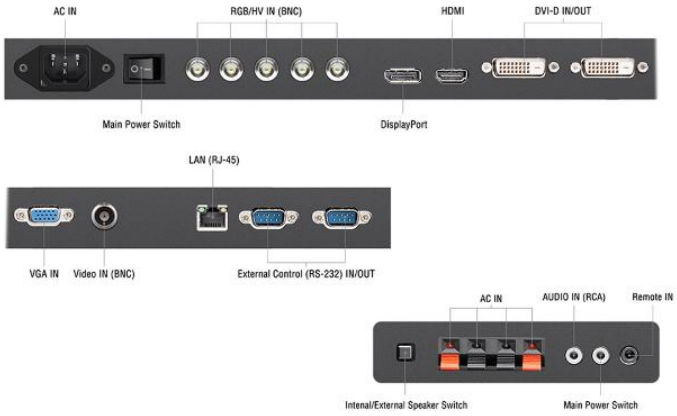
\Orchestrating a brighter world

MultiSync® V552-TM (Infrared Touch)

LCD 55" Value Large Format Touch Display

Datasheet





NEC MultiSync ® V552-TM is the new multi-touch product of NEC's V Series boasting 55" in size and delivering true multitouch support with up to 6 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.

V552-TM is ideal for retail signage, way finding, conference room and education applications delivering short response times and a high level of accuracy.

Benefits

Multi-Touch – true multi-touch support with up to 6 simultaneous touch points, gesture control for Windows 7/8, Mac and Linux driver support.

Infrared Touch – offering quick touch response and perfect usability.

DICOM support – for medical applications.

Driver-free – no need to install any drivers on the host PC for all major operating systems. Interface to host PC is USB HID protocol with no drivers, calibration or application software on the host.

Calibration-free – due to robust and accurate design, no drift, mechanical alignment or temperature issues. No re-calibration of the touch system necessary.

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

Protective Glass – single anti-reflection coating for perfect visibility, premium toughened glass for security.

Future Ready with OPS Cable Free Expansion – upgrade the power of your display at any time while seamlessly integrating one of our various Slot-in PCs, signal interfaces and other OPS compatible products without the need for external cables or devices.

Free DisplayNote Multiuser Licence – present, share, collaborate with up to 5 participants across multiple devices (available until March 2018).

Product Information

Product Name	MultiSync® V552-TM (Infrared Touch)
Product Group	LCD 55" Value Large Format Touch Display
Order Code	60003678

Display

Panel Technology	AMVA3 with Edge LED backlights
Active Screen Area (W x H) [mm]	1,209.6 x 680.4
Screen Size [inch/cm]	55 / 140
Aspect Ratio	16:9
Brightness [cd/m²]	450, 172 Eco (shipment setting)
Contrast Ratio (typ.)	4000:1
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	6.5 (grey-to-grey)
Panel Refresh Rate [Hz]	60

Synchronisation Rate

Horizontal Frequency [kHz]	31.5 - 91.1 (analog and digital)
Vertical Frequency [Hz]	25.2 - 85

Resolution

Native Resolution	1920 x 1080 at 60 Hz
Supported Resolutions	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; 1140 x 900; 1024 x 768; 800 x 600; 720 x 576; 720 x 480; 720 x 400; 640 x 480
Supported on digital inputs (Video)	1920 x 1080i (59.94/60)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 (50)16:9; 720 x 576p (50)16:9; 720 x 480p (59.94/60)16:9

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; 1 x DVI-D (with HDCP); 1 x HDMI 1.3
Input Audio Analogue	1 x 3,5 mm jack
Input Audio Digital	1 x HDMI; DisplayPort
Input Control	LAN 100Mbit; remote control wire (3,5mm jack); RS232
Output Video Digital	1 x DVI-D
Output Audio Analogue	3,5mm 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

Electrical

Power Consumption [W]	96 Eco (shipment setting), 130
Power Savings Mode [W]	< 0.5 (ECO Standby); < 1

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]	Without stand: 1,294.4 x 765.2 x 86.5
Weight [kg]	Without stand: 40.8
Bezel Width [mm]	41.4 (left and right); 41.4 (top and bottom)
VESA Mounting [mm]	300 x 300 (FDMI); 4 holes; M6
Ingress Protection	IP40 (front); IP20 (back)

Glass

Thickness [mm]	4
Type	Double sided anti-reflection, fully tempered
Light Transmission [%]	96 (+/- 2 %)
Reflection Rate [%]	2

Touch

Touch Technology	Infrared Touch
Number of Touches	Real multi-touch up to 6 touches
Response Time [ms]	0 to 20
Touch Method	Finger; Gloves; Stylus
Operating System	Native Multi-Touch: Windows7, Windows8; Single Touch (Windows XP, Windows Vista, Linux, MAC OS X, Android)
Accuracy [mm]	< 2
Touch Resolution	32767 x 32767

Additional Features

Special Characteristics	Advanced fan control; 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; Scheduler; Screen saver functions; TileMatrix (10 x 10); User input priority definition; Various picture in picture options
Safety and Ergonomics	C-tick; CE; FCC Class B; PSB; RoHS; TÜV GS; UL/C-UL or CSA; VCCI
Plug and Play	VESA DDC2Bi
Audio	Integrated Speakers (10 W + 10 W); Optional Speakers (15 W + 15 W)
Shipping Content	Display; DVI-D cable; Free LAN control software (download); Power Cable; Remote Control; USB cable
Warranty	3 years warranty incl. backlight
Operating Hours	16/7

Available Options

Accessories	Feet (ST-4620); Speaker (SP-RM1); Trolley (PDMHA, PDMHM-L); Wall mount (PDWHM-M, PDW S 32-55 L and P, PDW T L L and P)
OPS Slot	HD-SDI 1.5, 3.5; HDBaseT receiver; Slot-inPC (Intel® Core i5/i7 with WS7P recommended)

Green Features

Energy Efficiency	Ambient light sensor; Annual energy consumption: 139 kWh (based on 4 operating hours per day); Carbon savings meter; ECOMode; Energy efficiency class: A
Ecological Materials	Manuals on CD; Optional feet

This document is © 2017 NEC Display Solutions Europe GmbH.

All rights reserved in favour of their respective owners. All hardware and software names are brand names and/or registered trademarks of the respective manufacturers. All specifications are subject to change without notice. Errors and omissions are excepted. 01.06.2017