NEC MultiSync® PA242W

Order Code: 60003490 (BK), 60003491 (WH)   NEC LCD 24" Professional Desktop Display

Professional Reference 10-bit AH-IPS GB-R LED Display delivers uncompromising image quality as well as minimising life-cycle environmental impact. Uniting outstanding colour reproduction, class-leading ergonomics, an built-in carbon savings meter, ambient light sensor and 10-bit AH-IPS performance makes it ideal for creative professionals.

The ideal display for all creative professionals, designers, photographers, CAD-CAM, video-editing, finance, precision engineering, medical imaging, broadcasting and industrial applications (e.g. NDT) and anyone who cares about their visual work.

DELIVERING GENUINE BENEFITS

Future-proof Connectivity - as well as easier support of high resolution, 10-bit AH-IPS colour 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.

Instant Real-time Visualisation - with the 3D LUT colour emulation and the picture-in-picture function you can simulate accurately different lighting conditions with varying paper colours.

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.

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

OUTSTANDING PERFORMANCE

- **Ergonomic**. Suitable for long and intensive working with 150 mm height adjust, Advanced NTAA and 10-bit AH-IPS viewing angle stability for best ergonomics.

- **Input**. Each input can be assigned independently, 3D LUT (9x9x9) to define a unique colour space e.g. sRGB, Adobe RGB.

- **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 which may be feeding the Picture-in-Picture function. Since the USB standard is very widely supported, easy cross-platform support is assured when working simultaneously in an heterogeneous environment.

- **Cabinet and Stand Design** allow a very reduced packaging footprint compared to similar displays. The carbon savings meter, with the built-in ECO Mode allows responsible energy usage and at the same time motivates and informs the user about their usage behaviour. The built-in ambient light sensor adjusts the brightness of the monitor to environmental brightness conditions which again optimises energy usage, as well as providing an ergonomic brightness level.

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®and NaViSet®Administrator compatible, 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 8 compatible

Energy Efficiency	Carbon Footprint Meter / Carbon Savings Meter
Ecological Materials	Efficient mechanical design for minimised packaging; Minimal use of harmful material
Ecological Standards	ErP compliant

Technical Specification NEC MultiSync® PA242W	
DISPLAY	
Panel Technology	AH-IPS GB-R LED Backlight
Screen Size [inch/cm]	24.1 / 61.1
Screen Aspect Ratio	16:10
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]	6 (grey-to-grey); 16 (8 white / black; 8 black / white)
Colours [Billion]	1.074 (10-bit per colour)
Colour Gamut Size / Coverage	108.6% / 99.3% Adobe RGB
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]	tbd; 56 (max.); tbd
Power Savings Mode [W]	1
Power Supply	100-240 V; tbd; integrated power supply
ENVIRONMENTAL CONDITIONS	
Operating Temperature [°C]	+5 to +35
Operating Humidity [%]	30 to 80
ERGONOMICS	
Height adjustable stand [mm]	150; 150 (Landscape mode)
Screen Tilt / Swivel [°]	-5 to +30; -45 to +45
Screen Rotate [°]	0 to 90 (landscape to portrait mode)
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]	10.6; Without stand: 7.4
VESA Mounting [mm]	100 x 100 (4 points); 200 x 100 (5 points)
ADDITIONAL FEATURES	
Colour Versions	Silver Front Bezel, Light Grey 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; PiP; Sharpness; USB
Shipping Content	Monitor; Power Cable; Sales Office List; User Manual Signal Cable: Mini DisplayPort; DVI-D - DVI-D
Safety and Ergonomics	CE; ErP; 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

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