

Large Format Display - Message

# Sharp MultiSync® M552



## Built to perform, designed to last

- 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.

## Options

IoT and Asset Management

**NaViSet Administrator 2** Sharp/NEC’s software suite that provides monitoring, asset management and control functionality for display devices  
Sharp/NEC’s software suite that provides monitoring, asset management and control functionality for display devices.

**PD Comms Tool Test** tool to quickly diagnose communication issues remotely  
Test tool to quickly diagnose communication issues remotely.

**Firmware Update Tool** Utility to assist with updating the firmware of dedicated Sharp/NEC large format and desktop displays  
Utility to assist with updating the firmware of dedicated Sharp/NEC large format and desktop displays.

Speakers and Soundbars

**PN-ZCMS1 All-in-one collaboration videobar** incl  
All-in-one collaboration videobar incl. speaker, microphone and camera.

**SP-RM3a Active high-end speaker** for dedicated Sharp/NEC large format displays  
Active high-end speaker for dedicated Sharp/NEC large format displays.

**Soundbar bracket TOP SB-T02 Soundbar bracket** for MultiSync® MExx2, M551, M652, M751/2, M861/2, M981/2, E758, E868, E988, P556, P656 and P756  
Soundbar bracket for MultiSync® MExx2, M551, M652, M751/2, M861/2, M981/2, E758, E868, E988, P556, P656 and P756.

Cables

**USB-C 5M 5m USB Type-C cable**  
5m USB Type-C cable

**USB-C 7M 7m USB Type-C cable**  
7m USB Type-C cable

Sensors

**Sharp KTES1 ECO Sensor** for dedicated Sharp large format displays  
ECO Sensor for dedicated Sharp large format displays.

Warranty Extensions

**2nd Life Warranty Extension for Large Format Displays (Eco Prime) Optional Second-life warranty (3 years)** for dedicated Sharp Large Format and Interactive Displays  
Optional Second-life warranty (3 years) for dedicated Sharp Large Format and Interactive Displays

**2nd Life Warranty Extension for Large Format Displays (Eco Value+) Optional Second-life warranty (1 year)** for dedicated Sharp Large Format and Interactive Displays  
Optional Second-life warranty (1 year) for dedicated Sharp Large Format and Interactive Displays

**2nd Life Warranty Extension for Large Format Displays (Eco Select) Optional Second-life warranty (2 years)** for dedicated Sharp Large Format and Interactive Displays  
Optional Second-life warranty (2 years) for dedicated Sharp Large Format and Interactive Displays

**Warranty Extension for Large Format Displays and Computing Solutions Optional Warranty Extension (4th to 5th year)** for dedicated Sharp Large Format Displays and Computing Solutions  
Optional Warranty Extension (4th to 5th year) for dedicated Sharp Large Format Displays and Computing Solutions

Interfaces and Adapters

**SDM HDBaseT Receiver Slot-in board** for video signal transmission up to 150m through a single network cable  
Slot-in board for video signal transmission up to 150m through a single network cable

**SDM 12G SDI Receiver Slot-in board** for transmission of uncompressed and unencrypted video signals in UHD resolution  
Slot-in board for transmission of uncompressed and unencrypted video signals in UHD resolution

Computing Midrange

**SDM Slot-In PC Midrange (RPL) SDM slot-In PC (Intel® U300E, 5 Cores) for any midrange signage application**  
SDM slot-In PC (Intel® U300E, 5 Cores) for any midrange signage application

**SDM Slot-In PC Midrange (ADL) Intel® SDM slot-In PC for any midrange signage applications**  
Intel® SDM slot-In PC for any midrange signage applications

**SDM BrightSign Built-In Player Power, flexibility and future-ready performance, without compromise**  
Power, flexibility and future-ready performance, without compromise.

Calibration and Adjustment

**Display Wall Calibrator Automatic adjustment of colour and brightness**  
Automatic adjustment of colour and brightness.

