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# NEC Touch-Integrated V Series
*42", 46" & 65" touch-integrated, commercial-grade LCD displays*

**Experience top-of-the-line touchscreen capability without having to maximize your budget.** The 42" V423-TM, 46" V463-TM and 65" V652-TM provide a cost-conscious, fully integrated touchscreen solution for your digital signage and interactive screen applications. Their integrated 4-camera optical imaging touch components and anti-reflective protective glass, combined with a high-performance panel and advanced technologies, make these displays ideal for any multi-touch application. Utilize multiple simultaneous touches to provide interactivity within the classroom, exhibit wayfinding in retail environments, build brand awareness or turn heads during hands-on presentations. The V423-TM, V463-TM and V652-TM also support Open Pluggable Specification (OPS), the first industry-wide standardization in option slots, simplifying installation, use and maintenance of digital content.

## Highlights

- **Integrated optical imaging** allows for multiple simultaneous touch points*
- **Four low profile sensors** are embedded into each corner of active area, allowing for an integrated touch solution
- **Infrared light guides** are installed along each side of the panel and emit a thin, planar beam of light to fill the sensing region
- **Anti-Reflective Glass** is integrated on the panel, protecting the liquid crystal display, while providing high brightness transmittance and low glass reflectance
- **Environmentally-Friendly Components** utilizing LED backlighting, which reduces power consumption and results in a lower total cost of ownership
- **Expanded connectivity with built-in expansion slot** allows for seamless integration of current and future NEC accessories and third-party components
- **Commercial-grade design** leads to the displays' extended use for various applications
- **Comprehensive input panel** connects you to the latest peripherals
- **High brightness and contrast ratio** help create eye-catching images and crisp, easy-to-read text
- **Integrated 10W speakers** provide stereo audio for those applications requiring sound
- **Extensive control, diagnostic and communication** provide the highest level of remote display management. These include:
    - **RS-232-enabling multi-display control and daisy chain** allows for individual and group-addressable control, and simple, effective setup and monitoring of the display
    - **Ethernet connectivity** adds the same RS-232 control plus automatic email notification for diagnostic purposes
    - **NaViSet Administrator 2™** offers an intuitive graphical interface, allowing for easy adjustment of display settings via mouse and keyboard. NaViSet Administrator 2 provides all the advanced control to remotely located IT professionals.
    - **DDC/CI standard** allows for PC control of the display based on the VESA command set
- **Scheduler with round-the-clock feature** allows for 7-day scheduling of content and powering of the display
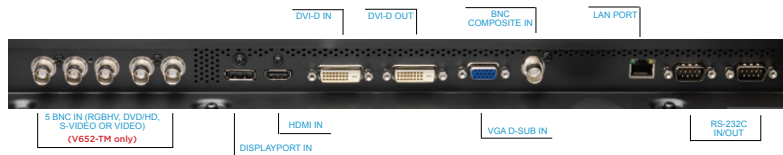- **Built-in handles**, available with larger-sized models, allow for easier transport and installation

