NEC MultiSync® PA301W

NEC LCD 30" Professional Desktop Display

Professional Reference 10-bit P-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 true 10-bit P-IPS performance makes it ideal for creative, medical, scientific and engineering 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

Save Time and Increase Personal Productivity - see reality on your screen and see your creative masterpieces or engineering data precisely as you demand them, with huge 2560x1600 resolution. Precisely as you envisioned them.

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.

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.

Future-proof Connectivity - as well as easier support of high resolution, 10-bit P-IPS colour signals is assured with the DisplayPort connector.

OUTSTANDING PERFORMANCE

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

- **Colour Space Emulation.** Each input can be assigned independently to the 3D LUT (9x9x9) to define a unique colour space e.g. sRGB, AdobeRGB.

- **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 (input following), 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.

- **DisplayPort,** compact and features an built-in locking mechanism, which can be disengaged with a simple button press. Longer cable lengths and 10-bit P-IPS colour support ensure that application flexibility is enhanced.

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SPECIAL CHARACTERISTICS

Adjustable power LED (colour and brightness); AmbiBright; Auto Black Level; Auto Brightness; Auto Contrast; AutoBright; CableComp with Sync Continuity Detection; DDC/CI compatible; Digital Uniformity Control (ColorComp); Direct Brightness and Contrast; EcoModes; Integrated USB Hub (2 up; 3 down); NaViSet®and NaViSet®Administrator compatible; OmniColor™: sRGB and 6-Axis-Colour-Control; Overdrive; Picture-in-Picture Mode; PiP/PbP; Programmable 3D LUT; Quick release Stand and Handle; Rapid Response Technology; RapidMotion; Self Diagnostics; Smooth gamma with 14-bit Look Up Table and 16-bit processing; TileComp; TileMatrix; TORO™ Design; Windows 7 compatible

Energy Efficiency: Carbon savings meter; ECOMode

Ecological Materials: Arsenic-free panel module; Efficient mechanical design for minimised packaging; Minimal use of harmful material; Use of post-consumer plastics cabinet design

Ecological Standards: ErP compliant; TCO 03

Technical Specification NEC MultiSync® PA301W

DISPLAY	
Panel Technology	P-IPS
Screen Size [inch/cm]	29.8 / 75.6
Pixel Pitch [mm]	0.251
Brightness (typ.) [cd/m²]	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); 12 (6 white / black; 6 black / white)
Colours [Billion]	1.073 (10-bit per colour)
Colour Gamut Size / Coverage	98% / 107% Adobe RGB
SYNCHRONISATION RATE	
Horizontal Frequency [kHz]	31.5 - 91.1 and 118.4 (digital)
Vertical Frequency [Hz]	50.0 - 85.0
RESOLUTION	
Optimum Resolution	2560 x 1600 at 60 Hz
Supported	800 x 600; 720 x 400; 832 x 624; 1280 x 960; 2560 x 1440; 640 x 480; 1280 x 1024; 1600 x 1200; 1200 x 1920; 1152 x 870; 1152 x 864; 1024 x 768; 1920 x 1080p; 1280 x 720p; 720 x 576p; 640 x 480p; 720 x 480p
CONNECTIVITY	
Digital:	2 x DVI-D; 2 x DisplayPort
ELECTRICAL	
Power Consumption on Mode [W]	155 (max.); 90 (Eco Mode)
Power Supply	100-240 V; 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]	22.3
Dimensions (W x H x D) [mm]	688 x 465 x 302
Weight [kg]	18.8
ADDITIONAL FEATURES	
Colour Versions	Black Front Bezel, Black Back Cabinet
Cable Management	yes
Kensington security slot	yes
Plug and Play	VESA DDC/CI; VESA DDC2B; EDID Standard
Adjust Functions	Auto Adjust; Colour Temperature Control; Sharpness; Brightness; Intelligent Power Management; Contrast; Monitor Information; OmniColor™: sRGB and 6-axis-colour-control; Black Level; Expansion Mode; On-Screen-Display (OSD) lock-out; Language Select; Advanced User Menu; Hotkeys; USB; PiP
Shipping Content	Signal Cable DVI-D - DVI-D; Monitor; Power Cable; Signal Cable DisplayPort; CD-ROM; Sales Office List; User Manual
Safety and Ergonomics	CE; ErP; TCO 03; TÜV Ergonomics; TÜV GS; C-tick; FCC Class B; PCT/Gost; UL/C-UL or CSA; CCC; ISO 9241-307 (pixel failure class 2); MPR III; PCBC/B-mark; PSB; RoHS
Warranty	3 years warranty incl. backlight

Empowered by Innovation

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