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

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