

NEC SpectraView® Reference 21

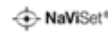


- High-end 21.3-inch LCD monitor with SA-SFT (Super-Advanced SuperFine) TFT display and innovative LED backlight
- Wide colour gamut: more than 100 percent reproduction of the Adobe® RGB and NTSC colour space plus high luminance thanks to the LED light source and optimised light filters
- Variable Backlight White Point Adjustment: White point adjustment via the RGB LED backlight with no loss of brightness between 5.000 and 9.300K
- Quick start for calibration and daily work: Internal LED feedback system for automatic colour calibration - stabilises brightness and colour temperature values within less than one minute after switching on
- Optimum long-term stability: Feedback system ensures stable long-term brightness and colour performance
- ColorComp: Compensates variations in the white homogeneity and improves colour and brightness homogeneity at the press of a button
- Colour tracking: Improved performance in comparison to standard CCFL backlight systems, especially in dark areas
- Mercury-free LEDs for increased luminosity
- Ultra-thin frame (19.0 mm)
- OmniColor™: sRGB and 6-axis-colour-control (RGBCMY, hue and saturation)
- Detachable light protection hood (black, lined with photo velvet)
- Ergonomics and safety complying to the highest industry standards incl. ISO 13406-2
- GammaComp: hardware calibration with 10-bit LUT (look up table) for 30-bit colour control
- SpectraView® Profiler Software features:
 - L* (CIE-LAB L*colour gamut), Gamma or sRGB calibration; Iterative calibration process; Profile validation for quick check at any time; LUT-based 16-bit ICC-profiles (or Matrix profiles); support of multiple measurement devices; Manual White Point and Calibration Curve Editing; White and Black luminance adjustment (or contrast ratio); Check of ambient light conditions and Viewing Booth in relation to ISO 3664 & 12646; Chromatic Adaptation



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Panel Technology	SA-SFT (SuperAdvanced SuperFine Technology) TFT with LED backlight
Screen Size [inch/cm]	21.3/54
Pixel Pitch [mm]	0.270
Viewing Angle	176° horizontal / 176° vertical (typ. at contrast ratio 10:1)
Contrast Ratio (typ.)	430:1
Brightness (typ.) [cd/m ²]	200 at 5.000 K - 9.300 K (without ColorComp)
Response Time (typ.) [ms]	20 (tr - tf)
Colour palette	More than 100% Adobe® RGB (up to 105.7% Adobe® RGB; up to 101% NTSC)
Maximum useable Colour Palette	30 bit (10 bit per colour) = 1,021 RGB colour values
Colours [Mio.]	16.77
Horizontal Frequency [kHz]	31.5 - 91.1
Vertical Frequency [Hz]	50 - 85
Optimum Resolution	1600 x 1200 at 60 Hz
Other Resolutions	1280 x 1024; 1280 x 960; 1152 x 870; 1024 x 768; 832 x 624; 800 x 600; 720 x 400; 720 x 350; 640 x 480
Connectors	Digital: 2 x DVI-D
Plug & Play	VESA DDC/CI; DDC2B/2Bi; EDID Standard
Backlight/Light source	Light emitting diodes
Adjust Functions	Brightness; Colour Temperature Control; Contrast; Intelligent Power Management; Language Select; Monitor Information; OmniColor™: sRGB and 6-axis-colour-control; On-Screen-Manager (OSM) lock-out; Programmable gamma correction; Sharpness
Safety and Ergonomics	CE; TÜV ergonomics approved; TÜV GS; FCC Class B; PCT/Gost; UL/C-UL; ISO 13406-2 (pixel failure class II); VCCI (Class II); RoHS
Power Requirements on Mode [W]	105 at 6.500 K
Power Requirements Power-saving Mode [W]	< 7
Power Supply	100-120 V/220-240 V; 1.1 A/0.5 A; integrated power supply
Ambient Temperature (operating) [°C]	+5 to +35
Ambient Humidity (operating) [%]	30 to 80
VESA Mounting [mm]	100 x 100; Detachable Stand
Dimensions (W x H x D) [mm]	473 x 461.7 x 211.9
Screen Tilt [°]	-5 to +25
Bezel Width [mm]	19.0
Cable Management	yes
Kensington Lock	yes
Weight [kg]	18.3
Specials	10-bit video input; Advanced NTAA (Advanced Non-Touch- Auto-Adjustment); Auto Black Level; ColorComp; Colour Tracking; DDC-CI; GammaComp (10-bit LUT for 30-bit colour control); Mercury-free LEDs; NaViSet® and NaViSet® Administrator compatible; OmniColor™; SpectraView® Profiler Software; Vacation Switch; Wide Colour Gamut
Colour Versions	Black Front Bezel, Black Back Cabinet
Shipping Content	Monitor; Power Cable; Signal Cable DVI-D - DVI-D; CD-ROM and manual for display; CD-ROM with SpectraView® Profiler Software and manual; Detachable black light protection hood including accessories; SpectraView® Certifier document
Warranty	3 years warranty including backlight



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