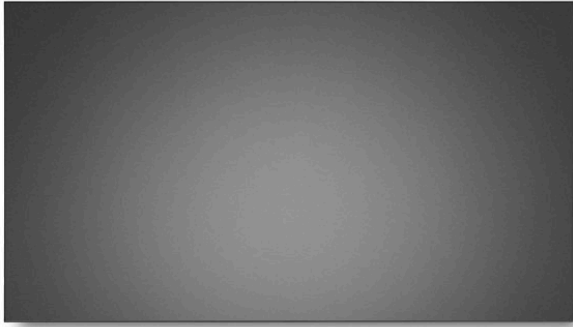


LCD 55" Video Wall Display

# NEC MultiSync® UN552S



## Bring your walls to life

For the most engaging and creative visual experiences, the 55" MultiSync® UN552S video wall display offers better image quality, easier installation and a reliable longer-lasting performance.

Installation and operation becomes so simple as powerful calibration capabilities provide compelling picture performance throughout the display's entire lifetime. Tune picture attributes according to your specific application needs and create a single image across multiple displays. With a combined adjoining bezel of just 0.88mm, the holistic video wall experience offers an expansive digital canvas with barely noticeable interruption. The 700cd/m<sup>2</sup> display brightness and an anti-glare surface delivers the best readability with no annoying reflections even in bright ambient light conditions.

Attracting shoppers in retail malls, entertaining museum-goers or presenting menu choices, these large modular displays, in different shapes and formations, get your content noticed.

## 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.

**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.

**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.

**Smart media integration** – seamlessly integrate the media source of your choice into the video wall display. Use the wide range of NEC's OPS Slot-in PCs, and Raspberry Pi compute modules, for content feed and computing.

# Specifications

## Product Information

### Product Name

NEC MultiSync® UN552S

### Product Group

LCD 55" Video Wall Display

### Order Code

L50UN552S

## Display

### Panel Technology

S-IPS with Direct LED backlights

### Active Screen Area (W x H) [mm]

1,209.63 x 680.34

### Screen Size [inch/cm]

55 / 138.8

### Aspect Ratio

16:9

### Pixel Pitch [mm]

0.630

### Brightness [cd/m<sup>2</sup>]

700

### Contrast Ratio (default)

> 3500:1

### Viewing Angle [°]

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

### Colour Gamut

72% of NTSC

### Response Time (typ.) [ms]

8

### Panel Refresh Rate [Hz]

60

### Haze Level [%]

Pro (28)

### Supported Orientation

Landscape; Portrait

## Resolution

### Native Resolution

1920 x 1080

### Supported on DisplayPort and HDMI

1024 x 768;	1280 x 768;	3840 x 2160;
1080i;	1360 x 768;	640 x 480;
1080p;	1600 x 1200;	720p (50/60 Hz);
1280 x 1024;	1920 x 1080;	800 x 600

### Supported on HDMI only

1080i (50/60 Hz)

## Synchronisation Rate

### Horizontal Frequency [kHz]

26 - 134

### Vertical Frequency [Hz]

23 - 86

## Connectivity

### Input Video Analogue

1 x VGA; Composite (RCA)

### Input Video Digital

1 x DVI-D (with HDCP); 1 x OPS Slot; 2 x DisplayPort (with HDCP); 2 x HDMI (with HDCP)

### Input Audio Analogue

2 x 3,5 mm jack

### Input Audio Digital

2 x DisplayPort; 2 x HDMI

### Input Control

1 x Remote Control (3.5 mm jack); 1 x RS232; 2 x LAN 100Mbit

### Input Data

1 x microSD (MediaPlayer); 1 x USB 1.0 (Downstream); 1 x USB 1.0 (MediaPlayer); 1 x USB 2.0 (Upstream); 2 x USB 1.0 (Compute Module, 1 x 5V/2A powered)

### Output Video Digital

1 x DisplayPort (loop through: DisplayPort, OPS slot-in PC); 1 x HDMI (loop through: HDMI, OPS slot-in PC, MediaPlayer)

### Output Audio Analogue

1 x 3,5 mm jack

### Output Control

LAN 100Mbit

## 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

### Compute Module Slot

Slot Technology: Compute Module 3 Slot (NEC proprietary standard)

## Sensors

### Human Sensor

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]

165 shipping; 420 (max.)

### Power Savings Mode [W]

< 0.5; < 2 (Networked Standby)

## 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]

Without stand: 1,210.5 x 681.2 x 98.6

### Weight [kg]

Without stand: 25.8

### 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)

### Compute Module Slot

Raspberry Pi Compute Module 1 and 3

### 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: 209 kWh/1000 h;  
Energy efficiency class: G; Human sensor; LED backlight

### 3rd Party Certifications

#### Crestron

Certified for Crestron Connected

### Additional Features

#### Special Characteristics

Auto ID assignment; Auto tiling function; Automatic Alarm E-Mails;  
DICOM Simulation; Frame Comp; HTTP Server; Image flip;  
Intelligent Wireless Data (based on NFC); NaViSet Administrator 2 -  
free download; PJLink Support; TileMatrix; USB Media Player; User  
input priority definition; User readable log function

#### Colour Versions

Black Front Bezel, Black Back Cabinet

#### Audio

Optional Speakers (15 W + 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 <sup>1</sup>

#### Operating Hours

24/7

<sup>1</sup> please refer to terms and conditions of warranty extensions



CE



VCCI



RCM



TÜV GS



RoHS

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