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

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)

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

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

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

Display Module Data

Panel Technology	VA with Direct LED backlights
Native Resolution (Pixels)	3840 x 2160
Aspect Ratio	16:9
Brightness (cd/m²)	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/C-UL or 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

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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