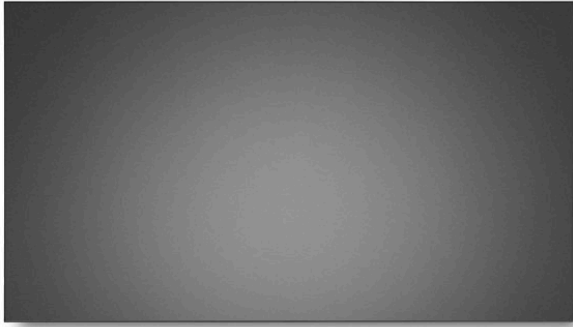


LCD 55" Video Wall Display

NEC MultiSync® UN552



Video Walls you can rely on

The MultiSync® UN552 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 700 cd/m² 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.

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.

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.

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.

Specifications

Product Information

Product Name

NEC MultiSync® UN552

Product Group

LCD 55" Video Wall Display

Order Code

L50UN552

Display

Panel Technology

S-IPS with Direct LED backlights

Active Screen Area (W x H) [mm]

1,209.6 x 680.4

Screen Size [inch/cm]

55 / 138.8

Aspect Ratio

16:9

Pixel Pitch [mm]

0.630

Brightness [cd/m²]

700

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 |

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]

150 shipping; 380 (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 (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; 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: 141 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; 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 ¹

Operating Hours

24/7

¹ please refer to terms and conditions of warranty extensions



CE



RCM



RoHS



TÜV GS



VCCI

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