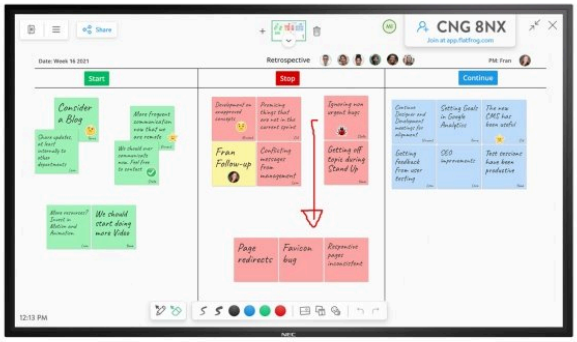
LCD 55" InGlass™Touch Display

NEC MultiSync® M551 IGB





Enjoy the most natural interactive digital experience

Modern meeting spaces drive the demand for advanced touch technology with innovative design. To support interactive sessions, the NEC InGlass™ Touch Board along with the responsive passive pen brings superior paper-like writing with minimal latency to a digital canvas. With its slim bezel design, the technology seamlessly integrates into modern interior styling.

High brightness levels ensure excellent readability and image reproduction even in today's typically bright meeting spaces where maintaining a motivational environment is paramount. The anti-glare coating minimizes disturbing reflections and helps to eliminate niggling fingerprints on the touch surface.

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.

Be more productive – get a one-year free license of FlatFrog Board for Rooms! FlatFrog Board whiteboard software makes hybrid work easy and equally productive for everyone.

Future Ready Connectivity – featuring multiple industry standard digital and analogue signal inputs for flexible integration into AV infrastructures.

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.

Specifications

Product Information

Product Name
NEC MultiSync® M551 IGB

Product Group
LCD 55" InGlass™Touch Display

Order Code
L50M551-IGB

Display

Panel Technology
IPS with Edge LED backlights

Screen Size [inch/cm]
55 / 138.8

Aspect Ratio
16:9

Brightness (without glass) [cd/m²]
500

Contrast Ratio (default)
> 8000:1

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

Colour Depth [bn]
1,076 (10bit)

Response Time (typ.) [ms]
8

Panel Refresh Rate [Hz]
60

Haze Level [%]
Pro (28)

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; Raspberry Pi

Data Interface
USB-HID

Accuracy [mm]
< 1

Windows Ink
Yes

Palm Rejection
Yes

Protective Glass

Type
Premium toughened glass, anti-glare coating

Thickness [mm]
3

Hardness [H]
7

Resolution

Native Resolution
3840 x 2160

Supported Resolutions

1024 x 768;	1440 x 900;	2560 x 1440;
1280 x 1024;	1600 x 1200;	2560 x 1600;
1280 x 720;	1650 x 1050;	3840 x 2160;
1360 x 768;	1900 x 1200;	4096 x 2160
1366 x 768;	1920 x 1080;	
1400 x 1050;	1920 x 2160;	

Synchronisation Rate

Horizontal Frequency [kHz]
26 - 91.1

Vertical Frequency [Hz]
23 - 86

Connectivity

Input Video Digital
1 x DisplayPort (with HDCP); 2 x HDMI (with HDCP)

Input Audio Digital
1 x DisplayPort; 2 x HDMI

Input Control
LAN 100Mbit; remote control wire (3,5mm jack); RS232

Input Data
1 x USB 2.0 (MediaPlayer)

Output Audio Analogue
1 x 3,5 mm jack

Input Detect
Custom; First; Last

PiP/PbP
Quad-Split; scalable picture size; Triple-Split

Open Modular Intelligence

Intel® SDM
accepts Intel® Smart Display Modules Large and Small up to 66 W

Compute Module Slot
RPi Compute Module 4

Sensors

Temperature Sensor
Integrated, 3 sensors, triggered actions programmable

Electrical

Power Consumption [W]
110 shipping

Power Savings Mode [W]
< 0.5; < 2 (Networked Standby)

Power Management
VESA DPMS

Power Supply
100-240 V AC; 50/60 Hz; internal

Environmental Conditions

Operating Temperature [°C]
+0 to +35

Operating Humidity [%]
20 to 80

Storage Humidity [%]
10 to 90

Storage Temperature [°C]
-20 to 60

Mechanical

Dimensions (W x H x D) [mm]
1,284.5 x 757.3 x 70.9

Weight [kg]
38.5

Bezel Width [mm]
18.4 (left/right); 18.4 (top/bottom)

VESA Mounting [mm]
300 x 300 (FDMI); 4 holes; M6

Ingress Protection
IP5x (front); IP2x (back)

Packaging Dimensions (W x H x D) [mm]
Box 1: 1,430 x 920 x 250

Packaging Weight [kg]
Box 1: 47

MediaPlayer

Supported File Storage / File System
USB 2.0 / FAT16, FAT32

Supported Image Formats
JPG (baseline, progressive, RGB, CMYK); max. resolution 15360 x 8640

Supported Video Formats
MPG (MPEG1/2/4, max res 1080p@30Hz); MP4 (MPEG2/4, H.263, H.264, HEVC/H.265, max res 3840x2160@60Hz); TS (MPEG2, H.264, HEVC/H.265, max res 3840x2160@60Hz); audio: LPCM, MP3, AAC; WMV (video H.264, Windows Media Video 9, max res 1080p@30Hz, audio WMA 9, WMA 10 Pro)

Supported Audio Formats
MP3 (MP3); max. bit-rate 320 kBit/s

Available Software

Free Software Included
FlatFrog Board for Rooms (1 year) - free download

Available Options

Accessories
Presence Sensor (KT-RC3); Soundbar (SP-ASCM-IQ2; SP-ASCM-2); Speaker (SP-RM3a); Wall mount (L20PNWALL90EU)

Regulatory

Safety and Ergonomics
CE; EAC; RoHS

Pixel Failure Class
ISO 9241-307, Class 1

Green Features

Energy Efficiency
Energy Consumption: 100 kWh/1000 h; LED Backlight

Ecological Standards
EnergyStar 8.0

3rd Party Certifications

Barco ClickShare
Tested compatible for Barco ClickShare (Conference)

Crestron
Certified for Crestron Connected

Additional Features

Special Characteristics
DICOM Simulation; HDMI ARC; NaViSet Administrator 2 - free download; Powered USB Port (10 W)

Audio
Integrated Speakers (10 W + 10 W)

Shipping Content
2 x Stylus; 2x AAA batteries; Display; HDMI Cable; Power Cable; Remote Control; Setup Manual; USB cable

Warranty
3 years warranty incl. backlight; additional services available

Operating Hours
24/7

External Control
AMX NetLinx Support; ASCII Control Commands; Crestron Connected; HDMI CEC; HTTP Browser; PJLink; Scheduled Timer; SNMP

Remote Management
Automated Email Alerts; NaViSet Administrator 2

Security
Disable HW Buttons; Disable IR Functionality; Emergency Notification

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

CE RoHS

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