

MultiSync® E437Q

LCD 43" Entry Level Large Format Display

Datasheet



Enter the world of digital signage

You can now enjoy all the benefits of an NEC display while keeping your price-conscious approach to spending. The E Series is the perfect introduction to the world of professional digital signage. Bring NEC's renowned performance and dependable quality into your meeting room or retail space and see just how seamlessly it will meet your digital signage needs.

The E Series impressively displays your retail content and is easy enough to use in daily meetings. You'll enjoy the MediaPlayer's native UHD content playback - which can be used automatically via the integrated playback tool. The 10W powered USB interface that lets you power external devices like the Raspberry Pi to upgrade the computing power of the display. For instant meeting start-ups, the display comes equipped with auto wake-up, which wakes up the screen once a notebook is connected. The NaViSet Administrator 2 is engineered to provide remote support, supporting E Series displays from 7th generation onwards.

Benefits

Reduced Installation and Operating Costs - highly energy efficient LED backlit display ensures low power consumption, longer backlight lifetime and lighter design for easy transportation, mounting and integration.

Slim Design and Integrated Speakers - the aesthetic design is pleasing to the eye and enables easy, low cost installation.

Effortless content playback - the integrated USB media player supports various image video file formats for effortless and standalone content playback.

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

Professional integration - enriched with essential RS232 functionality, IR and button lock out as well as digital audio output S/PDIF, the display can easily be integrated into professional applications in public environments.

Standalone operation - the display is designed for straightforward standalone operation due to integrated USB media player, speakers and scheduling functionality.

Product Information

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|---------------|--|
| Product Name | MultiSync® E437Q |
| Product Group | LCD 43" Entry Level Large Format Display |
| Order Code | 60004544 |

Display

| | |
|---------------------------------|---|
| Panel Technology | VA with Direct LED backlights |
| Active Screen Area (W x H) [mm] | 941 x 529 |
| Screen Size [inch/cm] | 42.5 / 108 |
| Aspect Ratio | 16:9 |
| Pixel Pitch [mm] | 0.364 |
| Brightness [cd/m ²] | 350 |
| Contrast Ratio (typ.) | 4000:1 |
| Viewing Angle [°] | 178 horizontal / 178 vertical (typ. at contrast ratio 20:1) |
| Response Time (typ.) [ms] | 8 |
| Panel Refresh Rate [Hz] | 60 |
| Haze Level [%] | Standard (2) |
| Supported Orientation | Landscape |

Resolution

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|------------------------|--|--|---|--|
| Native Resolution | 3840 x 2160 | | | |
| Supported Resolutions | 3840 x 2160; 1920 x 1080; | 1280 x 1024; 1280 x 800; | 1280 x 720; 1024 x 768; | 800 x 600; 640 x 480 |
| Supported on HDMI only | 1080p (60 Hz); 1080p (50 Hz); 1080p (30 Hz); | 1080p (24 Hz); 1080i (50 Hz); 1080i (60 Hz); | 720p (60 Hz); 720p (50 Hz); 576p (50 Hz); | 576i (50 Hz); 480p (60 Hz); 480i (60 Hz) |

Connectivity

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| Input Video Analogue | 1 x VGA; Component (RCA); Composite (RCA) |
| Input Video Digital | 3 x HDMI |
| Input Audio Analogue | 1 x 3,5 mm jack |
| Input Audio Digital | 3 x HDMI |
| Input Control | LAN 100Mbit; RS232 |
| Output Audio Analogue | 1 x 3,5 mm jack |
| Output Audio Digital | 1 x SPDIF |
| Remote Control | Remote Control IR; RS-232C (9-pin D-sub) Input |

Sensors

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| Ambient Light Sensor | Integrated, triggered actions programmable |
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Electrical

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| Power Consumption Eco/max. [W] | 86 shipping |
|--------------------------------|-------------|

Environmental Conditions

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| Operating Temperature [°C] | +0 to +40 |
| Operating Humidity [%] | 10 to 80 |
| Storage Humidity [%] | 5 to 85 |
| Storage Temperature [°C] | -10 to +60 |

Mechanical

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|-----------------------------|---|
| Dimensions (W x H x D) [mm] | Without stand: 968 x 559 x 77 |
| Weight [kg] | Without stand: 8.9 |
| Bezel Width [mm] | 11.9 (left, right and top); 14.9 (bottom) |
| VESA Mounting [mm] | 200 x 200 (FDMI); 4 holes; M6 |

MediaPlayer

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|--------------------------------------|--|
| Supported Image Formats | JPG (baseline, progressive, RGB, CMYK); max. resolution 15360 x 8640 |
| Supported Audio Formats | MP3 (MP3); max. bit-rate 320 kBit/s |
| Supported File Storage / File System | USB 2.0 / FAT16, FAT32 |
| Supported Video Container Formats | MPG, MPEG, MPEG2-TS, MPEG2-PS, MP4, MKV, AVI, Motion JPEG |
| Supported Video Codecs | MPEG1, MPEG2, H.263, H.264, H.265, WMV |
| Supported Audio Codecs (Video) | LPCM, MP3, AC-3, AAC, WMA Standard, AC-3 |

Available Options

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| Accessories | Feet (ST-43E); Wall mount (PDW S 32-55L) |
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Green Features

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| Energy Efficiency | Ambient light sensor; Annual energy consumption: 119 kWh (based on 4 operating hours per day); ECOMode; Energy efficiency class: B; LED backlight; Low power consumption |
| Ecological Materials | Manuals on CD |
| Ecological Standards | EnergyStar 7.0 |

Additional Features

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|-------------------------|---|
| Special Characteristics | Ambient Light Sensor; Audio settings with equalizer; CEC Support; Colour temperature mode; Crestron RoomView Support; Display Browser Control; Energy saving picture mode; HDMI with UHD at 60 Hz; HDR Gamma Support (HLG, PQ); Mac and Windows compatible; NaViSet Administrator 2; Retail picture mode; Scheduler; SNMP Support; USB Media Player |
| Colour Versions | Black Front Bezel, Black Back Cabinet |
| Safety and Ergonomics | EMC Class B; FCC; PSB; RCM; TÜV S; UL/C-UL; VCCI |
| Audio | Integrated Speakers (10 W + 10 W) |
| Shipping Content | Display; HDMI Cable; Power Cable; Remote Control |
| Warranty | 3 years warranty incl. backlight |
| Operating Hours | 16/7 |



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