]	23 - 76

## Electrical

Power Consumption on Mode [W]	85 (shipping)
Power Supply	100-240 V

## Touch Interface Specification

Haze Level [%]	Pro 25
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## Display Module Data

Panel Technology	VA with Direct LED backlights
Native Resolution (Pixels)	3840 x 2160
Aspect Ratio	16:9
Brightness (cd/m <sup>2</sup> )	550
Contrast Ratio	8000:1
Pixel Pitch (mm)	0.285
Viewing Angle (°)	178
Colour Depth [bn]	1073 (10bit)
Active Screen Area (H/V) mm	1095 x 616
Response Time (typ.) [ms]	8

## Additional Features

Colour Versions	Black Back Cabinet, Black Front Bezel
Safety and Ergonomics	EMC Class B, UKCA, ISO 9241-307 (pixel failure class I), RoHS, UL/CSA, FCC Class B, CE, EnergyStar 8.0, REACH
Warranty	optional 4th to 5th year warranty extension, Additional services available, 3 years warranty incl. backlight

## Installation

Portrait Installation	True
Landscape Installation	True
Landscape	True
Portrait	True
Mounting (VESA mm)	300 x 300 (FDMI)
Mounting (Number of Points/Pitch)	4
Mounting Screw Specification (Size/Max Length)	M6
Face up	True

## Accessories

Accessories	Eco Sensor, Feet, Soundbar, Wall mount, USB-C cable, Trolley, Speaker, Remote control kit
Shipping Content	Power Cable, Remote Control, HDMI Cable, 2 x AAA batteries, Setup Manual, Display

## Green Features

Energy Efficiency	Energy consumption: 81 kWh/1000 h, LED backlight technology, Energy efficiency class: G
Ecological Standards	Energy Star 8.0

## Connectivity

Digital	DisplayPort, DisplayPort out, HDMI, USB Type C
Output Control	LAN 100Mbit

## Ergonomics

Landscape Dimensions (Width) [mm]	1122
Landscape Dimensions (Height) [mm]	645
Landscape Dimensions (Depth) [mm]	67

## Environmental Conditions

Operating Humidity (min) [%]	20
Operating Humidity (max) [%]	80

## Projectors

Weight (kg)	18
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