Empowered by Innovation NEC

NEC SpectraView® Reference 301

Order Code: 60002929 **NEC LCD 30" Professional Colour Display**

Professional Reference Colour Display is a high-end professional wide gamut 10-bit P-IPS performance LCD monitor for colour critical applications with outstanding features and benefits for best picture quality, 14-bit programmable hardware LUT for colour accuracy, outstanding ergonomics and economics.

The ideal display for all creative professionals, designers, photographers, precision engineers and anyone who cannot accept compromise on colour accuracy.

DELIVERING GENUINE BENEFITS

Consistent Colour Viewing - with 10-bit P-IPS 16:10 TFT display.

Ergonomically Mastered - comfortable viewing with ErgoDesign® and TORO™ design.

Facility to create and calibrate - thanks to the SpectraView® Profiler software, the SpectraView® certifier document and detachable black light protection hood including accessories.

True Colours - with a wide colour gamut (107% size / 98% coverage AdobeRGB) and hardware calibration with 14-bit LUT (look up table) for 42-bit colour control and gamma correction, irrespective of colour and input.

Zero Defect Pixel Warranty - up to 6 months after date of purchase.

Free Download of Multi-Display Management Software - with NaViSet Administrator 2 you can manage all your connected display devices from a centralized location.

ERP COMPLIANT

NaViSet Administrator 2

REFERENCE

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.
- **Input.** Each input can be assigned independently, 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. The carbon savings counter, with the built-in ECOMode 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.
- **Dual DisplayPort inputs**, 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, Backlight Ageing Correction, CableComp with Sync Continuity Detection, Consistent colour viewing with 10-bit P-IPS 16:9 TFT, Copy calibration, DDC/CI compatible, Digital Uniformity Control (ColorComp), Direct Brightness and Contrast, EcoModes, GammaComp (14 bit Look Up Table) and 14 bit Gamma Correction, NaViSet Administrator 2, OmniColor™: sRGB and 6-Axis-Colour-Control, Overdrive, Quick release Stand and Handle, RapidMotion, Self calibration, Self Diagnostics, SpectraView® Profiler Software, TileComp, TileMatrix, TORO™ Design, WindowsVistaCertifiedLogo

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; TCO 03

Technical Specification NEC SpectraView® Reference 301

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]	1.74 (10-bit per colour)
Colour Gamut Size / Coverage	106.6% AdobeRGB
SYNCHRONISATION RATE	
Horizontal Frequency [kHz]	31.5 - 98.7 (digital)
Vertical Frequency [Hz]	30 - 85
RESOLUTION	
Optimum Resolution	2560 x 1600 at 60 Hz
Supported	2560 x 1600; 1920 x 1440; 1920 x 1200; 1920 x 1080p; 1680 x 1050; 1600 x 1200; 1440 x 900; 1400 x 1050; 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; 640 x 480
CONNECTIVITY	
Digital	2 x DVI-D; 2 x DisplayPort
ELECTRICAL	
Power Consumption on Mode [W]	90 (typ.); 155 (max.)
Power Savings Mode [W]	1
Power Supply	100-240 V; 1.76 A/0.77 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 / Rotate [°]	5 to 30; -45 to +45
Screen Tilt / Swivel [°]	5 to 30; -45 to +45
MECHANICAL	
Bezel Width [mm]	22
Dimensions (W x H x D) [mm]	688 x 466 - 616 x 302 (Landscape mode)
Weight [kg]	18.8
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; DDC2B/2Bi; EDID Standard
Adjust Functions	Advanced User Menu; Auto Adjust; Black Level; Brightness; Colour Temperature Control; Contrast; Expansion Mode; Hotkeys; Intelligent Power Management; Language Select; Monitor Information; OmniColor™: sRGB and 6-axis-colour-control; On-Screen-Display (OSD) lock-out; Sharpness; sRGB; User Menu
Shipping Content	Monitor; Power Cable; Signal Cable DisplayPort; CD-ROM (User Guides/Manuals); CD-ROM with SpectraView® Profiler Software and manual; Detachable black light protection hood including accessories; SpectraView® Certifier document Signal Cable: DVI-D - DVI-D
Safety and Ergonomics	CE; TCO 03; TÜV Ergonomics; TÜV GS; C-tick; GEEA/Energy Label; Energy Star 5.0; 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