NEC MultiSync® P232W

Widescreen, standard-gamut LCD display ideal for graphics applications

Designed with key features for the web graphics, online video and photography professional, the 23" NEC MultiSync P232W is a smart investment for your desktop, while ensuring accurate, consistent and repeatable color performance. This model features several user-friendly technologies to free up desktop space and save time in your workflow.

The MultiSync P232W's LED backlighting improves energy efficiency compared to previous generation NEC monitors. In addition to consuming less power, it allows this model to radiate less heat, use less packaging, weigh less, utilize recycled plastics in its production and be free of hazardous materials such as mercury.

Highlights

- **96.8% sRGB coverage** reliably reproduces colors for the most desktop displays (101.6% color gamut coverage of NTSC [1953])
- **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 backlight technologies** help deliver a long display life and are 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.

NEC Display Solutions
MultiProfiler

CUD
COLOR UNIVERSAL DESIGN

NEC

Specifications for MultiSync P232W

MODEL	P232W
DISPLAY	
Panel Technology	IPS
Viewable Image Size	23"
Aspect Ratio	16:9
Native Resolution	1920 x 1080
Pixel Pitch	0.265mm
Pixels Per Inch	96 @ native resolution
Backlight Type	W-LED
Brightness (typical)	250 cd/m²
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**	75.2% / 75.3%
NTSC Coverage/Size	70.7% / 72%
sRGB Coverage/Size	96.8% / 101.6%
Lookup Table	14-bit 3D
Displayable Colors	1.07 billion out of 4.3 trillion
Synchronization Range	
Horizontal (Analog/Digital)	31.5-83/118.4 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, HDMI, DVI-D, VGA 15-pin D-sub
POWER CONSUMPTION	
On (typical)	29W
Power Savings Mode (typical)	0.3W
PHYSICAL SPECIFICATIONS	
Dimensions (WxHxD)	
Net (with stand)	21.4 x 14.9-20.8 x 9 in. / 543.6 x 338-488 x 227.6mm
Net (without stand)	21.4 x 12.7 x 2.9 in. / 543.6 x 322.4 x 74mm
Weight	
Net (with stand)	20.3 lbs. / 9.2 kg
Net (without stand)	TBD
VESA Hole Configuration	100 x 100mm
ENVIRONMENTAL CONDITIONS	
Operating Temperature	41-95°F / 5-35°C
Operating Humidity	30 - 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
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; 15-pin D-sub cable; DVI-D cable; USB cable; DisplayPort cable; Mounting Screws
OPTIONAL ACCESSORIES	SpectraView Color Calibration Kit (SVII-PRO-KIT); Color calibration sensor (MDSVSENSOR2); Color calibration sensor (MDSVSENSOR3); SpectraView software (SVIISOFT); Hood (HDPA23)

* 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 P232W, 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 P232W'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.

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