\Orchestrating a brighter world NEC

MultiSync® E507Q

LCD 50" Entry Level Large Format Display

Datasheet





Enter the world of digital signage

You can now enjoy all the benefits of an NEC display while keeping your price-conscious approach to spending. The E Series is the perfect introduction to the world of professional digital signage. Bring NEC's renowned performance and dependable quality into your meeting room or retail space and see just how seamlessly it will meet your digital signage needs.

The E Series impressively displays your retail content and is easy enough to use in daily meetings. You'll enjoy the MediaPlayer's native UHD content playback – which can be used automatically via the integrated playback tool. The 10W powered USB interface that lets you power external devices like the Raspberry Pi to upgrade the computing power of the display. For instant meeting start-ups, the display comes equipped with auto wake-up, which wakes up the screen once a notebook is connected. The NaViSet Administrator 2 is engineered to provide remote support, supporting E Series displays from 7th generation onwards.

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® E507Q
Product Group	LCD 50" Entry Level Large Format Display
Order Code	60004548

Display

Panel Technology	VA with Direct LED backlights
Active Screen Area (W x H) [mm]	1.096 x 616
Screen Size [inch/cm]	49.5 / 126
Aspect Ratio	16:9
Pixel Pitch [mm]	0.285
Brightness [cd/m²]	350
Contrast Ratio (typ.)	4000:1
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 20:1)
Response Time (typ.) [ms]	8
Panel Refresh Rate [Hz]	60
Haze Level [%]	Standard (2)
Supported Orientation	Landscape

Synchronisation Rate

Horizontal Frequency [kHz]	15 - 134
Vertical Frequency [Hz]	23 - 70

Resolution

Native Resolution	3840 x 2160			
Supported Resolutions	3840 x 2160; 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 Analogue	1 x 3,5 mm jack
Input Audio Digital	3 x HDMI
Input Control	LAN 100Mbit; RS232
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

Electrical

Power Consumption [W]	97 shipping
Power Savings Mode [W]	< 0.5 (ECO Standby)

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: 12.4
Bezel Width [mm]	11.9 (left, right and top); 14.9 (bottom)
VESA Mounting [mm]	4 holes; 400 x 200 (FDMI); M6

MediaPlayer

Supported Image Formats	JPG (baseline, progressive, RGB, CMYK); max. resolution 15360 x 8640
Supported File Storage / File System	USB 2.0 / FAT16, FAT32
Supported Video Container Formats	MPG, MPEG, MPEG2-TS, MPEG2-PS, MP4, MKV, AVI, Motion JPEG
Supported Video Codecs	MPEG1, MPEG2, H.263, H.264, H.265, WMV
Supported Audio Codecs (Video)	LPCM, MP3, AC-3, AAC, WMA Standard, WMA 9 Professional

Available Options

Accessories	Feet (ST-43E); Trolley (PDMHM-L); Wall mount (PDW S 32-55L)

Green Features

Energy Efficiency	Annual energy consumption: 133 kWh (based on 4 operating hours per day); ECOMode; Energy efficiency class: A; LED backlight; Low power consumption
Ecological Standards	EnergyStar (TBD).(TBD)

Additional Features

Special Characteristics	Ambient Light Sensor; Audio settings with equalizer; CEC Support; Colour temperature mode; Crestron RoomView Support; 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; Powered USB-Port; Retail picture mode; Scheduler; SNMP Support; USB Media Player
Safety and Ergonomics	EMC Class B; FCC; PSB; RCM; TÜV S; UL/C-UL; VCCI
Audio	Integrated Speakers (10 W + 10 W)
Shipping Content	Display; HDMI Cable; Power Cable; Remote Control
Warranty	3 years warranty incl. backlight
Operating Hours	16/7



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