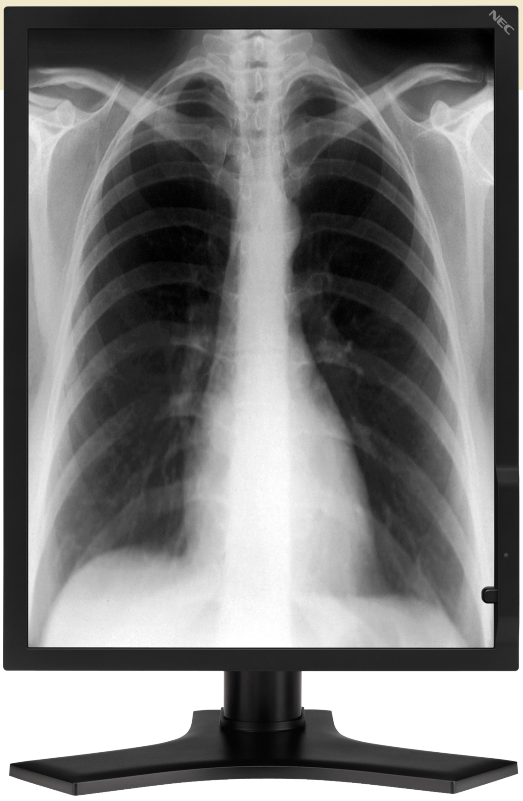
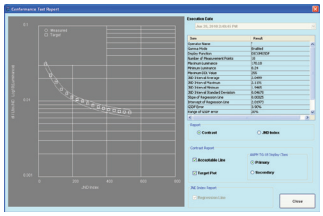
NEC MultiSync® MD213MG

21.3” high-resolution 3MP grayscale LCD display ideal for medical imaging applications

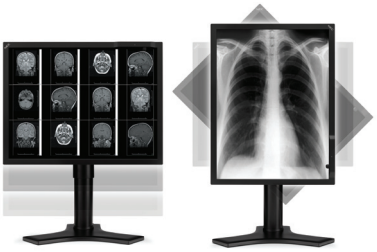


Designed exclusively for the demanding needs of radiology and PACS, the NEC MultiSync MD213MG, a 21.3” 3-Megapixel (MP) grayscale display, delivers unrivaled imaging performance.

GammaCompMD™ QA software, included with each display, ensures consistent image quality. The software provides a simple interface for conformance to the DICOM standard, while providing an easy-to-use QA environment for medical imaging. Optionally, GammaCompMD QA Network provides computer networks with centralized control and management of multiple display systems.



The MD213MG’s design allows you to adjust the display to your exact ergonomic preferences. In addition to tilt and swivel functionality, the height adjusts up to 150mm, and the display pivots between landscape to portrait orientations.



FIVE YEAR LIMITED WARRANTY 5

Highlights

- NEC’s UA-SFT 3MP (1536 x 2048) liquid crystal technology offers long life at high brightness without compromising contrast or viewing angles, resulting in outstanding grayscale image quality
- Digital uniformity correction reduces screen uniformity errors and compensates for differences in grayscale and luminance across the entire screen
- Built-in front sensor constantly monitors calibration and corrects for minor fluctuations of light output, helping to maintain the factory calibration throughout the life of the monitor
- Each NEC MultiSync MD213MG monitor comes calibrated out of the box to the DICOM grayscale display function for luminance
- 12-bit gamma provides for more finely detailed, high-definition rendering of color images and crisper display of even the most delicate shadings and color differences
- GammaCompMD QA software, included with each display, ensures consistent image quality. The software provides a simple interface for conformance to the DICOM standard, while providing an easy-to-use QA environment for medical imaging. Optionally, GammaCompMD QA Administrator provides computer networks with centralized control and management of multiple display systems.
- FDA 510(k) approved for use in digital radiology applications

NEC MULTISYNC MD SERIES The clear choice in diagnostic displays.