*\* Dependent upon the operating system in use*

necdisplay.com **NEC**

## Specifications for V423-TM/V463-TM/V652-TM

| MODEL | V423-TM | V463-TM | V652-TM |
|---|---|---|---|
| **LCD MODULE** | | | |
| Panel Technology | S-IPS | AMVA | |
| Viewable Image Size | 42" | 46" | 65" |
| Native Resolution | 1920 x 1080 | | |
| Brightness (Typical/Maximum) | 310cd/m2 / 430 cd/m² | 330 cd/m² / 480 cd/m² | 320 cd/m² / 450 cd/m² |
| Contrast Ratio (Typical) | 1300:1 | 3000:1 | 4000:1 |
| Viewing Angle | 174° Vert., 174° Hor. (87U/87D/87L/87R) @ CR>10 | | 178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10 |
| Aspect Ratio | 16:9 | | |
| Active Screen Area (W x H) | 36.6 x 20.6 in./ 930.2/523.3mm | 40.1 x 22.5 in. / 1018.1 x 572.7mm | 56.2 x 31.6 in. / 1428.5 x 803.5mm |
| Orientation | Landscape/Portrait | | |
| Displayable Colors | More than 16.7 million | | |
| Brightness Transmission | 96% | | |
| Light Reflection | 2% | | |
| Touch Method and Object Size | +- 3.0mm, 100% of touchable active area | | |
| **CONNECTIVITY** | | | |
| PC/Mac Signal Compatibility | Yes | | |
| **Input Terminals** | | | |
| Digital | DisplayPort, HDMI, DVI-D | | |
| Analog | VGA 15-pin D-sub (shared S-Video, VIdeo, Component), BNC Composite | | VGA 15-pin D-Sub, 5 BNC (RGBHV, DVD/HD, Video or S-Video), BNC Composite |
| Audio | RCA Audio, Stereo Mini-Jack, HDMI Audio, DisplayPort Audio | RCA Audio, Stereo Mini-Jack, HDMI Audio, DisplayPort Audio | Stereo Mini-Jack, HDMI Audio, DisplayPort Audio |
| External Control | RS-232C, Ethernet (RJ45), IR Remote, DDC/CI | | |
| **Output Terminals** | | | |
| Digital | DVI-D | | |
| Analog | N/A | | |
| Audio | Stereo Mini-Jack, External Speaker Jack (2) | | |
| External Control | RS-232C, IR Remote | | |
| **POWER CONSUMPTiON** | | | |
| On (Typical) | 95W | 85W | 190W |
| ECO Mode Standby | <1W | | <2W |
| **PHYSICAL SPECIFICATIONS** | | | |
| Bezel Width (L/R, T/B) | 1.3 in. / 1.3 in. ; 1.3 in. / 1.3 in. 32.8mm/32.8mm , 32.8mm/32.8mm | | 2.1 in./2.1 in., 2 in./2.1 in.; 53.5mm/53.5mm, 50.5mm/50.5mm |
| Net Dimensions (without stand; WxHxD) | 39.7 x 23.7 x 3.3 in. / 1008.0mm x 601.0mm x 83.5mm | 43.1 x 25.6 x 3.2 in. ; 1095 x 650 x 80.3mm | 60.6 x 35.8 x 3.5 in. / 1540.4 x 909.2 x 88.3mm |
| Net Weight (without stand) | 54.5 lbs. / 24.7 kg | 62.0 lbs. / 66.1kg. | 150.6 lbs. / 68.3 kg |
| VESA Hole Configuration | 300 x 300mm (4-hole) | | 400 x 400mm (4-hole) |
| **ENVIRONMENTAL CONDITIONS** | | | |
| Operating Temperature | 41-104°F / 5-40°C | | |
| Operating Humidity | 20 - 80% | | |
| Operating Altitude | 9843 ft. / 3000m | | |
| **LIMITED WARRANTY** | 3 years parts and labor, including backlight* | | |
| **ADDITIONAL FEATURES** | Integrated 4-camera optical imaging touch solution; Double AR protective glass; Advanced thermal capabilities; Advanced cooling system; Ethernet Control and Communication; RS-232 Control and Communication; Carbon footprint meter; Plug and Play (DDC/CI, DDC2B); Scheduler (w/ real-time clock); Built-in speakers; OPS/Expansion slot | | |
| **SHIPS WITH** | Power cord; 1.8m DVI-D cable; Wireless remote control; Batteries; Main switch cover; CD-ROM (user manual); Clamp; Screws; USB A to B Cable | | |
| **OPTIONAL ACCESSORIES** | Speakers (SP-RM2); Stand (ST-322); Quad Core AMD OPS PC with Windows 7 Professional (OPS-PCAFQ-PH) | Speakers (SP-RM1 and SP-TF1); Stand (ST-4620); Quad Core AMD OPS PC with Windows 7 Professional (OPS-PCAFQ-PH) | Speakers (SP-RM1); Stand (ST-651); Quad Core AMD OPS PC with Windows 7 Professional (OPS-PCAFQ-PH) |

\* Warranty restrictions apply. Contact your representative for details.

### Input panels for V423-TM, V463-TM and V652-TM



DVI-D IN · DVI-D OUT · BNC COMPOSITE IN · LAN PORT
5 BNC IN (RGBHV, DVD/HD, S-VIDEO OR VIDEO) (V652-TM only) · DISPLAYPORT IN · HDMI IN · VGA D-SUB IN · RS-232C IN/OUT
STEREO MINI-JACK (2) · AUDIO MINI-JACK IN/OUT

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