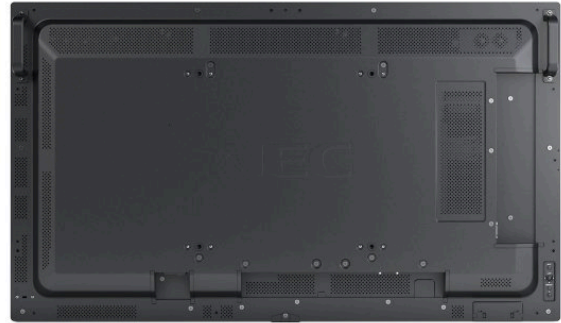


NEC MultiSync® P435
LCD 43" Professional Large Format Display

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

Unparalleled clarity of detail and colour accuracy is achieved with 8K signal processing, wide colour gamut and the integrated NEC SpectraView® engine controlling all visual parameters. 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 NEC Open Modular Intelligence (OMI) slot-in technology, choose scalable computing power with Raspberry Pi Compute Module 4 or the more powerful Intel® Smart Display Modules (Intel®SDM) for tailor-made signage solutions.

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

Benefits

Secure remote management – control your devices remotely and securely using NEC NaviSet Administrator 2; proactively manage maintenance requirements saving time and resources

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

Safe for public environments – a metal back cover and intelligent heat management ensure safe use in public spaces where fire-retardancy is mandatory

Enhanced imaging performance – advanced settings of all relevant visual parameters allow full control of brightness, colour, gamma and uniformity via the SpectraView Engine for precise, natural images.

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.

Product Information

| | |
|---------------|---|
| Product Name | NEC MultiSync® P435 |
| Product Group | LCD 43" Professional Large Format Display |
| Order Code | 60005141 |

Display

| | |
|---------------------------------|---|
| Panel Technology | IPS with Edge LED backlights |
| Screen Size [inch/cm] | 43 / 108 |
| 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 | Landscape, Portrait, Face Up, Face Down ² |

Synchronisation Rate

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

Resolution

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

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

| | |
|--------------------------------|----------------------------------|
| Power Consumption Eco/max. [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] | 968.2 x 561 x 67.1 |
| Weight [kg] | 18.5 |
| Bezel Width [mm] | 11 (left, right and top); 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] | 1,120 x 700 x 203 |
| Packaging Weight [kg] | 23 |
| Colour Bezel | Pantone 426M (black) |
| Material | Metal |

Available Options

| | |
|-------------|---|
| Accessories | Feet (ST-401/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: 87 kWh/1000 h; Energy efficiency class: G; LED backlight |
|-------------------|--|

Additional Features

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

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