

# NEC MultiSync® V652-TM (MultiTouch)

Order Code: V652-TM

NEC LCD 65" Large Format Display

NEC MultiSync® V652-TM is the new multi-touch product of NEC's V Series boasting 65" in size and delivering true multi-touch support with up to 5 simultaneous touch points. Thanks to a unique anti reflective coating, reflections are reduced to a minimum which significantly increases the readability of the content shown. The OPS option slot for e.g. a slot-in PC helps to save space and does away with any cables including the USB cable external PC solutions may need.

V652-TM is ideal for retail signage, conference room and education applications delivering short response times and a high level of accuracy.



## DELIVERING GENUINE BENEFITS

**Multi-Touch** - true multi-touch support with up to 5 simultaneous touch points, gesture control for Windows 7/8, Mac and Linux driver support.

**Optical Camera Technology** - with 4 integrated cameras for quick touch response and perfect usability.

**Comprehensive Touch Usage** - possible usage with Finger, Stylus and Gloves.

**Protective Glass** - single anti-reflection coating for perfect visibility, full-tempered glass for security.

**Future Ready with OPS Cable Free Expansion** - Upgrade the power of your display at any time without the need for external cables or devices.

**Free DisplayNote Presenter Licence** - present, share, collaborate with multiple participants across multiple devices (limited availability).

**Free Download of Multi-Display Management Software** - with NaViSet Administrator 2 you can manage all your connected display devices from a centralised location.



## OUTSTANDING PERFORMANCE

- **NEC unique thermal monitoring and control.** NEC pioneered advanced thermal control and monitoring for public displays which is still unmatched. It secures longevity and reliability even in very demanding installations.
- **NEC's OPS technology** which was developed in cooperation with Intel enables the user to integrate various option boards enhancing flexibility and future functionality.
- **Peace of mind** thanks to full control of the display via LAN with free NEC software and alert emails in the unlikely event of a problem such as no signal, overheating, back light failure etc.
- **Integrated speakers** save installation costs and preserve the clean look of the display.
- **Daisy chaining via DVI** (max. 9 pieces) offering high flexibility at no extra cost if the signal needs to be passed on for videowalls or back-to-back installations.
- **Copy Settings** feature via RS232 to reduce installation cost for larger role outs.



1. RGB/HV IN [R, G, B, H, V] (BNC)
2. DISPLAYPORT connector
3. HDMI connector
4. DVI connector (DVI-D)
5. VGA IN (mini D-Sub 15 pin)
6. VIDEO1 IN connector (BNC)
7. LAN port (RJ-45)
8. RS-232C (D-Sub 9 pin)
9. REMOTE IN (Black)
10. AUDIO OUT (Blue)
11. AUDIO IN 1 (Blue)
12. EXTERNAL SPEAKER TERMINAL
13. Internal/External speaker switch

### SPECIAL CHARACTERISTICS

Advanced fan control, Automatic Alarm E-Mails, Copy display settings through RS232, DICOM support, FREE DisplayNote Presenter, Hardware colour calibration possible, Input name adjustment, Matrix memory, PIN as theft protection, Rapid input switching, Scheduler, Screen saver functions, TileMatrix (10 x 10), User input priority definition, Various picture in picture options



