

NEC MultiSync® EX231W

Order Code: 60002937, 60002936 (BK)

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.

Free Download of Multi-Display Management Software - with NaViSet Administrator 2 you can manage all your connected display devices from a centralized location.



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

Advanced connectivity with two digital inputs DVI-I and DisplayPort, Ambient light sensor for optimized brightness levels, Auto Contrast, Carbon Footprint Meter, Ecologics and Ergonomics complying to standards EPEAT Gold and TCO 5.0, EcoModes, Human Sensor, LED Backlight Technology, NaViSet Administrator 2, Windows 7 compatible



Energy Efficiency Ambient light sensor; Carbon Footprint Meter / 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

DISPLAY	
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/m²]	250
Contrast Ratio (typ.)	1000:1 (25000:1 dynamic contrast ratio)
Viewing Angle [°]	176 horizontal / 170 vertical (typ. at contrast ratio 5:1)
Response Time (typ.) [ms]	5
Colours [Mio.]	16.77
SYNCHRONISATION RATE	
Horizontal Frequency [kHz]	31.5 - 82.3
Vertical Frequency [Hz]	56 - 75
RESOLUTION	
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
CONNECTIVITY	
Digital/ Analog:	1 x DVI-I; 1 x DisplayPort
ELECTRICAL	
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
ENVIRONMENTAL CONDITIONS	
Operating Temperature [°C]	+5 to +35
Operating Humidity [%]	20 to 80
Storage Humidity [%]	10 to 85
Storage Temperature [°C]	-10 to 60
ERGONOMICS	
Height adjustable stand [mm]	110 (Landscape mode)
Screen Tilt [°]	-5 to +30
Screen Swivel [°]	-170 to +170
Screen Rotate [°]	90
MECHANICAL	
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)
ADDITIONAL FEATURES	
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; On-Screen-Display (OSD) lock-out; OSD Turn Off; 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