Value Added Services

**De-/Re-install Service for Large Format Displays Optional De-/Re-install Service (1st to 3rd year or 1st to 5th year) for dedicated Sharp Large Format Displays**  
Optional De-/Re-install Service (1st to 3rd year or 1st to 5th year) for dedicated Sharp Large Format Displays

**Laser Branding Optional Laser Branding Service** for dedicated Sharp Display Products  
Optional Laser Branding Service for dedicated Sharp Display Products

**Support+ Optional additional services (1st to 3rd year) for dedicated Sharp Display Products**  
Optional additional services (1st to 3rd year) for dedicated Sharp Display Products

Mounting Options

**Trolley PD02MHA High-end motorised and height-adjustable mobile stand for dedicated Sharp/NEC large format displays (48" to 98")**  
High-end motorised and height-adjustable mobile stand for dedicated Sharp/NEC large format displays (48" to 98").

**Wall Mount L20PNWALL90EU Universal X-Large flat wall mount for dedicated Sharp/NEC interactive large format displays (50" to 90")**  
Universal X-Large flat wall mount for dedicated Sharp/NEC interactive large format displays (50" to 90").

**Trolley Ever 350 Mobile High-end mobile trolley for dedicated Sharp/NEC large format displays (50" to 98")**  
High-end mobile trolley for dedicated Sharp/NEC large format displays (50" to 98").

**Trolley EVER 350 Mobile Motor High-end mobile trolley offering motorised height-adjustability for dedicated Sharp/NEC large format and interactive displays (50" to 98")**  
High-end mobile trolley offering motorised height-adjustability for dedicated Sharp/NEC large format and interactive displays (50" to 98").

**Wall Mount PDW T XL-2 Universal X-Large wall mount with tilt function for dedicated Sharp/NEC large lormat displays (55" to 65")**  
Universal X-Large wall mount with tilt function for dedicated Sharp/NEC large lormat displays (55" to 65").

**Trolley PD04 Tipster Stylish and flexible mounting system for dedicated Sharp/NEC large format displays**  
Stylish and flexible mounting system for dedicated Sharp/NEC large format displays.

**Wall Mount PDW S 32-65 L Universal wall mount for dedicated Sharp/NEC large format displays (32" to 65")**  
Universal wall mount for dedicated Sharp/NEC large format displays (32" to 65"). Landscape orientation.

**Wall Mount PDW S 32-65 P Universal wall mount for dedicated Sharp/NEC large format displays (32" to 65")**  
Universal wall mount for dedicated Sharp/NEC large format displays (32" to 65"). Portrait orientation.

Video Wall Options

**Remote Control Kit - KT-RC3 IR/Remote Control Kit for dedicated Sharp/NEC large format displays**  
IR/Remote Control Kit for dedicated Sharp/NEC large format displays.

Computing Essential

**MPI4 Kit powered by Raspberry Pi Slot-in computing moduie based on the Raspberry Pi Compute Module 4**  
Slot-in computing moduie based on the Raspberry Pi Compute Module 4

**SDM Essential SDM slot-in PC (Intel® Elkhart Lake Atom) optimised for essential signage applications**  
SDM slot-in PC (Intel® Elkhart Lake Atom) optimised for essential signage applications

**SDM MPI5 Kit powered by Raspberry Pi Fanless, silent operation designed for distraction-free environments, built specifically for continuous, dependable 24/7 operation in any orientation**  
Fanless, silent operation designed for distraction-free environments, built specifically for continuous, dependable 24/7 operation in any orientation.

