NEC SpectraView® Reference 272

Order Code: 60003545   **NEC LCD 27" Large Format Display**

Professional 27 inch Colour Display. The NEC SpectraView® Reference 272 is a high-end professional performance LCD monitor using latest 10-bit AH-IPS with GB-R LED backlight for colour critical applications with many features and benefits for obtaining best picture quality and colour accuracy, whilst maintaining attractive value for money.

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 AH-IPS and GB-R Backlight 16:9 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 (108.6% size / 99.3% 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

GB **R** LED

NaViSet Administrator 2

REFERENCE

OUTSTANDING PERFORMANCE

- **Ergonomic.** Suitable for long and intensive working with 150 mm height adjust, Advanced NTAA and 10-bit AH-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 AH-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 AH-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, 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 8 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

Technical Specification NEC SpectraView® Reference 272

DISPLAY	
Panel Technology	AH-IPS GB-R LED Backlight
Screen Size [inch/cm]	27 / 68.5
Screen Aspect Ratio	16:9
Pixel Pitch [mm]	0.233
Brightness (typ.) [cd/m²]	340
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 (6 white / black; 6 black / white)
Colours [Billion]	1.073 (10-bit per colour)
Colour Gamut Size / Coverage	108.6% / 99.3% Adobe RGB
SYNCHRONISATION RATE	
Horizontal Frequency [kHz]	31.5 - 96.5
Vertical Frequency [Hz]	50 - 85
RESOLUTION	
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
CONNECTIVITY	
Digital	1 x DVI-D; 1 x HDMI; 1 x Mini DisplayPort; 1 x DisplayPort
ELECTRICAL	
Power Consumption on Mode [W]	50 (typ.); 37 (Eco Mode); 73 (max.)
Power Savings Mode [W]	1.4
Power Supply	100-240 V; 1 A/0.45 A; integrated power supply
ENVIRONMENTAL CONDITIONS	
Operating Temperature [°C]	+5 to +35
Operating Humidity [%]	20 to 80
ERGONOMICS	
Height adjustable Stand [mm]	150; 150 (Landscape mode)
Screen Tilt / Swivel [°]	5 to 30; -45 to +45
MECHANICAL	
Bezel Width [mm]	20.3 (left and right); 20 (top and bottom)
Dimensions (W x H x D) [mm]	640.4 x 396.2 x 235.5
Weight [kg]	12.9
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
Audio	Option: MultiSync® Soundbar 90
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; Detachable black light protection hood including accessories; SpectraView® Certifier document Signal Cable: DVI-D - DVI-D
Safety and Ergonomics	EAC; CE; TÜV Ergonomics; TÜV GS; C-tick; FCC Class B; UL/C-UL or CSA; CCC; ISO 9241-307 (pixel failure class I); MPR II/ MPR III; PCBC/B-mark; PSB; RoHS
Warranty	5 years warranty incl. backlight; Zero Defect Pixel Warranty up to 6 months after date of Purchase

Empowered by Innovation

NEC