

NEC MultiSync® P242W

24" 16:10 standard-gamut LCD display
ideal for graphics applications

Perfect for online graphics, video and photography, the 24" NEC MultiSync P242W delivers accurate, consistent and repeatable color and offers a wide range of connectivity options (including HDMI) for use in every desktop environment.



Highlights

- **99.6% sRGB coverage** reliably reproduces colors for the most desktop displays
- **Internal 14-bit 3D programmable lookup tables (LUTs)** allow the accurate display of up to 1.07 billion colors out of a palette of 4.3 trillion for lossless color and smooth images and hardware calibration
- **Built-in USB hub with DisplaySync Pro™** controls two computers with only one keyboard and mouse
- **Professional-grade LED backlight technology** delivers long display life and is backed by a 4-year limited warranty with 48-hour Advanced Exchange service
- **AmbiBright™ ambient light sensor** automatically adjusts the display's brightness based on lighting conditions
- **Multiple connectivity options**, including DisplayPort, HDMI, DVI and VGA, allow connections from multiple types of devices
- **XtraView+™ technology** provides for the widest viewing angles available (up to 178°) with minimal off-angle color shift
- **Four-way ergonomic stand** boasts pivot, swivel, tilt and height-adjustment up to 150mm to maximize your viewing comfort
- **Free MultiProfiler software** provides complete control over the five picture modes. This includes loading any ICC profile directly into the monitor for optimal color space matching.



Specifications for MultiSync P242W

MODEL	P242W
DISPLAY	
Panel Technology	IPS
Viewable Image Size	24.1"
Aspect Ratio	16:10
Native Resolution	1920 x 1200
Pixel Pitch	0.27mm
Pixels Per Inch	93 @ native resolution
Backlight Type	W-LED
Brightness (typical)	350 cd/m ²
Contrast Ratio (typical)	1000:1
Viewing Angle (typical)	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10
Response Time (typical)	8ms
Color Gamut*	
Adobe RGB Coverage/Size**	78.4% / 81.0%
NTSC Coverage/Size	75.2% / 77.4%
sRGB Coverage/Size	99.6% / 109.3%
Lookup Table	14-bit 3D
Displayable Colors	16.7 million out of 1.05 billion
Synchronization Range	
Horizontal (Analog/Digital)	31.5 kHz-93.8 kHz and 118.4 kHz / 31.5-91.1 kHz and 118.4 kHz
Vertical	50-85 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)
Input Connectors	DisplayPort, DVI-D, HDMI, VGA 15-pin D-sub, USB hub (2 up/ 3 down) with DisplaySync Pro
POWER CONSUMPTION	
On (typical)	29.5W
Power Savings Mode (typical)	0.2W
PHYSICAL SPECIFICATIONS	
Dimensions (WxHxD)	
Net (with stand)	21.9 x 14.9-20.8 x 9 in. / 556.8 x 378-528 x 227.6mm
Net (without stand)	21.9 x 14.3 x 3.3 in. / 556.8 x 362.4 x 85.0mm
Weight	
Net (with stand)	22.5 lbs. / 10.2 kg
Net (without stand)	15.0 lbs. / 6.8 kg
VESA Hole Configuration	100 x 100mm
ENVIRONMENTAL CONDITIONS	
Operating Temperature	41-95°F / 5-35°C
Operating Humidity	20-80%
Operating Altitude	16400 ft. / 5000m
Storage Temperature	14-140°F / -10-60°C
Storage Humidity	10-85%
Storage Altitude	40,000 ft. / 12,192m
LIMITED WARRANTY	
4 years parts and labor, including backlight***	
ADDITIONAL FEATURES	
ECO Mode; Carbon footprint meter; Thin frame; Tilt; Swivel; Pivot; Height-adjustable stand with locking base; Quick release stand; Carrying handle; Rapid Response; Ambix4; XtraView+; OSD user controls; MultiProfiler software; USB hub (2 up/3 down) with DisplaySync Pro; Cable management; Touch-integratable; VESA mount; HDCP; DDC/CI; No Touch Auto Adjust; 14-bit 3D LUT; X-Light Pro; Black Level adjustment; AmbiBright; sRGB; CableComp; TileMatrix; TileComp; GammaComp MD QA software-ready; SpectraView software-ready	
SHIPS WITH	
Power cord, DisplayPort cable, DVI-D cable, VGA cable, USB A to B cable, Setup Manual, CD (Manual, MultiProfiler, monitor driver)	
OPTIONAL ACCESSORIES	
SpectraView _{ii} Color Calibration Kit (SVII-PRO-KIT); Color calibration sensor (MDSVSENSOR2); SpectraView software (SVIISOFT); Multimedia soundbar - black (SOUNDBAR90-BK); Hood (HDPAA212426)	

* Color gamut size and coverage calculated as 2-D gamut area in CIE 1931 xy colorspace. Size is the total relative display gamut area and includes any colors outside the reference gamut. Coverage is the relative display gamut area contained inside the reference gamut. NTSC values provided for comparison purposes - modern broadcast video uses SMPTE-C, ITU-R BT, 709-5/sRGB or EBU primaries.

** AdobeRGB is a standard defined by Adobe Systems Incorporated.

*** Warranty restrictions apply. Contact your representative for details.

Available as an option for the MultiSync P242W, the SpectraView_{ii}™ system uses a color sensor to take color measurements of the display screen during calibration. The software analyzes these measurements and sends color adjustment commands directly to the display monitor. This means that color adjustments are made in the monitor rather than in the video graphics adapter, resulting in full use of the number of colors available on the graphics adapter and a much brighter image with the maximum possible color, resolution and fidelity.



The MultiSync P242W's design allows you to adjust the displays to your exact ergonomic preferences. In addition to tilt and swivel functionality, the height adjusts up to 150mm, and the displays pivot between landscape to portrait orientations.

