

LCD 32" Message Large Format Display

Sharp MultiSync® M322



Intuitive professional content delivery

For economical signage in 24/7 commercial environments, the 32" Sharp MultiSync® M322 delivers all the professional performance and features you need, whilst minimising the cost of ownership. With a 450 cd/m2 brightness output and anti-glare panel, the viewer enjoys excellent visual quality unhindered by reflections, with a slim, aesthetic design for unobtrusive integration.

Featuring multiple industry standard digital and analogue signal inputs, the M322 is future-proof for flexible integration. It also features full external control support through both RS-232 or LAN connectivity enabling operators to achieve time and cost savings when managing an estate of displays.

The full metal chassis, high end componentry and integrated schedule function affords peace of mind for extended runtimes, ideal for retail and transportation applications.

Benefits

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.

Specifications

Product Information

Product Name

Sharp MultiSync® M322

Model

PN-M322

Product Group

LCD 32" Message Large Format Display

Order Code

PNM322

Display

Panel Technology

VA with Direct LED backlights

Screen Size [inch/cm]

32 / 80

Aspect Ratio

16:9

Brightness [cd/m²]

450

Contrast Ratio (typ.)

4000:1

Viewing Angle [°]

178 horizontal / 178 vertical (typ. at contrast ratio 10:1)

Colour Depth [bn]

16.7 (8bit)

Colour Gamut

72% of NTSC

Response Time (typ.) [ms]

8

Panel Refresh Rate [Hz]

60

Haze Level [%]

Pro (28)

Supported Orientation

Face Up ¹; Landscape; Portrait

Resolution

Native Resolution

1920 x 1080

Supported Resolutions

1024 x 768;	1440 x 900;	2560 x 1440;
1280 x 1024;	1600 x 1200;	2560 x 1600;
1280 x 720;	1650 x 1050;	3840 x 2160;
1360 x 768;	1920 x 1080;	4096 x 2160
1366 x 768;	1920 x 1200;	
1400 x 1050;	1920 x 2160;	

Synchronisation Rate

Horizontal Frequency [kHz]

26 - 91.1

Vertical Frequency [Hz]

23 - 86

Connectivity

Input Video Analogue

1 x VGA

Input Video Digital

1 x DisplayPort (with HDCP); 2 x HDMI (with HDCP)

Input Audio Digital

1 x DisplayPort; 2 x HDMI

Input Control

LAN 100Mbit; remote control wire (3,5mm jack); RS232

Input Data

1 x USB 2.0 (MediaPlayer)

Output Audio Analogue

1 x 3,5 mm jack

Input Detect

Custom; First; Last

Sensors

Temperature Sensor

Integrated, 3 sensors, triggered actions programmable

Electrical

Power Consumption [W]

40 shipping

Power Savings Mode [W]

< 0.5; < 2 (Networked Standby)

Power Management

VESA DPMS

Power Supply

100-240 V AC; 50/60 Hz; internal

Environmental Conditions

Operating Temperature [°C]

+0 to +40

Operating Humidity [%]

20 to 80

Storage Humidity [%]

10 to 90

Storage Temperature [°C]

-20 to 60

Mechanical

Dimensions (W x H x D) [mm]

726.5 x 425.4 x 66.5

Weight [kg]

6.3

Bezel Width [mm]

11.8 (top); 11.9 (left/right); 17.2 (bottom)

VESA Mounting [mm]

100 x 100 (FDMI); 200 x 200 (FDMI); 4 holes; M4

Ingress Protection

IP5x (front); IP2x (back)

Packaging Dimensions (W x H x D) [mm]

870 x 527 x 160

Packaging Weight [kg]

9.8

Colour Bezel

Pantone 426M (black)

Material

Metal

MediaPlayer

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)

Supported Audio Formats

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

Available Options

Accessories

Feet (ST-32M); Presence Sensor (KT-RC3); Wall mount (PDW T XS)

External Computing

MPi4 Box; OPS/SDM standalone adapter to integrate any OPS/SDM computing or interface module

Regulatory

Safety and Ergonomics

CE; EAC; RoHS

Pixel Failure Class

ISO 9241-307, Class 2

Resistance to Fire

Metal backcover, plastic material certified acc. to UL94-5VB

Green Features

Energy Efficiency

Energy consumption: 41 kWh/1000 h; Energy efficiency class: G; LED backlight

Ecological Standards

EnergyStar 8.0

3rd Party Certifications

Crestron

Certified for Crestron Connected

Q-Sys

Q-Sys Plug-in

Additional Features

Special Characteristics

DICOM Simulation; HDMI ARC; Powered USB Port (10 W); Removable Logo

Audio

Integrated Speakers (5 W + 5 W)

Shipping Content

2x AAA batteries; Display; HDMI Cable; Power Cable; Remote Control; Setup Manual

Warranty

3 years warranty incl. backlight; additional services available; optional 4. + 5. year warranty extension ²

Operating Hours

24/7

External Control

AMX NetLinx Support; ASCII Control Commands; Crestron Connected; HDMI CEC; HTTP Browser; PJLink; Scheduled Timer; SNMP

Remote Management

Automated Email Alerts; NaViSet Administrator 2

Security

Disable HW Buttons; Disable IR Functionality; Emergency Notification

¹ adjusted usage conditions for face up/down installations, please refer to operational guidelines or contact our support

² please refer to terms and conditions of warranty extensions



CE



RoHS

This document is © 2026 Sharp Display Solutions Europe GmbH.

All rights reserved in favour of their respective owners. All hardware and software names are brand names and/or registered trademarks of the respective manufacturers. All specifications are subject to change without notice. Errors and omissions are excepted. 23.08.2026