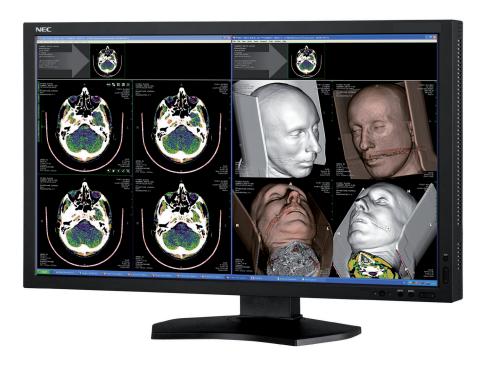


## **NEC MDview241**



The new professional 24inch 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.

HEALTHCARE

**NEC Display Solutions** 

<sup>\*</sup> 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 MDview241**

## TECHNICAL SPECIFICATIONS

Glass technology	IPS
Screen diagonal [inch/cm]	24.1 / 61.1
Active screen area [cm]	51.8 x 32.4
Native resolution [Megapixel]	1920 x 1200 at 60 Hz
Landscape / Portrait mode [Pixel]	1920 x 1200 / 1200 x 1920 at 60 Hz
Pixel pitch [mm]	0.27
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)	360 cd/m <sup>2</sup>
Luminance (calibrated)	170 cd/m² recommended
Response time (typ.) [ms]	8 (grey-to-grey), 8 (8 white / black; 8 black / white)
Displayable colours	16.77 Million
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 - 93.8 and 118.4 (digital)
Vertical frequency [Hz]	50.0 - 85.0
Power consumption (eco/max.) [W]	56/95
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]	556.8 x 378-528 x 227.6 (Landscape mode)
Weight (including stand) [kg]	10.6
Stand features	150 mm height adjust range, Tilt, Swivel, Screen rotation
Safety and ergonomics	CE; ERP; TÜV Ergonomics; TÜV GS; C-tick; FCC Class B; PCT/Gost; UL/C-UL or CSA; CCC; IS
Safety and ergonomics	9241-307 (pixel failure class I); MPR II/ MPR III; PCBC/B-mark; PSB; RoHS
Ambient temperature (operating) [°C]	+5 to +35
Ambient temperature (operating) [%]	30 to 80 (non-condensing)
VESA mounting interface [mm]	100 x 100 (4 points); 200 x 100 (5 points)
Kensington Security Slot	
Other advanced features	
Outer auvanceu reatures	Adjustable power LED (colour and brightness); AmbiBright; Auto Black Level; Auto Brightness
	Auto Contrast; AutoBright; CableComp with Sync Continuity Detection; Digital Uniformity
	Control; DDC/Cl compatible; Direct Brightness and Contrast; EcoModes; Integrated USB Hub
	(2 up; 3 down); NaViSet®and NaViSet®Administrator compatible; 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; Continental and UK power cord; Signal Cable DVI-D to DVI-D; Multiple language quic
	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)

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

<sup>\*</sup> Please note: The MDview 241 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.