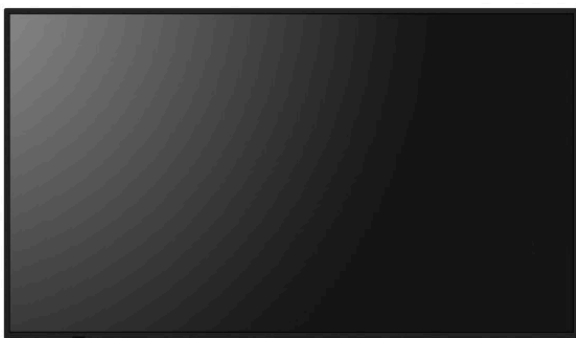


Sharp MultiSync® P556

LCD 55" Professional Large Format Display

Preliminary Datasheet



When imaging precision cannot be compromised

When imaging precision and 24/7 operational reliability cannot be compromised, the 6th generation of MultiSync® P series presents best-in-class performance with an advanced feature set for mission-critical applications

Unparalleled clarity of detail and colour accuracy is achieved with 8K signal processing, wide colour gamut and the integrated SpectraView® engine controlling all visual parameters. Even in bright ambient light conditions, high brightness levels of 700 cd/m² combined with a high haze filter guarantees exceptional readability with no annoying reflections. Despite its slim, elegant profile, the quality build is robust for use in public spaces, with an all-metal chassis for fire-retardancy. Featuring slot-in technology, choose scalable computing power with Raspberry Pi Compute Module or the more powerful Intel® Smart Display Modules (Intel®SDM) for tailor-made signage solutions.

For best visualisation in control rooms and production lines, for passenger information and wayfinding signage; the Sharp P Series is trusted for safety and long-life, fit-for-purpose performance.

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.

Product Information

Product Name	Sharp MultiSync® P556
Model	PN-P556
Product Group	LCD 55" Professional Large Format Display
Order Code	60005916

Display

Panel Technology	IPS with Edge LED backlights
Active Screen Area (W x H) [mm]	1,209.6 x 680.4
Screen Size [inch/cm]	54.6 / 138.8
Aspect Ratio	16:9
Pixel Pitch [mm]	0.315
Brightness [cd/m²]	700
Contrast Ratio (typ.)	1200:1
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Colour Depth [bn]	1.073 (10bit)
Colour Gamut	86% of DCI
Response Time (typ.) [ms]	8
Panel Refresh Rate [Hz]	60
Haze Level [%]	Pro (25)
Supported Orientation	Face Down; Face Up ¹ ; Landscape; Portrait

Resolution

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

Synchronisation Rate

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

Connectivity

Input Video Digital	1 x DisplayPort (with HDCP); 1 x USB-C (with HDCP, 65 W); 2 x HDMI (with HDCP)
Input Audio Digital	1 x DisplayPort; 1x USB-C; 2 x HDMI
Input Control	1 x RS232; 2 x LAN 100Mbit; remote control wire (3,5mm jack)
Input Data	1 x USB Type-A (Downstream); 1 x USB Type-A (Service); 1 x USB Type-C (Downstream)
Output Video Digital	1 x DisplayPort (loop through: DisplayPort, USB-C); 1 x HDMI (loop through: HDMI, SDM slot-in PC)
Output Audio Analogue	1 x 3,5 mm jack
Output Audio Digital	1x HDMI
Output Control	1 x LAN 100Mbit
Input Detect	Custom; First; Last
PiP/PbP	Dual-Split; scalable picture size

Calibration

Factory Calibration	Gamma; Intensity; RGB; Uniformity; White Point
Sensor Calibration (through USB)	PC-less Calibration with USB Sensor MDSVSensor3; White Copy (post self-calibration)
Calibration with Software	Corner Uniformity; Gamma; Intensity; RGB; Update Factory Calibration; White Point
Calibration Software	NEC 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]	115 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 80
Storage Temperature [°C]	-20 to 60

Mechanical

Dimensions (W x H x D) [mm]	1,235.6 x 709.3 x 59.5
Weight [kg]	20.5
Bezel Width [mm]	11 (left, right and top); 13.9 (bottom)
VESA Mounting [mm]	300 x 300 (FDMI); 4 holes; M6
Ingress Protection	IP5x (front); IP2x (back)
Packaging Dimensions (W x H x D) [mm]	1,390 x 850 x 160
Packaging Weight [kg]	27
Material	Metal

Available Options

Accessories	Eco Sensor (KTES1); Feet (ST-43M); Remote control kit (KTRC3); Soundbar (PN-ZCMS1); Speaker (SP-RM3a); Trolley (PD04 Tipster, L20PNSR780MEU); USB-C cable (USB-C 5M, USB-C 7M); Wall mount (PDW S 32-65 L, PDW S 32-65 P, L20PNWALL90EU, PDW T XL-2)
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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	ECOMode; Energy consumption: (TBD) kWh/(TBD) h; Energy efficiency class: (TBD); LED backlight
Ecological Standards	EnergyStar 8.0

3rd Party Certifications

Crestron	Certified for Crestron CCV2 and XiO Cloud
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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 extension ²
Operating Hours	24/7
External Control	AMX NetLinx Support; Crestron V2; HDMI CEC; HTTP Browser; PJLink; Scheduled Timer; SNMP
Remote Management	NEC NaViSet Administrator 2
Security	Disable HW Buttons; Disable IR Functionality; Emergency Notification; IEEE802.1X (LAN)

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



RoHS



FCC Class B



CE

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