

NEC MultiSync® E558 LCD 55" Essential Large Format Display

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.

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

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

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

Product Information

Product Name	NEC MultiSync® E558
Product Group	LCD 55" Essential Large Format Display
Order Code	60005054

Display

Panel Technology	IPS with Direct LED backlights
Active Screen Area (W x H) [mm]	1,210 x 680
Screen Size [inch/cm]	54.6 / 139
Aspect Ratio	16:9
Pixel Pitch [mm]	0.315
Brightness [cd/m ²]	400
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; Portrait

Resolution

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

Synchronisation Rate

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

Connectivity

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)
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Output Audio Analogue	1 x 3,5 mm jack
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Output Audio Digital	1 x SPDIF
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Remote Control	Remote Control IR; RS-232C (9-pin D-sub) Input
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Sensors

Ambient Light Sensor	Integrated, triggered actions programmable
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Temperature Sensor	Integrated, 1 sensors, triggered actions programmable
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Electrical

Power Consumption [W]	105 shipping
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Power Savings Mode [W]	< 0.5; < 2 (Networked Standby)
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Power Supply	100-240 V AC; 50/60 Hz; internal
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Environmental Conditions

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

Dimensions (W x H x D) [mm]	Without stand: 1,238.6 x 717.7 x 72
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Weight [kg]	Without stand: 16.8
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Bezel Width [mm]	12.5 (left, right and top); 13.9 (bottom)
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VESA Mounting [mm]	4 holes; 400 x 200 (FDMI); M6
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MediaPlayer

Supported File Storage / File System	USB 2.0 / FAT16, FAT32
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Supported Image Formats	JPG (baseline, progressive, RGB, CMYK); max. resolution 15360 x 8640
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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)
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Supported Audio Formats	MP3 (MP3); max. bit-rate 320 kBit/s
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Available Options

Accessories	Feet (ST-55E); Trolley (PDMHM-L); Wall mount (PDW S 32-55L)
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Regulatory

Safety and Ergonomics	EMC Class B; Energy Star 8; FCC; PSB; RCM; TÜV GS; UL/C-UL; VCCI
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Green Features

Energy Efficiency	Energy consumption: 76 kWh/1000 h; Energy efficiency class: G; LED backlight
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Ecological Standards	EnergyStar 8.0
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3rd Party Certifications

Crestron	Certified for Crestron CCV2 and XiO Cloud
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Additional Features

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 - free download; Powered USB-Port; Retail picture mode; Scheduler; SNMP Support; USB Media Player
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Colour Versions	Black Front Bezel, Black Back Cabinet
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Audio	Integrated Speakers (10 W + 10 W)
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Shipping Content	2x AAA batteries; Display; HDMI Cable; Power Cable; Remote Control; Setup Manual
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Warranty	3 years warranty incl. backlight
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Operating Hours	16/7
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