Preliminary Datasheet

LCD 55" InGlass™Touch Display

NEC MultiSync® M551 IGB non-touch

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 non-touch

Product Group
LCD 55" InGlass™Touch Display

Order Code
60005560

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

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

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 2: 1,430 x 920 x 250

Packaging Weight [kg]
Box 2: 46

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 Options

Accessories
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

Crestron
Certified for Crestron Connected

Additional Features

Special Characteristics
DICOM Simulation; HDMI ARC; Powered USB Port (10 W)

Audio
Integrated Speakers (10 W + 10 W)

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

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

RoHS

CE

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