

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 |
|--------------------------|---|

Accessories

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|------------------|---|
| 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 |

Display Module Data

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|---------------------------------|-------------------------------|
| Panel Technology | VA with Direct LED backlights |
| Native Resolution (Pixels) | 3840 x 2160 |
| Aspect Ratio | 16:09:00 |
| Brightness (cd/m ²) | 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

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|-----------------------|---|
| 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 |

Weights and Measures

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

Touch Interface Specification

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|----------------|--------|
| Haze Level [%] | Pro 25 |
|----------------|--------|

Synchronisation Rate

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

Connectivity

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

Environmental Conditions

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

Ergonomics

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

Projectors

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|-------------|----|
| Weight (kg) | 18 |
|-------------|----|

Installation

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|--|------------------|
| 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 |

Key Specifications

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|--------------------------|--|
| 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

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|----------------------------|-------------------------|
| 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) |

Display

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

Resolution

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|----------------------|--|
| 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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Electrical

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

Mechanical

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

Green Features

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

