LCD 50" Essential Large Format Display

Sharp MultiSync® E509

Professional performance, affordable value

The entry point for professional display solutions, the Sharp MultiSync® E9 Series is designed for modern business environments that need more than a consumer TV can offer. Combining essential features for meeting rooms and digital signage with commercial-grade reliability, the E9 Series delivers crisp UHD resolution, integrated media playback, and 16/7 operation at an accessible price point. A professional matte high-haze panel ensures superior visual performance in this product category, minimising reflections and glare common with glossy panels.

Designed for seamless integration across the wider Sharp display family, the E9 Series shares the same core identity, including the same remote control and device management for a consistent user experience. A robust metal back cover secures product longevity in commercial settings. Whether for presentations, retail signage, or corporate communication, the E9 Series gives you the professional edge without stretching your budget

Benefits

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

Standardised functionality – shares a common identity with the wider Sharp display portfolio, ensuring unified operation and remote device management, and consistent styling for a seamless user experience.

Effortless plug-and-play signage – the integrated USB MediaPlayer enables native UHD content playback with auto-start functionality, delivering instant digital signage without the need for external hardware or content management systems.

Flexible orientation – designed for both portrait and landscape installation, with uniform bezel width on all sides to ensure a clean, professional look in any configuration.

Specifications

Product Information

Product Name
Sharp MultiSync® E509

Product Group
LCD 50" Essential Large Format Display

Order Code
PNE509

Display

Panel Technology
VA with Direct LED backlights

Active Screen Area (W x H) [mm]
1,096 x 616

Screen Size [inch/cm]
50 / 125.7

Aspect Ratio
16:9

Pixel Pitch [mm]
0.285

Brightness [cd/m²]
350

Contrast Ratio (typ.)
4000:1

Viewing Angle [°]
178 horizontal / 178 vertical (typ. at contrast ratio 10:1)

Colour Depth [bn]
1.07 (8bit + FRC)

Response Time (typ.) [ms]
8 (grey-to-grey)

Panel Refresh Rate [Hz]
60

Haze Level [%]
Pro (25)

Supported Orientation
Landscape; Portrait

Resolution

Native Resolution
3840 x 2160

Supported Resolutions

1024 x 768;	1400 x 1050;	4096 x 2160;
1280 x 1024;	1440 x 900;	640 x 480;
1280 x 720;	1680 x 1050;	720 x 400;
1280 x 800;	1920 x 1080;	720 x 480;
1280 x 960;	1920 x 1200;	720 x 576
1360 x 768;	3840 x 2160;	

Synchronisation Rate

Horizontal Frequency [kHz]
31.5 - 135

Vertical Frequency [Hz]
24 - 75

Connectivity

HDMI IN 1
Video Input; UHD (60 Hz) HDCP (2.2); Audio Input; ARC; CEC

HDMI IN 2
Video Input; UHD (60 Hz) HDCP (2.2); Audio Input; CEC

USB-A 1
USB (2.0); 4.5 W; Peripherals; USB Storage

USB-C 1
Video Input; UHD (60 Hz); DP alt. 1.2; HDCP (2.2); Audio Input; USB 2.0; 15 W

Audio Output (3.5 mm)
Audio Output; Line Out

LAN 1
100 MBit/s

RS-232C
9600 bps

Electrical

Power Consumption [W]
99 (typ.)

Power Savings Mode [W]
< 0.5; < 2 (Networked Standby)

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 80

Storage Temperature [°C]
-20 to +60

Mechanical

Dimensions (W x H x D) [mm]
1,120 x 641 x 59.9

Weight [kg]
9.2

Bezel Width [mm]
10.8 (symmetrical)

VESA Mounting [mm]
200 x 200 (FDMI); 4 holes; M6

Packaging Dimensions (W x H x D) [mm]
1,253 x 761 x 128

Packaging Weight [kg]
13

Material
Metal structure. Covers partial in plastic.

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-43M); Trolley (PD04 Tipster); USB-C cable (USB-C 5M, USB-C 7M); Wall mount (PDW S 32-65 L, PDW S 32-65 P)

Regulatory

Safety and Ergonomics
CE; Energy Star 8; FCC Class B; RCM; UKCA; UL/C-UL or CSA; VCCI

Green Features

Energy Efficiency
Energy Consumption: 90 kWh/1000 h; Energy Efficiency Class: G; LED Backlight

Ecological Standards
EnergyStar 8.0

3rd Party Certifications

Q-Sys
Q-Sys Plug-in

Additional Features

Special Characteristics
CEC Support; HDMI ARC; NaViSet Administrator 2 - free download; Powered USB-Port; Scheduler; USB Media Player

Colour Versions
Black Front Bezel, Black Back Cabinet

Audio
Integrated Speakers (10 W + 10 W)

Shipping Content
2x AAA batteries; Cable Clamps; Display; Power Cable; Remote Control; Setup Manual

Warranty
3 years warranty incl. backlight

Operating Hours
16/7

Remote Management
NaViSet Administrator 2

FCC Class B

CE

RCM

VCCI

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