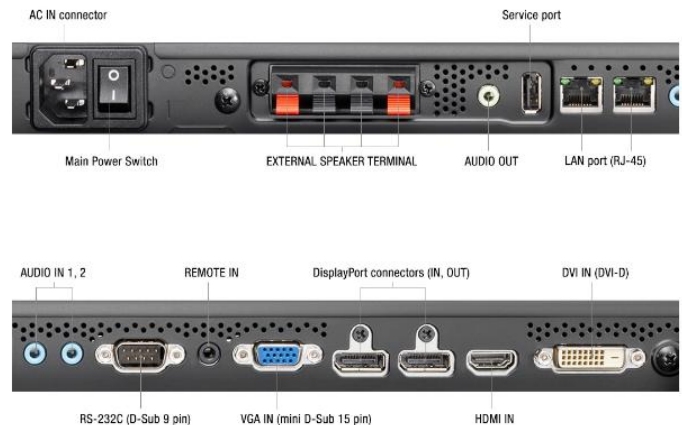


MultiSync® X555UNS NEC LCD 55" Video Wall Display

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.

Unique NEC heat management – enables the user to monitor and control the heat inside the display with user controllable fans. Heat management is crucial for larger walls and mission critical installations to secure reliability and longevity.

DICOM support – for medical applications.

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

Product Information

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

Display

| | |
|---------------------------------|---|
| Panel Technology | S-IPS with Direct LED backlights and local dimming |
| 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; Landscape; Portrait |

Synchronisation Rate

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

Resolution

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|-----------------------------------|--|
| 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

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|-----------------------|--|
| 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 |

OPS Option 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

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|-----------------|---|
| Slot Technology | analogue and digital interface extension (NEC standard) |
|-----------------|---|

Sensors

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|----------------------|--|
| 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

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|------------------------|---------------------------------|
| Power Consumption [W] | 204 Eco (shipment setting), 275 |
| Power Savings Mode [W] | < 0.5 (ECO Standby); < 1 |
| Power Management | VESA DPMS |

Environmental Conditions

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

Mechanical

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|-----------------------------|---|
| 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) |

Additional Features

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|-------------------------|---|
| 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; 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 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

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|---------------------|--|
| 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 SB3-DB1 digital: 1 x HDMI out; 2 x HDMI in |
| OPS | HD-SDI 1.5G / 3G; HDBaseT receiver; Intel® Celeron and Core i3, i5, i7 Slot-in PCs; OPS Digital Signage Player |

Green Features

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|----------------------|--|
| 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 |



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