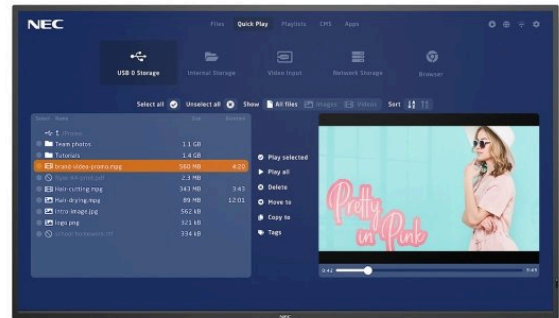


NEC MultiSync® P555-MPi4 LCD 55" Professional Large Format Displays (incl. NEC MediaPlayer)

Datasheet



When imaging precision cannot be compromised

When imaging precision and 24/7 operational reliability cannot be compromised, the 5th generation of NEC MultiSync® P series presents best-in-class performance with an advanced feature set for mission-critical applications.

Even in bright ambient light conditions, high brightness levels of 700 cd/m² combined with a high haze filter guarantees exceptional readability with no annoying reflections. Despite its slim, elegant profile, the quality build is robust for use in public spaces, with an all-metal chassis for fire-retardancy. Featuring the pre-installed NEC MediaPlayer you get an out of the box signage experience and can playback the content needed for your application: video, picture, html or use any of the supported Content Management Systems (CMS).

For best visualisation in control rooms and production lines, for passenger information and wayfinding signage; the NEC P-MPi4 series is trusted for safety and long-life, fit-for-purpose performance..

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

Product Information

| | |
|---------------|--|
| Product Name | NEC MultiSync® P555-MPi4 |
| Product Group | LCD 55" Professional Large Format Displays (incl. NEC MediaPlayer) |
| Order Code | 60005378 |

Display

| | |
|---------------------------|---|
| Panel Technology | IPS with Edge LED backlights |
| Screen Size [inch/cm] | 55 / 138.8 |
| Aspect Ratio | 16:9 |
| Brightness [cd/m²] | 700 |
| 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 | Landscape, Portrait, Face Up, Face Down ² |

Resolution

| | | | | |
|-----------------------|---|--|--|---|
| Native Resolution | 3840 x 2160 | | | |
| Supported Resolutions | 1024 x 768; 1280 x 1024; 1280 x 720; 1360 x 768; | 1366 x 768; 1400 x 1050; 1440 x 900; 1600 x 1200; | 1920 x 1080; 1920 x 1200; 1920 x 2160; 2560 x 1440; | 2560 x 1600; 3840 x 2160; 4096 x 2160; 7680 x 4320 |

Synchronisation Rate

| | |
|----------------------------|----------|
| Horizontal Frequency [kHz] | 15 - 135 |
| Vertical Frequency [Hz] | 23 - 76 |

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 | NEC 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

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|----------------------|---|
| Ambient Light Sensor | Integrated, triggered actions programmable |
| 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 +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 and 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 (ST401/ST-43M); 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) |
|-------------|--|

Green Features

| | |
|----------------------|---|
| Energy Efficiency | Energy consumption: 109 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 |
| 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; 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 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



CE



VCCI



RCM



RoHS



FCC Class B

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