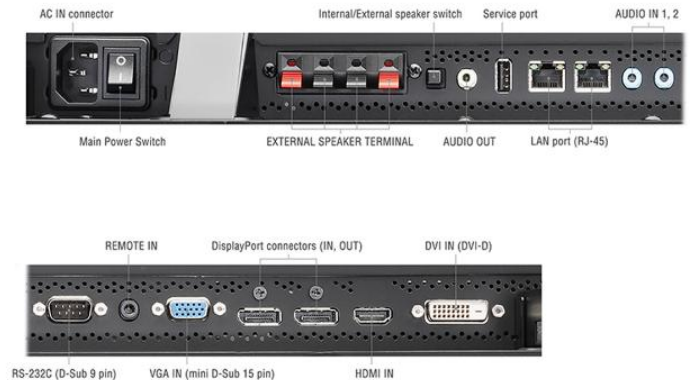


MultiSync® X554HB LCD 55" High Brightness Large Format Display

Datasheet



With NEC's new MultiSync® X554HB connecting with customers has never been smarter or brighter. The display offering a maximum brightness of 2700cd/m² will capture viewers with a stunning visual experience, while minimizing power consumption use through a programmable ambient light sensor.

High reliability and a stable image quality are guaranteed by the selection of professional grade components and an intelligent thermal management which allows for an even heat distribution even under challenging conditions and 24/7 applications.

This display is ideal for any heavy duty digital signage application that requires extremely high brightness levels and sunlight proof operation.

Benefits

Superb readability in any lighting condition – crisp playback of contents thanks to high brightness of 2700 cd/m² and reliable 8-bit S-PVA colour reproduction combined with an optical (Quarter Lambda) Filter to guarantee an impressive viewing experience even through polarized sunglasses.

Sunlight-proof operation – with highly temperature-resistant LCD panel coating to withstand direct sunlight without blackening effects.

Mission-critical 24/7 ready operation – with reliable, industry grade components and NEC trusted 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.

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

Programmable Ambient Light Sensor – automatically adapts brightness to suit ambient light conditions ensuring reduced power consumption and eye pleasing luminosity levels.

Automatically respond to viewer presence – to minimise unnecessary power use or for creative signage applications the optional Human Sensor adapts the display brightness or changes inputs when a person enters a proximity zone.

Convenient installation and maintenance with NFC – the built-in near field communication allows pre-configuration and servicing of the display by using an NFC capable device loaded with the NEC Android App.

Product Information

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|---------------|--|
| Product Name | MultiSync® X554HB |
| Product Group | LCD 55" High Brightness Large Format Display |
| Order Code | 60003912 |

Display

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|---------------------------------|---|
| Panel Technology | 1/4 lambda filter; S-PVA with direct LED backlight |
| Active Screen Area (W x H) [mm] | 1,209 x 680 |
| Screen Size [inch/cm] | 55 / 140 |
| Brightness [cd/m²] | 2700, 1600 Eco (shipment setting) |
| Contrast Ratio (typ.) | 5000:1 |
| Viewing Angle [°] | 178 horizontal / 178 vertical (typ. at contrast ratio 10:1) |
| Response Time (typ.) [ms] | 6 (grey-to-grey) |
| Haze Level [%] | 1 |
| TNi [°C] | 110 |
| Supported Orientation | Landscape; Portrait |

Synchronisation Rate

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|----------------------------|----------------------------------|
| Horizontal Frequency [kHz] | 31.5 - 91.1 (analog and digital) |
| 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) |
| 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

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

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

Sensors

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| Ambient Light Sensor | Integrated, triggered actions programmable |
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|--------------------|--|
| 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] | 310 Eco (shipment setting), 500 |
| 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: 1,253 x 724 x 137 |
| Weight [kg] | Without stand: 32.6 |
| Bezel Width [mm] | 19.5 |
| VESA Mounting [mm] | 4 holes; 400 x 400 (FDMI); M8 |
| Ingress Protection | IP40 (front); IP20 (back) |

Additional Features

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|-------------------------|--|
| Special Characteristics | Auto ID assignment; Auto tiling function; Automatic Alarm E-Mails; HTTP Server; Image flip; NaViSet Administrator 2; Point Zoom Function; Programmable 10-bit LUT with 3 memory banks; Sticky Note Function in OSD; User readable log function |
| Safety and Ergonomics | C-tick; CE; FCC Class B; PSB; RoHS; TÜV GS; UL/C-UL or CSA; VCCI |
| Audio | Integrated Speakers (10 W + 10 W); Optional Speakers (15 W + 15 W) |
| Shipping Content | CD-ROM (User Guides/Manuals); Display; DVI-D cable; Power Cable; Remote Control |
| 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 | Feet (ST-5220); Speaker (SP-RM1); Trolley (PDMHM-L); Wall mount (PDW S 32-55 P 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® Atom, Celeron and Core CPUs |

Green Features

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|----------------------|--|
| Energy Efficiency | Ambient light sensor; Annual energy consumption: 450 kWh (based on 4 operating hours per day); Carbon savings meter; ECOMode; Energy efficiency class: D; Human Sensor |
| Ecological Materials | Manuals on CD; Optional feet |



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