Empowered by Innovation NEC

LCDs • Projectors • LCDs • Projectors • LCDs • Projectors • LCDs • Projectors

NEC MDview231

HEALTHCARE

NEC Display Solutions

The new professional 23inch DICOM calibratable display for medical image viewing and PACS referral fulfils dedicated quality requirements for reproduction of images from Computed Tomography, Magnetic Resonance Imaging, Nuclear Medicine/PET and Cardiology as well as PACS referral.*

- Factory pre-set DICOM gamma curve
- Digital Uniformity Control (DUC) for enhanced spatial uniformity
- Precise DICOM GSDF calibration using 3 internal 14-bit look-up tables
- Backlight Ageing Correction
- GammaCompMD QA Client Software compatible
- Side-by-Side mode to display two independent image feeds.

* This display is not intended to be used for diagnostic image viewing, as it is not a medical device according to MDD 93/42/EC.

NEC MDview231

TECHNICAL SPECIFICATIONS

Glass technology	IPS
Screen diagonal [inch/cm]	23.0 / 50.9
Active screen area [cm]	50.9 x 28.6
Native resolution [Megapixel]	1920 x 1080 at 60 Hz
Landscape / Portrait mode [Pixel]	1920 x 1080 / 1080 x 1920 at 60 Hz
Pixel pitch [mm]	0.265
Contrast ratio (typ.)	1000:1
Viewing angle (H / V @ CR > 10:1)	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Luminance (maximum Native)	270 cd/m²
Luminance (calibrated)	160 cd/m² recommended
Response time (typ.) [ms]	8 (grey-to-grey), 6 (8 white / black; 8 black / white)
Displayable colours [Billion]	16.77 (8-bit per colour)
Greyscale reproduction [Bit-Depth]	8 (256 grey tones)
Programmable gamma correction	14-bit LUT with 16-bit processing
Factory pre-set	DICOM gamma correction, Digital Uniformity Control active, Backlight stabilisation active
Signal inputs	Digital: 1 x DisplayPort; Digital: 2 x DVI-D; Analogue: 1xVGA
Plug & Play compatibility	VESA DDC/CI; EDID Standard; VESA DDC2B
Horizontal frequency [kHz]	31.5 - 83.0 and 118.4 (digital)
Vertical frequency [Hz]	50.0 - 85.0
Power consumption (max.) [W]	46
Power saving mode [W]	1.0
Power requirements	100-240 V; 1.38 A/0.56 A; integrated power supply
Dimensions (W x H x D) [mm]	543.6 x 337.4 - 487.4 x 227.6 (Landscape mode)
Weight (including stand) [kg]	10.2
Stand features	150 mm height adjust range, Tilt, Swivel, Screen rotation
Safety and ergonomics	CE; TCO 5.0; ERP; TÜV Ergonomics; TÜV GS; C-tick; 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
Ambient temperature (operating) [°C]	+5 to +35
Ambient humidity (operating) [%]	30 to 80 (non-condensing)
VESA mounting interface [mm]	100 x 100 (4 points); 200 x 100 (5 points)
Kensington Security Slot	yes
Other advanced features	Adjustable power LED (colour and brightness); AmbiBright; Auto Black Level; Auto Brightness; Auto Contrast; AutoBright; CableComp with Sync Continuity Detection; Digital Uniformity Control; DDC/CI compatible; Direct Brightness and Contrast; EcoModes; Integrated USB Hub (2 up; 3 down); NaViSet®and NaViSet®Administrator compatible; 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
Recommended Display Controllers	Selected Matrox, nVIDIA and ATI models for compatibility with GammaCompMD QA software
Warranty	3 years warranty incl. backlight
Shipping contents	Display; Power cord; Signal Cable DVI-D to DVI-D; Multiple language quick reference guide; DisplayPort cable, VGA cable, CD-ROM with User Guides, GammaCompMD QA Client Software and approved display controller drivers
Options	Calibration instrument (MDSVSENSOR or MDSVSENSOR PRO)

* Please note: The MDview 231 display model is not certified as a Medical Device according to EU Directive 93/42/EEC. Do not use this display in patient vicinity. Any use for primary diagnostics is the sole responsibility of the hospital or clinic operator only.

For further information please contact us at: med-info@nec-display-solutions.com

All hardware and software names are brand names and/or registered trademarks of the respective manufacturers. All rights reserved. All specifications are subject to change without notice. July 2010