NEC MultiSync® PA272W

Order Code: 60003489 (BK)   **NEC LCD 27" 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 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 suchas 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.

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SPECIAL CHARACTERISTICS

Adjustable power LED (colour and brightness), 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® PA272W

DISPLAY	
Panel Technology	AH-IPS GB-R LED Backlight
Screen Size [inch/cm]	27 / 68.5
Screen Aspect Ratio	16:9
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	109% / 99% Adobe RGB
SYNCHRONISATION RATE	
Horizontal Frequency [kHz]	31.5 - 96.5
Vertical Frequency [Hz]	50 - 85
RESOLUTION	
Optimum Resolution	2560 x 1440 at 60 Hz
Supported	2560 x 1440; 1920 x 1080p; 1600 x 1200; 1280 x 1440; 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 HDMI; 1 x Mini DisplayPort; 1x DVI-D (Dual Link); 1 x DisplayPort
ELECTRICAL	
Power Consumption on Mode [W]	tbd; 64 (max.); tbd
Power Savings Mode [W]	< 0.5
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]	20.3; 20.3 (left and right); 20 (top and bottom)
Dimensions (W x H x D) [mm]	640.4 x 396.2 - 546.2 x 235.5 (Landscape mode); Without stand: 640.4 x 378.6 x 85
Weight [kg]	10.6; tbd
VESA Mounting [mm]	100 x 100 (4 points); 200 x 100 (5 points)
ADDITIONAL FEATURES	
Colour Versions	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 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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