Preliminary Datasheet

LCD 55" InGlass™Touch Display

NEC MultiSync® X551UHD IGB

Benefits

Best-in-class visual performance – benefit from a „pixel-free“ Ultra-High Definition (UHD) visual performance.

Natural writing experience – it’s like working on paper! Whether using finger or pen, the InGlass™ touch technology provides seamless interactive touch performance including Windows Ink and palm rejection.

Modern and slim design – robust yet elegant allowing for an unobtrusive integration into any application and environment.

Mission-critical 24/7 ready operation – the meticulous selection of industrial-grade components and careful design focused on demanding usage scenarios accompany an impressive and continuous viewer experience.

Future-proof signal connectivity and processing – numerous native UHD resolution inputs with 60Hz refresh rate including DisplayPort, HDMI and an option slot for OPS Slot-in PCs, plus automatic upscaling to UHD for other signals, provide “pixel-free viewing“ on a large scale.

Specifications

Product Information

Product Name
NEC MultiSync® X551UHD IGB

Product Group
LCD 55" InGlass™Touch Display

Order Code
60004707

Display

Panel Technology
S-PVA with edge LED backlights

Active Screen Area (W x H) [mm]
1,209 x 680

Screen Size [inch/cm]
55 / 140

Brightness [cd/m²]
500, 300 Eco (shipment setting)

Contrast Ratio (typ.)
4000:1

Viewing Angle [°]
178 horizontal / 178 vertical (typ. at contrast ratio 10:1)

Response Time (typ.) [ms]
6 (grey-to-grey)

Haze Level [%]
25

Supported Orientation
Face Up [1]; Landscape; Portrait

Touch

Touch Technology
InGlass™

Number of Touches
Real multi-touch up to 20 touches

Response Time [ms]
≤ 15

Touch Method
Finger; Gloves; Stylus (≥ 2 mm)

Supported Operating System
Native Multi-Touch: Windows 7-11, Linux, Android; Default Mouse: Windows XP and Vista, Mac OS

Data Interface
USB-HID

Accuracy [mm]
< 1

Protective Glass

Type
Premium toughened glass, anti-glare coating

Thickness [mm]
3

Light Transmission [%]
88 (+/- 1 %)

Resolution

Native Resolution
3840 x 2160 at 60 Hz

Supported on DisplayPort and HDMI

1024 x 768;	1360 x 768;	480p (60 Hz);
1080i;	1600 x 1200;	640 x 480;
1080p;	1920 x 1080;	720p (50/60 Hz);
1280 x 1024;	3840 x 2160 (24/30 Hz);	800 x 600
1280 x 768;		

Supported on DisplayPort only
3840 x 2160 (60 Hz)

Supported on HDMI only

1360 x 768;	4096 x 2160 (24 Hz);	576i (50 Hz)
3840 x 2160 (25 Hz);	480i (60 Hz);	

Synchronisation Rate

Horizontal Frequency [kHz]
28 - 134

Vertical Frequency [Hz]
23 - 85

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 Audio Analogue
3,5mm jack

Output Control
LAN 100Mbit

USB Hub
4x USB 3.0

Remote Control
LAN with SNMP; Remote Control IR (internal/external (optional) sensor); RS-232C (9-pin D-sub) Input

Open Modular Intelligence

OPS 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

Human Sensor
Optional, external, 4-5m range, triggered actions programmable

Temperature Sensor
Integrated, 3 sensors, triggered actions programmable

Electrical

Power Consumption [W]
162 Eco (shipment setting)

Power Savings Mode [W]
< 0.5; < 0.5 (ECO Standby)

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: 1,284.5 x 757.3 x 80.3

Weight [kg]
Without stand: 40.5

Bezel Width [mm]
18.4 (symmetrical)

VESA Mounting [mm]
4 holes; 400 x 400 (FDMI); M8

Ingress Protection
IP40 (front); IP20 (back)

Available Options

Accessories
Trolley (PDMHM-L); Wall mount (PDW S 32-55 PL)

OPS Slot
HD-SDI 1.5G,3G; HDBaseT receiver; Intel® Atom, Celeron and Core CPUs; OPS-2C HDMI + DP Interface; OPS-2C Quad 3G SDI

Regulatory

Safety and Ergonomics
CE; EMC Class B; RoHS

Pixel Failure Class
ISO 9241-307, Class 2

Green Features

Energy Efficiency
Annual energy consumption: 219 kWh (based on 4 operating hours per day); Carbon Savings Meter; ECOMode; Energy Efficiency Class: B; Human Sensor

Ecological Materials
Manuals on CD

Additional Features

Special Characteristics
Carbon footprint meter; DICOM Simulation; NaViSet Administrator 2 - free download

Colour Versions
Black Front Bezel, Black Back Cabinet

Audio
Integrated Speakers (10 W + 10 W); Optional Speakers (15 W + 15 W)

Shipping Content
2 x Stylus; CD-ROM (User Guides/Manuals); Display; DisplayPort Cable; Power Cable; Remote Control; USB cable

Warranty
3 years warranty incl. backlight; optional 4. + 5. year warranty extension [2]

Operating Hours
24/7

[1] adjusted usage conditions for face up/down installations, please refer to operational guidelines or contact our support

[2] please refer to terms and conditions of warranty extensions

CE

RoHS

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