TECHNICAL SPECIFICATIONS

	NEC SpectraView 1980	NEC SpectraView 2180
Panel Technology	S-IPS TFT LCD	NEC SA-SuperFine TFT
Screen Size	19" / 48.2 cm	21.3" / 54 cm
Viewing Angle	176° hor. / 176° vert. (typ. at contrast ratio 10:1)	
Pixel Pitch	0.294 x 0.294 mm	0.27 x 0.27 mm
Dark Room Contrast Ratio	500:1 typ.	
Max. Brightness	270 cd/m² typ.	250 cd/m² typ.
Response Time	25 ms typ. (13 ms bright / dark; 12 ms dark / bright)	20 ms typ. (9 ms bright / dark; 11 ms dark / bright)
Colours	16.77 M. = 24 bit = 256 colour tones of R, G, B	
Max. Usable Colour Palette	1 B. = 30 bit = 1024 colour tones of R, G, B	
Optimum Resolution	1280 x 1024 at 60 Hz	1600 x 1200 at 60Hz
Connectors	Digital: 1 x DVI-D; Analogue: 1 x Mini D-sub 15 pin, Digital/Analogue: 1 x DVI-I	
Plug & Play	VESA DDC/CI; DDC2B/2Bi; EDID Standard	
Adjust Functions	Auto Adjust; Colour Temperature Control; Fine Adjust (analog); Brightness; Contrast; Language Select; Intelligent Power Management; Monitor Information; Advanced NTAA (Non-Touch-Auto-Adjustment); OmniColor™: sRGB and 6-axis-colour-control; Programmable gamma correction; On-Screen-Manager (OSM) lock-out	
Safety and Ergonomics	CE; Energy Star; FCC Class B; ISO 13406-2 (pixel failure class II); PCT Gost; TCO99; TÜV ERGONOMIE; TÜV GS; MPR II/ MPR III; PCBC/B-mark	
Power Consumption	48 W typ. On Mode, < 1.1 W (typ.) Power saving mode.	52 W typ. On Mode, < 1 W (typ.) Power saving mode.
VESA Mount Interface	100 x 100 mm	
Dimensions (W x H x D)	412.2 x 364.8 x 200 mm, incl. stand	467 x 391 x 200 mm, incl. stand
Screen Tilt / Swivel	-5° to +25° / -170° to +170°	
Height Adjustability of Stand	130 mm	115 mm
Bezel Width	17 mm	16 mm
Weight	10.4 kg	11.8 kg
Specials	Kensington Lock; ambix+™ Technology; GammaComp (10 bit look up table); Power Off Timer; Option: MultiSync® Soundbar 80; Screen rotation to portrait format; SpectraView Profiler Software for Apple OS X (from Version 10.2) and Windows 2000/XP in English, German, French and Italian; Support of hardware calibration under Apple OS X. .	
Shipping Content	Monitor; Power Cable; Signal Cable DVI-A/VGA; Signal Cable DVI-D/DVI-D; CD-ROM and User`s Manual; CD-ROM with SpectraView Profiler Software in English, German, French and Italian; Black Re-attachable anti-glare hood, Measuring protocol	
Warranty	3 years warranty incl. backlight; 3 years on-site warranty within EU countries, Switzerland, Norway, Liechtenstein and Iceland; with optional exchange or repair and return service.	
Optional Accessories	EYE-ONE Display V2 (GretagMacbeth); NEC MultiSync® Soundbar 80	
SpectraView Profiler Service	Online- and Email-Feedback-Support; 6 months Online-Software-Update Service	

see more: www.nec-mitsubishi.com

NEC/MITSUBISHI
NEC-MITSUBISHI ELECTRONICS DISPLAY

NEC-Mitsubishi Electronics Display-Europe GmbH
Landshuter Allee 12-14 · 80637 Munich · P.O. Box 190665 · 80606 Munich · Phone +49 (0) 89 99 699 – 0 · Fax +49 (0) 89 99 699 - 500

see more.