Computing Enterprise

**SDM Slot-In PC Enterprise (RPL) SDM slot-In PC (Intel® CoRE i5) for demanding meeting room applications**  
SDM slot-In PC (Intel® CoRE i5) for demanding meeting room applications

Computing Advanced

**SDM Slot-In PC Advanced (RPL) SDM slot-in PC (Intel® Core i5) for any high-end signage application**  
SDM slot-in PC (Intel® Core i5) for any high-end signage application

# Specifications

## General

|            |                   |
|------------|-------------------|
| Series     | [sharp-m2-series] |
| Order Code | PNM552            |

## Display

|                                 |                                                             |
|---------------------------------|-------------------------------------------------------------|
| Active Screen Area Width (mm)   | 1209.6                                                      |
| Active Screen Area Height (mm)  | 680.4                                                       |
| Aspect Ratio                    | 16:9                                                        |
| Brightness (cd/m <sup>2</sup> ) | 550                                                         |
| Colour Depth                    | 1.073 (10bit)                                               |
| Colour Gamut                    | 72% of NTSC                                                 |
| Contrast Ratio                  | ≥ 8000:1                                                    |
| Haze Level (%)                  | Pro (25)                                                    |
| Panel Refresh Rate (Hz)         | 60                                                          |
| Panel Technology                | IPS with Direct LED backlights                              |
| Pixel Pitch (mm)                | 0.315                                                       |
| Screen Size (inch)              | 55                                                          |
| Screen Size (cm)                | 138.8                                                       |
| Supported Orientation           | Landscape, Portrait, Face Up                                |
| Viewing Angle                   | 178 horizontal / 178 vertical (typ. at contrast ratio 10:1) |

## Resolution

|                       |                                                                                                                                                                                                                                                                |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Native Resolution     | 3840 x 2160                                                                                                                                                                                                                                                    |
| Supported Resolutions | 720 x 480, 1920 x 2160, 640 x 480, 3840 x 2160, 1270 x 720, 1280 x 800, 1920 x 1080, 1680 x 1050, 720 x 576, 1600 x 1200, 1360 x 768, 720 x 400, 1366 x 768, 1920 x 1200, 1024 x 768, 1280 x 720, 800 x 600, 1440 x 900, 1400 x 1050, 1280 x 1024, 4096 x 2160 |

## Connectivity

|                    |                                                                                                     |
|--------------------|-----------------------------------------------------------------------------------------------------|
| Audio Output 3.5mm | Audio Output, Line Out                                                                              |
| DisplayPort In 1   | Video Input, UHD (60 Hz) DP 1.2, HDCP (2.2), Audio Input                                            |
| DisplayPort Out    | Video Output, UHD (60 Hz) DP 1.2, HDCP (2.2), Audio Output, Loop Through: DisplayPort IN, USB-C 2   |
| HDMI In 1          | Video Input, Audio Input, ARC, CEC, UHD (60 Hz) HDCP (2.2)                                          |
| HDMI In 2          | Video Input, UHD (60 Hz) HDCP (2.2), Audio Input, CEC                                               |
| HDMI Out           | Video Output, UHD (60 Hz) HDCP (2.2), Audio Output, Loop Through: HDMI IN 2, Option, Compute module |
| Input Detect       | Custom, Last, First                                                                                 |
| LAN 1              | 100 MBit/s                                                                                          |
| LAN 2              | 100 MBit/s                                                                                          |
| LAN 2 Loop Through | LAN 1, RS-232C, IR                                                                                  |
| PiP / PbP          | 2-Split, Scalable picture size                                                                      |
| Remote In (3.5mm)  | Eco Sensor (IR-Extender, Ambient and Presence)                                                      |
| RS-232C (bps)      | 9600                                                                                                |
| USB-A Service      | 2.5 W, Service                                                                                      |
| USB-A 1            | [usb-20-32], [45-w], Peripherals, USB Storage                                                       |
| USB-C 1            | Video Input, UHD (60 Hz), Audio Input, 65 W, HDCP (2.2), DP alt. 1.2, USB 2.0 / 3.2                 |
| USB-C 2            | Peripherals, Storage, USB 2.0 / 3.2, 7.5 W                                                          |

## Calibration

|                           |                                                                                   |
|---------------------------|-----------------------------------------------------------------------------------|
| Calibration Software      | Display Wall Calibrator                                                           |
| Calibration With Software | Gamma, Corner Uniformity, Intensity, Update Factory Calibration, RGB, White Point |
| Factory Calibration       | White Point, Uniformity, Gamma, RGB, Intensity                                    |

