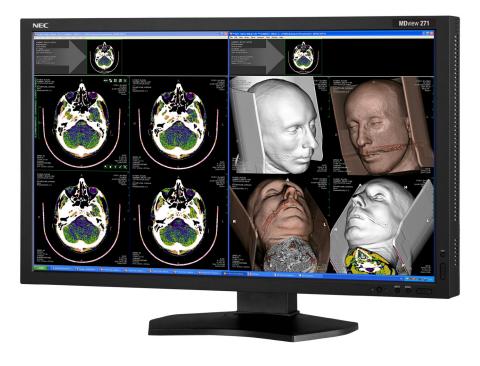


NEC MDview271



HEALTHCARE

NEC Display Solutions

The new professional 27inch 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 MDview271

TECHNICAL SPECIFICATIONS

Glass technology	P-IPS
Screen diagonal [inch/cm]	27.0 / 59.7
Active screen area [cm]	59.7 x 33.6
Native resolution [Megapixel]	2560 x 1440 at 60 Hz
Landscape / Portrait mode [Pixel]	2560 x 1440 / 1440 x 2560 at 60 Hz
Pixel pitch [mm]	0.233
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)	300 cd/m ²
Luminance (calibrated)	160 cd/m ² recommended
Response time (typ.) [ms]	7 (grey-to-grey), 12 (6 white / black; 6 black / white)
Displayable colours [Billion]	1.073 (10-bit per colour)
Greyscale reproduction [Bit-Depth]	10 (1024 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
Plug & Play compatibility	VESA DDC/CI; EDID Standard; VESA DDC2B
Horizontal frequency [kHz]	31.5 - 91.1
Vertical frequency [Hz]	50.0 - 87.0
Power consumption (max.) [W]	117
Power saving mode [W]	<1.4
Power requirements	100-240 V; 1.38 A/0.56 A; integrated power supply
Dimensions (W x H x D) [mm]	640.4 x 396.2 - 546.2 x 235.5 (Landscape mode)
Weight (including stand) [kg]	13.6
Stand features	150 mm height adjust range, Tilt, Swivel, Screen rotation
Safety and ergonomics	CE; TCO 03; 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/Cl 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, 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 271 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