

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 extension²

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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