## Open Modular Intelligence

|                     |                                                                                                             |
|---------------------|-------------------------------------------------------------------------------------------------------------|
| Compute Module Slot | [accepts-intel-smart-display-modules-large-and-small-up-to-66], MPI4 and MPI5 Kit (powered by Raspberry Pi) |
|---------------------|-------------------------------------------------------------------------------------------------------------|

## Sensors

|                      |                                                       |
|----------------------|-------------------------------------------------------|
| Ambient Light Sensor | Integrated, triggered actions programmable            |
| Human Sensor         | optional via Eco Sensor (KTES1)                       |
| Temperature Sensor   | Integrated, 3 sensors, triggered actions programmable |

## Electrical

|                        |                                  |
|------------------------|----------------------------------|
| Power Supply           | 100-240 V AC, internal, 50/60 Hz |
| Power Savings Mode (W) | < 0.5, < 2.0 (Networked Standby) |

## Mechanical

|                                  |                           |
|----------------------------------|---------------------------|
| Bezel Width Bottom (mm)          | 13.9                      |
| Bezel Width Right (mm)           | 11                        |
| Bezel Width Left (mm)            | 11                        |
| Bezel Width Top (mm)             | 11                        |
| Dimensions Width (mm)            | 1235.6                    |
| Dimensions Height (mm)           | 709.3                     |
| Dimensions Depth (mm)            | 59.5                      |
| Ingress Protection               | IP5X (front); IP2X (back) |
| Packaging Dimensions Width (mm)  | 1390                      |
| Packaging Dimensions Height (mm) | 850                       |
| Packaging Dimensions Depth (mm)  | 160                       |
| Packaging Weight (kg)            | 27                        |
| VESA Mounting Holes              | 4                         |
| VESA Mounting Screw              | M6                        |
| VESA Mounting FDMI               | 300 x 300                 |
| Weight (kg)                      | 20.5                      |
| Material                         | Metal                     |

## Environmental Conditions

|                            |           |
|----------------------------|-----------|
| Operating Humidity (%)     | 20 to 80  |
| Operating Temperature (°C) | +0 to +40 |
| Storage Humidity (%)       | 10 to 80  |
| Storage Temperature (°C)   | -20 to 60 |

## Regulatory

|                       |                                                              |
|-----------------------|--------------------------------------------------------------|
| Pixel Failure Class   | ISO 9241-307, Class 1                                        |
| Resistance to Fire    | Metal backcover, plastic material certified acc. to UL94-5VB |
| Safety and Ergonomics | EMC Class B, CE, REACH, UKCA, RoHS                           |

## Green Features

|                                |                |
|--------------------------------|----------------|
| Ecological Standards           | EnergyStar 8.0 |
| Energy Efficiency Class        | G              |
| Energy Consumption (kWh/1000h) | 103            |

## 3rd Party Certifications

|                       |                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------|
| 3rd Party Certificate | Certified for Crestron CCV2 and XiO Cloud, Verified for Cisco Collaboration Devices, Q-Sys Plug-in |
|-----------------------|----------------------------------------------------------------------------------------------------|

Additional Features

|                         |                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------|
| External Control        | SNMP, PJLink                                                                                              |
| Operating Hours         | 24/7                                                                                                      |
| Remote Management       | NaViSet Administrator 2                                                                                   |
| Security                | Disable HW Buttons, Disable IR Functionality, IEEE802.1X (LAN)                                            |
| Shipping Content        | Display, Power Cable, Remote Control, HDMI Cable, 2 x AAA batteries, Setup Manual                         |
| Special Characteristics | DICOM Simulation, Clone Settings, Scheduler                                                               |
| Warranty                | additional services available, optional 4. + 5. year warranty extension, 3 years warranty incl. backlight |

