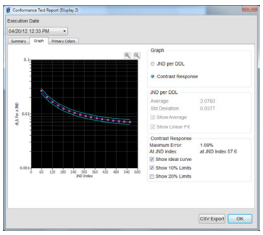
NEC MultiSync® MD211C3

21.3” high-bright, high-resolution 3MP color LCD display ideal for color and grayscale medical imaging applications

Designed exclusively for the demanding needs of medical imaging and PACS, the NEC MultiSync MD211C3, a 21.3” 3-Megapixel (MP) color display, features the flexibility of a color display with image performance rivaling that of grayscale displays.



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 MD211C3’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

NEC MULTISYNC MD SERIES The clear choice in diagnostic displays.

Highlights

- **NEC’s UA-SFT 3MP (1536 x 2048) liquid crystal technology** offers high brightness without compromising contrast or viewing angles, making the image quality outstanding for color or grayscale images
- **ColorComp™ digital uniformity correction** reduces screen uniformity errors and compensates for differences in color/grayscale and luminance across the entire screen
- **Integrated tri-stimulus (three-color) sensor** receives more light information than standard (brightness only) sensors and, therefore, is extremely accurate and stable
- Each NEC MultiSync MD211C3 monitor comes **calibrated out of the box to the DICOM grayscale display function** for luminance
- **14-bit RGB lookup tables (LUTs) for gamma** provide for more finely detailed, high-definition rendering of color images and crisper display of even the most delicate shadings and color differences
- **LED backlight** reduces startup time and lowers total power consumption
- **Human sensor** saves power by turning off backlight when the display is not in use
- **GammaCompMD QA software**, included with each display, ensures consistent image quality and conformance to the DICOM standard
- **FDA 510(k)** cleared for use in digital radiology applications

Specifications for MD211C3

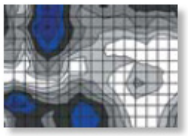
MODEL	MD211C3
DISPLAY	
Viewable Image Size	21.3"
Color Type	Color
MegaPixels	3MP
Native Resolution	2048 x 1536
Pixel Pitch	0.21mm
Pixels Per Inch	120 @ native resolution
Brightness (typical)	400 cd/m² calibrated / 800 cd/m² max.
Contrast Ratio (typical)	1400:1
Viewing Angle	176° Vert., 176° Hor. (88U/88D/88L/88R) @ CR>10
Response Time	40ms
Lookup Table	14-bit
Displayable Colors	16.8 million colors out of a 4.398 trillion color pallette (8-bit) / 1.074 billion colors out of a 4.398 trillion color palette (10-bit) / 16,384 levels of grayscale
Sensors	Tri-stimulus front
Synchronization Range	
Horizontal (Analog/Digital)	31.5-94.8/126.3 kHz
Vertical	30, 50-85 Hz
CONNECTIVITY	
Input Connectors	DVI-D, DisplayPort
POWER CONSUMPTION	
On (typical)	85W
Power Savings Mode (typical)	<2W
PHYSICAL SPECIFICATIONS	
Dimensions (WxHxD)	
Net (with stand)	14.7 x 19.3-23.4 x 9.3 in. / 373.4 x 490.6-593.4 x 235.5mm
Net (without stand)	18.6 x 14.7 x 4.1 in. / 473 x 373.4 x 104.1mm
Weight	
Net (with stand)	26 lbs. / 11.8 kg
Net (without stand)	17 lbs. / 7.8 kg
VESA Hole Configuration	100 x 100mm
ENVIRONMENTAL CONDITIONS	
Operating Temperature	41-95°F / 5-35°C
Operating Humidity	20 - 80%
Operating Altitude	10,000 ft. / 3048m
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 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); Color calibration sensor (MDSVSENSOR2)

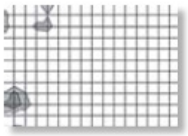
* Backlight replacement limited to 44,000 hours of usage at 400 cd/m² or less at the native white point.

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.*

25.NEC.80.GL.UN.133 rev. 10.7.2013

NEC Display Solutions
500 Park Boulevard, Suite 1100
Itasca, IL 60143
866-NEC-MORE

necdisplay.com