LCD 55" Midrange Large Format Display (incl. NEC MediaPlayer)

NEC MultiSync® MA551-MPi4





Meticulously powerful signage

When true-to-life colour rendition is essential, the MultiSync® MA Series' advanced feature set delivers calibrated precision, without compromise. For specialist applications, the wide colour gamut panel, SpectraView engine technology and 8K signal processing, positions the MultiSync® MA-MPi4 series at the high end of professional content delivery.

Future-proof and upgradable, the NEC MediaPlayer software is powered by a pre-installed modular SoC Raspberry Pi module. Enabling remote operation of single and multiple display installations, benefit from flexible usage of many media types and a scheduling function for smart content management. For specific feature demands, the NEC MediaPlayer grants easy switching to the integrated Content Management Systems directly.

Benefits

Wide colour gamut – high-performance panel technology delivers a wider spectrum of colours for a superb visual experience

Intuitive Plug & Play solution – even when not familiar with using digital signage, users can facilitate stunning signage creation for immersive real-time visual experiences

Install third party software – expand the NEC MediaPlayer functionality via additional Apps or even switch to your preferred Content Management Systems (CMS) directly from of the NEC MediaPlayer

Everything under control – one single interface is needed to manage both the NEC MediaPlayer and the display directly, via a web-interface or the NEC Display remote control.

Unhindered readability – no reflections from windows or other light sources means no disruption to the visibility of signage content or meeting room presentation

Specifications

Product Information

Product Name
NEC MultiSync® MA551-MPi4

Product Group
LCD 55" Midrange Large Format Display (incl. NEC MediaPlayer)

Order Code
60005371

Display

Panel Technology
IPS with Edge LED backlights

Screen Size [inch/cm]
55 / 138.8

Aspect Ratio
16:9

Brightness [cd/m²]
500

Contrast Ratio
≥ 8000:1 [1]

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

Colour Depth [bn]
1.073 (10bit)

Colour Gamut
86% of DCI

Response Time (typ.) [ms]
8

Panel Refresh Rate [Hz]
60

Haze Level [%]
Pro (28)

Supported Orientation
Face Up [2]; Landscape; Portrait

Resolution

Native Resolution
3840 x 2160

Supported Resolutions

1024 x 768;	1440 x 900;	2560 x 1600;
1280 x 1024;	1600 x 1200;	3840 x 2160;
1280 x 720;	1920 x 1080;	4096 x 2160;
1360 x 768;	1920 x 1200;	7680 x 4320
1366 x 768;	1920 x 2160;	
1400 x 1050;	2560 x 1440;	

Synchronisation Rate

Horizontal Frequency [kHz]
26 - 91.1

Vertical Frequency [Hz]
23 - 86

Connectivity

Input Video Digital
2 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 (Downstream); 1 x USB 2.0 (Powered 5V/2A, Firmware Updates); 1 x USB 2.0 Type-B (Downstream)

Output Video Digital
1 x DisplayPort (loop through: DisplayPort, SDM slot-in PC); 1 x HDMI (loop through: HDMI, SDM slot-in PC)

Output Audio Analogue
1 x 3,5 mm jack

Output Control
1 x LAN 100Mbit

Input Detect
Custom; First; Last

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

Calibration

Factory Calibration
Gamma; Intensity; RGB; Uniformity; White Point

Sensor Calibration (through USB)
PC-less Calibration with USB Sensor MDSVSensor3; White Copy (post self-calibration)

Calibration with Software
Corner Uniformity; Gamma; Intensity; RGB; Update Factory Calibration; White Point

Calibration Software
Display Wall Calibrator

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

Ambient Light Sensor
Integrated, triggered actions programmable

Temperature Sensor
Integrated, 3 sensors, triggered actions programmable

Electrical

Power Consumption [W]
90 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 +40

Operating Humidity [%]
20 to 80

Storage Humidity [%]
10 to 90

Storage Temperature [°C]
-20 to 60

Mechanical

Dimensions (W x H x D) [mm]
1,239.6 x 713 x 61.1

Weight [kg]
27.6

Bezel Width [mm]
12 (top); 12.5 (left/right); 15.6 (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]
1,430 x 920 x 250

Packaging Weight [kg]
37.7

Colour Bezel
Pantone 426M (black)

Material
Metal

MediaPlayer

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

Internal Storage
32GB eMMC (2GB occupied by OS, 28GB available for files)

Processor
Cortex-A72 (ARMv8) 64-bit SoC @ 1.5GHz

Supported Image Formats
JPG / JPEG; PNG

Supported Video Formats
MP4 / MOV /AVI / MPEG/ WMV / MPG / M4V / VOB / MKV (H.265); MPEG-2; M4K; VP8 / VP9; HTML5

Supported Audio Formats
MP3; AAC; AC-3

Available Options

Accessories
Feet (ST-401/ST-43M); Presence Sensor (KT-RC3); Soundbar (passive: SP-PSCM-IQ / SP-PSCM); Speaker (SP-TF1, SP-RM3); Trolley (PDMHM-L); Wall mount (PDW C L and P, PD02W T M L, PD03W T M P)

Regulatory

Safety and Ergonomics
BSMI; CE; EAC; EMC Class B; Energy Star 8; FCC Class B; KC/KCC; PSB; RCM; RoHS; VCCI

Pixel Failure Class
ISO 9241-307, Class 1

Resistance to Fire
Metal backcover, plastic material certified acc. to UL94-5VB

Green Features

Energy Efficiency
Energy Consumption: 106 kWh/1000 h; Energy Efficiency Class: G; LED Backlight

Ecological Standards
EnergyStar 8.0

Additional Features

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

Shipping Content
2x AAA batteries; Display; HDMI Cable; Power Cable; Pre-installed MPi4 MediaPlayer Kit; Remote Control; Setup Manual

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

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] out of the box conditions, local dimming ON

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

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

VCCI FCC Class B CE RoHS RCM

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