

# 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 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 a 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), 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



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

## Technical Specification NEC MultiSync® PA272W

|                                 |                                                                                                                                                                                                                                                                                                                      |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DISPLAY</b>                  |                                                                                                                                                                                                                                                                                                                      |
| Panel Technology                | AH-IPS GB-R LED Backlight                                                                                                                                                                                                                                                                                            |
| Screen Size [inch/cm]           | 27 / 68.5                                                                                                                                                                                                                                                                                                            |
| Screen Aspect Ratio             | 16:9                                                                                                                                                                                                                                                                                                                 |
| Brightness (typ.) [cd/m²]       | 340                                                                                                                                                                                                                                                                                                                  |
| 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                                                                                                                                                                                                                                                                                             |
| <b>SYNCHRONISATION RATE</b>     |                                                                                                                                                                                                                                                                                                                      |
| Horizontal Frequency [kHz]      | 31.5 - 96.5                                                                                                                                                                                                                                                                                                          |
| Vertical Frequency [Hz]         | 50 - 85                                                                                                                                                                                                                                                                                                              |
| <b>RESOLUTION</b>               |                                                                                                                                                                                                                                                                                                                      |
| 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                                                                                           |
| <b>CONNECTIVITY</b>             |                                                                                                                                                                                                                                                                                                                      |
| Digital                         | 1 x HDMI; 1 x Mini DisplayPort; 1x DVI-D (Dual Link); 1 x DisplayPort                                                                                                                                                                                                                                                |
| <b>ELECTRICAL</b>               |                                                                                                                                                                                                                                                                                                                      |
| Power Consumption on Mode [W]   | 50 (typ.); 37 (Eco Mode); 73 (max.)                                                                                                                                                                                                                                                                                  |
| Power Savings Mode [W]          | < 0.5                                                                                                                                                                                                                                                                                                                |
| Power Supply                    | 100-240 V; 0.45 A/1 A; integrated power supply                                                                                                                                                                                                                                                                       |
| <b>ENVIRONMENTAL CONDITIONS</b> |                                                                                                                                                                                                                                                                                                                      |
| Operating Temperature [°C]      | +5 to +35                                                                                                                                                                                                                                                                                                            |
| Operating Humidity [%]          | 20 to 80                                                                                                                                                                                                                                                                                                             |
| <b>ERGONOMICS</b>               |                                                                                                                                                                                                                                                                                                                      |
| 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)                                                                                                                                                                                                                                                                                 |
| <b>MECHANICAL</b>               |                                                                                                                                                                                                                                                                                                                      |
| Bezel Width [mm]                | 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]                     | 12.9; Without stand: 8.9                                                                                                                                                                                                                                                                                             |
| VESA Mounting [mm]              | 100 x 100 (4 points); 200 x 100 (5 points)                                                                                                                                                                                                                                                                           |
| <b>ADDITIONAL FEATURES</b>      |                                                                                                                                                                                                                                                                                                                      |
| 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<br>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                                                                                                                                                                                                                                                                                     |