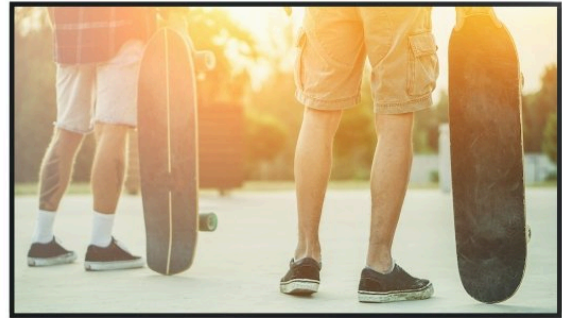


NEC MultiSync® P555 PG-2
LCD 55" Protective Glass Large Format Display

Preliminary Datasheet



Professional Protection for Professional Signage

The NEC MultiSync® P555 PG-2 models combine professional protection of your investment with unparalleled display performance. Deliver your message with impact and seamless simplicity for the most convincing results.

Guaranteed reliability even under the toughest conditions is achieved with the super robust 4mm thick protective glass designed to withstand external impacts. The anti-reflective glass surface combined with high brightness levels of 700 cd/m² provides crisp and clear images and readability from different viewing angles and distances even in bright ambient light conditions.

The enhanced durability makes the MultiSync® P555 PG-2 series the ideal signage solution for short and medium viewing distances in public spaces with high volumes of people such as for applications in transportation, retail, hospitality and digital out of home as well as for tough environments in industrial applications.

Benefits

Maximum investment security – assured as the display is protected against damage from external impacts such as knocks and blows.

Protects the public – the thermally toughened protective glass will disintegrate into small fragments reducing the risk of injury should it suffer extreme damage.

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.

Superb readability – supported through the use of anti-reflective and high light-transmission GroGlass® protective glass.

Product Information

| | |
|---------------|-----------------------------------------------|
| Product Name | NEC MultiSync® P555 PG-2 |
| Product Group | LCD 55" Protective Glass Large Format Display |
| Order Code | 60005859 |

Display

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

Glass

| | |
|------------------------|----------------------------|
| Type | GroGlass® Protective Glass |
| Thickness [mm] | 4 |
| Light Transmission [%] | ≥ 97 |
| Reflection Rate [%] | 1 |

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 MDSV Sensor3; 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

| | |
|----------------------|-------------------------------------------------------|
| Ambient Light Sensor | Integrated, triggered actions programmable |
| Temperature Sensor | Integrated, 3 sensors, triggered actions programmable |

Electrical

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|------------------------|----------------------------------|
| 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] | 1,260 x 723 x 71 |
| Weight [kg] | 38.5 |
| 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] | 48.6 |
| Colour Bezel | Pantone 426M (black) |
| Material | Metal |

Available Options

| | |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Accessories | Feet (ST-43M); Presence Sensor (KT-RC3); Soundbar (passive: SP-PSCM-IQ); Speaker (SP-RM3); Trolley (PD04-Tipster Trolley); Wall mount (PDW S 32-65 L, PDW S 32-65 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; 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



RCM



RoHS



CE



VCCI



FCC Class B

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