

LCD 75" Professional Large Format Display

Sharp MultiSync® P756



Precision performance for critical applications

When reliability, security, and exceptional visual performance are mandatory, the Sharp MultiSync® P6 Series delivers with precision and resilience. Engineered for mission-critical applications and high-end signage, the P6 Series combines robust durability with advanced visual technologies to meet the most demanding commercial needs. With 700 cd/m² brightness, a high-haze panel, and SpectraView™ Engine, it delivers outstanding image clarity and colour accuracy even in challenging lighting conditions. Despite its slim profile, the P6 Series is endorsed for use in heavy traffic spaces with a durable all-metal chassis that complies to the strictest fire safety standards.

Building on NEC's trusted heritage, the next generation Sharp P6 Series is designed for longevity and integration flexibility. Its modular architecture supports custom computing options by Intel® SDM or Raspberry Pi, and flexible connectivity including AVoverIP for versatile deployments. Native video daisy chaining via HDMI and DisplayPort enables content to be easily cloned or expanded across multiple displays. Compatibility with leading platforms such as Crestron, Cisco Webex, and Q-Sys enhances its future-proof appeal, while 802.1x LAN support safeguards robust security against cyber threats. Purpose-designed for control rooms, passenger information, and prestige retail or corporate signage, the P6 Series delivers uncompromising performance, day after day.

Benefits

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

Safe for public environments – a metal back cover and intelligent heat management ensure safe use in public spaces where fire-retardancy is mandatory

Enhanced imaging performance – advanced settings of all relevant visual parameters allow full control of brightness, colour, gamma and uniformity via the SpectraView Engine for precise, natural images.

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.

Specifications

Product Information

Product Name

Sharp MultiSync® P756

Model

PN-P756

Product Group

LCD 75" Professional Large Format Display

Order Code

60006334

Display

Panel Technology

IPS with Direct LED backlights

Screen Size [inch/cm]

75 / 189.3

Aspect Ratio

16:9

Brightness [cd/m²]

700

Contrast Ratio

≥ 8000:1¹

Viewing Angle [°]

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

Colour Depth [bn]

1.073 (10bit)

Colour Gamut

72% of NTSC

Response Time (typ.) [ms]

8

Panel Refresh Rate [Hz]

60

Haze Level [%]

Pro (25)

Supported Orientation

Face Down; Face Up²; Landscape; Portrait

Resolution

Native Resolution

3840 x 2160

Supported Resolutions

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

Synchronisation Rate

Horizontal Frequency [kHz]

15 - 135

Vertical Frequency [Hz]

23 - 76

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

HDMI OUT

Video Output; UHD (60 Hz) HDCP (2.2); Audio Output; Loop Through: HDMI IN 2, Option, Compute module

DP IN 1

Video Input; UHD (60 Hz) DP 1.2; HDCP (2.2); Audio Input

DP OUT

Video Output; UHD (60 Hz) DP 1.2; HDCP (2.2); Audio Output; Loop Through: DisplayPort IN, USB-C 2

USB-A 1

USB (2.0 / 3.2); 4.5 W; Peripherals; USB Storage

USB-A (Service)

2.5 W; Service

USB-C 1

Video Input; UHD (60 Hz); DP alt. 1.2; HDCP (2.2); Audio Input; USB 2.0 / 3.2; 65 W

USB-C 2

USB 2.0 / 3.2; 7.5 W; Peripherals; Storage

Audio Output (3.5 mm)

Audio Output; Line Out

LAN 1

100 MBit/s

LAN 2

Loop Through: LAN 1, RS-232C, IR; 100 MBit/s

RS-232C

9600 bps

Remote In (3.5 mm)

Eco Sensor (IR-Extender, Ambient and Presence)

Input Detect

Custom; Last; First

PiP / PbP

2-Split; Scalable picture size

Calibration

Factory Calibration

Gamma; Intensity; RGB; Uniformity; White Point

Calibration with Software

Corner Uniformity; Gamma; Intensity; RGB; Update Factory Calibration; White Point

Calibration Software

Display Wall Calibrator

Open Modular Intelligence

Intel® SDM

accepts Intel® Smart Display Modules Large and Small up to 66 W

Compute Module Slot

RPi Compute Module 4

Sensors

Ambient Light Sensor

optional via Eco Sensor (KTES1)

Human Sensor

optional via Eco Sensor (KTES1)

Temperature Sensor

Integrated, 3 sensors, triggered actions programmable

Electrical

Power Consumption [W]

170 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]

1,682.3 x 961.1 x 83.2

Weight [kg]

38

Bezel Width [mm]

14.3 (left, right and top); 14.8 (bottom)

VESA Mounting [mm]

4 holes; 600 x 400 (FDMI); M8

Ingress Protection

IP5x (front); IP2x (back)

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

1,830 x 1,070 x 225

Packaging Weight [kg]

51

Material

Metal

Available Options

Accessories

Eco Sensor (KTES1); Feet (ST-801); Remote control kit (KTRC3); Speaker (SP-RM3a); Trolley (L20PNSR780MEU); USB-C cable (USB-C 5M, USB-C 7M); Wall mount (L20PNWALL90EU, SF680P)

Regulatory

Safety and Ergonomics

CE; EMC Class B; Energy Star 8; FCC Class B; REACH; RoHS; UKCA; UL/C-UL or CSA

Pixel Failure Class

ISO 9241-307, Class 1

Resistance to Fire

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

Green Features

Energy Efficiency

Energy consumption: 180 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

CEC Support; Clone Settings; DICOM Simulation; HDMI ARC; Scheduler

Colour Versions

Black Front Bezel, Black Back Cabinet

Audio

Integrated Speakers (10 W + 10 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 extension³

Operating Hours

24/7

External Control

AMX NetLinx Support; Crestron V2; HDMI CEC; HTTP Browser; PJLink; Scheduled Timer; SNMP

Remote Management

NaViSet Administrator 2

Security

Disable HW Buttons; Disable IR Functionality; Emergency Notification; IEEE802.1X (LAN)

¹ out of the box conditions, local dimming ON

² adjusted usage conditions for face up/down installations, please refer to operational guidelines or contact our support

³ please refer to terms and conditions of warranty extensions



CE



RoHS



FCC Class B

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