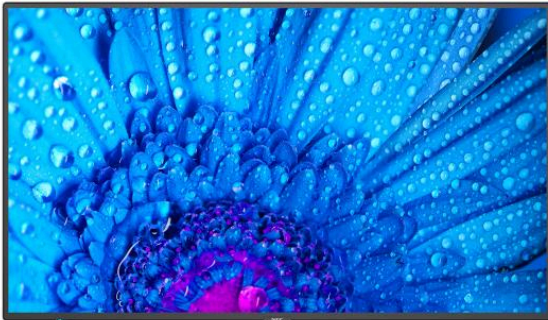


MultiSync® M431
LCD 43" Message Large Format Display

Datasheet



Intuitive professional content delivery

Great first impressions can make all the difference; presenting your business in the best possible way will boost your brand. With slim, modern styling, 24/7 operation and high haze panel to reduce reflections when ambient light is high, the M series is the professional way to deliver your message, yet at an attractive price point.

With the optional NEC MediaPlayer or the more powerful Intel® Smart Display Module (Intel® SDM) computing device, you are primed and ready for intuitive signage creation delivering real-time media playback for exceptional visual experiences. For advertising, infotainment and meeting room applications, the M Series provides powerful, upgradable functionality and all the aesthetic appeal to effortlessly reflect your brand credentials.

Benefits

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

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

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.

Future Ready Connectivity – featuring multiple industry standard digital and analogue signal inputs for flexible integration into AV infrastructures.

Product Information

| | |
|---------------|--------------------------------------|
| Product Name | MultiSync® M431 |
| Product Group | LCD 43" Message Large Format Display |
| Order Code | 60005047 |

Display

| | |
|---------------------------------|---|
| Panel Technology | IPS with Edge LED backlights |
| Screen Size [inch/cm] | 43 / 108 |
| Aspect Ratio | 16:9 |
| Brightness [cd/m ²] | 500 |
| Contrast Ratio | ≥ 8000:1 ¹ |
| Viewing Angle [°] | 178 horizontal / 178 vertical (typ. at contrast ratio 10:1) |
| Response Time (typ.) [ms] | 5 |
| Panel Refresh Rate [Hz] | 60 |
| Haze Level [%] | Pro (28) |
| Supported Orientation | Landscape; Portrait |

Synchronisation Rate

| | |
|----------------------------|-----------|
| Horizontal Frequency [kHz] | 26 - 91.1 |
| Vertical Frequency [Hz] | 23 - 86 |

Resolution

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

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 |
| 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 45 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 Eco/max. [W] | 80 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] | 17.8 |
| 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] | Box 1: 1,120 x 700 x 203 |
| Colour Bezel | Pantone 426M (black) |
| Material | Metal |

Available Options

| | |
|-------------|---|
| Accessories | Feet (ST-401/ST-43M); Soundbar; Trolley (PDMHM-L); Wall mount (PDW C L and P, PD02W T M L, PD03W T M P) |
|-------------|---|

Green Features

| | |
|----------------------|--|
| Energy Efficiency | Energy consumption: 68 kWh/1000 h; Energy efficiency class: G; LED backlight |
| Ecological Standards | EnergyStar 8.0 |

Additional Features

| | |
|-------------------------|--|
| Special Characteristics | DICOM Simulation |
| Safety and Ergonomics | Energy Star 8.0 |
| 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; Remote Control; Setup Manual |
| Warranty | 3 years warranty incl. backlight; additional services available |
| Operating Hours | 24/7 |
| External Control | AMX NetLinx Support; ASCII Control Commands; ASCII Control Commands; Crestron RoomView; Crestron RoomView; HDMI CEC; HDMI CEC; HTTP Browser; HTTP Browser; PJLink; PJLink; Scheduled Timer; SNMP |
| Remote Management | Automated Email Alerts; NEC NaViSet Administrator 2 |
| Security | Disable HW Buttons; Disable IR Functionality; Emergency Notification |

¹ out of the box conditions, local dimming ON

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