# NEC Touch-Integrated V Series

## 46" & 65" touch-integrated, commercial-grade LCD displays



**Experience top-of-the-line touchscreen capability without having to maximize your budget.** The 46" V462-TM and 65" V651-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 double-sided anti-reflective protective glass, combined with a high-performance panel and advanced technologies, make these displays ideal for any multi-touch application. Utilize up to six simultaneous touches to provide interactivity within the classroom, exhibit wayfinding in retail environments, build brand awareness or turn heads during hands-on presentations. The V462-TM and V651-TM also support Open Pluggable Specification (OPS), the first industry-wide standardization in option slots, simplifying installation, use and maintenance of digital content.
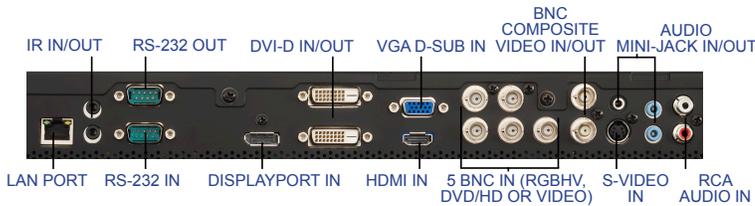
## Highlights

- **Integrated optical imaging** allows for up to six simultaneous touch points*
- **Four 2-megapixel sensors** with a total height of 4mm are embedded into each corner of active area, allowing for an extremely low-profile 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
- **Double-sided AR Glass** is integrated on the panel, protecting the liquid crystal display, while providing high brightness transmittance and low glass reflectance
- **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
- **Public-display-grade panel** protects against permanent image retention
- **Comprehensive input panel**, including DisplayPort, HDMI, 5 BNC (RGBHV, DVD/HD, or composite video), DVI-D (in/out), and 15-pin D-sub in/out, 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™ software** offers an intuitive graphical interface, allowing for easy adjustment of display settings via mouse and keyboard. NaViSet Administrator 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
- **Extensive environment-friendly components** contribute to significant energy savings and a lower total cost of ownership
- **Built-in handles**, available with larger-sized models, allow for easier transport and installation

*\* Dependent upon the operating system in use.*

## NEC

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## Specifications for V462-TM/V651-TM

| MODEL | V462-TM | V651-TM |
|---|---|---|
| **LCD MODULE** | | |
| Panel Technology | SPVA (B-DID) | A-MVA |
| Viewable Image Size | 46" | 65" |
| Native Resolution | 1920 x 1080 | |
| Brightness (Typical/Maximum) | 330 cd/m² / 430 cd/m² | 360 cd/m² / 480 cd/m² |
| Contrast Ratio (Typical) | 3000:1 | 5000:1 |
| Viewing Angle | 178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10 | |
| Response Time (G-to-G) | 8ms | |
| Aspect Ratio | 16:9 | |
| Active Screen Area (W x H) | 40.1 x 22.6 in. / 1018.1 x 572.9mm | 56.2 x 31.6 in. / 1428.5 x 803.5mm |
| Orientation | Landscape/Portrait | Landscape |
| Displayable Colors | More than 16.7 million | |
| Brightness Transmission | >96% | |
| Light Reflection | <2% | |
| Touch Method and Object Size | Finger, glove and stylus with 12mm diameter and above | |
| **CONNECTIVITY** | | |
| PC/Mac Signal Compatibility | Yes | |
| **Input Terminals** | | |
| Digital | DisplayPort, HDMI, DVI-D | |
| Analog | VGA 15-pin D-sub, 5 BNC (RGBHV, DVD/HD or Video), BNC Composite, S-Video | |
| Audio | RCA Audio, Stereo Mini-Jack (2), HDMI Audio, DisplayPort Audio | |
| External Control | RS-232C, Ethernet (RJ45), IR Remote, DDC/CI | |
| **Output Terminals** | | |
| Digital | DVI-D | |
| Analog | BNC Composite | |
| Audio | Stereo Mini-Jack, External Speaker Jack (2) | |
| External Control | RS-232C, IR Remote | |
| **POWER CONSUMPTION** | | |
| On (Typical) | 165W | 330W |
| ECO Mode Standby | <1W | |
| **PHYSICAL SPECIFICATIONS** | | |
| Bezel Width (L/R, T/B) | 2 in./2 in., 1.8 in./1.8 in. ; 50.4mm/50.4mm, 45mm/45mm | 2.1 in./2.1 in., 2 in./2 in. ; 53.5mm/53.5mm, 51.5mm/51.5mm |
| Net Dimensions (without stand; WxHxD) | 44.2 x 26.2 x 4.8 in. / 1121.5 x 664.7 x 121.5mm | 60.6 x 35.8 x 5.2 in. / 1540.4 x 909.2 x 132.7mm |
| Net Weight (without stand) | 73.6 lbs. / 33.4 kg | 165.9 lbs. / 75 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; Sealed panel design; TileMatrix (10x10); TileComp; Separate group/Monitor ID function; 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; VGA cable (Mini 15-pin D-sub); Wireless remote control; Batteries; Main switch cover; CD-ROM (user manual); Clamp; Screws; USB A to B Cable | |
| **OPTIONAL ACCESSORIES** | Speakers (SP-RM1 and SP-4046PV); Stand (ST-4620); Adapter Mount Kit (AMK-V462) | Speakers (SP-RM1); Stand (ST-651) |
| | Single Board Computer (NET-SBC-01); Single Board Computer (NET-SBC-02); Single Board Computer (NET-SBC-03); Internal HD-SDI Card (SB-L007KK); DVI Daisychain (SB-L008WU); Digital IP Tuner (MPD-DTi); Wall Mount Kit (WMK-3257); Accessory pack for Wall Mount Kit (MIS513); OPS with Intel Core i5 (N8000-8830); OPS with AMD Dual Core Fusion, 160GB Hard Drive, W7P (OPS-PCAF-WH); OPS with AMD Dual Core Fusion, 32GB SSD, W7P (OPS-PCAF-WS); OPS with AMD Dual Core Fusion, 160GB Hard Drive, No OS (OPS-PCAF-H); OPS with AMD Dual Core Fusion, 32GB SS, W7P (OPS-PCAF-S); OPS Adapter (SB-02AM) | |

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



IR IN/OUT   RS-232 OUT   DVI-D IN/OUT   VGA D-SUB IN   BNC COMPOSITE VIDEO IN/OUT   AUDIO MINI-JACK IN/OUT

LAN PORT   RS-232 IN   DISPLAYPORT IN   HDMI IN   5 BNC IN (RGBHV, DVD/HD OR VIDEO)   S-VIDEO IN   RCA AUDIO IN

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