NEC MultiSync® E805 SST (ShadowSense)
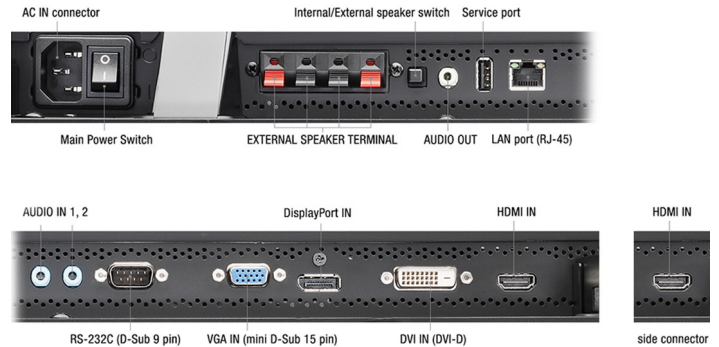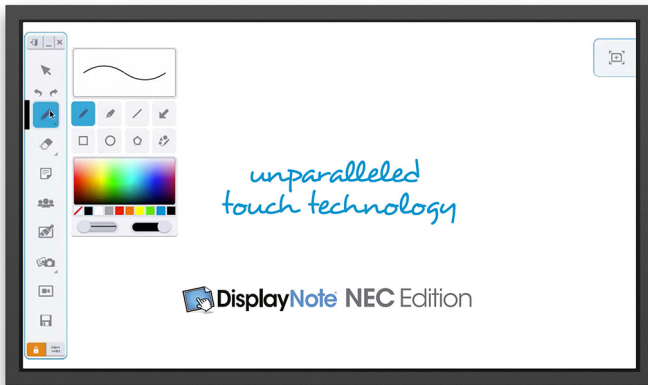
Order Code: 60003923   NEC LCD 80" Touch Large Format Display

NEC MultiSync® E805 SST is the new multi-touch product of NEC's E Series boasting 80" in size. Based on the new touch technology ShadowSense™ the display delivers true multi-touch support with up to 6 simultaneous touch points. ShadowSense™ touch is an innovative and patented optical position sensing technology. Unlike other optical technologies that utilize cameras or imaging arrays, ShadowSense™ designs use high performance sensors to provide unprecedented performance, stability, and accuracy. Thanks to anti reflective coating, reflections are reduced to a minimum which significantly increases the readability of the content shown.

E805 SST is ideal for any kind of interactive whiteboard usage in meeting rooms and class rooms with operating hours limited to 12/7.

BENEFITS

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

ShadowSense™ Touch - offering real-time tracking of all touch points (6 to 8 ms response time) and sub-2 mm touch point accuracy. No ghost touches or dead zones.
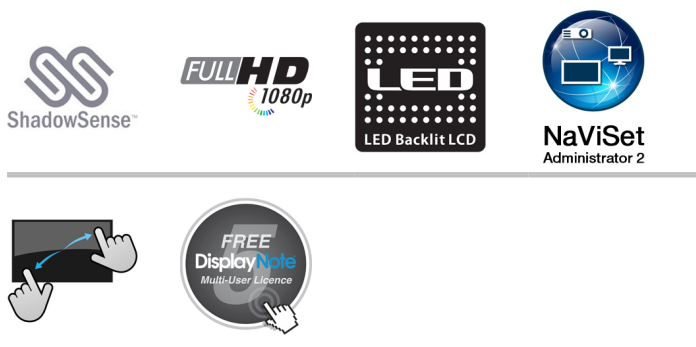
High Ambient Light Operation - enhanced filtering and analogue sensors allow operation in bright condition up to full sunlight.

Static Object Detection and Rejection - solid touch activation of any objects ≥ 4 mm in diameter. Possible usage with finger, gloved hand and stylus. Configurable hover distance for touch detection and palm rejection.

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.

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

Automatic Touch Detection - detect and switch automatically between interaction from a finger, eraser or pen device (supported by Microsoft Office 2013, DisplayNote NEC Edition).

