\Orchestrating a brighter world

MultiSync® V554 PG (Protective Glass)

LCD 55" Protective Glass Large Format Display

Datasheet





Professional Protection for compelling Digital Signage results

The NEC MultiSync® V554 PG combines professional protection of your investment with thrilling display performance. Deliver your message with impact and seamless simplicity for the most convincing results.

Guaranteed reliability even under the toughest conditions is achieved with the super robust 4mm thick protective glass designed to withstanding external impacts. The anti-reflective glass surface combined with brightness levels of 500 cd/m² provides crisp and clear images and readability from different viewing angles and distances.

The MultiSync® V554 PG is the perfect choice for creating a big and durable impression in public spaces with high volumes of people such as for applications in transportation, retail, hospitality and digital out of home as well as for tough environments in industrial applications.

Benefits

Maximum investment security – assured as the display is protected against damage from external impacts such as knocks and blows.

Superb readability – supported through the use of anti-reflective and high light-transmission Conturan® protective glass from Schott.

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

Protects the public – the thermally toughened protective glass will disintegrate into small fragments reducing the risk of injury should it suffer extreme damage.

Future Ready with Open Modular Intelligence Expansion – upgrade the power of your display at any time by seamlessly integrating one of NEC's options for OPS Slot-in PCs, Raspberry Pi compute modules or signal interfaces for content feed and computing.

Mission-critical 24/7 ready operation – the meticulous selection of industrial-grade components and careful design focused on demanding usage scenarios accompany an impressive and continuous viewer experience.

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

Supports precise analyses in medical imaging application – thanks to DICOM picture mode.

Product Information

Product Name	MultiSync® V554 PG (Protective Glass)
Product Group	LCD 55" Protective Glass Large Format Display
Order Code	60004339

Display

Panel Technology	S-IPS with Edge LED backlights
Active Screen Area (W x H) [mm]	1,209.6 x 680.4
Screen Size [inch/cm]	55 / 138.8
Brightness [cd/m²]	500, 350 Eco (shipment setting)
Contrast Ratio (typ.)	1200:1
Viewing Angle [°]	178 / 178 (at contrast ratio > 10:1)
Glass Type	Security Glass with anti-reflextion coating
Reflection Rate [%]	< 1
Thickness [mm]	4
Colour Depth [bn]	1.073 (10bit)
Light Transmission [%]	97
Response Time (typ.) [ms]	8 (grey-to-grey)
Haze Level [%]	Pro (44)
Supported Orientation	Face Up; Landscape; Portrait

Synchronisation Rate

Horizontal Frequency [kHz]	31.5 - 91.1 (analog and digital)
Vertical Frequency [Hz]	24 - 85

Resolution

Native Resolution	1920 x 1080			
Supported Resolutions	4096 x 2160; 3840 x 2160; 1920 x 2160; 1920 x 1200; 1920 x 1080;	1680 x 1050; 1600 x 1200; 1440 x 900; 1400 x 1050; 1366 x 768;	1360 x 768; 1280 x 1024; 1280 x 960; 1280 x 800; 1280 x 720;	1024 x 768; 800 x 600; 640 x 480

Connectivity

Input Video Analogue	1 x VGA
Input Video Digital	1 x DVI-D (with HDCP); 2 x DisplayPort (with HDCP); 2 x HDMI (with HDCP)
Input Audio Analogue	2 x 3,5 mm jack
Input Audio Digital	2 x DisplayPort; 2 x HDMI
Input Control	1 x LAN 100Mbit; 1 x Remote Control (3.5 mm jack); 1 x RS232
Input Data	1 x microSD (MediaPlayer); 1 x USB 2.0 (MediaPlayer); 1 x USB 2.0 (Service); 1 x USB Type-B (Upstream); 2 x USB 2.0 (Compute Module, 1 x 5V/2A powered)
Output Video Digital	1 x DisplayPort (loop through: DisplayPort, OPS slot-in PC)
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
Compute Module Slot	Slot Technology: Compute Module Slot (NEC proprietary 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]	105 Eco (shipment setting), 150
Power Savings Mode [W]	< 0.5 (ECO Standby); < 3 (Networked Standby)
Power Management	VESA DPMS

Environmental Conditions

Operating Temperature [°C]	+0 to +35
Operating Humidity [%]	20 to 80

Mechanical

Dimensions (W x H x D) [mm]	1,251 x 721.8 x 71.4
Weight [kg]	35
Bezel Width [mm]	17.7 (top and bottom); 17.9 (left and right)
VESA Mounting [mm]	300 x 300 (FDMI); 4 holes; M6
Ingress Protection	IP5X (front); IP2X (back)

MediaPlayer

Supported Image Formats	JPG (baseline, progressive, RGB, CMYK); max. resolution 5000 x 5000; PNG (interlace, alpha channel); max. resolution 4000 x 4000
Supported Video Formats	MP4 / MOV / FLV (video H.264, audio MP3, AAC); max. resolution 1080p at 30 Hz, 1080i at 60 Hz; MPG (video mpeg1/2, audio mpeg audio layer2/3, AAC-LC); MP @ ML, MP @ HL; WMV (video H.264, wmv advanced L3, wmv simple / main, audio mp3 wmv std); max. resolution 1080p at 30 Hz, 1080i at 60 Hz
Supported Audio Formats	MP3 (MP3); max. bit-rate 320 kBit/s; WAV (LPCM); max. 48 kHz sampling
Supported File Storage / File System	MicroSDHC / FAT16, FAT32; USB 2.0 / FAT16, FAT32

Available Options

Accessories	Feet (ST-401); Speaker ((TBD)); Trolley (PDMHM-L); Wall mount (PDW S 32-55 L and P, PD02W T L L, PD03W T M P)
Compute Module Slot	NEC Compute Module; Raspberry Pi Compute Module 1 and 3
OPS Slot	HD-SDI 1.5G, 3G; HDBaseT receiver; Intel® Atom, Celeron and Core CPUs; OPS-2C HDMI + DP Interface; OPS-2C Quad 3G SDI

Green Features

Energy Efficiency	Ambient light sensor; Annual energy consumption: 175 kWh (based on 4 operating hours per day); Carbon savings meter; ECOMode; Energy efficiency class: B; Human Sensor
Ecological Materials	Manuals on CD; Optional feet
Ecological Standards	EnergyStar 7.0

Additional Features

Special Characteristics	Ambient Light Sensor; AMX NetLinx Support; ASCII Control Commands; Auto ID assignment; Auto tiling function; Automated Email Alert; CEC Support; Crestron RoomView Support; DICOM Simulation; Display Browser Control; Emergency Notification; Full System Scheduler; Hardware colour calibration possible; Image flip; Intelligent Wireless Data (based on NFC); KeyGuide; MediaPlayer with Browser Control; NaViSet Administrator 2; OmniColor Control; OSD rotation for portrait mode; PJLink Support; Point Zoom Function; Powered USB-Port; Programmable 12-bit LUT with 3 memory banks; Removable Logo; Secure Mode Operation; Slim LED Indicator; SNMP Support; TileMatrix (10 x 10); User readable log function; Various picture in picture options
Colour Versions	Black Front Bezel, Black Back Cabinet; optional coloured overframes
Safety and Ergonomics	C-tick; CE; EMC Class B; FCC; 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

CE C-tick RoHS TÜV GS VCCI

This document is © 2019 NEC Display Solutions Europe GmbH.

All rights reserved in favour of their respective owners. All hardware and software names are brand names and/or registered trademarks of the respective manufacturers. All specifications are subject to change without notice. Errors and omissions are excepted. 13.03.2019