

## MultiSync® V463-TM (Optical Camera Touch)

### NEC LCD 46" Value Large Format Touch Display

## Datasheet



NEC MultiSync® V463-TM is the new multi-touch product of NEC's V Series boasting 46" in size and delivering true multitouch 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.

V463-TM is ideal for retail signage, way finding, conference room and education applications delivering short response times and a high level of accuracy.

## Benefits

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

**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.

**DICOM support** – for medical applications.

**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.

**Infrared Touch** – offering quick touch response and perfect usability.

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

**Free DisplayNote Multiuser Licence** – present, share, collaborate with up to 5 participants across multiple devices (available until March 2017).

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

## Product Information

Product Name	MultiSync® V463-TM (Optical Camera Touch)
Product Group	NEC LCD 46" Value Large Format Touch Display
Order Code	60003551

## Display

Panel Technology	AMVA3 with Edge LED backlights
Active Screen Area (W x H) [mm]	1,018 x 573
Screen Size [inch/cm]	46 / 117
Aspect Ratio	16:9
Brightness [cd/m²]	480, 171 Eco (shipment setting)
Contrast Ratio (typ.)	4000:1
Viewing Angle [°]	87 horizontal / 87 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 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 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)
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; DisplayPort
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; Remote Control IR (internal/external (optional) sensor); RS-232C (9-pin D-sub) Input and Output

## OPS Option Slot

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

## Electrical

Power Consumption [W]	77 Eco (shipment setting), 105
Power Savings Mode [W]	< 0.5 (ECO Standby); < 1
Power Management	VESA DPMS

## Environmental Conditions

Operating Temperature [°C]	+0 to +35
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: 1,095 x 650 x 80.3
Weight [kg]	Without stand: 27.7
Bezel Width [mm]	32.8 (left and right); 32.8 (top and bottom)
VESA Mounting [mm]	300 x 300 (FDMI); 4 holes; M6
Ingress Protection	IP40 (front); IP20 (back)

## Touch

Touch Technology	Optical Camera with 4 Cameras
Protection Glass	4 mm, double sided anti-reflection, fully tempered
Touch Method	Finger; Gloves; Stylus
Operating System	1 touch point: Windows XP, Mac OS, Linux; 4 touch points: Windows Vista; 5 touch points (incl. gesture control): Windows 7, Windows 8
Data Interface	RS323; USB-HID
Light Transmission [%]	96
Reflection Rate [%]	2

## 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; OSD rotation for portrait mode; PIN as theft protection; Scheduler; Screen saver functions; TileMatrix (10 x 10); User controllable back-up fans with 2 speeds; 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
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-322); Speaker (SP-RM1); Trolley (PDMHA, PDMHM-L); Wall mount (PDWHM-M, PDW S 32-55 L and P, PDW T M L and P)
Option Slot	HD-SDI 1.5 and 3G; Intel Core i5 and i7; Slot-in PC (Core i5/7 with WS7P recommended)

## Green Features

Energy Efficiency	Ambient light sensor; Annual energy consumption: 112 kWh (based on 4 operating hours per day); Carbon savings meter; ECOMode; Energy efficiency class: A
Ecological Materials	Manuals on CD; Optional feet



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