

NEC SpectraView® 241

NEC LCD 24" Professional Colour Display

Professional 24 inch Colour Display. The NEC SpectraView® 241 is a high-end professional 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 16:10 TFT display.

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

Extraordinary Features - such as Digital Uniformity Control, Picture-in-Picture, USB Hub, 3D LUT colour space emulation, backlight ageing correction, DisplayPort.

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.

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



OUTSTANDING PERFORMANCE

- **Ergonomic.** Suitable for long and intensive working with 150 mm height adjust with 90° portrait capability, Automatic NTAA IPS viewing angle stability for best ergonomics.
- **Colour Space Emulation.** Each input can be assigned to the 3D LUT (9x9x9) to define a unique colour space, e.g. sRGB, Adobe RGB.
- **Integrated USB HUB** (2 up; 3 down). Can be used to attached 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 feature. Since the USB standard is supported by various platforms (Windows, Mac, Linux etc.) easy support is assured when using simultaneous heterogeneous environment.
- **Cabinet and Stand Design.** Allows a very reduced packaging footprint compared to similar displays.
- **DisplayPort Connector.** Is compact and features an in-built locking mechanism, which can be disengaged with a simple button press. Longer cable lengths and IPS colour support ensure that application flexibility is enhanced.



SPECIAL CHARACTERISTICS

Adjustable power LED (colour and brightness), Advanced NTAA, AmbiBright, Auto Black Level, Auto Brightness, Auto Contrast, AutoBright, Backlight Ageing Correction, CableComp with Sync Continuity Detection, DDC/CI compatible, Digital Uniformity Control (ColorComp), Direct Brightness and Contrast, EcoModes, GammaComp (14 bit Look Up Table) and 14 bit Gamma Correction, 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; Eliminate waste and landfill implications associated with 35mm media; Minimal use of harmful material

Ecological Standards ErP compliant

Technical Specification NEC SpectraView® 241

DISPLAY	
Panel Technology	P-IPS
Screen Size [inch/cm]	24.1 / 61.1
Pixel Pitch [mm]	0.270
Brightness (typ.) [cd/m ²]	360
Contrast Ratio (typ.)	1000:1
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	8 (grey-to-grey); 16 (8 white / black; 8 black / white)
Colours [Billion]	1.074 (10-bit per colour)
Colour Gamut Size / Coverage	107% / 98% Adobe RGB
SYNCHRONISATION RATE	
Horizontal Frequency [kHz]	31.5 - 93.8 and 118.4 (analog); 31.5 - 91.1 and 118.4 (digital)
Vertical Frequency [Hz]	50 - 85
RESOLUTION	
Optimum Resolution	1920 x 1200 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:	2 x DVI-D; 1 x DisplayPort
Analog:	1 x D-sub 15 pin
ELECTRICAL	
Power Consumption on Mode [W]	56 (typ.); 95 (max.)
Power Savings Mode [W]	1
Power Supply	100-240 V; 1.38 A/0.56 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 [°]	-5 to +30; -45 to +45
Screen Rotate [°]	0 to 90 (landscape to portrait mode)
MECHANICAL	
Bezel Width [mm]	18.2
Dimensions (W x H x D) [mm]	556.8 x 378 - 528 x 227.6 (Landscape mode)
Weight [kg]	10.6
VESA Mounting [mm]	100 x 100 (4 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 NTAA (Advanced Non-Touch-Auto-Adjustment); 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: DVI-D - DVI-D
Safety and Ergonomics	CE; 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