DISPLAY	Panel Technology	UV² A with Edge LED backlight
	Active Screen Area (W x H) [mm]	1.771 x 996
	Screen Size [inch/cm]	80 / 203
	Brightness [cd/m²]	300, (350 max)
	Contrast Ratio (typ.)	5000:1
	Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
	Response Time (typ.) [ms]	4 (grey-to-grey)
	Haze Level [%]	5
	Supported Orientation	Landscape
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 on DisplayPort and HDMI	1920 x 1080; 1600 x 1200; 1360 x 768; 1280 x 1024; 1280 x 768; 1080i; 1080p; 1024 x 768; 800 x 600; 720p (50/60 Hz); 640 x 480; 576p (50 Hz); 480p (60 Hz)
	Supported on HDMI only	1360 x 768; 576i (50 Hz); 480i (60 Hz)
CONNECTIVITY	Input Video Analogue	1 x D-sub 15 pin
	Input Video Digital	1 x DisplayPort (with HDCP); 1 x DVI-D (with HDCP); 2 x HDMI (with HDCP)
	Input Audio Analogue	2 x 3,5 mm jack
	Input Audio Digital	1 x DisplayPort; 2 x HDMI
	Input Control	LAN 100Mbit; RS232
	Output Audio Analogue	3,5mm jack
	Remote Control	LAN with SNMP; RS-232C (9-pin D-sub) Input
SENSORS	Ambient Light Sensor	Integrated, triggered actions programmable
	Temperature Sensor	Integrated, 3 sensors, triggered actions programmable
ELECTRICAL	Power Consumption [W]	248 shipping
	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
MECHANICAL	Dimensions (W x H x D) [mm]	Without stand: 1,878 x 1,097 x 104
	Weight [kg]	Without stand: 85
	Bezel Width [mm]	40 (left and right); 40 (top and bottom)
	VESA Mounting [mm]	4 holes; 400 x 400 (FDMI); M8
GLASS	Thickness [mm]	5
	Type	Premium toughened glass, single sided anti-reflective coating
	Light Transmission [%]	92 (+/- 2 %)
TOUCH	Touch Technology	ShadowSense™ Touch
	Number of Touches	Real multi-touch up to 6 touches
	Response Time [ms]	6 to 8
	Touch Active Area (W x H) [mm]	1,796.88 x 1,015.84
	Touch Method	Finger; Gloves; Stylus (≥ 4 mm)
	Operating System	Native Multi-Touch: Windows 7, Windows 8, Linux, Android; Default Mouse: Windows XP, Windows Vista, Mac OS X
	Data Interface	USB 2.0 (full speed) HID; USB powered, plug & play
	Accuracy [mm]	< 2
	Touch Resolution	12-bit (4096 x 4096)
	Ambient Light Rejection	Up to full sunlight (approx. 100000 lux)
ADDITIONAL FEATURES	Special Characteristics	Automatic Alarm E-Mails; Colour temperature mode; Image flip; NaViSet Administrator 2; Point Zoom Function; Scheduler
	Colour Versions	Black Front Bezel, Black Back Cabinet
	Safety and Ergonomics	CE; RoHS
	Audio	Integrated Speakers (10 W + 10 W); Optional Speakers (15 W + 15 W)
	Shipping Content	CD-ROM (User Guides/Manuals); Display; DVI-D cable; Pen and Eraser; Power Cable; Remote Control; USB cable
	Warranty	3 years warranty incl. backlight; additional services available; optional 4. + 5. year warranty extension
	Operating Hours	12/7
AVAILABLE OPTIONS	Accessories	Feet (ST-801); Speaker (SP-TF1, SP-RM1); Trolley (PDMHA); Wall mount (PDW T XL, PDWHM-L)
	OPS	HD-SDI 1.5G; 3G; HDBaseT receiver; OPS Digital Signage Player; Slot-inPC (Intel® Core i5/i7 with WS7P recommended)
GREEN FEATURES	Energy Efficiency	Ambient light sensor; Annual energy consumption: 331 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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