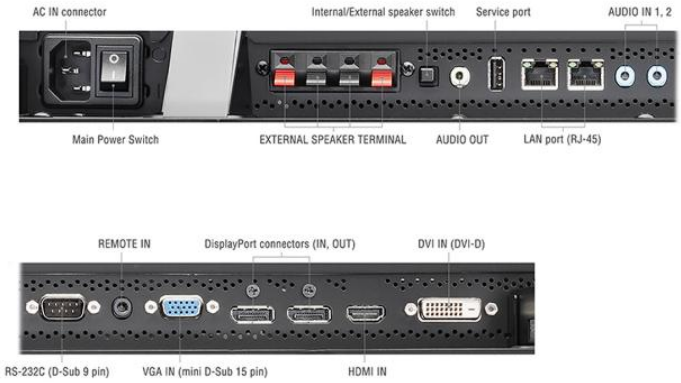
\Orchestrating a brighter world

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

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

Display

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

Horizontal Frequency [kHz]	31.5 - 91.1 (analog and digital)
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)
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 [W]	310 Eco (shipment setting), 500
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: 1,253 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

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

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 SB3-DB1 digital: 2 x HDMI
OPS Slot	HD-SDI 1.5G, 3G; HDBaseT receiver; Intel® Atom, Celeron and Core CPUs; WiDi receiver

Green Features

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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