

# 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**

<b>DISPLAY</b>	
Panel Technology	IPS TFT
Screen Size [inch/cm]	23 / 58.4
Pixel Pitch [mm]	0.265
Brightness (typ.) [cd/m <sup>2</sup> ]	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
<b>SYNCHRONISATION RATE</b>	
Horizontal Frequency [kHz]	31.5 - 83
Vertical Frequency [Hz]	50 - 85
<b>RESOLUTION</b>	
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
<b>CONNECTIVITY</b>	
Digital	1 x DVI-D; 1 x HDMI; 1 x DisplayPort
Analogue	1 x D-sub 15 pin
<b>ELECTRICAL</b>	
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
<b>ENVIRONMENTAL CONDITIONS</b>	
Operating Temperature [°C]	+5 to +35
Operating Humidity [%]	30 to 80
<b>ERGONOMICS</b>	
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)
<b>MECHANICAL</b>	
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)
<b>ADDITIONAL FEATURES</b>	
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](http://www.nec.com.au), email [contactus@nec.com.au](mailto:contactus@nec.com.au) or call 131 632