

NEC MultiSync® E436  
LCD 43" Essential Large Format Display

## Datasheet



### Enter the world of professional signage

In a digitised world, signage no longer is static. Information transfer via digital posters and information boards are common methods of information transfer. With E436 you can boost your business at low TCO, but with high reliability. Information where the audience stands close is perfectly transferred on this 43" screen. With the integrated media player, the display is designed for simple signage usage directly from a USB drive and once installed starts playing the content automatically at a certain time with the embedded autostart time schedule function. In this way the display helps you saving time and money. The 43" display of the 6<sup>th</sup> generation of our E Series is the perfect choice for essential applications in Retail Signage, Restaurants and Manufacturing & Engineering.

### 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.

## Product Information

Product Name	NEC MultiSync® E436
Product Group	LCD 43" Essential Large Format Display
Order Code	60004021

## Display

Panel Technology	S-IPS with Direct LED backlights
Active Screen Area (W x H) [mm]	941 x 529
Screen Size [inch/cm]	43 / 109
Aspect Ratio	16:9
Brightness [cd/m <sup>2</sup> ]	350
Contrast Ratio (typ.)	1200:1
Viewing Angle [°]	176 horizontal / 176 vertical (typ. at contrast ratio 20:1)
Response Time (typ.) [ms]	8
Panel Refresh Rate [Hz]	60
Haze Level [%]	Standard (1)
Supported Orientation	Landscape

## Resolution

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

## Connectivity

Input Video Analogue	1 x VGA; Component (RCA); Composite (RCA)
Input Video Digital	3 x HDMI
Input Audio Digital	3 x HDMI
Output Audio Digital	1 x SPDIF
Remote Control	Remote Control IR; RS-232C (9-pin D-sub) Input

## Electrical

Power Consumption Eco/max. [W]	57 shipping
Power Savings Mode [W]	< 0.5 (ECO Standby)
Power Management	VESA DPMS

## 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: 968 x 559 x 77
Weight [kg]	Without stand: 8.55
Bezel Width [mm]	10.4 (left, right and top); 13.4 (bottom)

VESA Mounting [mm] 200 x 200 (FDMI); 4 holes; M6

## MediaPlayer

Supported Video Container Formats	MPG, MPEG, MPEG2-TS, MPEG2-PS, MP4, MKV, AVI, Motion JPEG
Supported Video Codecs	MPEG1, MPEG2, H.264, JPEG
Supported Audio Codecs (Video)	MPEG Audio Layer 2, MPEG Audio Layer 3, AC-3

## Available Options

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

Energy Efficiency	Annual energy consumption: 85 kWh (based on 4 operating hours per day); ECOMode; Energy efficiency class: A; LED backlight; Low power consumption
Ecological Standards	EnergyStar 7.0

## Additional Features

Special Characteristics	Audio settings with equalizer; Colour temperature mode; Energy saving picture mode; Mac and Windows compatible; Retail picture mode; Scheduler; USB Media Player
Colour Versions	Black Front Bezel, Black Back Cabinet
Safety and Ergonomics	C-tick; CE; Energy Star 7.0; FCC Class B; PSB; RCM; REACH; RoHS; SASO; UL/C-UL or CSA
Pixel Failure Class	ISO 9241-307, Class 3
Audio	Integrated Speakers (10 W + 10 W)
Shipping Content	Display; Power Cable; Remote Control; VGA cable
Warranty	3 years warranty incl. backlight
Operating Hours	12/7



FCC Class B



CE



C-tick



RoHS



RCM

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