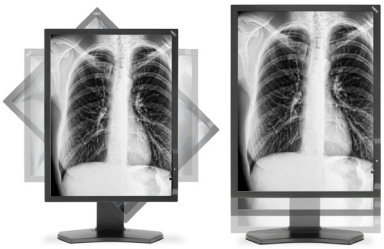
NEC MultiSync® MD211G3

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 MD211G3, a 21.3” 3-Megapixel (MP) grayscale display, delivers unrivaled imaging performance.

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, white-point and contrast response.

The full-featured stand of the MD211G3 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).



FIVE YEAR LIMITED WARRANTY

Highlights

- NEC’s SA-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
- Small, built-in front sensor constantly monitors calibration and corrects for fluctuations of light output, maintaining the factory calibration throughout the life of the monitor
- Each NEC MultiSync MD211G3 monitor is factory-calibrated to the DICOM grayscale display function for luminance
- 15.5-bit gamma provides for more finely detailed, high-definition rendering of color images and crisper display of even the most delicate shadings
- GammaCompMD™ QA software performs routine display configuration and ensures consistent image quality. QA Server provides computer networks with centralized control and management of multiple display systems.
- FDA 510(k) pending for use in digital radiology applications

NEC MULTISYNC MD SERIES The clear choice in diagnostic displays.

NEC
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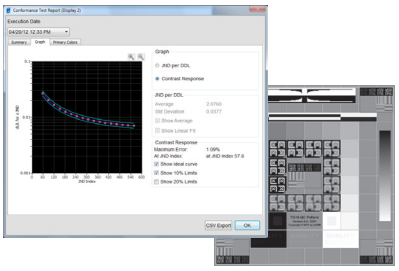
Specifications for MD211G3

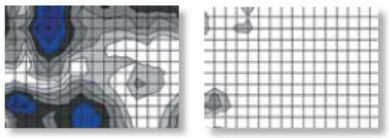
MODEL	MD211G3
DISPLAY	
Viewable Image Size	21.3"
Color Type	Grayscale
MegaPixels	3MP
Native Resolution	2048 x 1536
Pixel Pitch	0.21mm
Pixels Per Inch	120 @ native resolution
Brightness (typical)	400 cd/m² calibrated / 1450 cd/m² max.
Contrast Ratio (typical)	900:1
Viewing Angle	176° Vert., 176° Hor. (88U/88D/88L/88R) @ CR>10
Response Time	13ms
Lookup Table	15.5-bit
Displayable Colors	1024 shades of gray from a palette of 48,961
Sensors	Front
Synchronization Range	
Horizontal (Analog/Digital)	31.5-99.4 kHz/126.3 kHz
Vertical	50-85 Hz/30 Hz
CONNECTIVITY	
Input Connectors	DVI-D, DisplayPort
POWER CONSUMPTION	
On (typical)	105W
Power Savings Mode (typical)	<2W
PHYSICAL SPECIFICATIONS	
Dimensions (WxHxD)	
Net (with stand)	18.4 x 14.9-20.8 x 9 in. / 467.8 x 377.6-527.6 x 227.6mm
Net (without stand)	18.4 x 14.2 x 4.1 in. / 467.8 x 361.6 x 104mm
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; Pivot; Tilt; Swivel; Height-adjustable stand, USB hub (1 up / 2 down)
SHIPS WITH	Power cord; DVI-D cable; DisplayPort cable, USB A to B cable; User Manual; Warranty Sheet; CD-ROM (GammaCompMD QA software)
OPTIONAL ACCESSORIES	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)



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.

W/out Digital Uniformity Compensation

With Digital Uniformity Compensation



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 digital uniformity compensation, 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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