

# NEC MultiSync® EX231W

Order Code: 60002937 (White) 60002936 (Black)

NEC LCD 23" Commercial Display

**Ultra-slim 'Office Cool' design, combining MultiSync® trusted performance and quality with new standards of minimalism and Eco innovation. A 23 inch wide TN TFT LCD with LED backlight technology, ideal for corporates that demand style and future proof technology and excellent picture quality.**

The perfect compliment for the modern office and new developments in corporate desking, the NEC Multisync EX 231W features an extremely thin LED backlight panel in a design that puts a priority on the screen image and its positioning.

For demanding ECO users or those wanting the optimum working set-up, the EX231W include luminance and human sensors and the smallest stand on the market that offers full ergonomics. The panel can also easily be moved between VESA mounts.

## DELIVERING GENUINE BENEFITS

**ECO Innovation** - low wattage LED, human and luminance sensors to save on power consumption. The slim and lightweight design reduces required resources, packaging materials and transportation energy requirements.

**Future-proof Technology** - including two digital inputs (1 x DVI-I and 1 x DisplayPort), full HD 23inch wide format and USB for video-communication.

**Perfect Office Set-up** - the extremely light head of the monitor allows installation in various wall and desk-mounted or dual/multi-monitor solutions delivering all the best in ergonomic standards.

**The Vision of the Future** - the minimalistic appearance is a perfect match for modern office desking. The display itself is the dominant part with minimalist lines and a very slim frame, letting the image take precedence.



## OUTSTANDING PERFORMANCE

- **Wide full HD display with TN technology** - 23 inch 16:9 Full HD format with LED backlight and minimalistic design with full OSD functionality.
- **Latest inputs** - all the user will need with two digital inputs including DVI and DisplayPort.
- **Ambient light sensor with auto brightness** - automatically sets the optimised brightness level according to ambient light and content conditions saving energy and improving viewing.
- **VESA mount (100 mm)** - allowing the installation of the panel in various mounting solutions.
- **Full height adjustability (110 mm)** - together with the swivel, tilt and pivot functionality easily achieve the perfect individual ergonomic set-up in the office.
- **Human sensor** - detects the presence of a person in front of the screen and switches on/off automatically depending on the presence of the user saving power



## SPECIAL CHARACTERISTICS

Ambient light sensor for optimized brightness levels, Auto Contrast, Carbon Footprint Meter, EcoModes, Human Sensor, LED Backlight Technology, Windows 7 compatible



**Energy Efficiency** Ambient light sensor; Carbon savings meter ; EcoMode

**Ecological Materials** Efficient mechanical design for minimised packaging ; Minimal use of harmful material

**Ecological Standards** ErP compliant

Technical Specification NEC MultiSync® EX231W	
<b>DISPLAY</b>	
Panel Technology	W-LED TN TFT
Screen Size [inch/cm]	23 / 58.42
Screen Aspect Ratio	16:9
Pixel Pitch [mm]	0.265
Brightness (typ.) [cd/m <sup>2</sup> ]	250
Contrast Ratio (typ.)	1000:1 (25000:1 (typ.) dynamic contrast ratio)
Viewing Angle [°]	176 horizontal / 170 vertical (typ. at contrast ratio 5:1)
Response Time (typ.) [ms]	5
Colours [Mio.]	16.77
<b>SYNCHRONISATION RATE</b>	
Horizontal Frequency [kHz]	31.5 - 82.3
Vertical Frequency [Hz]	56 - 75
<b>RESOLUTION</b>	
Optimum Resolution	1920 x 1080 at 60 Hz
Supported	1920 x 1080; 1680 x 1050; 1440 x 900; 1400 x 1050; 1360 x 768; 1280 x 1024; 1152 x 864; 1024 x 768; 800 x 600; 720 x 400; 640 x 480
<b>CONNECTIVITY</b>	
Digital/ Analog:	1 x DVI-I; 1 x DisplayPort
<b>ELECTRICAL</b>	
Power Consumption on Mode [W]	32 (typ.); 16 (Eco Mode)
Power Savings Mode [W]	< 0.38
Power Supply	100-120 V/220-240 V; 0.6 A/0.35 A
<b>ENVIRONMENTAL CONDITIONS</b>	
Operating Temperature [°C]	+5 to +35
Operating Humidity [%]	20 to 80
Storage Humidity [%]	10 to 85
Storage Temperature [°C]	-10 to 60
<b>ERGONOMICS</b>	
Height adjustable stand [mm]	110 (Landscape mode)
Screen Tilt [°]	-5 to +30
Screen Swivel [°]	-170 to +170
Screen Rotate [°]	90
<b>MECHANICAL</b>	
Bezel Width [mm]	14
Dimensions (W x H x D) [mm]	540.2 x 401.3 x 215; Without stand: 540.2 x 318.3 x 47.7
Weight [kg]	4.1; Without stand: 2.8
VESA Mounting [mm]	100 x 100 (4 points)
<b>ADDITIONAL FEATURES</b>	
Colour Versions	White Front Bezel, White Back Cabinet; Black Front Bezel, Black Back Cabinet
Cable Management	yes
Kensington security slot	yes
Plug and Play	VESA DDC/CI; EDID Standard; VESA DDC2B
Adjust Functions	Auto Adjust; Brightness; Colour Control System; Contrast; EcoMode; Expansion Mode; Factory Preset; Language Select; Monitor Information; OSD Turn Off; On-Screen-Display (OSD) lock-out; Resolution Notifier
Shipping Content	Monitor; Power Cable; USB Cable; AC Adapter; CD-ROM; Sales Office List; User Manual Signal Cable: DVI-A - VGA; DVI-D - DVI-D
Safety and Ergonomics	EPEAT™ Gold; CE; ErP; TCO 5.0; TÜV Ergonomics; TÜV GS; GEEA/Energy Label; Energy Star 5.0; FCC Class B; PCT/Gost; UL/C-UL or CSA; CCC; ISO 9241-307 (pixel failure class I); MPR II/MPR III
Warranty	3 years warranty incl. backlight