

Datasheet



Functionality you need, at the price you want

A professional solution for low-budget applications, the E series forestalls the lure of domestic TVs which are not fit-for-purpose. Designed for the rigours of commercial usage, the E Series delivers the functionality and reliability you need, at the price you want.

An integrated MediaPlayer supports native UHD resolution and High Dynamic Range (HDR) for deep contrasts and natural looking content playback with auto-play function. Requiring no additional cables, external devices or signage software, the USB MediaPlayer enables a simple seamless professional signage solution. Meanwhile, a 10W USB interface supports connection of external devices should additional computing power be required.

For instant start-up in meeting spaces, inputs are detected automatically with easy switching between HDMI sources. Facilities managers will welcome the ability to remotely control their digital estate via the network thanks to the integrated LAN and NEC's NaviSet Administrator 2 functionality making the E Series the perfect choice for corporate meeting rooms and entry level digital signage.

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 | NEC MultiSync® E438 |
| Product Group | LCD 43" Essential Large Format Display |
| Order Code | 60005045 |

Display

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|---------------------------------|---|
| Panel Technology | IPS 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] | 0.245 |
| Brightness [cd/m²] | 350 |
| Contrast Ratio (typ.) | 1200:1 |
| Viewing Angle [°] | 178 horizontal / 178 vertical (typ. at contrast ratio 10:1) |
| Colour Depth [bn] | 1.073 (10bit) |
| Response Time (typ.) [ms] | 8 |
| Panel Refresh Rate [Hz] | 60 |
| Haze Level [%] | Standard (1) |
| Supported Orientation | Landscape |

Synchronisation Rate

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|----------------------------|----------|
| Horizontal Frequency [kHz] | 15 - 136 |
| Vertical Frequency [Hz] | 24 - 75 |

Resolution

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|-----------------------|--|
| Native Resolution | 3840 x 2160 |
| Supported Resolutions | 4096 x 2160; 1920 x 1200; 1280 x 720; 720 x 480; 3840 x 2160; 1920 x 1080; 720 x 576; 640 x 480 |

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 |
| Input Data | 1 x USB 2.0 (MediaPlayer); 1 x USB Typ-C (5V/3A, power for external devices) |
| 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 |
| Temperature Sensor | Integrated, 1 sensors, triggered actions programmable |

Electrical

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|--------------------------------|--------------------------------|
| Power Consumption Eco/max. [W] | 72 shipping |
| Power Savings Mode [W] | < 0.5; < 2 (Networked Standby) |

Power Supply 100-240 V AC; 50/60 Hz; internal

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: 970.2 x 559.8 x 71 |
| Weight [kg] | Without stand: 8.9 |
| Bezel Width [mm] | 12.5 (left, right and top); 13.9 (bottom) |
| VESA Mounting [mm] | 200 x 200 (FDMI); 4 holes; M6 |

MediaPlayer

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|--------------------------------------|---|
| Supported File Storage / File System | USB 2.0 / FAT16, FAT32 |
| Supported Image Formats | JPG (baseline, progressive, RGB, CMYK); max. resolution 15360 x 8640 |
| Supported Video Formats | MPG (MPEG1/2/4, max res 1080p@30Hz); MP4 (MPEG2/4, H.263, H.264, HEVC/H.265, max res 3840x2160@60Hz); TS (MPEG2, H.264, HEVC/H.265, max res 3840x2160@60Hz); audio: LPCM, MP3, AAC; WMV (video H.264, Windows Media Video 9, max res 1080p@30Hz, audio WMA 9, WMA 10 Pro) |
| Supported Audio Formats | MP3 (MP3); max. bit-rate 320 kBit/s |

Available Options

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| Accessories | Feet (ST-32E2); Wall mount (PDW S 32-55L) |
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Green Features

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| Energy Efficiency | Energy consumption: 55 kWh/1000 h; Energy efficiency class: G; LED backlight |
| Ecological Materials | Manuals on CD |
| Ecological Standards | EnergyStar 8.0 |

Additional Features

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| Special Characteristics | Ambient Light Sensor; Audio settings with equalizer; CEC Support; Colour temperature mode; 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; Energy Star 8; FCC; PSB; RCM; TÜV S; UL/C-UL; VCCI |
| 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 |
| Operating Hours | 16/7 |



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