

# NEC SpectraView® 271

Order Code: 60003423

NEC LCD 27" Professional Colour Display

**Professional 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 and 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

**Backlight Ageing Correction** - brightness and white point.

**Consistent Colour Viewing** - with 10-bit P-IPS 16:9 TFT display.

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

**Facility to create and calibrate** - thanks to the SpectraView® Profiler software.

**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.

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



## 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.
- **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.



**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, 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, NaViSet® and NaViSet® Administrator compatible, OmniColor™: sRGB and 6-Axis-Colour-Control, Overdrive, Picture-in-Picture Mode, Quick release Stand and Handle, Rapid Response Technology, RapidMotion, Self Diagnostics, SpectraView® Profiler Software, 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** ErP compliant; TCO 03

**Technical Specification NEC SpectraView® 271**

<b>DISPLAY</b>	
Panel Technology	P-IPS
Screen Size [inch/cm]	27 / 68.5
Pixel Pitch [mm]	0.233
Brightness (typ.) [cd/m <sup>2</sup> ]	300
Contrast Ratio (typ.)	1000:1
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	7 (grey-to-grey); 12 (7 white / black; 5 black / white)
Colours [Billion]	1.074 (10-bit per colour)
Colour Gamut Size / Coverage	107% / 98% Adobe RGB
<b>SYNCHRONISATION RATE</b>	
Horizontal Frequency [kHz]	31.5 - 93.9 and 118.4 (digital)
Vertical Frequency [Hz]	50 - 87
<b>RESOLUTION</b>	
Optimum Resolution	2560 x 1440 at 60 Hz
Supported	1920 x 1080p; 1600 x 1200; 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	2 x DVI-D; 1 x DisplayPort
<b>ELECTRICAL</b>	
Power Consumption on Mode [W]	75 (typ.); 117 (max.)
Power Savings Mode [W]	1.4
Power Supply	100-240 V; 1.64 A/0.65 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; 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
Dimensions (W x H x D) [mm]	640.4 x 396.2 x 235.5
Weight [kg]	13.6
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; DDC2B/2Bi; EDID Standard
Audio	Option: MultiSync® Soundbar Pro
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; Sharpness; sRGB; USB; User Menu
Shipping Content	Monitor; Power Cable; Signal Cable DisplayPort; CD-ROM; Sales Office List; User Manual; CD-ROM with SpectraView® Profiler Software and manual Signal Cable: Mini DisplayPort; DVI-D - DVI-D
Safety and Ergonomics	CE; TCO 03; TÜV Ergonomics; TÜV GS; C-tick; GEEA/Energy Label; 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