\Orchestrating a brighter world

MultiSync® X651UHD-2 IGT (InGlass™ Touch)

NEC LCD 65" Ultra-High Definition Large Format Touch Display

Datasheet



NEC MultiSync® X651UHD-2 IGT - Touch Display designed for table applications

Users naturally expect to intuitively engage with content on an interactive touch device; if this isn't immediately the case, they will simply walk away. With this in mind, the eye-pleasing 65" InGlass™ touch display with bezel-free design, perfect colour fidelity and Ultra-High Definition pixel-free detail is the perfect choice. Spontaneously use up to 10 fingers, pens or gloves and enjoy the highest real-time touch point accuracy. Due to zero airgap ZG™ technology, parallax is not an issue making this the ideal solution for an enticing interactive experience which will keep the user browsing.

All in all a perfect touch display for creative tables (optional table legs availalbe) to visualize your assets most efficiently whilst facilitating better meeting results.

Benefits

Designed for Table Installations – a completely flush and easy clean surface with no bezel enabling true edge-to-edge designs for a perfect touch experience.
Tablet-like User Experience – seamless operation with multi-touch applications while using 10 simultaneous finger/pen/glove touches, palm rejection and pressure detection with over 1000 levels.
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.
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.
Rugged Design for 24/7 – InGlass™ touch-system developed to perform even in harsh environments while advanced filtering techniques ensure continued multi-touch performance.
Simple Plug & Play – no need to install any drivers on the host PC for all major operating systems.

Product Information

Product Name	MultiSync® X651UHD-2 IGT (InGlass™ Touch)
Product Group	NEC LCD 65" Ultra-High Definition Large Format Touch Display
Order Code	60004170

Display

Panel Technology	S-IPS with Edge LED backlights
Active Screen Area (W x H) [mm]	1,428 x 804
Screen Size [inch/cm]	65 / 165
Brightness [cd/m²]	450, 172 Eco (shipment setting)
Contrast Ratio (typ.)	1300:1
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	8 (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]	164 Eco (shipment setting), 212
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: 1,520.9 x 896 x 103
Weight [kg]	Without stand: 55
Bezel Width [mm]	Edge-to-edge flush design (no bezel)
VESA Mounting [mm]	4 holes; 400 x 400 (FDMI); M8
Ingress Protection	IP40 (front); IP20 (back)

Glass

Thickness [mm]	3.2
Type	Chemically strengthened soda lime
Light Transmission [%]	89 (+/- 1 %)

Touch

Touch Technology	InGlass™ Touch
Number of Touches	Real multi-touch up to 10 touches
Response Time [ms]	≤ 15
Touch Active Area (W x H) [mm]	1,428.5 x 825.6
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-HID
Accuracy [mm]	< 2

Additional Features

Special Characteristics	Carbon footprint meter; DICOM support; NaViSet Administrator 2
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; DisplayPort Cable; 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-651); Speaker (SP-RM1, SP-TF1); Table legs (ZELGS-65-850-W); Trolley (PD02MHA, PD03MHA); Wall mount (PDW T XL; 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: 239 kWh (based on 4 operating hours per day); Carbon savings meter; ECOMode; Energy efficiency class: B; Human Sensor
Ecological Materials	Manuals on CD; Optional feet

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