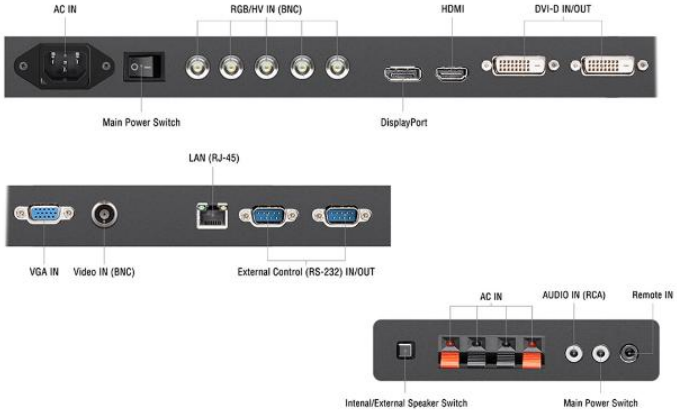
\Orchestrating a brighter world

MultiSync® V801-TM (Infrared Touch)

LCD 80" Entry Level Large Format Touch Display

Datasheet



NEC MultiSync ® V801 TM is the new multi-touch product of NEC's V Series boasting 80" in size and delivering true multi-touch support with up to 6 simultaneous touch points. Thanks to 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.

V801 TM is ideal for any kind of interactive whiteboard applications in corporate meeting rooms and class rooms.

Benefits

Multi-Touch – true multi-touch support with up to 6 simultaneous touch points for all major operating systems.

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

Free DisplayNote Multiuser and Mosaic Canvas Whiteboard Licence – with the optional DisplayNote Multiuser license or Mosaic Canvas whiteboard software, turn this interactive device into the centrepiece of a modern meeting environment.

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.

Product Information

Product Name	MultiSync® V801-TM (Infrared Touch)
Product Group	LCD 80" Entry Level Large Format Touch Display
Order Code	60003679

Display

Panel Technology	UV² A with Edge LED backlight
Screen Size [inch/cm]	80 / 203
Aspect Ratio	16:9
Brightness [cd/m²]	460, 174 Eco (shipment setting)
Contrast Ratio (typ.)	5000:1
Viewing Angle [°]	176 horizontal / 176 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	6 (grey-to-grey)
Panel Refresh Rate [Hz]	60
Supported Orientation	Landscape; Portrait

Synchronisation Rate

Horizontal Frequency [kHz]	31.5 - 91.1 (analog and digital)
Vertical Frequency [Hz]	50 - 85

Resolution

Native Resolution	1920 x 1080 at 60 Hz
Supported Resolutions	1600 x 1200; 1360 x 768; 1280 x 1024; 1280 x 768; 1024 x 768; 832 x 624; 800 x 600; 720 x 400; 640 x 480; 640 x 400
Supported on digital inputs (Video)	1920 x 1080i (59.94/60)16:9; 1920 x 1080i (59.94/60)16:9; 720 x 576p (50)16:9; 720 x 576p (50)16:9; 720 x 576p (50)16:9; 720 x 576p (50)16:9; 720 x 576p (50)16:9; 720 x 576p (50)16:9; 720 x 576p (50)16:9; 720 x 576p (50)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 (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 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]	218 Eco (shipment setting), 300
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: 1,842.8 x 1,067.9 x 107.3
Weight [kg]	Without stand: 79.9
Bezel Width [mm]	34.8 (left and right); 34.8 (top and bottom)
VESA Mounting [mm]	4 holes; 400 x 400 (FDMI); M8
Ingress Protection	IP40 (front); IP20 (back)

Glass

Thickness [mm]	3
Type	Double sided anti-reflection, fully tempered
Light Transmission [%]	90 (+/- 2 %)
Reflection Rate [%]	4

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
Siupported Operating System	Native Multi-Touch: Windows7, Windows8; Single Touch (Windows X, Windows Vista, Linux, Mac OSX, Android)
Data Interface	USB 2.0 (full speed) HID; USB powered, plug & play
Accuracy [mm]	< 2
Touch Resolution	32767 x 32767

Additional Features

Special Characteristics	Advanced fan control; Copy display settings through RS232; DICOM support; Hardware colour calibration possible; Input name adjustment; Matrix memory; NaViSet Administrator 2; PIN as theft protection; Rapid input switching; Scheduler; Screen saver functions; TileMatrix (10 x 10); 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
Audio	Integrated Speakers (10 W + 10 W); Optional Speakers (15 W + 15 W)
Shipping Content	CD-ROM (User Guides/Manuals); CD-ROM with Touch Drivers; Display; DVI-D cable; External Power Supply; Power Cable; Remote Control; USB cable
Warranty	3 years warranty incl. backlight
Operating Hours	16/7

Available Options

Accessories	Feet (ST-801); Speaker (SP-RM1, SP-TF1); Trolley (PDMHA); Wall mount (PDWHM-L, PDW T XL)
OPS Slot	HD-SDI 1.5G,3.5G; HDBaseT receiver; Slot-inPC (Intel® Core i5/i7 with WS7P recommended)

Green Features

Energy Efficiency	Ambient light sensor; Annual energy consumption: 318 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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