

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

60006052

## 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 <sup>1</sup>; 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 and 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

### 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<sup>2</sup>

### 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

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

<sup>2</sup> please refer to terms and conditions of warranty extensions



CE



RoHS

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