

NEC MultiSync® E498 LCD 49" 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

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.

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

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® E498	
Product Group	LCD 49" Essential Large Format Display	
Order Code	60005052	

Display

Panel Technology	IPS with Direct LED backlights
Active Screen Area (W	1,073.8 x 604
x H) [mm]	
Screen Size [inch/cm]	48.5 / 123.2
Aspect Ratio	16:9
Pixel Pitch [mm]	0.280
Brightness [cd/m²]	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.)	8
[ms]	
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	15 - 136
[kHz]	
Vertical Frequency [Hz]	24 - 75

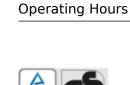
Connectivity

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)	
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 [W]	109 shipping	
Power Savings Mode [W]	< 0.5; < 2 (Networked Standby)	
Power Supply	100-240 V AC; 50/60 Hz; internal	
Environmental Cond	itions	
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: 1,102.8 x 634 x 71.6	
Weight [kg]	Without stand: 12.4	
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	JPG (baseline, progressive, RGB, CMYK); max. resolution 15360 x 8640	
Carmata		

Formats

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); Trolley (PDMHM-L); Wall mount (PDW S 32-55L)
Regulatory	
Safety and Ergonomics	EMC Class B; Energy Star 8; FCC; PSB; RCM; TÜV GS; UL/C-UL; VCCI
Green Features	
Energy Efficiency	Energy consumption: 77 kWh/1000 h; Energy efficiency class: G; LED backlight
Ecological Standards	EnergyStar 8.0
3rd Party Certificati	ons
Crestron	Certified for Crestron CCV2 and XiO Cloud
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



Warranty

Shipping Content

Audio



16/7

Setup Manual



Integrated Speakers (10 W + 10 W)

3 years warranty incl. backlight

2x AAA batteries; Display; HDMI Cable; Power Cable; Remote Control;

TÜV GS

VCCI

RCM

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