

# NEC MultiSync® EX231Wp

Order Code: 60003149, 60003150 (BK)

NEC LCD 23" Desktop Display

**Ultraslim 'Office Cool' design, combining MultiSync® trusted performance and quality with new standards of minimalism and Eco Innovation. A 23" wide PVA TFT LED Backlit display, ideal for the corporate that demands style, future proof technology and excellent picture quality with wider viewing angles.**

The perfect compliment for the modern office and new developments in corporate desking, the NEC EX231Wp features an extremely thin LED backlight panel in a design that puts a priority on the screen image and its positioning. Ideal for multimonitor solutions due to PVA panel technology which allows extremely wide viewing angles.

For demanding eco users or those wanting the optimum working set up, the EX231Wp includes 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

**DICOM Simulation** - for straightforward radiological review applications.

**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. The advanced PVA panel technology provides outstanding picture quality with wide viewing angles.



## OUTSTANDING PERFORMANCE

- **Wide full HD display with PVA 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 Brightness, Auto Contrast, Carbon Footprint Meter, DICOM Simulation, EcoModes, Human Sensor, LED Backlight Technology, PVA panel technology, 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** EPEAT Gold; ErP compliant; TCO 5.0

Technical Specification NEC MultiSync® EX231Wp	
<b>DISPLAY</b>	
Panel Technology	PVA TFT (W-LED)
Screen Size [inch/cm]	23 / 58.42
Screen Aspect Ratio	16:9
Pixel Pitch [mm]	0.266
Brightness (typ.) [cd/m <sup>2</sup> ]	250
Contrast Ratio (typ.)	3000:1 (25000:1 (typ.) dynamic contrast ratio)
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	25
Colours [Mio.]	16.77
<b>SYNCHRONISATION RATE</b>	
Horizontal Frequency [kHz]	31.5 - 83
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; 1280 x 1024; 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]	22 (typ.); 15 (Eco Mode); 27 (max.)
Power Savings Mode [W]	< 0.5
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]	4.2; 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; 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