

Orchestrating a brighter world

NEC

MultiSync® EA241WU  
LCD 24" Commercial Display

## Datasheet



### NEC MultiSync® EA241WU Ultra-Thin Bezel – Best productivity with tailored ergonomics plus style and performance to complement the modern office

With full height adjustability from 0 to 150 mm and 170° swivel functionality, this 24" display enables the user to create an individually tailored workspace. Furthermore, built-in Low Blue Light technology filters out hazardous blue light emissions whilst Flicker-Free technology eliminates the effect of flickering thus ensuring the well-being of the user. Fulfilling the demand for future-ready performance and delivering all the quality and reliability commensurate with the NEC brand, the EA241WU is well positioned to maximise office productivity.

Performance AH-IPS screen technology with LED backlit panel delivers 300 cd/m<sup>2</sup> of brightness whilst keeping power consumption to a minimum.

### Benefits

**Ergonomic Office** – full height adjustability (150 mm), swivel, tilt and pivot functionality ensures perfect individual ergonomic set-up.

**Best in form and function** – future-ready design with 3-sided ultra-narrow bezel, available in black or white, complementing a fresh professional office interior.

**Protecting your eyes from strain and damage** – Built-in Low Blue Light technology filters out hazardous blue light emissions whilst Flicker-Free technology eliminates any backlight flickering, thus protecting your eyes against cataracts and macular degeneration without compromise to true-to-life display colour performance.

**Auto-Adjust Power Consumption** – to minimize unnecessary power, Human and Ambient Light Sensor adjusts the display brightness when a user leaves his desk.

**Business Class Image Quality** – Advanced High-Performance IPS (AH-IPS) panel provides the very best viewing angles as well as noticeably better colour reproduction.

## Product Information

Product Name	MultiSync® EA241WU
Product Group	LCD 24" Commercial Display
Order Code	60004676 (BK), 60004677 (WH)

## Display

Panel Technology	IPS TFT with W-LED backlight
Screen Size [inch/cm]	24 / 61
Screen Aspect Ratio	16:10
Pixel Pitch [mm]	0.270
Brightness (typ.) [cd/m <sup>2</sup> ]	300
Contrast Ratio (typ.)	1000:1 (5000:1 dynamic contrast ratio)
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	5
Colours [Mio.]	16.77

## Synchronisation Rate

Horizontal Frequency [kHz]	31.5 - 95
Vertical Frequency [Hz]	56 - 75

## Resolution

Optimum Resolution	1920 x 1200 at 60 Hz			
Supported	1920 x 1200; 1680 x 1050; 1600 x 1200;	1440 x 900; 1400 x 1050; 1366 x 768;	1280 x 1024; 1280 x 960; 1024 x 768;	800 x 600; 640 x 480

## Connectivity

Digital	1 x DisplayPort; 1 x DVI-D; 1 x HDMI; USB ver. 3.0 (3 down / 1 up)
Analog	1 x D-sub 15 pin

## Electrical

Power Consumption on Mode [W]	15 (Eco Mode 2); 20 (typ.); 47 (max.)
Power Savings Mode [W]	0.3
Power Supply	internal power supply

## Environmental Conditions

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

## Ergonomics

Height adjustable stand [mm]	150
Screen Tilt / Swivel [°]	-5 to +35; -170 to +170
Screen Rotate [°]	-90 to 90 (landscape to portrait mode)

## Mechanical

Bezel Width [mm]	0.8 (left/right/top)
Dimensions (W x H x D) [mm]	With stand: 531.5 x 515.4 x 250
Weight [kg]	6.7

VESA Mounting [mm] 100 x 100

### Additional Features

Special Characteristics	Ambient light sensor for optimized brightness levels; Carbon Footprint Meter; Carbon Savings Meter; ControlSync®; Customize Setting; DICOM preset; EcoModes; Human Sensor; LED Backlight Technology; NaViSet Administrator 2; Quick release Stand and Handle; sRGB Support; Touch Sensor Keys; USB ver. 3.0 (3 down / 1 up)
Colour Versions	Black Front Bezel, Black Back Cabinet; White Front Bezel, White Back Cabinet
Cable Management	yes
Kensington security slot	yes
Plug and Play	VESA DDC2B; VESA DDCi
Audio	Headphone Jack; Integrated Speakers (1 W + 1 W)
Adjust Functions	Audio Volume / Lock-Out; Auto Adjust; Brightness; Colour Temperature Control; Contrast; Control Sync; DV Mode; EcoMode; Fine Adjust (analog); Human Sensing; Intelligent Power Management; Language Select; LED Brightness; Monitor Information; NTAA (Non-Touch-Auto-Adjustment); On-Screen-Display (OSD) lock-out; One Touch Recovery; Power-Off Timer; sRGB
Shipping Content	Control Sync Cable; DisplayPort cable; Monitor; Power Cable; Setup Guide; USB Cable
Safety and Ergonomics	CE; EAC; EnergyStar 7.0; ErP; Flicker-free; ISO 9241-307 (pixel failure class I); Low Blue Light; PSB; RoHS; TCO 7.0; TÜV Ergonomics; TÜV GS; UL/C-UL or CSA; WEEE
Warranty	3 years warranty incl. backlight; optional 4th to 5th year warranty extension

### Green Features

Energy Efficiency	Ambient light sensor; Annual energy consumption: 31 kWh (based on 4 operating hours per day); Energy efficiency class: A+; Human sensor; Intelligent Power Management
Ecological Materials	Downloadable manuals
Ecological Standards	Energy Star 7.0; TCO 7.0



CE



ErP



RoHS



TÜV Ergonomics



TÜV GS

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