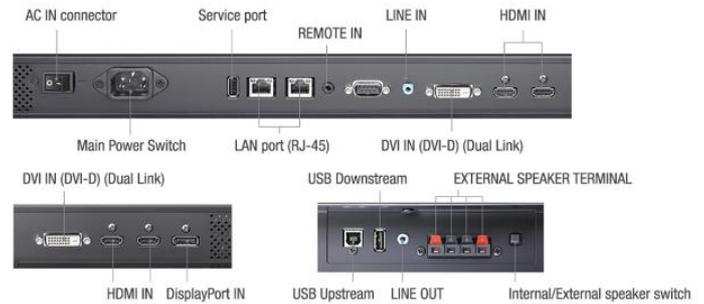


MultiSync® X841UHD-2 SST (ShadowSense) NEC LCD 84" Ultra-High Definition Large Format Touch Display

Datasheet



NEC MultiSync® X841UHD-2 SST - CAD/CAM and Visualisation of Big Data

The seamless operation of presentation systems is essential to achieving productivity. If the visualization of detailed information in perfect colour fidelity is vital for success in your business, then the 10-real-touch point accuracy of ShadowSense™ technology with Ultra-High Definition pixel-free details is the perfect combination to achieve extraordinary results. The 84" multi-touch-display with 500 cd/m² eye-pleasing brightness offers the ideal platform to facilitate creative and efficient meetings.

All in all a perfect custom-tailored solution for mid-sized meeting rooms to visualize your assets most efficiently, saving you valuable time and money for a secure investment into a brighter future.

Benefits

Impressive Visualization – no parallax issues with zero airgap ZG™ technology, pixel-free and colourfast details in Ultra-High Resolution thanks to the NEC SpectraView® colour engine.

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

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.

Simple Plug & Play – no 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.

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

Product Information

Product Name	MultiSync® X841UHD-2 SST (ShadowSense)
Product Group	NEC LCD 84" Ultra-High Definition Large Format Touch Display
Order Code	60004146

Display

Panel Technology	S-IPS with Edge LED backlights
Active Screen Area (W x H) [mm]	1,860 x 1,046
Screen Size [inch/cm]	84 / 213.5
Brightness [cd/m²]	180, (500 max)
Contrast Ratio (typ.)	1400:1
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Thickness [mm]	5
Response Time (typ.) [ms]	12 (grey-to-grey)
Haze Level [%]	10
Supported Orientation	Face Up; Landscape; Portrait

Synchronisation Rate

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

Resolution

Native Resolution	3840 x 2160 at 60 Hz
Supported on DisplayPort and HDMI	3840 x 2160 (24/30 Hz); 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; 480p (60 Hz)
Supported on DisplayPort only	3840 x 2160 (60 Hz)
Supported on HDMI only	4096 x 2160 (24 Hz); 3840 x 2160 (25 Hz); 1360 x 768; 576i (50 Hz); 480i (60 Hz)

Connectivity

Input Video Digital	1 x DisplayPort (with HDCP); 2 x DVI-D (with HDCP); 4 x HDMI (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 Control	LAN 100Mbit
Remote Control	LAN with SNMP; Remote Control IR (internal/external (optional) sensor); RS-232C (9-pin D-sub) Input

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

Sensors

Ambient Light Sensor	Integrated, triggered actions programmable
Human Sensor	Optional, external, 4-5m range, triggered actions programmable
Temperature Sensor	Integrated, 3 sensors, triggered actions programmable
NFC Sensor	Integrated, 2cm range, free NEC Android App required

Electrical

Power Consumption [W]	342 Eco (shipment setting), 512
Power Savings Mode [W]	< 0.5 (ECO Standby); < 2.5
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: 2,000 x 1.194 x 105
Weight [kg]	Without stand: 110
Bezel Width [mm]	41
VESA Mounting [mm]	4 holes; 400 x 400 (FDMI); M8
Ingress Protection	IP40 (front); IP20 (back)

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 10 touches
Response Time [ms]	6 to 8
Touch Active Area (W x H) [mm]	1.916 x 1.111
Touch Method	Finger; Gloves; Stylus (≥ 4 mm)
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	Carbon footprint meter; DICOM support; NaViSet Administrator 2
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; DisplayPort 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	24/7

Available Options

Accessories	Feet (ST-801); Speaker (SP-RM1, SP-TF1); Trolley (PD02MHA, PD03MHA); Wall mount (PDW T XXL, PD02WHA)
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: 496 kWh (based on 4 operating hours per day); Carbon savings meter; ECOMode; Energy efficiency class: B; Human Sensor
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Ecological Materials	Manuals on CD; Optional feet
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