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

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

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

Display

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 and Portrait

Synchronisation Rate

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

Resolution

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

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)
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

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

Electrical

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

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

Mechanical

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]	4 holes; 400 x 200 (FDMI); M6

MediaPlayer

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

Accessories	Feet (ST-32E2)

Features

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

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

RCM   VCCI

For more information: