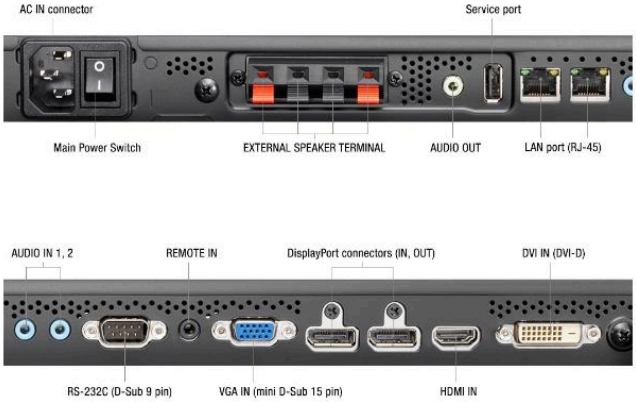
\Orchestrating a brighter world NEC

MultiSync® X554UNV-2

LCD 55” Video Wall Display

Datasheet



Video Walls you can rely on

The NEC X554UNV-2 sets the standard for reliability in video wall technology. Featuring a minimal 3.5 mm bezel, these display modules create impressive high resolution video walls with barely visible image gaps. Supporting consistently accurate image rendering and high operational security, they are designed for the rigors of 24/7 operation. Perfect readability under common light conditions is guaranteed thanks to a brightness output of 500 cd/m² together with an anti-glare surface. 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 that demand attention.

NEC's vast experience in the video wall market is evident in the design of the X554UNV-2 with features that reduce operational costs, ease installation and enhance the visual impact of content in control rooms, corporate applications, broadcast studios, in transport installations and the rental market.

Benefits

Perfect Visual Experience – FrameComp supports a seamless appearance, crucial for fast moving content, creating one stunning image by synchronising the content across the entire video wall.

Easy Setup – Auto TileMatrix offers time and cost savings during installation. Configure just one display in order to complete the set up for the entire wall.

Smart Way to Large Scale perfectly detailed Imagery – native UHD Daisy Chaining enables the user to create UHD video walls with either a single UHD image or 4 different Full HD sources.

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

Compelling Image Presentation – the display can be hardware colour and brightness calibrated to secure a consistent image presentation over the entire video wall.

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

Continuous Workflow – reliable and secure for mission critical applications with 24/7 operational performance.

Future Ready with OPS Cable Free Expansion – upgrade the power of your display at any time while seamlessly integrating one of our various Slot-in PCs, signal interfaces and other OPS compatible products without the need for external cables or

devices.

Product Information

Product Name	MultiSync® X554UNV-2
Product Group	LCD 55" Video Wall Display
Order Code	60004272

Display

Panel Technology	S-PVA with direct LED backlight
Active Screen Area (W x H) [mm]	1,209.6 x 680.4
Screen Size [inch/cm]	55 / 138.8
Aspect Ratio	16:9
Brightness [cd/m²]	500, 300 Eco (shipment setting)
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	Face Up; Landscape; Portrait

Synchronisation Rate

Horizontal Frequency [kHz]	31.5 - 91.1
Vertical Frequency [Hz]	50 - 85

Resolution

Native Resolution	1920 x 1080 at 60 Hz		
Supported on DisplayPort and HDMI	3840 x 2160 (24/30 Hz); 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;	576p (50 Hz); 480p (60 Hz)
Supported on HDMI only	4096 x 2160 (24 Hz); 3840 x 2160 (25 Hz);	1360 x 768; 576i (Value Hz);	480i (60 Hz)	

Connectivity

Input Video Analogue	1 x D-sub 15 pin
Input Video Digital	1 x DisplayPort (with HDCP); 1 x DVI-D (with HDCP); 1 x HDMI (with HDCP); 1 x Interface Extension Slot; 1 x OPS Slot
Input Audio Analogue	2 x 3,5 mm jack
Input Audio Digital	1 x DisplayPort; 1 x HDMI
Input Control	LAN 100Mbit; remote control wire (3,5mm jack); RS232
Output Video Digital	1 x DisplayPort out (loop through:DisplayPort, DVI-D, HDMI, Interface Extension Slot, OPS)
Output Audio Analogue	3,5mm jack
Output Control	LAN 100Mbit
Remote Control	LAN with SNMP; Remote Control IR (internal/external (optional) sensor); RS-232C (9-pin D-sub) Input

Open Modular Intelligence

OPS Slot	Slot Technology: Open pluggable specification (NEC / Intel OPS standard)
Inrush Current [A]	max. 10

Power Consumption [W]	max. 61
Voltage / Current [V/A]	16/4

Interface Extension Slot

Slot Technology	analogue and digital interface extension (NEC standard)

Sensors

Ambient Light Sensor	Integrated, triggered actions programmable
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]	125 Eco (shipment setting), 170
Power Savings Mode [W]	< 0.5; < 2.5 (Networked Standby)
Power Management	VESA DPMS

Environmental Conditions

Operating Temperature [°C]	+0 to +40
Operating Humidity [%]	20 to 80

Mechanical

Dimensions (W x H x D) [mm]	Without stand: 1,214 x 684 x 100
Weight [kg]	Without stand: 25.9
Bezel Width [mm]	1.2 bottom/right; 2.3 top/left; 3.5; Content to content 3.7
VESA Mounting [mm]	4 holes; 400 x 400 (FDMI); M6
Ingress Protection	IP40 (front); IP20 (back)

Available Options

Accessories	Calibration kit (KT-LFD-CC2); Feet (ST-5220); Overframe kit (KT-55UN-OF2); Remote control kit (KT-RC2); Speaker (SP-RM1); Speaker (SP-TF1); Trolley (PD02VWM 2x2 46 55 L, PD02VWM 3x3 46 55 L); Wall mount (PDVWXUN 55 L/P; PD02VW MFS 46 55 L/)
Interface Extension	SB3-AB1 analogue: Audio; Component; Composite; S-Video SB3-AB2 analogue: Audio; RGBHV
OPS Slot	HD-SDI 1.5G / 3G; HDBaseT receiver; Intel® Celeron and Core i3, i5, i7 Slot-in PCs; OPS Digital Signage Player

Green Features

Energy Efficiency	Ambient light sensor; Annual energy consumption: 173 kWh (based on 4 operating hours per day); Carbon savings meter; ECOMode; Energy efficiency class: B; Human Sensor

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; Point Zoom Function; Programmable 10-bit LUT with 3 memory banks; Sticky Note Function in OSD; TileMatrix; User readable log function
Safety and Ergonomics	C-tick; CE; EAC; FCC Class A; PSB; RoHS; SASO; TÜV GS; UL/C-UL or CSA; VCCI
Pixel Failure Class	ISO 9241-307, Class 2
Audio	Optional Speakers (15 W + 15 W)

Shipping Content	CD-ROM (User Guides/Manuals); Display; DisplayPort Cable; Free LAN control software (download); Power Cable Signal Cable: LAN cable
Warranty	3 years warranty incl. backlight; additional services available; optional 4. + 5. year warranty extension
Operating Hours	24/7

CE C-tick FCC Class A RoHS TÜV GS VCCI

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