Product Information Sheet

V554-SST (ShadowSense™)
LCD 55" Large Format ShadowSense™ Touch Display

The Team Mate for Self-Service Kiosks and POS Applications

For users of self-service kiosks, an effective user experience is essential in order to maintain customer satisfaction and loyalty. An intuitive and userfriendly touch behaviour is crucial to eliminate frustration and allow the user to concentrate on the buying process and not on the technology.

The 55" V554-SST 10-point touch display intelligently ignores accidental touches yet provides accurate and reliable touch performanceeven when in high ambient light to facilitate an eye-pleasing touch experience. The Open Modular Intelligence (OMI) approach provides tailor-made Interactive Solutions, where scalable computing power such as Raspberry Pi compute modules or OPS Slot-in PCs are seamlessly embedded into the display.

For interactive way finding signage, the V554-SST multi-touch display perfectly serves your end customers whilst increasing your ROI and securing your investment into a brighter future.

Benefits

- **ShadowSense Touch Technology** – market-leading touch performance for speed and accuracy, that is immune to ambient light and provides advanced features such as object size and shape recognition, palm rejection, touch size and speed control, hover distance control, and liquid rejection on the touch surface.

- **Avoid Touch Frustration** – satisfy users with the highest touch point accuracy, filtering out misleading touch-sizes and avoiding ghost touches even in high ambient light operation.

- **Seamless Touch Integration** – work hand-in-hand with multi-touch applications while using the 10 touch points of ShadowSense™ touch technology in real-time collaboration.

- **Simple Plug & Play** – no need to install any drivers on the host PC for all major operating systems.

- **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.

- **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	V554-SST (ShadowSense™ Touch)
Product Group	LCD 55" Value Large Format ShadowSense™ Touch Display
Order Code	V554-SST

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]	350/500
Contrast Ratio (typ.)	1200:1
Viewing Angle [°]	178° Vert., 178° Hor. at CR>10
Colour Depth [bn]	1.073 (10bit)
Response Time (typ.) [ms]	8 (grey-to-grey)
Haze Level [%]	Pro (44)
Supported Orientation	Face Up; Landscape; Portrait

Synchronisation Rate

Horizontal Frequency [kHz]	15.625/15.734, 31.5 - 91.1
Vertical Frequency [Hz]	50.0 - 85.0 (Analog Input) / 24.0 - 85.0 (Digital Input)

Resolution

Native Resolution	1920 x 1080
Supported Resolutions on HDMI	4096 x 2160 at 24Hz; 3840 x 2160 at 60/30/25/24Hz; 1920 x 1080 at 60 Hz; 1080p, 1080i, 720p at 60/50Hz; 576p at 50Hz; 576i at 50Hz; 480p at 60Hz; 480i at 60Hz

Connectivity

Input Video Analogue	1 x VGA;1 x Composite (RCA)
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

Electrical

Power Consumption [W]	110/<0.5
Power Savings Mode [W]	< 0.5 (ECO Standby); < 3 (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]	1279 x 754 x 81
Weight [kg]	38
Bezel Width [mm]	32
VESA Mounting [mm]	200 x 200 (FDMI); 4 holes; M6
Ingress Protection	IP40 (front); IP20 (back)

Touch

Touch Technology	ShadowSense™ Touch
Number of Touches	Real multi-touch up to 10 touches
Response Time [ms]	6 to 8
Touch Active Area (W x H) [mm]	1209.6 x 680.4
Touch Method	Finger; Gloves; Stylus (≥ 4 mm)
Siupported 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]	< 1.5
Touch Resolution	12-bit (4096 x 4096)
Ambient Light Rejection	Up to full sunlight (approx. 100000 lux)

Additional Features

Special Characteristics	Advanced fan control; Ambient Light Sensor; Automatic Alarm E-Mails; Copy display settings through RS232; DICOM support; Hardware colour calibration possible; Input name adjustment; Matrix memory; NaViSet Administrator 2; OSD rotation for portrait mode; PIN as theft protection; Rapid input switching; Scheduler; Screen saver functions; TileMatrix (10 x 10); User input priority definition; Various picture in picture options
Colour Versions	Black Front Bezel, Black Back Cabinet
Safety and Ergonomics	BSMI; C-tick; CE; EAC; FCC Class B; KC/KCC; PSB; SASO; TÜV GS; TÜV S; UL/C-UL or CSA; VCCI
Plug and Play	VESA DDC2Bi
Audio	Integrated Speakers (10 W + 10 W); Optional Speakers (15 W + 15 W)
Shipping Content	Display; Free LAN control software (download); Power Cable; Remote Control; VGA cable
Warranty	3 years conditional warranty; additional services available
Operating Hours	24/7

Available Options

Accessories	Wall Mount (LPAU, RXF2, RXT2, XSM1U, LSM1U, XTM1U, LTM1U, MTMP1U) *Wall Installation Only, not compatible with current NEC stands*
OPS Slot	HD-SDI 1.5G, 3G; HDBaseT receiver; Intel® Atom, Celeron and Core CPUs

Green Features

Energy Efficiency	Ambient light sensor; Annual energy consumption: 72 kWh (based on 4 operating hours per day); ECOMode; Energy efficiency class: B
Ecological Materials	Manuals on CD; Optional feet

For more information, visit au.nec.com, email contactus@nec.com.au or call 131 632

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