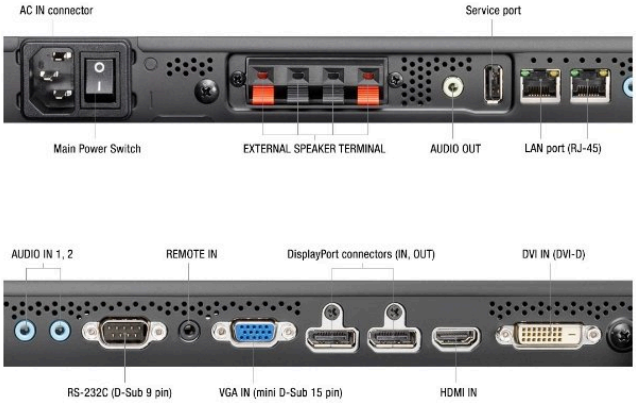
NEC MultiSync® X555UNS
LCD 55” Video Wall Display

Datasheet



Video walls from NEC: get the WOW factor!

NEC’s video wall solutions ensure the big impressions you desire. Effortless readability with precise colour reproduction and high contrast ratios will catch attention. An advanced set of intelligent features make the displays easy to install and operate, and drastically reduced maintenance times are supported.

Create and display your dynamic images with uniform brightness and colour rendition. With the ultra slim bezels and exact synchronization across the individual screens amazing results are achieved in high bright conditions and in continuous operation. NEC stands for quality and service. Excellent reliability leads to minimum downtimes and with an integrated remote management system maintenance is reduced significantly in both cost and effort. To ensure long term peace of mind, NEC offers a 5 year warranty extension. You care about your business - we care about the rest!

MultiSync® X555UNS is the perfect choice for flexible video walls in corporate applications, retail environments, quick service restaurants and all other public spaces. Get the attention you desire! With the WOW factor from NEC!

Benefits

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.

Native UHD Daisy Chaining through DisplayPort 1.2 Multistreaming – enables the user to create UHD videowalls with either a single UHD image or 4 different Full HD sources.

Auto Tile Matrix – for a complete auto set up for videowalls. Save time and cost by configuring one display in order to complete the set up for the entire wall.

Frame Comp – supports a seamless appearance and shows the content without any interruption, creating one stunning image by synchronising the content across the wall.

Reliable colour reproduction – due to 10-bit colour performance, extreme viewing angles and hardware calibratable LUT, viewers benefit from consistently accurate image rendering.

Product Information

Product Name	NEC MultiSync® X555UNS
Product Group	LCD 55" Video Wall Display
Order Code	60003905

Display

Panel Technology	IPS with Direct LED backlights
Active Screen Area (W x H) [mm]	1,210 x 680
Screen Size [inch/cm]	55 / 139
Aspect Ratio	16:9
Brightness [cd/m²]	700, 420 Eco (shipment setting)
Contrast Ratio (typ.)	Static Contrast 1200:1; Dynamic Contrast 150000:1
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	12
Panel Refresh Rate [Hz]	60
Haze Level [%]	44
Supported Orientation	Face Up [1]; Landscape; Portrait

Resolution

Native Resolution	1920 x 1080 at 60 Hz			
Supported on DisplayPort and HDMI	1024 x 768; 1080i; 1080p; 1280 x 1024;	1280 x 768; 1360 x 768; 1600 x 1200; 1920 x 1080;	3840 x 2160 (24/30 Hz); 480p (60 Hz); 576p (50 Hz);	640 x 480; 720p (50/60 Hz); 800 x 600
Supported on HDMI only	1360 x 768; 3840 x 2160 (25 Hz);	4096 x 2160 (24 Hz); 480i (60 Hz);	576i (50 Hz)	

Synchronisation Rate

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

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	Optional, 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]	204 Eco (shipment setting), 275
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]	Without stand: 1,213 x 684 x 95
Weight [kg]	Without stand: 30.3
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-OF3); Remote control kit (KT-RC2); Speaker (SP-RM1, 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® Celeron and Core i3, i5, i7 Slot-in PCs; OPS Digital Signage Player

Green Features

Energy Efficiency	Annual energy consumption: 297 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

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 - free download; Point Zoom Function; Programmable 10-bit LUT with 3 memory banks; Sticky Note Function in OSD; TileMatrix; User readable log function
Colour Versions	Black Front Bezel, Black Back Cabinet
Safety and Ergonomics	C-tick; CE; Energy Star 6.0; FCC Class A; PSB; RoHS; 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 [2]
Operating Hours	24/7

[1] adjusted usage conditions for face up/down installations, please refer to operational guidelines or contact our support

[2] please refer to terms and conditions of warranty extensions

C-tick

FCC Class A

RoHS

TÜV GS

VCCI

CE

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