

NEC MultiSync® EA275UHD  
LCD 27" Enterprise Display

## Datasheet



NEC is ushering in a new era of visual experience with the MultiSync® EA275UHD. The EA275UHD is a high performance IPS display with the latest 4K UHD (3840x2160) super resolution and accurate colour capability. Offering the very latest HDMI and DisplayPort connectivity (UHD at 60 Hz), as well as DVI input, this monitor can be used in many mission critical applications, where decision making is based on highly detailed, accurate and reliable image quality. Outstanding ergonomic comfort makes it very user-friendly and further enhances professional productivity.

## Benefits

**Rich detail and complete image overview** - 4K UHD resolution 3840 x 2160.

**Ergonomic Office** - full height adjustability (130 mm), swivel, tilt and pivot functionality ensures perfect individual ergonomic set-up.

**Minimize power consumption** - Human Sensor detects the presence of a person in front of the screen; display switches on/off automatically depending on the presence of the user.

**Uncompromising image quality and more realistic colour reproduction** - 10-bit IPS sRGB gamut Colour.

**Straightforward radiological review applications** - DICOM Simulation.

## Product Information

Product Name	NEC MultiSync® EA275UHD
Product Group	LCD 27" Enterprise Display
Order Code	60003865 (BK), 60003867 (WH)

## Display

Panel Technology	IPS TFT with W-LED backlight
Screen Size [inch/cm]	27 / 68
Screen Aspect Ratio	16:9
Pixel Pitch [mm]	0.155
Brightness (typ.) [cd/m <sup>2</sup> ]	350
Contrast Ratio (typ.)	1000:1
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	5
Colours [Billion]	1.064 (10-bit per colour)
Colour Gamut Size / Coverage	100% /100% sRGB

## Synchronisation Rate

Horizontal Frequency [kHz]	31.5 - 135
Vertical Frequency [Hz]	30 - 75

## Resolution

Optimum Resolution	3840 x 2160 at 60 Hz			
Supported	3840 x 2160; 2560 x 1600; 2560 x 1440; 1920 x 2160;	1920 x 1080; 1280 x 2160; 1280 x 960; 1152 x 870;	1152 x 864; 1024 x 768; 832 x 624; 800 x 600;	720 x 400; 640 x 480

## Connectivity

Digital	1 x DisplayPort; 1 x DVI-D; 1 x HDMI; USB ver 3 (1 up / 2 down) ver 2 (1 down)
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## Electrical

Power Consumption on Mode [W]	28 (Eco Mode); 34 (typ.); 49 (max.)
Power Savings Mode [W]	0.37
Power Supply	1.2 A/0.65 A; 100-120 V/220-240 V; internal power supply

## Environmental Conditions

Operating Temperature [°C]	+5 to +35
Operating Humidity [%]	20 to 80

## Ergonomics

Height adjustable stand [mm]	130
Screen Tilt [°]	-5 to +30
Screen Swivel [°]	-170 to +170
Screen Rotate [°]	0 to 90 (landscape to portrait mode)

## Mechanical

Bezel Width [mm]	14.8 (left and right); 18.1 (top and bottom)
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Dimensions (W x H x D) [mm] 639.2 x 417.9 x 230

Weight [kg] 9.1

VESA Mounting [mm] 100 x 100

## Additional Features

Special Characteristics	Ambient light sensor for optimized brightness levels; Carbon Footprint Meter; Carbon Savings Meter; ControlSync®; Cost Meter; DICOM simulation; DisplayPort; ErgoDesign®: Height adjustable stand (130 mm), swivel (170°), and portrait (90°); Human Sensor; LED Backlight Technology; NaViSet Administrator 2; Picture-by-Picture; Rapid Response Technology; USB ver. 3.0 (2 down / 1 up); Versatile installation (VESA standard), with integrated speakers (1+1 W); Windows 8 compatible
Colour Versions	Black Front Bezel, Black Back Cabinet; White Front Bezel, White Back Cabinet
Cable Management	yes
Kensington security slot	yes
Plug and Play	DDC2B/2Bi; EDID Standard; VESA DDC/CI
Audio	Headphone Jack; Integrated Speakers (1 W + 1 W)
Adjust Functions	Auto Adjust; Brightness; Colour Temperature Control; Contrast; Language Select; Monitor Information; On-Screen-Display (OSD) lock-out; Volume
Shipping Content	DisplayPort Cable; Monitor; Power Cable; Setup Guide
Safety and Ergonomics	CE; EAC; EnergyStar 6.0; FCC Class B; ISO 9241-307 (pixel failure class I); MPR II/ MPR III; RoHS; TCO 6.0; TÜV Ergonomics; TÜV GS; UL/C-UL or CSA
Warranty	3 years warranty incl. backlight; optional 4th to 5th year warranty extension

## Green Features

Energy Efficiency	Annual energy consumption: 76 kWh (based on 4 operating hours per day); Energy efficiency class: B; LED backlight technology
Ecological Standards	Energy Star 6.0; ErP compliant; RoHS compliant; TCO 6.0



MPR II/ MPR  
III



FCC Class B



CE



RoHS



TCO 6.0



TÜV GS



TÜV  
Ergonomics

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