LCD 86" Essential Large Format Display

NEC MultiSync® E868





Functionality you need for presentations and digital signage

Designed for the rigours of commercial usage, yet at an impressively low total cost of ownership, with 18/7 operating hours the 86-inch MultiSync® E868 Large Format Display delivers the functionality and reliability you need for large meeting rooms and digital signage. The robust metal chassis which naturally dissipates heat is safeguarding long life performance, fire safety and sustainable waste management.

A professional haze level (Pro 28) supports excellent visibility without distracting reflections; combined with brightness of up to 400 cd/m², the E868 meets the demands of today's meeting room environments. Presenters can feel confident, benefiting from instant meeting start-up, thanks to auto input detection and easy switching between HDMI sources.

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.

Facilities managers will welcome the ability to remotely control their digital estate via the network thanks to the integrated LAN and NEC NaViSet Administrator 2 functionality making this display the perfect choice for corporate meeting rooms and entry level digital signage.

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.

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

Specifications

Product Information

Product Name
NEC MultiSync® E868

Product Group
LCD 86" Essential Large Format Display

Order Code
60005159

Display

Panel Technology
IPS with Direct LED backlights

Active Screen Area (W x H) [mm]
1,895.04 x 1,065.96

Screen Size [inch/cm]
85.6 / 217.43

Aspect Ratio
16:9

Pixel Pitch [mm]
0.494

Brightness [cd/m²]
400

Contrast Ratio
≥ 8000:1 [1]

Viewing Angle [°]
178 horizontal / 178 vertical (typ. at contrast ratio 10:1)

Colour Depth [bn]
1.073 (10bit)

Response Time (typ.) [ms]
8

Panel Refresh Rate [Hz]
60

Haze Level [%]
Pro (25)

Supported Orientation
Landscape; Portrait

Resolution

Native Resolution
3840 x 2160

Supported Resolutions

1280 x 720;	3840 x 2160;	720 x 480;
1920 x 1080;	4096 x 2160;	720 x 576
1920 x 1200;	640 x 480;	

Synchronisation Rate

Horizontal Frequency [kHz]
15 - 136

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

Electrical

Power Consumption [W]
250 shipping

Power Savings Mode [W]
< 0.5; < 2 (Networked Standby)

Power Supply
100-240 V AC; 50/60 Hz; internal

Environmental Conditions

Operating Temperature [°C]
+0 to +40

Operating Humidity [%]
20 to 80

Storage Humidity [%]
10 to 90

Storage Temperature [°C]
-20 to +60

Mechanical

Dimensions (W x H x D) [mm]
Without stand: 1,927.6 x 1,099.1 x 83.2

Weight [kg]
Without stand: 46

Bezel Width [mm]
14.3 (left/right/top); 14.8 (bottom)

VESA Mounting [mm]
4 holes; 600 x 400 (FDMI); M8

Material
Metal

MediaPlayer

Supported File Storage / File System
USB 2.0 / FAT16, FAT32

Supported Image Formats
JPG (baseline, progressive, RGB, CMYK); max. resolution 15360 x 8640

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-801); Trolley (L20PNSR780MEU); Wall mount (L20PNWALL90EU); Wall mount (SF680P)

Regulatory

Safety and Ergonomics
EMC Class B; Energy Star 8; FCC; PSB; RCM; TÜV S; UL/C-UL; VCCI

Green Features

Energy Efficiency
Energy Consumption: 176 kWh/1000 h; Energy Efficiency Class: G; LED Backlight

Ecological Standards
EnergyStar 8.0

3rd Party Certifications

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

Colour Versions
Black Front Bezel, Black Back Cabinet

Audio
Integrated Speakers (10 W + 10 W)

Shipping Content
2x AAA batteries; Display; HDMI Cable; Power Cable; Remote Control; Setup Manual

Warranty
3 years warranty incl. backlight

Operating Hours
18/7

External Control
Crestron Connected

[1] out of the box conditions, local dimming ON



RCM



VCCI

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