\Orchestrating a brighter world

# NEC

## 21.3" high-bright 3 megapixel color LCDs ideal for color and grayscale diagnostic imaging applications

# NEC MultiSync® MD210C3/MD211C3

# 21.3" color 3-Megapixel Medical Diagnostic Displays with LED Backlighting

Designed exclusively for the demanding needs of medical imaging and PACS, the NEC MultiSync MD210C3 and MD211C3, a 21.3" 3-Megapixel (MP) color display, features the flexibility of a color display with image performance rivaling that of grayscale displays.

MD211C3

MD210C3

## Highlights

- NEC's 3MP (1536 x 2048) LCD technology offers high brightness without compromising contrast or viewing angles, making the image quality outstanding for color or grayscale images

- 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  while the human sensor saves power by turning off backlight when the display is not in use FDA 510(k) cleared

**NEC MULTISYNC MD SERIES**  The clear choice in diagnostic displays.
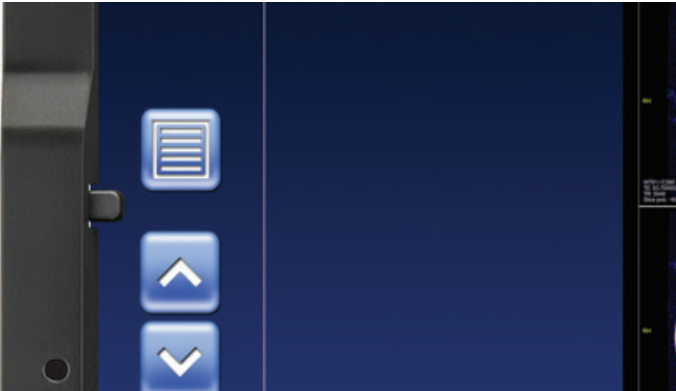
# MultiSync MD Series Features

## Factory DICOM Calibration

Every MultiSync MD Series display includes a lookup table (LUT) and is individually calibrated at the production factory to the DICOM grayscale display function for luminance. This calibration is held stable by sensors in the display for accurate out of the box viewing.
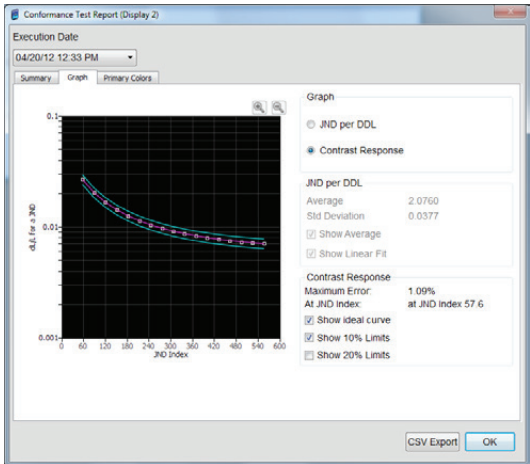


## Front Sensor

The built-in front sensor constantly monitors and maintains brightness for optimal DICOM GSDF calibration and consistent image quality. The front sensor is capable of measuring monitor brightness, white-point and contrast response, allowing it to be used for scheduled conformance, calibration and reporting functions.
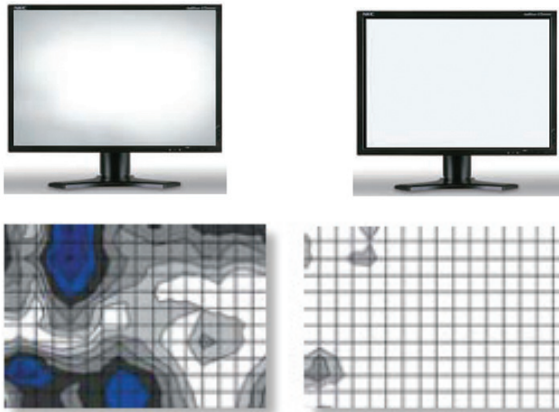


## GammaCompMD™ QA software

This software is included with each display and ensures consistent image quality, including conformance to the DICOM standard, while providing an easy-to-use QA environment for medical imaging. The optional GammaCompMD QA Server provides computer networks with centralized control and management of multiple display systems.



## ColorComp™ Digital Uniformity Control

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, applies a digital correction to each pixel on the screen to compensate for differences in color and luminance and reduces the non-uniformity to virtually unnoticeable levels.

| MODEL | | MD210C3 | MD211C3 |
|---|---|---|---|
| **DISPLAY** | Viewable Image Size | 21.3" | |
| | Native Resolution | 2048 x 1536 | |
| | Pixel Pitch | 0.21mm | |
| | Pixels Per Inch | 120 @ native resolution | |
| | Brightness (typical) | 400 cd/m² calibrated / 740 cd/m² max. | 400 cd/m² calibrated / 800 cd/m² max. |
| | Response Time (typical) | 40ms | |
| | Lookup Table (LUT) | 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) / 1024 shades of gray out of 16369 levels of grayscale |
| | Input Connectors | DVI-D, DisplayPort | |
| **POWER CONSUMPTION** | On (typical) | 85W | |
| | Power Savings Mode (ADVANCED) | <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** (parts & labor, including backlight) | 5 years, including Advanced Overnight Exchange | | |
| **ADDITIONAL FEATURES** | DICOM GSDF calibrated; GammaComp MD QA software; Digital CableComp; Tilt; Swivel; Height-adjustable stand, Quick Screen QA | | |
| **OPTIONAL ACCESSORIES** | Color calibration sensor (MDSVSENSOR3), see http://necdisplay.com for supported video cards | | |
| **SHIPS WITH** | Power cord; DVI-D cable; DisplayPort; USB cables, Quick Start Guide | | |