\Orchestrating a brighter world

MultiSync® E506

LCD 50” Entry Level 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 E506 you can boost your business at low TCO, but with high reliability. Information where the audience stands close is perfectly transferred on this 50’’ 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 50’’ display of the 6th 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.

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

Product Information

Product Name	MultiSync® E506
Product Group	LCD 50" Entry Level Large Format Display
Order Code	60004022

Display

Panel Technology	S-PVA with direct LED backlight
Active Screen Area (W x H) [mm]	1.096 x 616
Screen Size [inch/cm]	50 / 127
Aspect Ratio	16:9
Brightness [cd/m²]	350
Contrast Ratio (typ.)	3000:1
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 (2)
Supported Orientation	Landscape

Resolution

Native Resolution	1920 x 1080			
Supported Resolutions	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

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 [W]	79 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: 1.123 x 646 x 77
Weight [kg]	Without stand: 12.88
Bezel Width [mm]	11.9 (left, right and top); 14.9 (bottom)

VESA Mounting [mm]	4 holes; 400 x 200 (FDMI); 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-50E); Trolley (PDMHM-L); Wall mount (PDW S 32-55L)

Green Features

Energy Efficiency	Annual energy consumption: 123 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
Safety and Ergonomics	C-tick; CE; Energy Star 7.0; FCC Class B; PSB; 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

CE C-tick FCC Class B RoHS

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