

# NEC SpectraView® 232

Order Code: 60003161

NEC LCD 23" Professional Colour Display

The NEC SpectraView® 232 is a high-end professional performance LCD monitor with LED backlighting 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

**Energy saving W-LED backlight** - for uncompromising green productivity.

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

**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 (75% size / 75% 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.

**Future-proof Connectivity** - as well as easier support of high resolution, IPS colour signal is assured with DisplayPort and HDMI connectors.



## 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, CableComp with Sync Continuity Detection, DDC/CI compatible, Digital Uniformity Control (ColorComp), Direct Brightness and Contrast, EcoModes, GammaComp (14-bit Look Up Table and 16-bit processing), Integrated USB Hub (2 up; 3 down), NaViSet® and NaViSet®Administrator compatible, OmniColor™: sRGB and 6-Axis-Colour-Control, Overdrive, Programmable 3D LUT, Quick release Stand and Handle, Rapid Response Technology, RapidMotion, Self Diagnostics, TileComp, TileMatrix, TORO™ Design



**Energy Efficiency** LED backlight technology

**Ecological Standards** Energy Star 5.0

### Technical Specification NEC SpectraView® 232

DISPLAY	
Panel Technology	IPS TFT
Screen Size [inch/cm]	23 / 58.4
Pixel Pitch [mm]	0.265
Brightness (typ.) [cd/m <sup>2</sup> ]	270
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); 14 (8 white / black; 6 black / white)
Colours [Mio.]	16.77
Colour Gamut Size / Coverage	75% / 75% Adobe RGB
SYNCHRONISATION RATE	
Horizontal Frequency [kHz]	31.5 - 83
Vertical Frequency [Hz]	50 - 85
RESOLUTION	
Optimum Resolution	1920 x 1080 at 60 Hz
Supported	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; 720 x 400; 640 x 480; 640 x 480p
CONNECTIVITY	
Digital	1 x DVI-D; 1 x HDMI; 1 x DisplayPort
Analog	1 x mini D-sub 15 pin
ELECTRICAL	
Power Consumption on Mode [W]	23 (typ.); 29 (max.)
Power Savings Mode [W]	1
Power Supply	100-240 V; 0.95 A/0.35 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]	16.2
Dimensions (W x H x D) [mm]	543.6 x 338 x 227.6
Weight [kg]	10.2
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; EDID Standard; VESA DDC2B
Audio	Option: MultiSync® Soundbar Pro
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; 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; VGA - VGA; DVI-D - DVI-D
Safety and Ergonomics	CE; TCO 5.0; 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