NEC SpectraView 1980

NEC SpectraView 2180

Monitors for colour-critical applications

NEC/MITSUBISHI
NEC-MITSUBISHI ELECTRONICS DISPLAY

Colours set the mood for life. They inspire emotions and are unique in their infinite varieties and possibilities. They are both fascinating and challenging. And when it comes to high-performance colour reproduction and colour-critical applications, their challenging nature really comes to the fore.

A non-compromising approach to technology and state-of-the-art screen properties provide you with the perfect pre-requisites for colour-critical image processing, be it for digital photography, pre-press or high-performance graphic design and video animation applications. These qualities make NEC SpectraView™ monitors the perfect partner for your creativity.

SPECTRAVIEW PROFILER

Hardware calibration without compromises

Comprehensive hardware calibration is crucial for the success of your colour-critical workflow. SpectraView Profiler calibration and profiling software allows you to correct the colour reproduction directly in the monitor's hardware.

SpectraView Profiler allows you to calibrate the brightness, the white point and the luminance curve directly in your monitor, and to create ICC colour profiles. The result: colour reproduction that truly represents the quality of the subsequent processing and print versions. And you get something else, too: outstanding screen brightness that can be calibrated up to 170 cd/m².

SpectraView Profiler has an automatic quick-calibration function as well as advanced individual settings for the professional user. The software creates monitor colour profiles for Apple OS X, Windows 2000 and Windows XP.

These are the most important features:

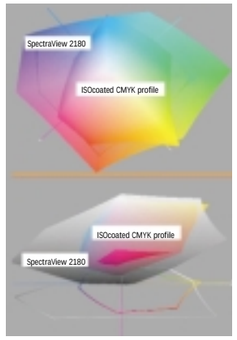
- L* calibration (CIELAB L* colour model); alternatively, calibration with gamma 1.8 (Macintosh) or 2.2 (Windows)
- Profile validation (average value and max. deltaE) for correct measurements
- Gamut compression – a visually clean transition when using 'cut-off' colours
- Reference calibration makes transferring values to other monitors time-efficient and reliable
- White point adjustment
- Grey balance calibration
- Supports all well-known colorimeter and spectro-photometer sensors

Calibration with SpectraView Profiler and measuring device

Validation of calibration results for correct measurements.

30-BIT COLOUR PALETTE

Print results without surprises



Typical coverage of the printable colour space

A programmable 10-bit gamma correction function – one each for red, green and blue – is the secret to optimal hardware calibration with the SpectraView 1980 and SpectraView 2180 models. 1,024 tonal values per colour mean that gradation adjustment is so much more precise. So even the most subtle tonal value gradations and greyscales are displayed with amazing smoothness. NEC SpectraView™ monitors' colour range covers most of the printable colour space – which is also good news for displaying the (up to now) notoriously difficult cyan area.

INNOVATIVE TECHNOLOGIES

Attention to detail means successful work

The NEC SpectraView 1980 and SpectraView 2180 monitors for colour-critical applications provide a wide range of application-oriented features:

- Latest-generation TFT panels with horizontal and vertical viewing angles of more than 170 degrees – for the best screen contrast, even from awkward viewing angles
- Extremely narrow frame width – for multi-monitor use with almost no annoying image gaps
- On-screen menu (OSM) can be used to lock the function keys – to prevent brightness and contrast settings from being accidentally changed after calibration
- Hood with sliding roof:
  - Allows easy calibration without removing the hood
  - Image reproduction is not affected by interference from ambient light
- ambix+ technology with DVI-I, DVI-D and VGA interfaces – for connection to both analogue and digital graphics boards outputs

The hood serves as a 'digital dark-room', blocking out unwanted ambient light.

These are just some of the details that mark out the models in the NEC SpectraView series as top-class graphics partners. All NEC SpectraView 1980 and SpectraView 2180 models are accompanied by a device-specific measuring protocol of their colour homogeneity. This protocol records good deltaE values, thus ensuring good colour distribution in all screen areas.

SpectraView