Preliminary Datasheet

LCD 24" Colour Accurate Display

NEC SpectraView® Reference 243

NEC SpectraView® Reference 243 – best in class reference for demanding professionals

This 24” display with WUXGA resolution delivers the highest accuracy for best image visualisation.

With built-in NEC SpectraView engine, 3D-Look-Up-Table (LUT) and 10-bit AH-IPS panel, this elite package enables professionals to rely on the highest colour reproduction covering the wide AdobeRGB colour space. The integrated backlight sensor and uniformity control guarantees long lasting and homogenous visualisation to produce the best creative results.

The ideal display to meet the highest demands of creative professionals, designers, photographers, CAD-CAM, video-editing, precision engineering, medical imaging, and industrial applications (e.g. non-destructive testing (NDT)).

The display is bundled with SpectraView Profiler software; an easy to use calibration and profiling software package which enables precise 14-bit (per RGB channel) calibration of brightness, white point and luminance and the creation of 16-bit ICC profiles for SpectraView Reference Displays. In addition, a detachable light protection hood completes this definitive professional bundle.

Benefits

Superb visualisation – best-in-class visualisation at any viewing angle with [value1]-bit [value2] panel and homogeneous screen image quality thanks to uniformity control.

Dependable colour and brightness reproduction – the built-in NEC SpectraView colour engine controls the wide AdobeRGB colour space and 3D LUT, and adjusts luminance values via the integrated backlight sensor for long lasting calibrated colour accuracy.

Maximum health consciousness – low Blue Light technology filters out hazardous blue light emissions and protects viewers eyes from strain and damage.

Save Time and Increase Personal Productivity – see reality on your screen and see your creative masterpieces precisely as you envisioned them.

True Colours – with a wide colour gamut (112.4 % size / 99.8 % 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.

Specifications

Product Information

Product Name
NEC SpectraView® Reference 243

Product Group
LCD 24" Colour Accurate Display

Display

Panel Technology
AH-IPS GB-R LED Backlight

Screen Size [inch/cm]
24 / 61

Screen Aspect Ratio
16:10

Pixel Pitch [mm]
0.270

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]
16 (8 white / black; 8 black / white); 8 (grey-to-grey)

Colours [Billion]
1.074 (10-bit per colour)

Colour Gamut Size / Coverage
108.6% / 99.3% Adobe RGB

Synchronisation Rate

Horizontal Frequency [kHz]
31.5 - 91.1 and 118.4 (digital); 31.5 - 93.8 and 118.4 (analog)

Vertical Frequency [Hz]
50 - 85

Resolution

Optimum Resolution
1920 x 1200 at 60 Hz

Supported

1024 x 768;	1280 x 960;	640 x 480p;
1152 x 864;	1400 x 1050;	720 x 400;
1152 x 870;	1440 x 900;	720 x 480p;
1200 x 1920;	1600 x 1200;	720 x 576p;
1280 x 1024;	1920 x 1080p;	800 x 600;
1280 x 720p;	640 x 480;	832 x 624

Connectivity

Digital
1 x DisplayPort; 1 x DVI-D; 1 x HDMI

Analog
1 x D-sub 15 pin

Electrical

Power Consumption on Mode [W]
28 (Eco Mode); 37 (typ.); 56 (max.)

Power Savings Mode [W]
2

Power Supply
0.84 A/0.38 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 (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

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 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 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; USB; User Menu

Shipping Content
DisplayPort Cable; CD-ROM with SpectraView® Profiler Software and manual; Detachable black light protection hood including accessories; DisplayPort to Mini DisplayPort Cable; Monitor; Non-alcoholic Screen Cleaner Kit; Power Cable; Setup Guide
Signal Cable: 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: 54 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

CE C-tick FCC Class B TÜV GS MPR II/ MPR III TÜV Ergonomics

RoHS

This document is © 2026 Sharp Display Solutions Europe GmbH.

All rights reserved in favour of their respective owners. All hardware and software names are brand names and/or registered trademarks of the respective manufacturers.
All specifications are subject to change without notice. Errors and omissions are excepted. 24.09.2026