Sharp Signage Display

SHARP MULTISYNC® P506 LCD 50" PROFESSIONAL LARGE FORMAT DISPLAY

Precision performance for critical applications.

- Enhanced imaging precision – when brand consistency and corporate identity are important, Sharp's SpectraView Engine provides full control over colour, gamma, and uniformity for accurate and impactful content.
- 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.
- Security assured – 802.2x support over LAN enables high-level security for corporate networks, giving peace of mind for IT teams and enterprise environments.
- Mission-critical performance – with 700 cd/m² brightness, long-life components and robust flame-resistant metal chassis, the P6 series is engineered to deliver lasting clarity and durability in challenging environments without the need for bulky housings.
- Trusted integration – full compatibility with major AV ecosystems, including Crestron XiO Cloud and NVX, Q-Sys, Cisco Webex, Matrox IPMX, and CMS solutions, ensures seamless setup and scalability.

SHARP

Specifications

Video Terminals

Control Terminals	RS232C

Installation

Portrait Installation	True
Landscape	True
Portrait	True
Mounting (VESA mm)	300 x 300 (FDMI)
Mounting (Number of Points/Pitch)	4
Mounting Screw Specification (Size/Max Length)	M6
Face up	True
Face down	True

Key Specifications

Special Characteristics	CEC Support, HDMI ARC, Scheduler, DICOM Simulation, Clone Settings
24/7 Operation Certified	True
Built in Speakers (W)	10 + 10
Power Management	True
Temperature Sensor	True
Remote Management	True
Operating Time	24/7
Frame Material	Metal

Power Supply and Operating Environment

Operating Voltage (ACV)	100-240
Frequency (Hz)	50-60
Via AC Adapter	True
Operating Temperature (°C)	0 - 40
Storage Temperature (°C)	-20 - 60
Storage Humidity Min [%]	10
Storage Humidity Max [%]	80
Power Saving Mode (W)	< 2 (Networked Standby)
Battery	< 0.5 (ECO Standby)

Display

Screen Size (inch)	50
Screen Size (cm)	126
Colour Gamuts	86% of DCI

Resolution

Supported Resolution	1270 x 720, 1920 x 2160, 1920 x 1200, 1024 x 768 , 1280 x 1024, 1600 x 1200, 1920 x 1080, 640 x 480, 800 x 600, 1280 x 720, 1440 x 900, 1680 x 1050, 3840 x 2160, 1360 x 768, 720 x 576, 720 x 400, 720 x 480, 1366 x 768, 1400 x 1050, 1280 x 800, 4096 x 2160

Electrical

Power Consumption on Mode [W]	95 (shipping)

Mechanical

Bezel Width (Left/Right) [mm]	11
Bezel Width (Upper) [mm]	11
Bezel Width (Lower) [mm]	14

Green Features

Energy Efficiency	Energy Consumption: 85kWh/1000 h, LED backlight technology, Energy efficiency class: G
Ecological Standards	Energy Star 8.0

Audio Terminals

Speaker Output (W RMS)	Internal 10W + 10W

Accessories

Accessories	Eco Sensor, Feet, Remote control kit, Soundbar, Speaker, Trolley, USB-C cable, Wall mount
Shipping Content	Setup Manual, 2 x AAA batteries, HDMI Cable, Remote Control, Display, Power Cable

Display Module Data

Panel Technology	VA with Direct LED backlights
Native Resolution (Pixels)	3840 x 2160
Aspect Ratio	16:09:00
Brightness (cd/m²)	700
Contrast Ratio	8000:1
Pixel Pitch (mm)	0.285
Viewing Angle (°)	178
Colour Depth [bn]	1073 (10bit)
Active Screen Area (H/V) mm	1095 x 616
Response Time (typ.) [ms]	8

Additional Features

Colour Versions	Black Front Bezel, Black Back Cabinet
Safety and Ergonomics	EMC Class B, UKCA, ISO 9241-307 (pixel failure class I), RoHS, UL/C-UL or CSA, FCC Class B, CE, EnergyStar 8.0, REACH
Warranty	3 years warranty incl. backlight, optional 4th to 5th year warranty extension, Additional services available

Weights and Measures

Shipping Carton Dimensions (Width) mm	1245
Shipping Carton Dimensions (Height) mm	785
Shipping Carton Dimensions (Depth) mm	188
Product Weight Without Stand (Kg)	18
Shipping Weight (Kg)	23

Touch Interface Specification

Haze Level [%]	Pro 25

Synchronisation Rate

Horizontal Frequency [kHz]	15 - 135
Vertical Frequency [Hz]	23 - 76

Connectivity

Digital	DisplayPort, DisplayPort out, HDMI, USB Type C
Output Control	LAN 100Mbit

Environmental Conditions

Operating Humidity (min) [%]	20
Operating Humidity (max) [%]	80

Ergonomics

Landscape Dimensions (Width) [mm]	1122
Landscape Dimensions (Height) [mm]	645
Landscape Dimensions (Depth) [mm]	67