

NEC P232W-BK

Order Code: P232W-BK

NEC LCD 23" Professional Desktop Display

Professional IPS Performance Desktop 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 IPS performance makes it ideal for creative professionals.

The ideal display for all creative professionals, designers, photographers, CAD-CAM, video-editing, finance, precision engineering and industrial applications (e.g. NDT) and anyone who cares about their visual work. This innovative display design has won the prestigious iF Design Award 2010.



DELIVERING GENUINE BENEFITS

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

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 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.
- **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 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. 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), AmbiBright, Auto Black Level, Auto Brightness, Auto Contrast, AutoBright, CableComp with Sync Continuity Detection, Consistent colour viewing with IPS technology, DDC/CI compatible, Digital Uniformity Control (ColourComp), Direct Brightness and Contrast, EcoModes, Extraordinary features such as Digital Uniformity Control, programmable USB hub (DisplaySync Pro), GammaComp (14-bit Look Up Table and 16-bit processing), Integrated USB Hub (2 up; 3 down), LED Backlight Technology, NaViSet Administrator 2, 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, sRGB and 6-axis-colour-control, TileComp, TileMatrix, TORO™ Design, Windows 7 compatible



- Energy Efficiency** Carbon Footprint Meter / Carbon Savings Meter
- Ecological Materials** Efficient mechanical design for minimised packaging; Minimal use of harmful material
- Ecological Standards** Energy Star 5.0; ErP compliant; TCO 5.2

Technical Specification NEC P232W-BK

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|--|---|
| DISPLAY | |
| Panel Technology | IPS TFT |
| Screen Size [inch/cm] | 23 / 58.4 |
| Pixel Pitch [mm] | 0.265 |
| Brightness (typ.) [cd/m ²] | 250 |
| 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); 14 (8 white / black; 6 black / white) |
| Colours [Mio.] | 16.77 (8-bit per colour) |
| Colour Gamut Size / Coverage | 75% AdobeRGB |
| SYNCHRONISATION RATE | |
| Horizontal Frequency [kHz] | 31.5 - 83 |
| Vertical Frequency [Hz] | 50 - 85 |
| RESOLUTION | |
| Optimum Resolution | 1920 x 1080 at 60 Hz |
| Supported | 1920 x 1080p; 1280 x 1024; 1280 x 960; 1280 x 720p; 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 |
| Analogue | 1 x D-sub 15 pin |
| ELECTRICAL | |
| Power Consumption on Mode [W] | 23 (typ.); 29 (max.); 18 (Eco Mode 2) |
| Power Savings Mode [W] | 1 |
| Power Supply | 100-240 V; 0.94 A/0.35 A; integrated power supply |
| ENVIRONMENTAL CONDITIONS | |
| Operating Temperature [°C] | +5 to +35 |
| Operating Humidity [%] | 30 to 80 |
| ERGONOMICS | |
| Height adjustable Stand [mm] | 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] | 16.2 |
| Dimensions (W x H x D) [mm] | 543.6 x 337.4 - 487.4 x 227.6 (Landscape mode) |
| Weight [kg] | 9.2 |
| 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 |
| Audio | Option: MultiSync® Soundbar Pro |
| 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 (analogue); Hotkeys; Intelligent Power Management; Language Select; Monitor Information; OmniColour™: sRGB and 6-axis-colour-control; On-Screen-Display (OSD) lock-out; PiP; Sharpness; USB |
| 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 5.2; TÜV Ergonomics; TÜV GS; C-tick; Energy Star 5.0; FCC Class B; PCT/Gost; UL/C-UL or CSA; CCC; ISO 9241-307 (pixel failure class I); MPR III; PCBC/B-mark; PSB; RoHS |
| Warranty | Conditional 3 years warranty including backlight |

For more information, visit www.nec.com.au, email contactus@nec.com.au or call 131 632