

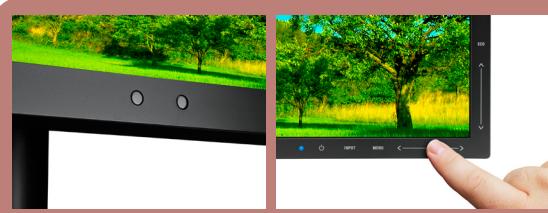
NEC MultiSync® EX231W

LED-backlit desktop LCD monitor ideal for corporate environments



Maximize the eco-friendliness of your work environment. The 23" NEC MultiSync EX231W full HD LCD monitor sets the bar for "green" displays, featuring a handful of components that lower total cost of ownership by saving energy, tracking carbon footprint emissions and minimizing packaging. In addition, this model is our lightest, thinnest and most ergonomically designed model to date; and boasts outstanding screen performance and advanced display technologies to optimize your desktop computing productivity.

It's easy to be green. The EX231W uses LED backlighting, which optimizes energy efficiency. Compared to previous generation NEC LCDs, this model consumes up to 52% less power overall, radiates up to 61% less heat, uses up to 15% less packaging, weighs up to 25% less, utilizes recycled plastics in its production and is free of hazardous materials such as mercury, halogen and arsenic. Other eco-friendly benefits include ECO Mode™, auto brightness, Intelligent Power Manager (IPM) and an off timer for further energy savings, a resettable carbon footprint meter for tracking the conservation of green gas emissions, and a significant reduction in packaging materials.



The EX231W's human and ambient light sensors (L) automatically detect your work conditions to determine the proper display brightness, thereby conserving power. Touch-sensitive OSD® controls (R) are integrated into the bezel, making display adjustments easier than ever.

Features & Benefits

LED backlight technology provides for industry-leading low power consumption and less hazardous materials

Height-adjust, pivot, tilt and swivel capabilities add flexibility and comfort to your viewing preferences

XtraView® technology provides for some of the widest viewing angles available

Human sensor monitors the presence of a user in front of the display and can go into power saving mode if the user leaves

Ambient light sensor minimizes power consumption by automatically adjusting the brightness to the optimal setting depending on ambient lighting, screen content or both

ECO Mode allows you to manually adjust the display's brightness to two preset settings, including ENERGY STAR, saving more power and reducing your energy costs

Intelligent Power Manager (IPM) system and off timer provide innovative power-saving methods and reduce CO₂ emissions by shifting to a lower power consumption level or automatically powering down when the monitor is on but not in use

Carbon footprint meter helps track and calculate the conservation of green gas emissions via OSD and NaViSet™ Administrator

Dynamic Video Mode enhances video and images with real-time optimization of brightness, color and contrast

Minimalist design, featuring an ultra-thin bezel width (14.6mm) and depth (16.4mm), puts the focus on the screen vs. the cabinet

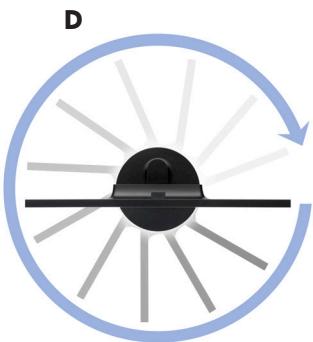
Compact packaging helps reduce paper usage, shipping costs and waste

EPEAT Gold compliance ensures the displays reduce hazardous waste and electricity usage, resulting in lower energy costs and increased protection for the environment

ENERGY STAR 5.0 compliance reduces electrical costs and lowers total cost of ownership

NEC Display Solutions' quality and reliability provide peace of mind with a 3-year limited parts and labor warranty (including backlight) and unrivaled customer service and technical support

The MultiSync EX231W features a 4-way ergonomic stand with capabilities of pivot (A), height-adjustment (up to 110mm) (B), tilt (C) and swivel (D), allowing you to create an ideal ergonomic display orientation for maximum viewing comfort.



For simple transport of the EX231W, a quick release lever (E) allows you to quickly and easily remove the display from the stand, while the built-in recessed handle (F) helps avoid damage to the bezel and screen while carrying.



A top-mounted USB pass-through (G) allows for the easy addition of a webcam, microphone or other peripherals. The input panel (H) includes a second USB pass-through as well as a mini-AC adapter, and DisplayPort and DVI-I connections.



Model	MultiSync EX231W
Display	
Viewable Image Size	23"
Aspect Ratio	16:9
Pixel Pitch	0.265mm
Pixels Per Inch	96 @ native resolution
Brightness (typical)	250 cd/m ²
Contrast Ratio (typical)	1000:1 (25,000:1 dynamic)
Viewing Angle (typical)	170° Vert., 176° Hor. (85U/85D/88L/88R) (CR > 5)
Response Time (typical)	Rapid Response (5ms)
Display Colors	More than 16.7million
Synchronization Range	
Horizontal	31.5-83 KHz
Vertical	56-75Hz
Input Signal	
Video	Analog 0.7 Vp-p / 75 Ohms
Sync	Separate Sync: TTL Level (positive/negative)
Inputs	DVI-I and DisplayPort
Resolutions Supported	720 x 400 @ 70 Hz 640 x 480 @ 60-75 Hz 800 x 600 @ 56-75 Hz 832 x 624 @ 75 Hz 1024 x 768 @ 60-75 Hz 1152 x 864 @ 75 Hz 1152 x 870 @ 75 Hz 1280 x 768 @ 60-75 Hz 1280 x 960 @ 60 Hz 1280 x 1024 @ 60-75 Hz 1360 x 768 @ 60 Hz 1440 x 900 @ 60 Hz 1440 x 1050 @ 60-75 Hz 1600 x 1200 @ 60 Hz 1920 x 1080 @ 60 Hz
Native Resolution	1920 x 1080 @ 60 Hz
Additional Features	Ultra-thin frame (bezel), widescreen format, USB pass-through, ambient light sensor, human sensor, ECO Mode, carbon footprint meter, cost meter, integral power meter, Dynamic Video Mode, hot key, OSD turnoff, OSD lockout, cable management, sRGB, HDCP, AccuColor control, No Touch Auto Adjust, DDC/CI, NaViSet software, Plug and Play (VESA DDC 2B), VESA DPMS power management, IPM system, off-timer, touch OSD user control, quick release stand, EPEAT Gold, ENERGY STAR 5.0, RoHS compliance
Voltage Rating	AC 100-120V / AC 220-240V
Power Consumption	
Typical	31W
Power Savings Mode	0.37W
ECO Mode ON	16W
Dimensions (W x H x D)	
Net (with stand)	21.3 x 15.8-20.1 x 8.5 in. / 540.2 x 401.3-511.3 x 215mm
Net (without stand)	21.3 x 12.5 x 1.9 in. / 540.2 x 318.3 x 47.7mm
Weight	
Net (with stand)	9.3 lbs. / 4.2 kg
Net (without stand)	6.2 lbs. / 2.8 kg
VESA Hole Configuration	100 x 100mm
Specifications	
Environmental Conditions	
Operating Temperature	5-35°C / 41-95°F
Operating Humidity	20-80%
Operating Altitude	2000m / 6562 ft.
Storage Temperature	-10-60°C / 14-140°F
Storage Humidity	10-85%
Storage Altitude	12,192m / 40,000 ft.
Limited Warranty	3 years parts and labor, including backlight
Technical Support	M - F (7am - 7pm CST)



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