\Orchestrating a brighter world NEC

MultiSync® E556

LCD 55” 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 E556 you can boost your business at low TCO, but with high reliability. Information where the audience stands close is perfectly transferred on this 55’’ 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 55’’ 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.

Future Ready Connectivity – featuring multiple industry standard digital and analogue signal inputs for flexible integration into AV infrastructures.

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

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.

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

Product Information

Product Name	MultiSync® E556
Product Group	LCD 55" Entry Level Large Format Display
Order Code	60004023

Display

Panel Technology	S-IPS with Direct LED backlights
Active Screen Area (W x H) [mm]	1,210 x 680
Screen Size [inch/cm]	55 / 140
Aspect Ratio	16:9
Brightness [cd/m²]	350
Contrast Ratio (typ.)	1200:1
Viewing Angle [°]	176 horizontal / 176 vertical (typ. at contrast ratio 20:1)
Response Time (typ.) [ms]	9
Panel Refresh Rate [Hz]	60
Haze Level [%]	Standard (1)
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 (30 Hz); 1080p (24 Hz);	1080p (0 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]	81 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: 1,239 x 712 x 79
Weight [kg]	Without stand: 15.6
Bezel Width [mm]	12.9 (left, right and top); 14.7 (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 Layer2, 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: 119 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; 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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