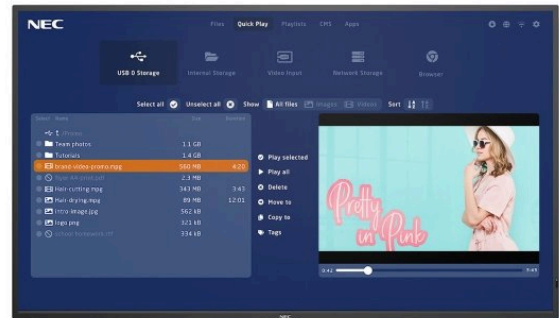# NEC MultiSync® ME551-MPi4
LCD 55" Midrange Large Format Display (incl. NEC MediaPlayer)

Datasheet

Digital Signage and real-time information deployed easily

Initiating effective communication to your target audience has never been easier to plan, install and operate. Deploying Signage with consistently updated information, real-time content adaption and scheduling has never been so simple.

The MultiSync® ME-MPi4 displays offer out-of-the-box playback for local retailers, restaurants and small business enterprises. With the NEC MediaPlayer you can deliver dynamic advertising and infotainment to your customers whilst benefiting from the efficiencies gleaned through digitisation.

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

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

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

Product Information

Product Name	NEC MultiSync® ME551-MPi4
Product Group	LCD 55" Midrange Large Format Display (incl. NEC MediaPlayer)
Order Code	60005374

Display

Panel Technology	IPS with Direct LED backlights
Screen Size [inch/cm]	55 / 138.8
Aspect Ratio	16:9
Brightness [cd/m²]	400
Contrast Ratio	≥ 8000:1 [1]
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Colour Depth [bn]	1.073 (8bit + FRC)
Response Time (typ.) [ms]	8
Panel Refresh Rate [Hz]	60
Haze Level [%]	Standard (1)
Supported Orientation	Landscape; Portrait

Resolution

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

Synchronisation Rate

Horizontal Frequency [kHz]	26 - 135
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

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]	120 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]	1,241.8 x 712.6 x 62.6
Weight [kg]	19.8
Bezel Width [mm]	13.9
VESA Mounting [mm]	4 holes; 400 x 400 (FDMI); M6
Ingress Protection	IP5x (front); IP2x (back)
Packaging Dimensions (W x H x D) [mm]	1,430 x 920 x 250
Packaging Weight [kg]	29.4
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-43M); Presence Sensor (KT-RC3); Soundbar (active: SP-ASCM-IQ2 / SP-ASCM-2); Speaker (SP-RM3a); Trolley (PD04-Tipster Trolley); Wall mount (PDW S 32-65 L, PDW S 32-65 P)

Green Features

Energy Efficiency	Energy consumption: 118 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
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
Audio	Integrated Speakers (10 W + 10 W)
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 [2]
Operating Hours	18/7
External Control	AMX NetLinx Support; ASCII Control Commands; Crestron Connected; HDMI CEC; HTTP Browser; PJLink; Scheduled Timer; SNMP
Remote Management	Automated Email Alerts; NEC NaViSet Administrator 2

Security	Disable HW Buttons; Disable IR Functionality; Emergency Notification
Resistance to Fire	Metal backcover, plastic material certified acc. to UL94-5VB

[1] out of the box conditions, local dimming ON

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

RCM	FCC Class B	RoHS	VCCI	CE