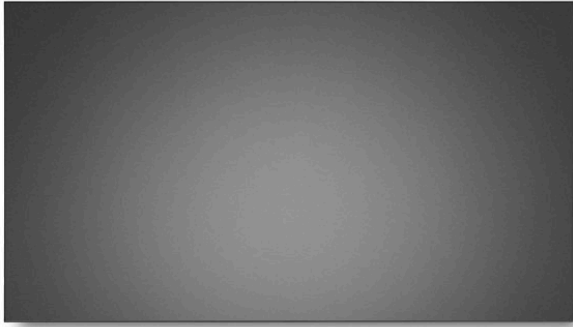


LCD 55" Video Wall Display

# NEC MultiSync® UN552V



## Video Walls you can rely on

The MultiSync® UN552V sets the standard for video wall technology. Featuring a minimal 3.5 mm bezel these display modules create impressive high resolution video walls with barely visible image gaps. With perfect picture quality and high product reliability, these displays are designed for the rigors of 24/7 operation. At a high brightness level of 500 cd/m<sup>2</sup> your message will be well received with effortless readability even in the brightest ambient light conditions. An advanced set of intelligent features make the displays easy to install and operate and support significantly reduced maintenance requirements. The 55" display is ideally suited to create huge screen surfaces for fixed installations and for mid and longer viewing distances.

NEC's vast experience in the video wall market is evident in the design with features that reduce costs, ease installation and enhance the visual impact of content in control rooms, broadcast studios, transport installations and the rental market.

## 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

NEC MultiSync® UN552V

### Product Group

LCD 55" Video Wall Display

### Order Code

60004882

## Display

### Panel Technology

S-IPS with Direct LED backlights

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

1,209.6 x 680.3

### Screen Size [inch/cm]

55 / 138.8

### Aspect Ratio

16:9

### Pixel Pitch [mm]

0.630

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

500

### Contrast Ratio (default)

> 1700:1

### 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

4096 x 2160

## 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 1.3 (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 MDSV Sensor3; 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

### NFC Sensor

Integrated, 2cm range, free NEC Android App required

## Electrical

### Power Consumption [W]

110 shipping; 315 (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: 1,213.4 x 684.2 x 103.8

### Weight [kg]

Without stand: 25.5

### Bezel Width [mm]

1.2 (bottom/right); 2.3 (top/left); 3.5 (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); Overframe kit (KT-55UN-OF5); Remote control kit (KT-RC3); Speaker (SP-RM3); Wall mount (PD02VWM MFS 46-55 L/P; PD02VW 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; 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: 106 kWh/1000 h; Energy efficiency class: G; Human sensor; LED backlight

### Ecological Standards

EnergyStar 8.0

### 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; 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



VCCI



CE



RCM



RoHS



TÜV GS

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