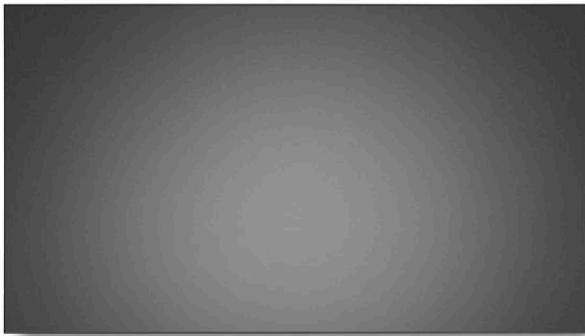


## MultiSync® UX552S LCD 55" Video Wall Display

# Datasheet



### Precision to rely on

Putting the operator securely in control; when precision visualization is mission-critical, the NEC MultiSync® UX552 and UX552S displays are the mainstay for situational awareness, monitoring and control. Guaranteeing fail-safe operation with redundant power supply, plus long life picture performance; control rooms in transport, energy and utility sectors are assured of consistent reliable operation yet at an agreeably low TCO.

Optimized for static and moving content and with high 700cd/m<sup>2</sup> brightness and an anti-reflection haze filter, even in bright environments the content remains crisp and easy to read. Powerful calibration capabilities make installation and set up so simple in achieving perfectly aligned video walls with the impression of a single large surface canvas.

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

**Accelerate your video wall configuration** – set up your wall in no time with the display's powerful configuration capabilities, which include Auto ID/IP, Auto Tile Matrix, and Tile-/Frame Compensation. Enjoy flawless playback across your entire video wall.

**Long-lasting continuous pictures** – align your display with powerful calibration capabilities. Use the white copy function, colour drift correction, uniformity control, self-calibration and validation to create a continuous surface across multiple screens that gives the appearance of one, seamless wall.

**Future Ready with Open Modular Intelligence Expansion** – upgrade the power of your display at any time by seamlessly integrating one of NEC's options for OPS Slot-in PCs, Raspberry Pi compute modules or signal interfaces for content feed and computing.

**Safe and secure displays** – each display is EMC class-B certified and ideally suited for critical emission environments that require safer standards than other displays do.

**Fully redundant operation** – Alongside multiple digital signal inputs and dual-LAN connectivity, the UX Series supports full redundancy via selected external DC Power supplies to guarantee unmatched reliability and fail-safe performance.

## Product Information

Product Name	MultiSync® UX552S
Product Group	LCD 55" Video Wall Display
Order Code	60004527

## Display

Panel Technology	VA 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/m <sup>2</sup> ]	700
Contrast Ratio (typ.)	4000:1
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	8
Panel Refresh Rate [Hz]	60
Haze Level [%]	25
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; 1360 x 768; 1080i; 800 x 600; 1920 x 1080; 1280 x 1024; 1080p; 720p (50/60 Hz); 1600 x 1200; 1280 x 768; 1024 x 768; 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 (MediaPlayer); 1 x USB 2.0 (Downstream); 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)
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	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
Temperature Sensor	Integrated, 3 sensors, triggered actions programmable
NFC Sensor	Integrated, 2cm range, free NEC Android App required

## Electrical

Power Consumption Eco/max. [W]	195 shipping; 440 (max.)
Power Savings Mode [W]	< 0.5; < 2 (Networked Standby)

## External Power Supply Interface

Voltage Range [VDC]	48±2
Min. Power [W]	> 480
Cable Core Thickness [mm <sup>2</sup> ]	14 AWG/ 2
Protection	OCP; OVP

## Environmental Conditions

Operating Temperature [°C]	+0 to +50
Operating Humidity [%]	20 to 80
Storage Humidity [%]	10 to 90
Storage Temperature [°C]	-20 to 65

## Mechanical

Dimensions (W x H x D) [mm]	Without stand: 1,211.6 x 682.4 x 99.7
Weight [kg]	Without stand: 29.6
Bezel Width [mm]	0.55 bottom/right; 1.15 top/left; 1.7
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-TF1); Wall mount (PD04VWM MFS 46-55 L/P; PD04VWM QR 46-55 L/P; CK02XUN MFS 55 L/P; CK0XUN551S 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: 316 kWh (based on 4 operating hours per day); Carbon savings meter; Energy efficiency class: C; Human Sensor; LED backlight
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## 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; PJLink Support; 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; LAN cable (RJ45); Power Cable; Remote Control
Operating Hours	24/7



CE



RCM



RoHS



TÜV GS



VCCI

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