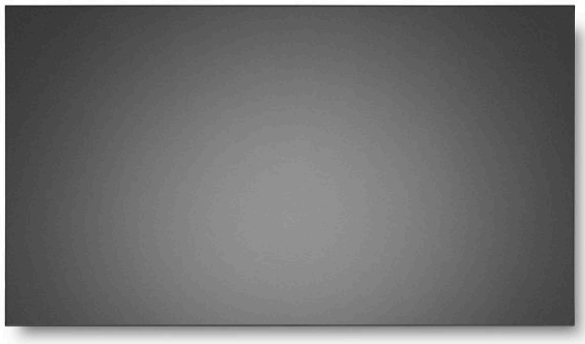
LCD 55" Video Wall Display

NEC MultiSync® UN552VS





Bring your walls to life

For the most engaging and creative visual experiences, the 55” Multisync® UN552VS 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 500cd/m² display brightness and an anti-glare surface delivers best readability with no annoying reflections under common 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.

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.

SHARP

Specifications

Product Information

Product Name
NEC MultiSync® UN552VS

Product Group
LCD 55" Video Wall Display

Order Code
L50UN552VS

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/m²]
500

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]
160 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: 201 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 [1]

Operating Hours
24/7

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

RoHS RCM VCCI TÜV GS CE

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