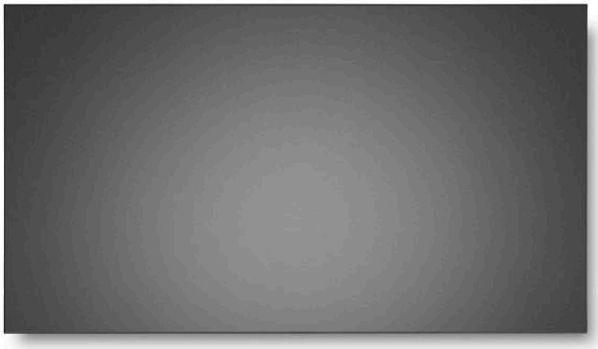
\Orchestrating a brighter world

MultiSync® UX552

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/m² 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

Easy to install – it’s simple to get your display up and running with its out-of-the-box calibrated picture pre-sets, managing colour settings and uniformity controlled by the SpectraView Engine — not to mention its simple, software-free calibration capabilities.

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.

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.

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.

Product Information

Product Name	MultiSync® UX552
Product Group	LCD 55" Video Wall Display
Order Code	60004526

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/m²]	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; 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
Supported on HDMI only	4096 x 2160			

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 RS232; 2 x LAN 100Mbit; remote control wire (3,5mm jack)
Input Data	1 x microSD (MediaPlayer); 1 x USB 1.0 (Downstream); 1 x USB 1.0 (Media Player); 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	3,5mm 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
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 [mm²]	14 AWG/ 2
Protection	OCP; OVP

Environmental Conditions

Operating Temperature [°C]	+0 to +40
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: 1,213.5 x 684.3 x 100.3
Weight [kg]	Without stand: 29.3
Bezel Width [mm]	1.2 bottom/right; 2.3 top/left; 3.5
VESA Mounting [mm]	4 holes; 400 x 400 (FDMI); M6

Available Options

Accessories	Feet (ST-5220); 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)

Green Features

Energy Efficiency	Energy efficiency class: D

Additional Features

Special Characteristics	Auto ID assignment; Auto tiling function; Automatic Alarm E-Mails; DICOM Simulation; Frame Comp; HTTP Server; NaViSet Administrator 2; PJLink Support; TileMatrix; USB Media Player; User readable log function
Safety and Ergonomics	BSMI; CE; EAC; FCC; KC/KCC; 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)

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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