LCD 55" Video Wall Display

# Sharp MultiSync® UN553S

## Seamless video walls to amplify your brand

Scale up your visual impact with the modular Sharp MultiSync® UN Series, purpose-designed with ultra-narrow bezels to create high-resolution video walls with minimal image interruption.

Advanced intelligent features and imaging performance powered by SpectraView™ ensure precise and consistent visualisation across the entire wall, creating the impression of a single, continuous surface for clear and engaging content presentation.

Engineered for 24/7 operation in public spaces, the series combines robust metal construction with advanced thermal management to deliver reliable, long-lasting performance.

Drawing on its heritage of engineering excellence, the 55-inch Sharp MultiSync® UN553S delivers uncompromising quality and dependable operation for demanding applications in corporate and transportation environments and for mission-critical control room scenarios.

## Benefits

**Easy installation** – effortless set up with Auto TileMatrix and out-of-the-box calibration. Ready-to-use image presets save time for predefined application scenarios.

**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.

**Lifelike and consistent colour** – experience true to life colour reproduction with IPS panel technology. Uniform visibility is maintained in both landscape and portrait orientation, as well as at wide viewing angles as viewers pass by.

**Secure reliability and longevity** – The metal chassis aids natural heat dissipation while the unique heat management system allows users to monitor and control internal temperatures, safeguarding components against heat build-up.

**Cost Saving Device Management** – save effort whilst managing all connected Sharp and legacy devices from a centralised location by using the NaViSet Administrator 2 software tool.

# Specifications

## Product Information

**Product Name**
Sharp MultiSync® UN553S

**Model**
PN-UN553S

**Product Group**
LCD 55" Video Wall Display

**Order Code**
PNUN553S

## Display

**Panel Technology**
IPS with Direct LED backlights

**Screen Size [inch/cm]**
55 / 138.8

**Aspect Ratio**
16:9

**Brightness [cd/m²]**
700

**Contrast Ratio (typ.)**
3500:1

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

**Colour Gamut**
72% of NTSC

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

**Panel Refresh Rate [Hz]**
60

**Haze Level [%]**
Pro (25)

**Supported Orientation**
Landscape; Portrait

## Resolution

**Native Resolution**
1920 x 1080

**Supported Resolutions**

| | | |
|---|---|---|
| 1024 x 768; | 1360 x 768; | 3840 x 2160; |
| 1280 x 1024; | 1600 x 1200; | 640 x 480; |
| 1280 x 768; | 1920 x 1080; | 800 x 600 |

**Supported on DisplayPort and HDMI**

| | | |
|---|---|---|
| 1080i; | 1080p; | 720p (50/60 Hz) |

**Supported on HDMI only**
1080i (50/60 Hz)

## Synchronisation Rate

**Horizontal Frequency [kHz]**
26 - 134

**Vertical Frequency [Hz]**
23 - 86

## Connectivity

**HDMI IN 1**
Video Input; UHD (60 Hz) HDCP (2.2); Audio Input; 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 1, OPS, Mediaplayer

**DP IN 1**
Video Input; UHD (60 Hz) DP 1.2; HDCP (1.3); Audio Input

**DP OUT**
Video Output; UHD (60 Hz) DP 1.2; HDCP (1.3); Audio Output; Loop Through: DP IN 1, OPS

**USB-A 1**
USB (Calibration Sensor)

**USB-A 2**
USB (2.0); 10 W; Peripherals

**USB-A 3**
USB (2.0); Peripherals

**Audio Output (3.5 mm)**
Audio Output; Line Out

**LAN 1**
100 MBit/s

LAN 2
100 MBit/s

RS-232C
9600 bps

Remote In (3.5 mm)
IR-Extender

## 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; Update Uniformity Correction; White Point

Calibration Software
Display Wall Calibrator

## Open Modular Intelligence

OPS Slot
Slot Technology: Open pluggable specification (NEC / Intel OPS standard)

OPS Max. Current / Power Consumption [A / W]
3.6 / 58

## Sensors

Human Sensor
optional via Sensor Module (KTRC3); Optional, external, 4-5m range, triggered actions programmable

Temperature Sensor
Integrated, 3 sensors, triggered actions programmable

NFC Sensor
Integrated, 2cm range, free NEC Android App required

## Electrical

Power Consumption [W]
180 Eco (shipment setting)

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 90

Storage Temperature [°C]
-20 to 60

## Mechanical

Dimensions (W x H x D) [mm]
1,210.5 x 681.3 x 106.3; Without stand: 1,210.5 x 681.3 x 106.3

Weight [kg]
28.1; Without stand: 28.1

Bezel Width [mm]
0.44 (bottom/right); 0.44 (top/left); 0.88 (symmetrical)

VESA Mounting [mm]
4 holes; 400 x 400 (FDMI); M6

## MediaPlayer

Supported Image Formats
JPG (baseline, progressive, RGB, CMYK); max. resolution 5000 x 5000; PNG (interlace, alpha channel); max. resolution 4000 x 4000

Supported Video Formats
MP4 / MOV / FLV (video H.264, audio MP3, AAC); max. resolution 1080p at 30 Hz, 1080i at 60 Hz; MPG (video mpeg1/2, audio mpeg audio layer2/3, AAC-LC); MP @ ML, MP @ HL; WMV (video H.264, wmv advanced L3, wmv simple / main, audio mp3 wmv std); max. resolution 1080p at 30 Hz, 1080i at 60 Hz

Supported Audio Formats
MP3 (MP3); max. bit-rate 320 kBit/s; WAV (LPCM); max. 48 kHz sampling

## Available Options

Accessories
Calibration kit (KT-LFD-CC2); Feet (ST-5220); Remote control kit (KT-RC3); Speaker (SP-RM3); Wall mount (PD04VWM MFS 46-55 L/P; PD04VW QR 46-55 L/P; CK02XUN MFS 55 L/P)

OPS Slot
Intel® Atom, Celeron and Core i3, i5, i7 Slot-in PCs

## Regulatory

### Safety and Ergonomics
BSMI; CE; EAC; EMC Class B; FCC; PSB; RCM; REACH; RoHS; SASO; TÜV GS; TÜV S; UL/C-UL; VCCI

### Pixel Failure Class
ISO 9241-307, Class 2

## Green Features

### Energy Efficiency
Carbon Savings Meter; Energy Consumption: 146 kWh/1000 h; Energy Efficiency Class: G; Human Sensor; LED Backlight

## Additional Features

### Special Characteristics
Auto ID assignment; Auto tiling function; Automatic Alarm E-Mails; DICOM Simulation; Frame Comp; HTTP Server; Image flip; PJLink Support; TileMatrix; USB Media Player; User input priority definition; User readable log function

### Colour Versions
Black Front Bezel, Black Back Cabinet

### Audio
Integrated Speakers (2 x 15 W)

### Plug and Play
VESA DDC/CI

### Shipping Content
Display; DisplayPort Cable; HDMI Cable; LAN cable (RJ45); Power Cable

### Warranty
3 years warranty incl. backlight; additional services available; optional 4. + 5. year warranty extension [1]

### Operating Hours
24/7

### Remote Management
NaViSet Administrator 2

[1] please refer to terms and conditions of warranty extensions

VCCI TÜV GS RoHS CE RCM

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