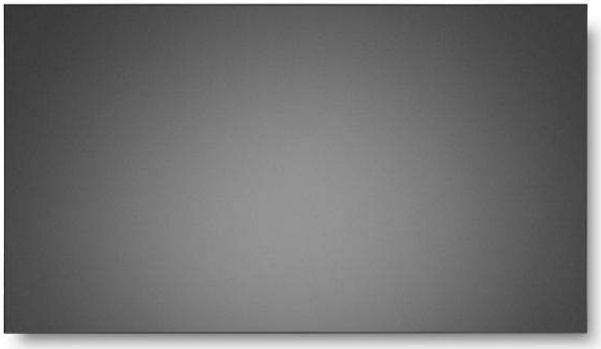
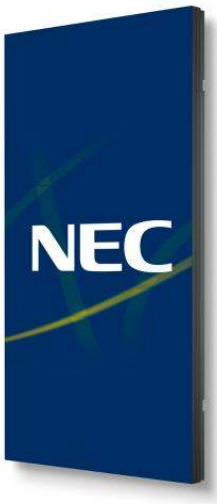
MultiSync® UN552VS
LCD 55” Video Wall Display

Datasheet





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 – effortlessly set up you wall display with Auto TileMatrix and out-of-the-box calibrations. Save time by plugging in ready-to-use image presets 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 – expect colour reproduction that feels true to life with IPS panel technology, the top choice when it comes to colour consistency. The S-IPS panel ensures that perfect visibility is maintained in landscape and portrait mode and at extreme viewing angles as viewers pass by.

Secure Reliability and Longevity of Video Walls – unique NEC heat management system enables the user to monitor and control the heat inside the display.

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

Product Information

Product Name	MultiSync® UN552VS
Product Group	LCD 55" Video Wall Display
Order Code	60004524

Display

Panel Technology	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)	> 1700:1
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	8
Panel Refresh Rate [Hz]	60
Haze Level [%]	Pro (28)
Supported Orientation	Landscape; Portrait

Synchronisation Rate

Horizontal Frequency [kHz]	26 - 134
Vertical Frequency [Hz]	23 - 86

Resolution

Native Resolution	1920 x 1080			
Supported on DisplayPort and HDMI	3840 x 2160; 1920 x 1080; 1600 x 1200;	1360 x 768; 1280 x 1024; 1280 x 768;	1080i; 1080p; 1024 x 768;	800 x 600; 720p (50/60 Hz); 640 x 480

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	NEC 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 Slot (NEC proprietary standard)

Sensors

Human Sensor	Optional, external, 4-5m range, triggered actions programmable

Electrical

Power Consumption Eco/max. [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
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-RC2); Speaker (SP-TF1); 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

Green Features

Energy Efficiency	Annual energy consumption: 328 kWh (based on 4 operating hours per day); Carbon savings meter; Energy efficiency class: D; 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; Intelligent Wireless Data (based on NFC); NaViSet Administrator 2; TileMatrix; USB Media Player; User input priority definition; User readable log function
Colour Versions	Black Front Bezel, Black Back Cabinet

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
Audio	Optional Speakers (15 W + 15 W)
Plug and Play	VESA DDC/CI
Shipping Content	Display; DisplayPort Cable; HDMI Cable; Power Cable
Warranty	3 years warranty incl. backlight; additional services available; optional 4. + 5. year warranty extension
Operating Hours	24/7

CE RCM RoHS TÜV GS VCCI

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