Product Information Sheet

V323-2-SST (Shadowsense)
LCD 32" Large Format ShadowSense™ Touch Display

The Team Mate for Self-Service Kiosks and POS Applications

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

The 32" V323-2-SST 10-point-touch display intelligently ignores accidental touches yet provides accurate and reliable touch performance even in high ambient light to facilitate an eye-pleasing buying experience.

The professional LED backlit 32 inch LCD panel with Full HD resolution is ideal where space is limited or for detailed display of content from short viewing distances such as for retail signage, information screens, baggage hall and check-in applications. The new design achieves reduced power consumption, whilst increasing its usage range thanks to landscape and portrait orientation capability.

For self-service and POS applications, this solution perfectly serves the visitor whilst increasing the ROI and securing the 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.
- **Ease of Use** – enhance the display with an optional "Windows based" Slot-in-PC using the integrated Ultra High Resolution OPS option slot, thereby simplifying installations and reducing the points of failure.
- **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	V323-2-SST (ShadowSense™ Touch)
Product Group	LCD 32" Value Large ShadowSense™ Touch Display
Order Code	V323-2-SST

Display

Panel Technology	S-IPS with Edge LED backlights
Active Screen Area (W x H) [mm]	698.4 x 392.9
Screen Size [inch/cm]	32 / 80
Aspect Ratio	16:9
Brightness [cd/m²]	450, 270 Eco (shipment setting)
Contrast Ratio (typ.)	1300:1
Viewing Angle [°]	178° Vert., 178° Hor. @ CR>10
Response Time [ms]	8 / 12 / 25 (depending on Image Response setting)
Panel Refresh Rate [Hz]	60
Haze Level [%]	1
Supported Orientation	Landscape; Portrait; Face Up

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 at 60 Hz
Supported Resolutions on HDMI	1920 x 1080 at 60 Hz; 1080p, 1080i, 720p at 50 / 60 Hz; 576p at 50 Hz; 576i at 50 Hz; 480p at 60 Hz; 480i at 60 Hz

Connectivity

Input Video Analogue	D-Sub15 (PC RGB, Component, S-Video, Composite)
Input Video Digital	1 x DisplayPort (with HDCP); 1 x DVI-D (with HDCP); 1 x HDMI 1.3 (with HDCP)
Input Audio Analogue	1 x 3.5 mm jack
Input Audio Digital	1 x HDMI; DisplayPort
Input Control	LAN 100Mbit; remote control wire (3.5 mm jack); RS232
Output Video Digital	1 x DVI-D (with HDCP)
Output Audio Analogue	3.5 mm jack
Output Control	remote control wire (3.5 mm jack); RS232
Remote Control	LAN with SNMP; Remote Control IR (internal/external (optional) sensor); RS-232C (9-pin D-sub) Input and Output

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]	16/0

Electrical

Power Consumption [W]	50/<0.5
Power Savings Mode [W]	< 0.5 (ECO Standby); <1 (POWER SAVE)
Power Management	VESA DPMS

NEC

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]	769 x 464 x 76
Weight [kg]	14
Bezel Width [mm]	32
VESA Mounting [mm]	200 x 200 (FDMI); 4 holes; M6

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]	698 x 393
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 (2 x 8 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 (LCM1U, MCM1U, RMF2, RMT2, MSM1U, MTM1U, MTMP1U, TS218SU) *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

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

NEC