

2MP Clinical Review Display

NEC MDview 232



DICOM Calibratable 2 MP 23" Colour Display System for Diagnostic Image Viewing and PACS Referral

The NEC MDview 232 Colour flat panel display fulfils dedicated quality requirements for reproduction of images from Computed Tomography, Magnetic Resonance Imaging, Nuclear Medicine/PET and Cardiology as well as PACS referral.

Benefits

Cost Saving Device Management – save effort whilst managing all connected NEC devices from a centralised location by using the NaViSet Administrator 2 software tool.

23" / 2 MP image resolution: 1920 x 1080 – ERROR

DICOM preset – for medical radiological review applications.

Individual factory calibrated DICOM gamma correction curve – with unique built-in “quick screen” QA check.

Precise DICOM GSDF Calibration – using internal 14 bit look-up table.

Specifications

Product Information

Product Name
NEC MDview 232

Product Group
2MP Clinical Review Display

Order Code
60003189

Display

Panel Technology
IPS TFT with W-LED backlight

Screen Size [inch/cm]
23 / 58.4

Screen Aspect Ratio
16:9

Pixel Pitch [mm]
0.265

Brightness (typ.) [cd/m²]
250 (peak) / 170 (calibrated)

Contrast Ratio (typ.)
1000:1

Viewing Angle [°]
178 horizontal / 178 vertical (typ. at contrast ratio 10:1)

Response Time (typ.) [ms]
8 (8 white / black; 8 black / white); 8 (grey-to-grey)

Colours [Billion]
16.77 (8-bit per colour)

Synchronisation Rate

Horizontal Frequency [kHz]
31.5 - 118.4 (digital); 31.5 - 83

Vertical Frequency [Hz]
50 - 85

Resolution

Optimum Resolution
1920 x 1080 at 60 Hz

Connectivity

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

Analog
1 x mini D-sub 15 pin; VGA

Electrical

Power Consumption on Mode [W]
18 (Eco Mode 2); 23 (Eco Mode 1); 29 (max.)

Power Savings Mode [W]
1

Power Supply
0.94 A/0.35 A; 100-240 V; integrated power supply

Environmental Conditions

Operating Temperature [°C]
+5 to +35

Operating Humidity [%]
30 to 80 (non-condensing)

Ergonomics

Height adjustable stand [mm]
150 (Landscape mode)

Mechanical

Dimensions (W x H x D) [mm]
543.6 x 337.4 - 487.4 x 227.6 (Landscape mode)

Weight [kg]
With stand: 9.2

VESA Mounting [mm]
100 x 100 (4 points); 200 x 100 (5 points)

Additional Features

Special Characteristics

Adjustable power LED (colour and brightness); AmbiBright; ambix^{3™}; Auto Black Level; Auto Brightness; Auto Contrast; AutoBright; CableComp with Sync Continuity Detection; DDC/CI compatible; Digital Uniformity Control; Direct Brightness and Contrast; EcoModes; Integrated USB Hub (2 up; 3 down); NaViSet Administrator 2; OmniColor™: sRGB and 6-Axis-Colour-Control; Overdrive; Picture-in-Picture Mode; PiP/PbP; Programmable 3D LUT; Quick release Stand and Handle; Rapid Response Technology; RapidMotion; Self Diagnostics; TileComp; TileMatrix; TORO™ Design; Windows 7 compatible

Kensington security slot

yes

Plug and Play

EDID Standard; VESA DDC/CI; VESA DDC2B

Adjust Functions

Programmable 14-bit LUT

Shipping Content

[value1] x DVI-D Cable; Approved Display Controller Drivers; CD-ROM (User Guides/Manuals); Continental and UK power cord; Display; GammaCompMD Client QA Software; Quick Reference Guide; Signal Cable DisplayPort
Signal Cable: DVI-A - VGA

Safety and Ergonomics

C-tick; CCC; CE; Energy Star 5.0; ErP; FCC Class B; ISO 9241-307 (pixel failure class I); MPR II/ MPR III; PCBC/B-mark; PCT/Gost; PSB; RoHS; TCO 5.0; TÜV Ergonomics; TÜV GS; UL/C-UL or CSA

Warranty

3 years warranty standard, optional 5 years



MPR II/ MPR III



RoHS



PCT/Gost



TCO 5.0



TÜV Ergonomics



TÜV GS



CE



ErP



Energy Star 5.0



FCC Class B



C-tick

Medical device registration plays an important role in complying with mandatory EU regulations on the medical vigilance system. In addition, product registration ensures you receive the best after-sales support and warranty condition. Please register your NEC medical device at <https://medical.nec-display-solutions.com>

CE-MDD declaration is in accordance with the European Directive 93/42/EEC (Medical Device Directive).

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