

Large Format Display - Message

Sharp MultiSync® M322



Intuitive professional content delivery

- 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.

Options

IoT and Asset Management

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

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PD Comms Tool Test tool to quickly diagnose communication issues remotely

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

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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

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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

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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

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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

Sensors

Sharp KTES1 ECO Sensor for dedicated Sharp large format displays

ECO Sensor for dedicated Sharp large format displays.

Mounting Options

Wall Mount PDW T XS Universal X-Small wall mount for dedicated Sharp/NEC displays (18" to 32")

Universal X-Small wall mount for dedicated Sharp/NEC displays (18" to 32").

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.

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 Box Gen2 External computing device based on the Raspberry Pi Compute Module 4

External computing device based on the Raspberry Pi Compute Module 4.

Specifications

General

Series	[sharp-m2-series]
Order Code	PNM322

Display

Aspect Ratio	16:9
Brightness (cd/m ²)	450
Colour Depth	16.7 (8bit)
Colour Gamut	72% of NTSC
Contrast Ratio	4000:1
Panel Refresh Rate (Hz)	60
Panel Technology	VA with Direct LED backlights
Screen Size (inch)	32
Screen Size (cm)	80
Supported Orientation	Face Up, Portrait, Landscape
Viewing Angle	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)

Resolution

Native Resolution	1920 x 1080
Supported Resolutions	3840 x 2160, 1360 x 768, 1400 x 1050, 1366 x 768, 1920 x 2160, 4096 x 2160, 1650 x 1050, 1024 x 768, 1280 x 720, 1280 x 1024, 1440 x 900, 2560 x 1600, 2560 x 1440, 1920 x 1080, 1920 x 1200, 1600 x 1200

Sensors

Temperature Sensor	Integrated, 3 sensors, triggered actions programmable
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Electrical

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

Mechanical

Bezel Width Bottom (mm)	17.2
Bezel Width Right (mm)	11.9
Bezel Width Left (mm)	11.9
Bezel Width Top (mm)	11.8
Dimensions Width (mm)	726.5
Dimensions Height (mm)	425.4
Dimensions Depth (mm)	66.5
Ingress Protection	IP5X (front); IP2X (back)
Packaging Dimensions Width (mm)	870
Packaging Dimensions Height (mm)	527
Packaging Dimensions Depth (mm)	160
Packaging Weight (kg)	9.8
VESA Mounting Holes	4
VESA Mounting Screw	M4
VESA Mounting FDMI	200 x 200, 100 x 100
Weight (kg)	6.3
Material	Metal

Environmental Conditions

Operating Humidity (%)	20 to 80
Operating Temperature (°C)	+0 to +40
Storage Humidity (%)	10 to 90
Storage Temperature (°C)	-20 to 60

Regulatory

Pixel Failure Class	ISO 9241-307, Class 2
Resistance to Fire	Metal backcover, plastic material certified acc. to UL94-5VB
Safety and Ergonomics	CE, RoHS, EAC

Green Features

Ecological Standards	EnergyStar 8.0
Energy Efficiency Class	G
Energy Consumption (kWh/1000h)	41

MediaPlayer

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

3rd Party Certifications

3rd Party Certificate	Certified for Crestron Connected, Q-Sys Plug-in
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Additional Features

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



Q-SYS