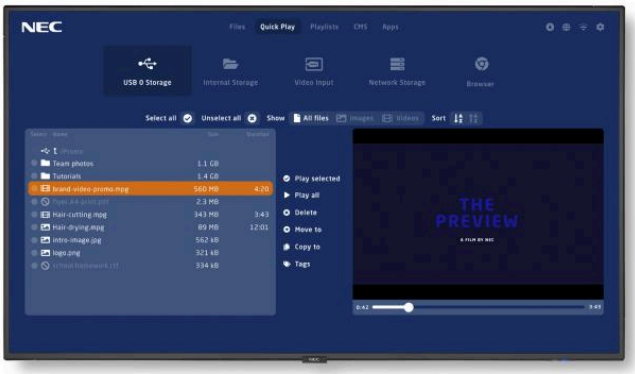
\Orchestrating a brighter world

MultiSync® V554Q-MPi3

LCD 55” Value Large Format Display

Preliminary Datasheet





Digital signage and real-time information deployed easily

Initiating effective communication to your target audience has never been easier to plan, install and operate. Deploying Signage with consistently updated information, real-time content adaption and scheduling has never been so simple.

The 55” MultiSync® V554Q-MPi3 provides a sleek combination of intuitive media playback with professional digital display technology for impactful messaging in retail environments, leisure and museum applications as well as quick service restaurants. Fitting perfectly into corporate environments and public spaces, the modern, slim design integrates seamlessly with the surrounding architecture whilst the 500 cd/m² brightness output and anti-glare surface ensures excellent viewing.

Futureproof and upgradable, the NEC MediaPlayer Software is powered by a pre-installed modular SoC Raspberry Pi module. Enabling remote operation of single and multiple display installations, benefit from flexible usage of many media types and a scheduling function for smart content management. For specific feature demands, the NEC MediaPlayer grants easy switching to the integrated Content Management Systems directly.

Benefits

Ease of use and operation – smart installation, operation and maintenance functionality ensures accurate performance over the entire lifetime of the display saving time, effort and resources.

Everything under control – one single interface is needed to manage both the NEC MediaPlayer and the display directly, via a web-interface or the NEC Display remote control.

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.

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

Product Information

Product Name	MultiSync® V554Q-MPi3
Product Group	LCD 55" Value Large Format Display
Order Code	60005007

Display

Panel Technology	IPS with Edge LED backlights
Active Screen Area (W x H) [mm]	1,209.6 x 680.4
Screen Size [inch/cm]	55 / 138.78
Aspect Ratio	16:9
Pixel Pitch [mm]	0.315
Brightness [cd/m²]	500
Contrast Ratio (typ.)	1100:1
Viewing Angle [°]	178 / 178 (at contrast ratio > 10:1)
Colour Depth [bn]	1.073 (10bit)
Response Time (typ.) [ms]	8 (grey-to-grey)
Panel Refresh Rate [Hz]	60
Haze Level [%]	Pro (28)
Supported Orientation	Face Up; Landscape; Portrait

Synchronisation Rate

Horizontal Frequency [kHz]	26 - 135
Vertical Frequency [Hz]	23 - 86

Resolution

Native Resolution	3840 x 2160			
Supported Resolutions	4096 x 2160; 1920 x 2160; 1920 x 1200; 1920 x 1080;	1650 x 1050; 1600 x 1200; 1440 x 900; 1400 x 1050;	1366 x 768; 1360 x 768; 1280 x 1024; 1280 x 720;	1024 x 768

Connectivity

Input Video Digital	1 x OPS Slot; 2 x DisplayPort (with HDCP); 3 x HDMI (with HDCP)
Input Audio Analogue	1 x 3,5 mm jack
Input Audio Digital	2 x DisplayPort; 3 x HDMI
Input Control	LAN 100Mbit; remote control wire (3,5mm jack); RS232
Input Data	1 x USB 2.0 (Service); 1 x USB Type-B (Upstream); 2 x USB 2.0 (Compute Module, 1 x 5V/2A powered); 2 x USB 2.0 (NEC MediaPlayer)
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]	4.7 / 75

Sensors

Ambient Light Sensor	Integrated, triggered actions programmable

Human Sensor	Optional, external, 4-5m range, triggered actions programmable
Temperature Sensor	Integrated, 1 sensors, triggered actions programmable
NFC Sensor	Integrated, 2cm range, free NEC Android App required

Electrical

Power Consumption Eco/max. [W]	120 Eco (shipment setting), 170
Power Savings Mode [W]	< 0.5; < 2 (Networked Standby)
Power Management	VESA DPMS

Environmental Conditions

Operating Temperature [°C]	+0 to +40
Operating Humidity [%]	20 to 80
Storage Humidity [%]	10 to 90
Storage Temperature [°C]	-20 to 60

Mechanical

Dimensions (W x H x D) [mm]	1,238.4 x 712.8 x 68.9
Weight [kg]	27
Bezel Width [mm]	11.9 (left, right and top); 15.5 (bottom)
VESA Mounting [mm]	300 x 300 (FDMI); 4 holes; M6
Ingress Protection	IP5x (front); IP2x (back)

MediaPlayer

Supported File Storage / File System	FAT16 / FAT32 @ USB 2.0
Internal Storage	32GB eMMC (2GB occupied by OS, 28GB available for files)
Processor	Cortex-A53 (ARMv8) 64-bit SoC @ 1.2GHz
Supported Image Formats	JPG; JPEG; PNG
Supported Video Formats	MP4 / MOV / MKV (H.264); MPEG-2; M4K; VP8 / VP9; HTML5
Supported Audio Formats	MP3; AAC; AC-3

Available Options

Accessories	Feet (ST-401); Soundbar; Trolley (PDMHM-L); Wall mount (PDW S 32-55 L and P, PD02W T L L, PD03W T M P)
OPS Slot	HDBaseT receiver; Intel® Atom, Celeron and Core CPUs; OPS-2C Quad 3G SDI

Green Features

Energy Efficiency	Ambient light sensor; Annual energy consumption: 185 kWh (based on 4 operating hours per day); ECOMode; Energy efficiency class: B; LED backlight

Additional Features

Special Characteristics	12-bit Look Up table; Ambient Light Sensor; AMX NetLinx Support; Auto ID assignment; Auto tiling function; Automated Email Alert; CEC Support; Cisco Webex Kit compatible; Crestron Connected Support; Crestron RoomView Support; DICOM Simulation; Emergency Notification; HDMI with UHD at 60 Hz; HDR Gamma Support (PQ, HLG); Intelligent Wireless Data (based on NFC); KeyGuide; NaViSet Administrator 2; OSD rotation for portrait mode; PJLink Support; Powered USB-Port; Removable Logo; Scheduler; Screen saver functions; SNMP Support; TileMatrix (10 x 10); USB Media Player
Safety and Ergonomics	CE; EAC; EMC Class B; FCC; REACH; RoHS; UL/C-UL; UL/C-UL or CSA
Pixel Failure Class	ISO 9241-307, Class 1

Audio	Integrated Speakers (10 W + 10 W); Optional Speakers (15 W + 15 W)
Shipping Content	Display; DisplayPort Cable; HDMI Cable; Power Cable; Remote Control; User Manual
Operating Hours	24/7

CE

RoHS

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