\Orchestrating a brighter world

NEC

Eco-friendly desktop LCD monitors ideal for corporate environments

NEC MultiSync® E Series

Elevate the eco-friendliness of your work environment.

17" | 20" | 22" | 23" | 24"

ECO MODE

NEC MultiSync E Series

Featuring

LED-backlit, widescreen LCD displays, raises the standard for "green" computing Compared to previous generation NEC LCDs, these models consume less power overall, radiate less heat, use less packaging, weigh less and utilize more recycled plastics in their production.

It's easy to be green. The MultiSync E Series is loaded with features that promote environmental consciousness. These displays consume less power by using energy-efficient LED backlighting, also utilize ECO Mode™, Intelligent Power Manager (IPM), an off timer and an ambient light sensor that automatically dims the screen to further reduce energy consumption. In addition, these models tout a built-in carbon footprint meter that tracks the conservation of green gas emissions and are free of hazardous materials such as mercury and arsenic.

A new perspective on productivity. These displays' wide-format screens (16:9 and 16:10 aspect ratios) provide roughly the same work area as two smaller-sized LCD screens, allowing you to work simultaneously in multiple/side-by-side application windows (All models except E172M). This functionality, combined with contrast ratios of up to 25,000:1 (dynamic), full connectivity with a DisplayPort input and an ergonomic design, allows the MultiSync E Series to deliver the best in form and function to your desktop.

Highlights

- LED backlight technology provides for industry-leading low power consumption and less hazardous materials
- Four-way ergonomic stand boasts pivot, tilt, swivel and height adjustment to maximize your viewing comfort (E172M - tilt and height)
- Displayport input provides expanded connectivity with advanced technology (Widescreen models)
- Ambient light sensor minimizes power consumption by automatically adjusting the brightness to the optimal setting depending on ambient lighting, screen content or both (Widescreen models)
- ECO Mode® allows you to manually adjust the display's brightness to two preset settings, saving more power and reducing your energy costs
- Intelligent Power Manager (IPM) system and off timer provide innovative, power-saving methods and reduce CO_2 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 reduction of green gas emissions, while the resettable cost meter (via On Screen Display) indicates electricity cost savings based on currency settings
- Dynamic Video Mode enhances video and images with real-time optimization of brightness, color and contrast
- Integrated speakers provide crisp localized sound for various applications (E172M, E233WMi and E245WMi)
- 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

MODEL	E172M	E223W	E233WMi	E245WMi
DISPLAY				
Panel Technology	TN		AH-IPS	AH-IPS
Backlight Type	W-LED			
Viewable Image Size	17"	22"		24"
Aspect Ratio	5:4	16:10	16:9	16:10
Native Resolution	1280x1024	1680 x 1050	1920 x 1080	1920 x 1200
Pixel Pitch	0.26mm	0.28mm	0.27mm	0.27mm
Pixels Per Inch	96 @ native resolution	90 @ native resolution	96 @ native resolution	94 @ native resolution
Brightness (typical)	250 cd/m²			
Contrast Ratio (typical)	1000:1 (25,000: dynamic)			
Viewing Angle (typical)	160° Vert., 170° Hor. (80U/80D/85L/85R) @ CR>10		178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10	
Response Time (typical)	3.8ms	5ms	6ms	
Displayable Colors	More than 16.7 million			
Synchronization Range				
Horizontal (Analog/Digital)	31.5-81.1 kHz			31.5-77 Hz
Vertical	50-75Hz	56-75 Hz	56-75 Hz	56-60 Hz
Input Signal				
Video	Analog RGB 0.7 Vp-p/75 Ohms			
Sync	Separate Sync: TTL Level (Positive/Negative); Composite Sync: TTL Level (Positive/Negative); Composite Sync on Green: (0.3Vp-p negative 0.7Vp-p positive)	Separate Sync: TTL Level (Positive/Negative); Composite Sync: TTL Level (Positive/Negative); Composite Sync on Green: (0.3Vp-p negative 0.7Vp-p positive)	Separate Sync TTL Level (Positive / Negative) ***** NO Composite Sync *****	Separate Sync: TTL Level (Positive/Negative); Composite Sync: TTL Level (Positive/Negative); Composite Sync on Green: (0.3Vp-p negative 0.7Vp-p positive)
Input Connectors	HDMI, DisplayPort, VGA 15 pin D sub	DisplayPort, DVI-D, VGA 15-pin D-sub		
POWER CONSUMPTION				
On (typical)	12W	24W	19W	22W
Power Savings Mode (typical)	0.25W	0.35W	0.3W	0.26W
PHYSICAL SPECIFICATIONS				
Dimensions (WxHxD)				
Net (with stand)	14.5 x 14.1-16.1 x 9.1 in. / 368 x 358.5-408.5 x 230mm	19.8 x 15.1-19.4 x 8.4 in. / 503.5 x 383.3-493.3 x 213.9mm	21.4 x 14.7-19.1 x 8.4 in. / 544.3 x 374.5-484.5 x 213.9mm	21.9 x 15.5-19.9 x 8.4 in. / 556.2 x 394.2-504.2 x 213.9 mm
Net (without stand)	14.5 x 12.6 x 2.4 in. / 368 x 320.5 x 61mm	19.8 x 13.0 x 2.4 in. / 503.5 x 329.7 x 60.5mm	21.4 x 12.7 x 2.1 in. / 544.3 x 322.2 x 53.3mm	21.9 x 14.2 x 2.3 in. / 556.2 x 361.6 x 58.6 mm
Weight				
Net (with stand)	8.8 lbs. / 4.0 kg	10.8 lbs. / 4.9 kg	12.6 lbs. / 5.7 kg	13.7 lbs. / 6.2 kg
Net (without stand)	6.2 lbs. / 2.8 kg	7.1 lbs. /3.2 kg	8.2 lbs. / 3.7 kg	9.7 lbs. / 4.4 kg
VESA Hole Configuration	100 x 100mm			
ENVIRONMENTAL CONDITIONS				
Operating Temperature	41-95°F / 5-35°C			
Operating Humidity	20 - 80%			
Operating Altitude	6562 ft. / 2000m			
Storage Temperature	14-140°F / -10-60°C			
Storage Humidity	10-85%			
Storage Altitude	40,000 ft. / 12,192m			
ENVIRONMENTAL COMPLIANCE				
ENERGY STAR	8.0			
TCO	8.0	6.0	7.0	6.0
RoHS	Yes			
LIMITED WARRANTY	3 years parts and labor, including backlight*			
ADDITIONAL FEATURES	Auto brightness with ambient light sensor (select models); ECO Mode; Carbon footprint meter(select models); Resettable cost meter(select models); Thin frame; Tilt; Swivel(select models); Pivot(select models); Height-adjustable stand; Carrying handle(select models); Rapid Response; Zero / Thin Client mounting plate (E245WMi); FHD Web cam (E232WMT); Integrated speakers(Select models); Ambix; XtraView; OSD® user controls; OSD Lock Out; NaViKey; NaViSet software; Hot key; Cable management; NaViSet™ Administrator 2; VESA mount; HDMI-capable via DVI adapter; HDCP; DDC/CI; No Touch Auto Adjust; Plug and Play (VESA DDC 2B); VESA DPMS power management; Dynamic Video Mode; AccuColor color control; Digital smoothing; Digital controls; ISO 9241-307 Class I; Windows 7- and 8-certified			

Ergonomic capabilities

Touch-sensitive OSD controls (select models)

NEC Display Solutions of America

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