

MultiSync® PA243W  
LCD 24" Professional Display

## Datasheet



### NEC MultiSync® PA243W – the professional reference for creatives

This 24" display with WUXGA resolution delivers the highest accuracy for best image visualisation.

With built-in NEC SpectraView engine, 3D-Look-Up-Table (LUT) and 10-bit AH-IPS panel, this elite package enables professionals to rely on the highest colour reproduction covering the wide AdobeRGB colour space. The integrated backlight sensor and uniformity control guarantees long lasting and homogenous visualisation to produce the best creative results. When the deadlines loom and work becomes more intense, the built-in Low Blue Light technology protects your eyes from strain.

The ideal display for all creative professionals, designers, photographers, CAD-CAM, video-editing, precision engineering, medical imaging, and industrial applications (e.g. non-destructive testing (NDT)).

## Benefits

**Dependable colour and brightness reproduction** – the built-in NEC SpectraView colour engine controls the wide AdobeRGB colour space and 3D LUT, and adjusts luminance values via the integrated backlight sensor for long lasting calibrated colour accuracy.

**Maximum health consciousness** – low Blue Light technology filters out hazardous blue light emissions and protects viewers eyes from strain and damage.

**Superb visualisation** – best-in-class visualisation at any viewing angle with 10-bit AH-IPS panel and homogeneous screen image quality thanks to uniformity control.

**Save Time and Increase Personal Productivity** – see reality on your screen and see your creative masterpieces precisely as you envisioned them.

**Responsible Approach to Environmental Impact** – is maintained, without any performance compromise: Ambient Light Sensor, Carbon Footprint Meter / Carbon Savings Meter and efficient cabinet packing design.

**Ergonomic Office** – full height adjustability (150 mm), swivel, tilt and pivot functionality ensures perfect individual ergonomic set-up.

## Product Information

Product Name	MultiSync® PA243W
Product Group	LCD 24" Professional Display
Order Code	60004430 (WH), 60003860 (BK)

## Display

Panel Technology	IPS TFT
Screen Size [inch/cm]	24 / 61
Screen Aspect Ratio	16:10
Brightness (typ.) [cd/m <sup>2</sup> ]	350
Contrast Ratio (typ.)	1000:1
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	8 (grey-to-grey)
Colours [Billion]	1.073 (10-bit per colour)
Colour Gamut Size / Coverage	107.3% / 112.4% Adobe RGB

## Synchronisation Rate

Horizontal Frequency [kHz]	31.5 - 91.1 and 118.4 (digital); 31.5 - 93.8 and 118.4 (analog)
Vertical Frequency [Hz]	50 - 85

## Resolution

Optimum Resolution	1920 x 1200 at 60 Hz
Supported	1920 x 1200; 1440 x 900; 1280 x 960; 800 x 600; 1920 x 1080; 1400 x 1050; 1280 x 768; 720 x 400; 1680 x 1050; 1360 x 768; 1152 x 870; 640 x 480 1600 x 1200; 1280 x 1024; 1024 x 768;

## Connectivity

Digital	1 x DisplayPort; 1 x DVI-D; 1 x HDMI
Analog	1 x D-sub 15 pin

## Electrical

Power Consumption on Mode [W]	27 (Eco Mode); 35 (typ.); 55 (max.)
Power Savings Mode [W]	0.3
Power Supply	0.95 A/0.48 A; 100-240 V; integrated power supply

## Environmental Conditions

Operating Temperature [°C]	+5 to +35
Operating Humidity [%]	20 to 80

## Ergonomics

Height adjustable stand [mm]	150 (Landscape mode)
Screen Tilt / Swivel [°]	-5 to +30; -170 to +170
Screen Rotate [°]	0 to 90 (landscape to portrait mode)

## Mechanical

Bezel Width [mm]	17.9
Dimensions (W x H x D) [mm]	556.2 x 379.1 - 529.1 x 233 (Landscape mode); Without stand: 556.2 x 361.8 x 58.6
Weight [kg]	8; Without stand: 5.2

VESA Mounting [mm]

100 x 100 (4 points)

## Additional Features

Special Characteristics	Adjustable power LED (colour and brightness); Advanced NTAA; AmbiBright; Auto Black Level; Auto Brightness; Auto Contrast; AutoBright; CableComp with Sync Continuity Detection; ColorComp; DDC/CI compatible; Direct Brightness and Contrast; EcoModes; GammaComp (14-bit Look Up Table and 16-bit processing); GB-R LED Backlight; Integrated USB Hub (2 up; 3 down); NaViSet Administrator 2; Overdrive; Picture-in-Picture Mode; PiP/PbP; Programmable 3D LUT; Quick release Stand and Handle; Rapid Response Technology; RapidMotion; Self Diagnostics; TileComp; TileMatrix; TORO™ Design; Windows 10 compatible
Colour Versions	Black Front Bezel, Black Back Cabinet; Silver Front Bezel, Light Grey Back Cabinet
Cable Management	yes
Kensington security slot	yes
Plug and Play	EDID Standard; VESA DDC/CI; VESA DDC2B
Adjust Functions	Advanced NTAA (Advanced Non-Touch-Auto-Adjustment); Advanced User Menu; Auto Adjust; Black Level; Brightness; Colour Temperature Control; Contrast; Expansion Mode; Fine Adjust (analog); Hotkeys; Intelligent Power Management; Language Select; Monitor Information; OmniColor™: sRGB and 6-axis-colour-control; On-Screen-Display (OSD) lock-out; PiP; Sharpness; USB
Shipping Content	CD-ROM; Monitor; Power Cable; Setup Guide Signal Cable: DisplayPort; Mini DisplayPort; USB
Safety and Ergonomics	C-tick; CCC; CE; ErP; FCC Class B; ISO 9241-307 (pixel failure class 2); MPR II/ MPR III; PCBC/B-mark; PCT/Gost; PSB; RoHS; TCO 6.0; TÜV Ergonomics; TÜV GS; UL/C-UL or CSA
Warranty	3 years warranty incl. backlight

## Green Features

Energy Efficiency	Annual energy consumption: 51 kWh (based on 4 operating hours per day); Carbon Footprint Meter / Carbon Savings Meter; Energy efficiency class: B
Ecological Materials	Efficient mechanical design for minimised packaging; Minimal use of harmful material
Ecological Standards	ErP compliant; TCO 7.0



CE



C-tick



ErP



FCC Class B



MPR II/ MPR III



ME06  
PCT/Gost



RoHS



TCO 6.0



TÜV  
Ergonomics



TÜV GS

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