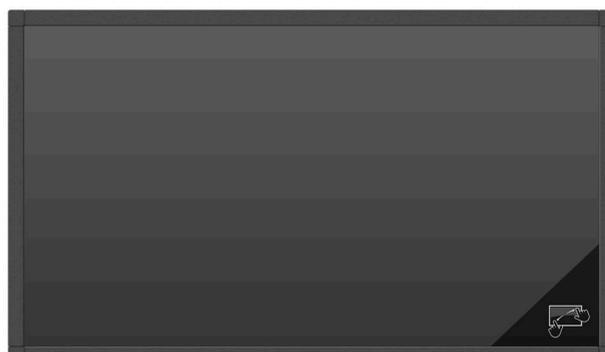


Product Information Sheet

V652-SST (ShadowSense™) LCD 65" 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 65" V652-SST 10-point touch display intelligently ignores accidental touches yet provides accurate and reliable touch performance even 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 V652-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 Information

| | |
|---------------|---|
| Product Name | V652-SST (ShadowSense™ Touch) |
| Product Group | LCD 65" Value Large Format ShadowSense™ Touch Display |
| Order Code | V652-SST |

Display

| | |
|---------------------------------|--------------------------------|
| Panel Technology | AMVA3 with Edge LED backlights |
| Active Screen Area (W x H) [mm] | 1,428.5 x 803.5 |
| Screen Size [inch/cm] | 65 / 165 |
| Aspect Ratio | 16:9 |
| Brightness [cd/m²] | 320/450 |
| Contrast Ratio (typ.) | 4000:1 |
| Viewing Angle [°] | 178° Vert., 178° Hor. at CR>10 |
| Response Time (typ.) [ms] | 8 (grey-to-grey) |
| Panel Refresh Rate [Hz] | 60 |
| Haze Level [%] | 11 |
| Supported Orientation | 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 at 60 Hz |
| Supported Resolutions on HDMI | 1920 x 1080 at 60Hz; 1080p, 1080i, 720p at 50/60Hz; 576p at 50Hz; 576i at 50Hz; 480p at 60Hz; 480i at 60Hz |

Connectivity

| | |
|-----------------------|--|
| Input Video Analogue | 1 x D-sub 15 pin; Composite (BNC); RGBHV for PC and Component/Composite (BNC) |
| 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; 1 x 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 | RS232 |
| Remote Control | LAN with SNMP; Remote Control IR (internal/external (optional) sensor); RS-232C (9-pin D-sub) Input and Output |

Option Slot

| | |
|-------------------------|---|
| Slot Technology | STv2 (compatible with Intel / NEC OPS standard) |
| Inrush Current [A] | max. 10 |
| Power Consumption [W] | max. 61 |
| Voltage / Current [V/A] | 16/4 |

V652-SST - LCD 65" Large Format ShadowSense Touch Display

Electrical

| | |
|------------------------|--------------------------------------|
| Power Consumption [W] | 185/<0.5 |
| Power Savings Mode [W] | < 0.5 (ECO Standby); <2 (POWER SAVE) |
| 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] | 1539 x 906 x 101 |
| Weight [kg] | 70 |
| Bezel Width [mm] | 40.35/45 (L/R & T/B) |
| VESA Mounting [mm] | 4 holes; 400 x 400 (FDMI); M8 |
| Ingress Protection | TBC |

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] | 1,429 x 804 |
| Touch Method | Finger; Gloves; Stylus (≥ 4 mm) |
| 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] | < 1.5 |
| Touch Resolution | 12-bit (4096 x 4096) |
| Ambient Light Rejection | Up to full sunlight (approx. 100000 lux) |

Additional Features

| | |
|-------------------------|---|
| Special Characteristics | Advanced fan control; Automatic Alarm E-Mails; Copy display settings through RS232; Crestron Connected Support; DICOM support; Hardware colour calibration possible; Input name adjustment; Matrix memory; NaViSet Administrator 2; 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 | C-tick; CE; FCC Class B; 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; Free LAN control software (download); Power Cable; Remote Control |
| Warranty | 3 years conditional warranty; additional services available |
| Operating Hours | 24/7 |

Available Options

| | |
|-------------|--|
| Accessories | Wall Mount (RXF2, RXT2, XSM1U, XTM1U, PSMH2840) *Wall Installation Only, not compatible with current NEC stands* |
| Option Slot | HD-SDI 1.5 and 3G; Intel Atom, Celeron and Core CPUs |

V652-SST - LCD 65" Large Format ShadowSense Touch Display

Green Features

Energy Efficiency Ambient light sensor; Annual energy consumption: 269 kWh (based on 4 operating hours per day); Carbon savings meter; ECOMode; Energy efficiency class: B

Ecological Materials Manuals on CD; Optional feet



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