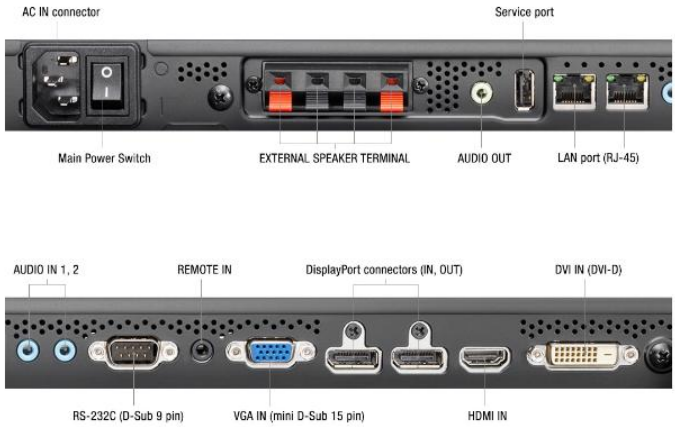
\Orchestrating a brighter world

MultiSync® X554UNS-2

LCD 55" Video Wall Display

Datasheet





Video Walls you can rely on

The ultra slim MultiSync ® X554UNS-2 sets the standard for video wall technology. Featuring a minimal 3.5 mm bezel these display modules create impressive high resolution video walls with barely visible image gaps. With perfect picture quality and high product reliability, these displays are designed for the rigors of 24/7 operation. At a high brightness level of 700 cd/m² your message will be well received with effortless readability even in the brightest ambient light conditions. 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 for fixed installations and for mid and longer viewing distances.

NEC's vast experience in the video wall market is evident in the design of the X554UNS-2 with features that reduce costs, ease installation and enhance the visual impact of content in control rooms, broadcast studios, transport installations and the rental market.

Benefits

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

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

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.

Reduced Installation and Operating Costs – highly energy efficient LED backlit display ensures low power consumption, longer backlight lifetime and lighter design for easy transportation, mounting and integration.

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

Free Download of Multi-Display Management Software – with NaViSet Administrator 2 you can manage all your connected display devices from a centralised location.

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® X554UNS-2
Product Group	LCD 55" Video Wall Display
Order Code	60004173

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 / 139
Brightness [cd/m²]	700, 420 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 (50 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	1 x LAN 100Mbit; 1 x Remote Control (3.5 mm jack); 1 x RS232
Output Video Digital	1 x DisplayPort out (loop through:DisplayPort, DVI-D, HDMI, Interface Extension Slot, OPS)
Output Audio Analogue	1 x 3,5 mm jack
Output Control	1 x LAN 100Mbit

Open Modular Intelligence

OPS Slot	Slot Technology: Open pluggable specification (NEC / Intel OPS standard)
OPS Max. Current / Power Consumption [A / W]	10 / 61

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 [W]	150 Eco (shipment setting), 195
Power Savings Mode [W]	< 0.5 (ECO Standby); < 1
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]	1,213.5 x 684.3 x 100.4
Weight [kg]	25.6
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)

Additional Features

Special Characteristics	Auto ID assignment; Auto tiling function; Automatic Alarm E-Mails; DICOM support; 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; Super slim bezel with 3.9 mm between contents and 3.5 mm bezel width; TileMatrix; User readable log function
Colour Versions	Black Front Bezel, Black Back Cabinet
Safety and Ergonomics	C-tick; CE; FCC Class B; PSB; RoHS; TÜV GS; UL/C-UL or CSA; VCCI
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

Available Options

Accessories	Calibration kit (KT-LFD-CC); Feet (ST-5220); Overframe kit (KT-55UN-OF2); Remote control kit (KT-RC, 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/P, easyFrame X55UN)
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® Atom, Celeron and Core i3, i5, i7 Slot-in PCs; OPS Digital Signage Player

Green Features

Energy Efficiency	Ambient light sensor; Annual energy consumption: 269 kWh (based on 4 operating hours per day); Carbon savings meter; ECOMode; Energy efficiency class: C; Human Sensor
Ecological Materials	Manuals on CD; Optional feet
Ecological Standards	EnergyStar 6.0



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