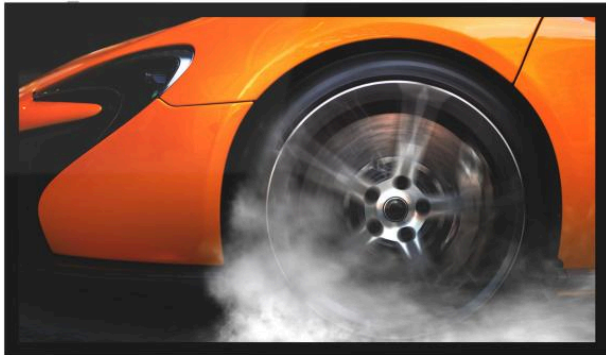


MultiSync® V554Q PCAP

LCD 55" Ultra-High Definition Large Format Touch Display

Datasheet



*Table Legs and PC Holder optional

Enticing table oriented touch for compelling signage and collaboration

Designed for table integration, this range of ultra-high definition displays offers a familiar smartphone-like touch experience for applications in retail, corporate meeting rooms and signage. With optional table legs, the appealing appearance creates an enticing tool with which to attract and engage audiences or facilitate collaboration in Think Tanks.

Using advanced 3M™ PCAP technology, any optical challenges as found in other projected capacitive technology such as moiré or sparkles are overcome resulting in exceptional touch performance with a smooth surface and high image quality. Perfectly suited to the rigors of public usage, the robust glass surface is resistant to scratches whilst its anti-glare property makes it suitable for use even in areas of high ambient light. Object detection capability opens intriguing signage opportunities especially for product promotion in retail.

Benefits

Designed for Table Installations – a completely flush and easy clean surface with no bezel enabling true edge-to-edge designs for a perfect touch experience.

Exceptional touch performance – with an astonishing 80 touch points the PCAP technology maintains high image quality with excellent touch responsiveness.

Creative signage potential – object detection capability supports identification of individual predefined objects placed on the surface, triggering content to change as they are lifted or replaced.

Best-in-class visual performance – benefit from a „pixel-free“ Ultra-High Definition (UHD) visual performance.

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 PCAP
Product Group	LCD 55" Ultra-High Definition Large Format Touch Display
Order Code	60004827

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 microSD (MediaPlayer); 1 x USB 2.0 (Downstream); 1 x USB 2.0 (MediaPlayer); 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]	4.7 / 75
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, 1 sensors, triggered actions programmable
NFC Sensor	Integrated, 2cm range, free NEC Android App required

Electrical

Power Consumption Eco/max. [W]	132 Eco (shipment setting), 182
Power Savings Mode [W]	< 0.5; < 2 (Networked Standby)
Power Management	VESA DPMS

Environmental Conditions

Operating Temperature [°C]	+0 to +35
Operating Humidity [%]	20 to 80
Storage Humidity [%]	10 to 90
Storage Temperature [°C]	-20 to 60

Mechanical

Dimensions (W x H x D) [mm]	1,279 x 749 x 75.9
Weight [kg]	42.5
Bezel Width [mm]	Edge-to-edge flush design (no bezel)
VESA Mounting [mm]	300 x 300 (FDMI); 4 holes; M6
Ingress Protection	IP5x (front); IP2x (back)

Glass

Thickness [mm]	4.4
Type	Premium toughened glass, anti-glare coating
Light Transmission [%]	89 (+/- 1 %)

Touch

Touch Technology	3M™ PCAP Touch
Number of Touches	Real multi-touch up to 80 touches
Touch Method	Finger; Thin Gloves
Supported Operating System	Native Multi-Touch: Windows 7, Windows 8, Windows 10, Linux, Android; Default Mouse: Windows XP, Windows Vista, Mac OS X
Data Interface	USB-HID
Accuracy [mm]	< 1

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); Soundbar; Table legs (ZLEGS-PCAP-55-850-W); Trolley (PD03Tipster, PDMHM-L, PD02MHA, PD03MHA); 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	HDBaseT receiver; Intel® Atom, Celeron and Core CPUs; OPS-2C Quad 3G SDI

Green Features

Energy Efficiency	ECOMode; Energy efficiency class: B; LED backlight
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Additional Features

Special Characteristics	12-bit Look Up table; 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; Scheduler; Screen saver functions; SNMP Support; TileMatrix (10 x 10); USB Media Player
Colour Versions	colour variations available on request
Safety and Ergonomics	CE; EAC; EMC Class B; REACH; RoHS
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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