

NEC MDview Series



NEC MDview colour displays

for viewing digital diagnostics images by trained physicians as well as for general administrative tasks in the medical field of

- ▷ CT and MR reporting and review
- ▷ Review with 3D modelling software for surgeon's preparation
- ▷ PACS referral for use in
 - Office environments: MDview 19 and MDview 21
 - Patient proximity: MDview 19M and MDview 21M

Key Features:

- LCD Displays with S-IPS TFT or SA-Superfine glass
- Ultra-thin bezels: 12mm - 17 mm (varies by model)
- Rapid Response technology: 18 ms - 25 ms (varies by model)
- ambix+™ technology – combination of analogue/digital interfaces
- Internal programmable 10 bit look-up tables for hardware calibration
- TORO™ Design: Screen rotation and height adjustable stand
- Sharing the same design language with the NEC MD Series
- Ergonomics and safety complying to the highest industry standards
- DICOMcal software included:
 - ▷ Single user DICOM GSDF calibration and conformance check
 - ▷ Hardware colour temperature adjustment with calibration sensor
 - ▷ History file with information on calibrations and verifications
 - ▷ Ambient light and veil luminance measurement
 - ▷ Brightness uniformity check
 - ▷ Test pattern display (SMTPE, BRIGGS, DIN, AAPM)
 - ▷ Result window with before, target, correction and result curves
 - ▷ Integrated Online feedback/support system
 - ▷ DDC/CI Support for NEC MDview Series Displays
 - ▷ Win 2000, Win XP compatible
 - ▷ Supported calibration sensors: Sequel USB sensors, gmb Eye-One Display and Eye-one Monitor, x-rite DTP92 and DTP94
- Supporting GammaCompMD:
 - ▷ Compatible with NEC GammaCompMD Administrator, the network quality control software for MD Series Display Systems



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	MDview 19	MDview 19M		MDview 21	MDview 21M
Glass Technology	S-IPS TFT			SA-Superfine	
Screen Size [inch/cm]	19/48.2			21.3/54	
Viewing Angle (typ.)	176° hor./ 176° vert. (at contrast ratio 10:1)			176° hor. / 176° vert. (at contrast ratio 10:1)	
Screen Aspect Ratio	5:4			4:3	
Pixel Pitch [mm]	0.294			0.270	
Brightness (typ.) [cd/m²]	270			250	
Contrast Ratio (typ.)	600:1	500:1		500:1	
Response Time (typ.) [msec]	18	25		20	
Colours [million]	16.77			16.77	
Horizontal Frequency [kHz]	31.5-81.1			31.5-91.1	
Vertical Frequency [Hz]	50,0-85,0			50.0-85.0	
Optimum Resolution	1280 x 1024 (1.3 Megapixel)			1600 x 1200 (2 Megapixel)	
Other Resolutions	(1280 x 1024); 1280 x 960; 1152 x 870; 1024 x 768; 832 x 624; 800 x 600; 640 x 480; 720 x 400; 720 x 350				
Input Connectors	Digital: 1 x DVI-D; 1 x DVI-I; Analog: 1 x mini D-sub 15 pin				
Plug & Play	VESA DDC/CI; DDC2B/2Bi; EDID Standard				
Power Consumption [W]	48 typ.			52 typ.	
Power saving mode [W]	< 1,1			< 1.0	
Power Requirements	100-120 V/220-240 V; 0.55 A/0.25 A			100-120 V/220-240 V; 0.6 A/0.3 A	
Dimensions (W x H x D) [mm]					
With stand:	402.3 x 361.5 x 200	402.3 x 361.5 x 200		467 x 391 x 200	
Without stand:	402.3 x 330.3 x 77.5	402.3 x 330.3 x 80		467 x 359 x 85	
Bezel Width [mm]	12	17		16	
Weight [kg]	9.7	9.8		11.0	
Safety and Ergonomics	CE; TÜV GS; TÜV ERGONOMIE	CE-MDD; TÜV GM		CE; TÜV GS; TÜV ERGONOMIE	CE-MDD; TÜV GM
Operating Temperature [°C]	+5 to +35				
Operating Humidity [%]	30 to 80 (non-condensing)				
VESA Mounting Interface [mm]	100 x 100				
Special Functions	CableComp; Rapid Response; NaViSet™ and NaViSet™ Administrator compatible;				
	TORO™ Design, Power-Off Timer; Sync Continuity Detection; TileMatrix; TileComp;				
	Automatic Black Level				
Warranty	3 years warranty including backlight				
Options	Eye One Display 2 calibration instrument - Order-No. GMBEYE1V2				

MDview 19M and MDview 21M are introduced as Medical Devices according to European Directive 93/42/EC.

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

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