NEC

NEC MultiSync® P242W

The NEC MultiSync® P242W delivers outstanding image quality with class-leading ergonomics for demanding professional applications. 15 cm height adjust, latest DisplayPort connector, Digital Uniformity Control, integrated USB hub and Picture-in-Picture give advanced users all the flexibility and image quality to ensure highest personal productivity. This outstanding display cabinet has won the prestigious iF Design Award.

The ideal display for professional design, CAD-CAM, finance, demanding office and industrial applications (e.g. NDT).

DELIVERING GENUINE BENEFITS

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

Extraordinary Features - such as Digital Uniformity Control, Picture-in-Picture, USB Hub, 3D LUT colour space emulation, backlight ageing correction, DisplayPort.

Future-proof Connectivity - as well as easier support of high resolution and HDMI signals, 10-bit colour input signals is assured with the DisplayPort connector.

Improved Productivity and Reduced Desk Clutter - through easy multi-platform support and input following USB hub. Picture-by-picture allows two different platforms to be simultaneously viewed. A single mouse and keyboard can be switched to the active operating system.

Sustainable Office - low power consumption with LED backlight and ambient light sensor.

Image display - 24inch 16:10 IPS with LED backlight.

DICOM preset - for medical radiological review applications.

OUTSTANDING PERFORMANCE

- **Ergonomic and Improved Productivity.** Suitable for long and intensive working with 150 mm height adjust, IPS viewing angle stability, advanced NTAA, integrated grab handle and quick release stand.

- **Colour Space Emulation.** Each input can be assigned independently to the 3D LUT (9x9x9) to define a unique colour space e.g. sRGB as well as smooth colour grading with the 14-bit LUT.

- **Integrated USB Hub** (2 up; 3 down) can be used to attach USB peripherals such as mouse and keyboard. At the same time the 2 up connectors can be assigned to different video inputs (input following), which may be feeding the Picture-in-Picture function. Since the USB standard is supported by various platforms easy support is assured when using simultaneous heterogeneous environment.

- **Cabinet and Stand Design** allow a very reduced packaging footprint compared to similar displays.

- **DisplayPort**, compact and features an built-in locking mechanism, which can be disengaged with a simple button press. Longer cable lengths and 10-bit input colour support ensure that application flexibility is enhanced.

- **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.

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SPECIAL CHARACTERISTICS

14 Bit Look Up Table for 14 Bit smooth Gamma curves, Advanced NTAA, AmbiBright, Auto Black Level, Auto Brightness, Auto Contrast, Backlight Ageing Correction, CableComp with Sync Continuity Detection, ColorComp, DDC/CI compatible, DICOM preset, Direct Brightness and Contrast, EcoModes, LED Backlight Technology, NaViSet®and NaViSet®Administrator compatible, OmniColor™: sRGB and 6-Axis-Colour-Control, Overdrive, Quick release Stand and Handle, Rapid Response Technology, RapidMotion, Self Diagnostics, TileComp, TileMatrix, TORO™ Design, Viewing Angle Stability

Energy Efficiency	Ambient light sensor; Auto brightness; Carbon Footprint Meter / Carbon Savings Meter; ECOMode; Intelligent Power Management; Reduced consumption
Ecological Materials	100% recyclable packaging; Arsenic-free panel module; Black model built from recycled plastics
Ecological Standards	ErP compliant; ISO 14001; RoHS compliant; WEEE

Technical Specification NEC MultiSync® P242W	
DISPLAY	
Panel Technology	IPS TFT with W-LED backlight
Screen Size [inch/cm]	24.1 / 61.1
Colour Gamuts (Size comparision, typ.)	75% AdobeRGB, 72% NTSC
Pixel Pitch [mm]	0.270
Brightness (typ.) [cd/m^2]	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); 16 (8 white / black; 8 black / white)
Colours [Mio.]	16.77
SYNCHRONISATION RATE	
Horizontal Frequency [kHz]	31.5 - 93.8 and 118.4 (analog); 31.5 - 91.1 and 118.4 (digital)
Vertical Frequency [Hz]	50 - 85
RESOLUTION	
Optimum Resolution	1920 x 1200 at 60 Hz
Supported	1920 x 1080p; 1600 x 1200; 1280 x 1024; 1280 x 960; 1280 x 720p; 1200 x 1920; 1152 x 870; 1152 x 864; 1024 x 768; 832 x 624; 800 x 600; 720 x 576p; 720 x 480p; 720 x 400; 640 x 480; 640 x 480p
CONNECTIVITY	
Digital	1 x DVI-D; 1 x HDMI; 1 x DisplayPort
Analog	1 x D-sub 15 pin
ELECTRICAL	
Power Consumption on Mode [W]	30 (Eco Mode)
Power Savings Mode [W]	1
Power Supply	100-240 V; 0.83 A/0.47 A; integrated power supply
ENVIRONMENTAL CONDITIONS	
Operating Temperature [°C]	+5 to +35
Operating Humidity [%]	30 to 80
ERGONOMICS	
Height adjustable stand [mm]	110; 150 (Landscape mode); Pivot 90°
Screen Tilt / Swivel [°]	-5 to 30; -45 to 45
MECHANICAL	
Bezel Width [mm]	18.2; 18.2 (left and right); 18.2 (top and bottom)
Dimensions (W x H x D) [mm]	556.8 x 378 - 528 x 227.6 (Landscape mode); Without stand: 556.8 x 362.4 x 85
Weight [kg]	10.1; Without stand: 7.4
VESA Mounting [mm]	100 x 100 (4 points); 200 x 100 (5 points)
ADDITIONAL FEATURES	
Colour Versions	Silver Front Bezel; White Back Cabinet; Black Front Bezel, Black Back Cabinet
Cable Management	yes
Kensington security slot	yes
Plug and Play	VESA DDC/CI; EDID Standard; 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; Sharpness
Shipping Content	Monitor; Power Cable; Signal Cable DisplayPort; CD-ROM; Sales Office List; User Manual Signal Cable: VGA - VGA; DVI-D - DVI-D
Safety and Ergonomics	CE; ErP; TCO 6.0; TÜV Ergonomics; TÜV GS; C-tick; FCC Class B; PCT/Gost; UL/C-UL or CSA; CCC; ISO 9241-307 (pixel failure class I); MPR II/ MPR III; PCBC/B-mark; PSB; RoHS
Warranty	3 years warranty incl. backlight

Empowered by Innovation **NEC**