\Orchestrating a brighter world NEC

SpectraView® Reference 272

LCD 27" Colour Accurate Display

Datasheet





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.

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.

Cost Saving Device Management – save effort whilst managing all connected NEC devices from a centralised location by using the NaViSet Administrator 2 software tool.

Product Information

Product Name	SpectraView® Reference 272
Product Group	LCD 27" Colour Accurate Display
Order Code	60003545

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]	12 (6 white / black; 6 black / white); 7 (grey-to-grey)
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 DisplayPort; 1 x DVI-D; 1 x HDMI; 1 x Mini DisplayPort

Electrical

Power Consumption on Mode [W]	37 (Eco Mode); 50 (typ.); 73 (max.)
Power Savings Mode [W]	1.4
Power Supply	1 A/0.45 A; 100-240 V; 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 (top and bottom); 20.3 (left and right)
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

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
Colour Versions	Black Front Bezel, Black Back Cabinet
Cable Management	yes
Kensington security slot	yes
Plug and Play	DDC2B/2Bi; EDID Standard; VESA DDC/CI
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	CD-ROM with SpectraView® Profiler Software and manual; Detachable black light protection hood including accessories; Monitor; Non-alcoholic Screen Cleaner Kit; Power Cable; Setup Guide; SpectraView® Certifier document Signal Cable: DisplayPort; DVI-D (Dual Link)
Safety and Ergonomics	C-tick; CCC; CE; EAC; FCC Class B; ISO 9241-307 (pixel failure class I); MPR II/ MPR III; PCBC/B-mark; PSB; RoHS; TÜV Ergonomics; TÜV GS; UL/C-UL or CSA
Warranty	5 years warranty incl. backlight; Zero Defect Pixel Warranty up to 6 months after date of Purchase

Green Features

Energy Efficiency	Annual energy consumption: 73 kWh (based on 4 operating hours per day); Carbon Footprint Meter / Carbon Savings Meter; Energy efficiency class: C
Ecological Materials	Efficient mechanical design for minimised packaging; Minimal use of harmful material
Ecological Standards	ErP compliant

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