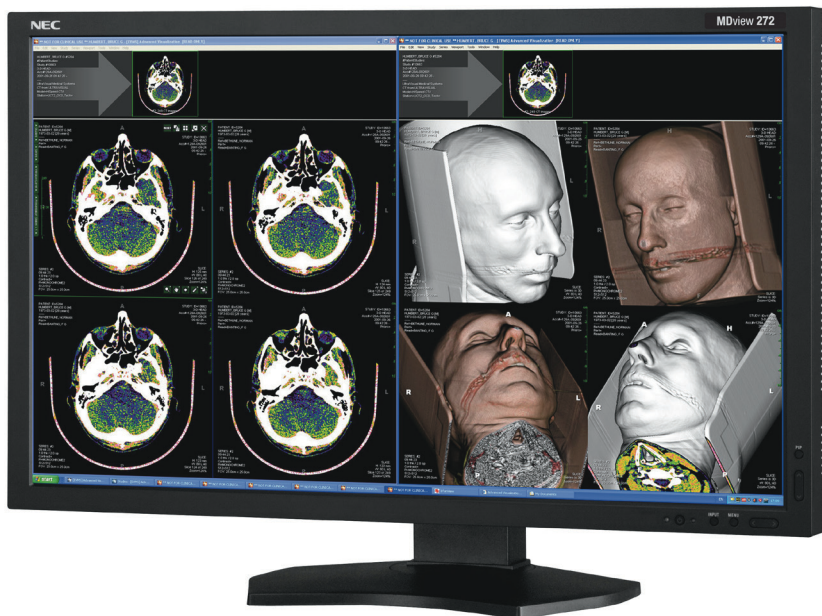Empowered by Innovation

NEC

NEC MDview272

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.*

- Wide 27" IPS LED backlight display
- Factory pre-set DICOM gamma curve
- Precise DICOM GSDF calibration using 3 internal 14-bit look-up tables
- Backlight Ageing Correction
- Digital Uniformity Control (DUC) for enhanced spatial uniformity
- 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.

HEALTHCARE

NEC Display Solutions

NEC MDview272

TECHNICAL SPECIFICATIONS

Glass technology	AH-IPS
Screen diagonal [cm/inch]	27.0 / 68.5
Active screen area [cm]	59.7 x 33.6
Native resolution [Megapixel]	2560 x 1440 at 60 Hz
Landscape mode / 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)	340 cd/m²
Luminance (calibrated)	170 cd/m², recommended
Response time (typ.) [ms]	7 (grey-to-grey); 12 (6 white / black; 6 black / white)
Displayable colours	1.073 billion (10-bit per colour)
Greyscale reproduction [Bit-Depth]	10 (1024 grey tones)
Programmable gamma correction	14-bit LUT
Factory pre-set	DICOM gamma correction, Digital Uniformity Control active, Backlight stabilisation active
Signal inputs	Digital: 1x DisplayPort; 1x Mini DisplayPort; 1x DVI-D; 1x HDMI
Plug & Play compatibility	VESA DDC/CI; EDID Standard; VESA DDC2B
Horizontal frequency [kHz]	31.5 - 96.5
Vertical frequency [Hz]	50.0 - 85.0
Power consumption (eco/max.) [W]	50 (typ.); 37 (Eco Mode); 73 (max.)
Power saving mode [W]	< 2
Power requirements	100-240 V; 0.45/1 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]	12.9
Stand features	150 mm height adjust range, Tilt, Swivel, Screen rotation
Safety and ergonomics	CE; 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; PSB; RoHS
Ambient temperature (operating) [°C]	+5 to +35
Ambient humidity (operating) [%]	30 to 80 (non-condensing)
VESA mounting interface [mm]	100 x 100 ; 200 x 100
Kensington Lock (Theft security)	yes
Other advanced features	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; PiP; Sharpness; USB
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 (MDSVSENSOR3)

* Please note: The MDview272 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

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