**Energy Efficiency** Ambient light sensor; Carbon savings meter; ECOMode

**Ecological Materials** Optional feet; Manuals on CD

Technical Specification NEC MultiSync® V652-TM (MultiTouch)	
<b>DISPLAY</b>	
Panel Technology	AMVA3 with Edge LED backlights
Active Screen Area (W x H) [mm]	1,428.5 x 803.5
Screen Size [inch/cm]	64.5 / 163.9
Aspect Ratio	16:9
Brightness (shipping) [cd/m <sup>2</sup> ]	320, (450 max)
Contrast Ratio (typ.)	4000:1
Viewing Angle [°]	89 horizontal / 89 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	8 (grey-to-grey)
Panel Refresh Rate [Hz]	60
<b>SYNCHRONISATION RATE</b>	
Horizontal Frequency [kHz]	31.5 - 91.1 (analog and digital)
Vertical Frequency [Hz]	25.2 - 85
<b>RESOLUTION</b>	
Native Resolution	1920 x 1080 at 60 Hz
Supported on digital and analogue inputs (PC)	1920 x 1080; 1680 x 1050; 1600 x 1200; 1400 x 1050; 1366 x 786; 1280 x 1024; 1280 x 960; 1280 x 800; 1280 x 768; 1280 x 720; 1024 x 768; 800 x 600; 720 x 576; 720 x 400; 640 x 480
Supported on digital inputs (Video)	1920 x 1080i (59.94/60)16:9; 1920 x 1080i (50)16:9; 1920 x 1080p (59.94/60) 16:9; 1920 x 1080p (50)16:9; 1920 x 1080p (23.97/24)16:9; 1920 x 1080p (25) 16:9; 1920 x 1080p (29.97/30)16:9; 1280 x 720p (59.94/60)16:9; 1280 x 720p (50) 16:9; 720 x 576p (50)16:9; 720 x 480p (59.94/60)16:9
<b>CONNECTIVITY</b>	
Input Video Analogue	1 x D-sub 15 pin; Composite (BNC); RGBHV for PC and Component/Composite (BNC)
Input Video Digital	1 x DVI-D (with HDCP); 1 x HDMI 1.3 (with HDCP); 1 x DisplayPort (with HDCP)
Input Audio Analogue	1 x 3,5 mm jack
Input Audio Digital	DisplayPort; 1 x HDMI
Input Control	LAN 100Mbit; remote control wire (3,5mm jack); RS232
Output Video Digital	1 x DVI-D (with HDCP)
Output Audio Analogue	3,5mm jack
Output Control	RS232
Remote Control	LAN with SNMP; RS-232C (9-pin D-sub) Input and Output; Remote Control IR (internal/external (optional) sensor)
<b>OPS OPTION SLOT</b>	
Slot Technology	Open pluggable specification (NEC / Intel OPS standard)
Inrush Current [A]	max. 10
Power Consumption [W]	max. 61
Voltage / Current [V/A]	16/4
<b>ELECTRICAL</b>	
Power Consumption on Mode [W]	185 shipping; 360 (max.)
Power Savings Mode [W]	< 0.5 (ECO Standby); < 1
Power Management	VESA DPMS
<b>ENVIRONMENTAL CONDITIONS</b>	
Operating Temperature [°C]	+0 to +35
Operating Humidity [%]	20 to 80
Storage Humidity [%]	10 to 90
Storage Temperature [°C]	-20 to +60
<b>MECHANICAL</b>	
Dimensions (W x H x D) [mm]	Without stand: 1,540.4 x 909.2 x 102
Weight [kg]	Without stand: 68.3
Bezel Width [mm]	53.5 (left and right); 50.5 (top and bottom)
VESA Mounting [mm]	400 x 400 (FDMI); 4 holes; M8
<b>AVAILABLE OPTIONS</b>	
Accessories	Feet (ST-651); Speaker (SP-RM1); Wall mounts (LSMU, LTMU, LTAPU)
Option Slot	HD-SDI 1.5 and 3G; Intel Core i5 and i7; Slot-in PC (Core i5/7 with WS7P recommended)
<b>ADDITIONAL FEATURES</b>	
Colour Versions	Black Front Bezel, Black Back Cabinet
Safety and Ergonomics	C-tick; CE; FCC Class B; PSB; TÜV GS; UL/C-UL or CSA; VCCI; RoHS
Audio	Integrated Speakers (10 W + 10 W); Optional Speakers (15 W + 15 W)
Shipping Content	USB cable; Display; DVI-D cable; Power Cable; Free LAN control software (download); Remote Control; CD-ROM (User Guides/Manuals)
Warranty	3 year conditional warranty incl. backlight
<b>TOUCH</b>	
Touch technology	Optical Camera with 4 Cameras
Protection Glass	5 mm, double sided anti-reflection, fully tempered
Input Method	Finger; Stylus; Gloves
Light Transmission [%]	96
Reflection Rate [%]	2
Driver	1 touch point: Windows XP, Mac OS, Linux; 4 touch points: Windows Vista; 5 touch points (incl. gesture control): Windows 7, Windows 8
Communication Protocol	USB-HID; RS323

For more information, visit [www.nec.com.au](http://www.nec.com.au)  
 email [contactus@nec.com.au](mailto:contactus@nec.com.au)  
 or call **131 632**