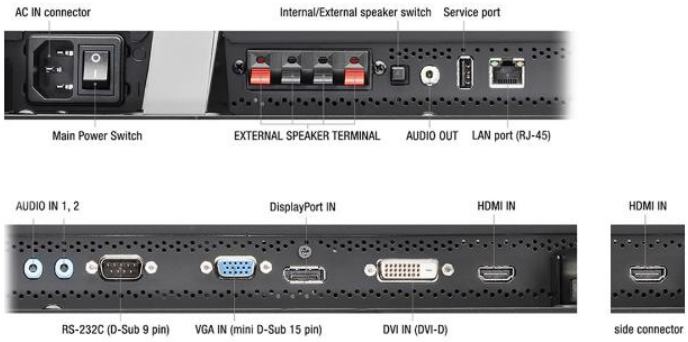
\Orchestrating a brighter world

MultiSync® E705 SST (ShadowSense)

LCD 70" Entry Level Large Format Touch Display

Datasheet



NEC MultiSync ® E705 SST - One display fits all - The Next Generation Digital Interactive Whiteboard

Seamless operation of presentation systems and whiteboards is essential to achieving productivity, allowing you to concentrate on business and not on technology. The 70" eye-pleasing multi-touch-display with 400 cd/m² brightness offers the ideal digital canvas to facilitate creative and efficient collaboration in smaller-sized corporate meeting rooms or classrooms. ShadowSense™ technology with 10 real-time touch points, allows several people to interact in parallel which leads to much more efficient working results. Bundle the display with a Windows-based OPS Slot-in-PC for a simple and seamless solution.

With DisplayNote NEC Edition whiteboard toolbox software included, up to 20 attendees can collaborate using their own devices.

Benefits

Intuitive Touch Behaviour – enjoy intuitive working and let the display automatically detect and switch between interactions like finger whipping, stylus writing and erasing.

Simple Plug & Play – easy set-up without the need to install any drivers on the host PC for all major operating systems.

Ease of Use – enhance the display with an optional "Windows based" Slot-in-PC using the integrated Ultra High Resolution OPS option slot, thereby simplifying installations and reducing the points of failure.

Save Time and Work more Efficiently – ShadowSense™ touch technology offers real-time collaboration in meetings, tracking all 10 touch points with the highest touch point accuracy.

Reliability at High Ambient Light Operation – enhanced filtering and special sensors allow operation even in the brightest ambient light conditions without causing ghost touches.

Collaborative working – connect your whiteboard and present, share and collaborate more efficiently with up to 20 participants across multiple devices with the included DisplayNote Multiuser Licence.

Product Information

Product Name	MultiSync® E705 SST (ShadowSense)
Product Group	LCD 70" Entry Level Large Format Touch Display
Order Code	60003922

Display

Panel Technology	UV² A with Edge LED backlight
Active Screen Area (W x H) [mm]	1,539 x 866
Screen Size [inch/cm]	70 / 178
Brightness [cd/m²]	340, (400 max)
Contrast Ratio (typ.)	4000:1
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	8 (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]	158 Eco (shipment setting), 332
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: 1,658 x 985 x 106
Weight [kg]	Without stand: 70
Bezel Width [mm]	33 (top and bottom); 41 (left and right)
VESA Mounting [mm]	4 holes; 400 x 400 (FDMI); M8

Glass

Thickness [mm]	5
Type	Premium toughened glass, anti-glare coating
Light Transmission [%]	92 (+/- 2 %)

Touch

Touch Technology	ShadowSense™ Touch
Number of Touches	Real multi-touch up to 10 touches
Response Time [ms]	6 to 8
Touch Active Area (W x H) [mm]	1,572.59 x 900.13
Touch Method	Finger; Gloves; Stylus (≥ 4 mm)
Siupported Operating System	Native Multi-Touch: Windows 7, Windows 8, Windows 10, 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 (PD02MHA, PD03MHA); Wall mount (PDW T XL, PD02WHA)
OPS Slot	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: 231 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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