NEC
necdisplay.com

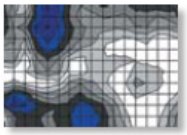
Specifications for MD213MG

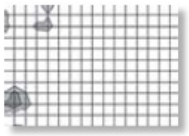
MODEL	MD213MG
DISPLAY	
Viewable Image Size	21.3"
Color Type	Grayscale
MegaPixels	3MP
Native Resolution	2048 x 1536
Pixel Pitch	0.21mm
Pixels Per Inch	120 @ native resolution
Brightness (typical)	400 cd/m² calibrated / 1450 cd/m² max.
Contrast Ratio (typical)	900:1
Viewing Angle	176° Vert., 176° Hor. (88U/88D/88L/88R) @ CR>10
Response Time	12ms
Lookup Table	12-bit
Displayable Colors	1024 shades of gray from a palette of 4096
Sensors	Front
Synchronization Range	
Horizontal (Analog/Digital)	31.5-93.8/95.4 kHz
Vertical	50-85 Hz
Input Signal	
Video	Analog RGB 0.7 Vp-p/75 Ohms
Sync	Separate Sync: TTL Level (Positive/Negative); Composite Sync: TTL Level (Positive/Negative); Composite Sync on Green: (0.3Vp-p negative 0.7Vp-p positive)
CONNECTIVITY	
Input Connectors	DVI-D, DVI-I
POWER CONSUMPTION	
On (typical)	100W
Power Savings Mode (typical)	2W
PHYSICAL SPECIFICATIONS	
Dimensions (WxHxD)	
Net (with stand)	18.4 x 17.1-23 x 12 in. / 467.8 x 434.3-584.3 x 306mm
Net (without stand)	18.4 x 14.2 x 4.4 in. / 467.8 x 361.6 x 110.7mm
Weight	
Net (with stand)	23.5 lbs. / 10.7 kg
Net (without stand)	16.5 lbs. / 7.5 kg
VESA Hole Configuration	100 x 100mm
ENVIRONMENTAL CONDITIONS	
Operating Temperature	41-95°F / 5-35°C
Operating Humidity	30 - 80%
Operating Altitude	9842 ft. / 3000m
Storage Temperature	14-140°F / -10-60°C
Storage Humidity	10 - 85%
Storage Altitude	40,000 ft. / 12,192m
LIMITED WARRANTY	5 years, including Advanced Overnight Exchange
ADDITIONAL FEATURES	DICOM GSDF calibrated; ColorComp image uniformity correction; GammaCompMD QA software; Analog/digital CableComp; Pivot; Tilt; Swivel; Height-adjustable stand
SHIPS WITH	Power cord; DVI cable (Dual Link for several models); Setup sheet; CD-ROM (GammaCompMD QA software)
OPTIONAL ACCESSORIES	Nvidia dual-head video card (MDN-FX380); Nvidia Quadro 2000D dual PCIe video card (MDN-Q2000D); AMD V5800 dual DVI PCIe video card (MDA-V5800D); Matrox Xenia Pro triple-head video card (MDM-XENPRO); Realvision dual-head 5MP video card (MDRV10B-5MP); Color calibration sensor (MDSVSENSOR2)

For consistent image quality the built-in front sensor constantly monitors and maintains brightness for optimal DICOM GSDF calibration and for non-assisted conformance, calibration and reporting functions,the sensor is capable of measuring monitor brightness, white-point and contrast response.

Without ColorComp

With ColorComp





Achieve complete color and brightness uniformity. *By nature, LCD panels contain uniformity errors, which are visible as slightly brighter or darker areas on the screen. To combat this inherent trait, each MD Series display is individually characterized during production and digital uniformity correction is applied. This technology, called ColorComp, reduces the non-uniformity to virtually unnoticeable levels and applies a digital correction to each pixel on the screen to compensate for differences in color and luminance.*

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