

**21.3" high-resolution 3MP grayscale LCD display**

# MultiSync® MD212G3



## Designed exclusively for the demanding needs of including CT, MRI and chest radiology

The NEC MultiSync MD212G3, a 21.3" 3-Megapixel (MP) grayscale display, delivers crisp, accurate DICOM-compliant grayscale performance.



**NEC MULTISYNC MD SERIES** The clear choice in diagnostic displays.

## Benefits

- 3MP (1536 x 2048) IPS LCD offers long life at high brightness without compromising contrast or viewing angles, resulting in outstanding grayscale image quality
- Integrated front sensor constantly monitors calibration and corrects for fluctuations of light output, maintaining the factory calibration throughout the life of the monitor
- DICOM calibrated out of the box to the grayscale display function for luminance
- 16-bit gamma provides for more finely detailed, high-definition rendering of color images and crisper display of even the most delicate shadings
- FDA 510(k) cleared for use in digital radiology applications

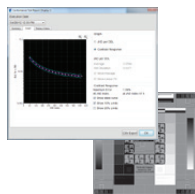
## Specifications for MD212G3

MODEL		MD212G3
<b>DISPLAY</b>	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/m <sup>2</sup> calibrated / 1700 cd/m <sup>2</sup> max.
	Contrast Ratio (typical)	1400:1
	Viewing Angle	176° Vert., 176° Hor. (88U/88D/88L/88R) @ CR>10
	Response Time	20ms (white to black)
	Lookup Table	16-bit
	Displayable Colors	1024 shades of gray from a palette of 12,277
	Sensors	Front
<b>Synchronization Range</b>	Horizontal (Analog/Digital)	31.5-126.3 kHz
	Vertical	30-70 Hz
<b>CONNECTIVITY</b>	Input Connectors	DVI-D, DisplayPort
<b>POWER CONSUMPTION</b>	On (typical)	50W
	Power Savings Mode (typical)	2W
<b>PHYSICAL SPECIFICATIONS</b>	Net Dimensions (with stand)	18.7 x 14.9-20.9 x 9.0 in. / 474 x 380 - 530 x 228 mm
	Net Dimensions (without stand)	18.7 x 14.4 x 3.6 in. / 474 x 367 x 93 mm
	Net Weight (with stand)	23.8 lbs / 10.8 kg
	Net Weight (without stand)	17.0 lbs. / 7.7 kg
	VESA Hole Configuration	100 x 100mm
<b>ENVIRONMENTAL CONDITIONS</b>	Operating Temperature	41-95°F / 5-35°C
	Operating Humidity	20 - 80%
	Operating Altitude	-1312 - 9842 ft. / -400 - 3000m
	Storage Temperature	-4-140°F / -20-60°C
	Storage Humidity	10 - 85%
	Storage Altitude	32808 ft / 10000 m
<b>LIMITED WARRANTY</b>		5 years, including Advanced Overnight Exchange
<b>ADDITIONAL FEATURES</b>		DICOM GSDF calibrated; GammaCompMD QA software; Pivot; Tilt; Swivel; Height-adjustable stand, USB hub (1 up / 2 down)
<b>SHIPS WITH</b>		Power cord; DVI-D cable; DisplayPort cable, USB A to B cable; Quick Start Guide; Warranty Sheet; CD-ROM (GammaCompMD QA software)
<b>OPTIONAL ACCESSORIES</b>		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); Medical calibration sensor (MDSVSENSOR2); Medical calibration sensor (MDSVSENSOR3), NVIDIA Quadro K2000 2GB PCIe video card (MDN-K2000), NVIDIA Quadro K2200 4GB PCIe video card (MDN-K2200), AMD FirePro W4100 2GB low profile PCIe video card (MDA-W4100), AMD FirePro W5000 2GB PCIe video card (MDA-W5000), AMD FirePro W5100 4GB PCIe video card (MDA-W5100)

## Features

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

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 Server provides computer networks with centralized control and management of multiple display systems.



The full-featured stand of the MD212G3 allows you to adjust the display to your exact ergonomic preferences. In addition to tilt and swivel functionality, the display pivots between landscape and portrait orientations, and the height adjusts up to 150mm in landscape (97.3mm in portrait).

