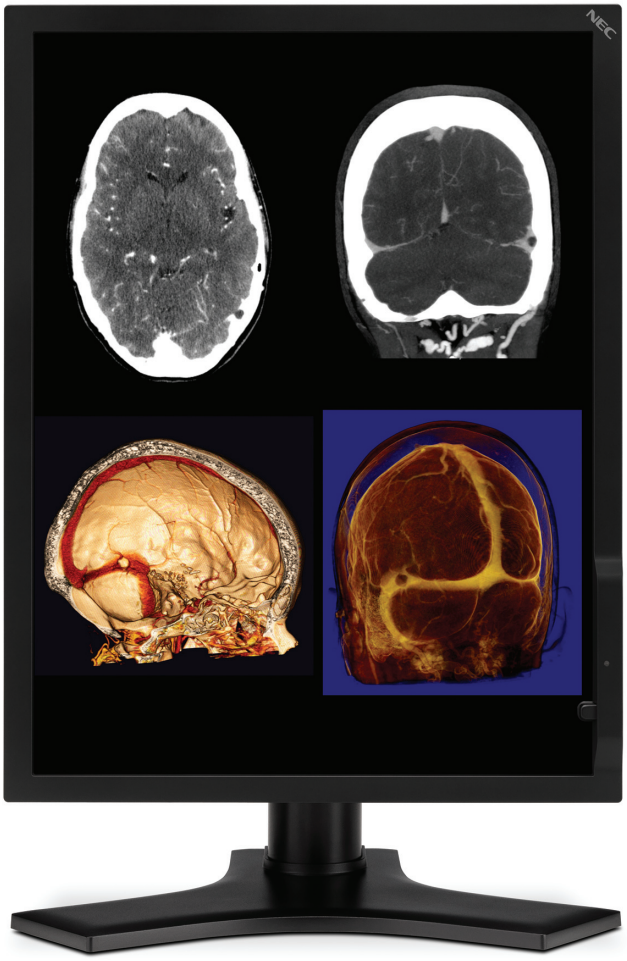
NEC MultiSync® MD212MC

21.3" high-bright 2MP 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 MD212MC, a 21.3" 2-Megapixel (MP) color display, features the flexibility of a color display with image performance rivaling grayscale displays. Benefits you'll realize from this medically certified display include:

- NEC's UA-SFT 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 uniformmity 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 MD212MC monitor comes calibrated out of the box to the DICOM grayscale display function for luminance
- 12-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
- GammaComp™ MD 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, GammaComp MD Administrator provides computer networks with centralized control and management of multiple display systems.



FIVE YEAR LIMITED WARRANTY

NEC MULTISYNC MD SERIES The clear choice in diagnostic displays.

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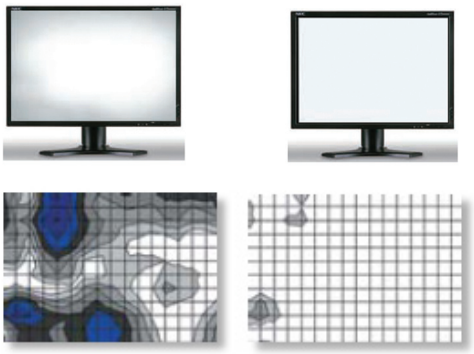
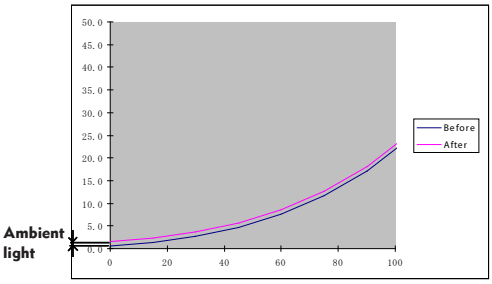


Achieve complete color and brightness uniformity. *By nature, LCD panels contain uniformity errors, which are visible as slightly brighter or darker areas on the screen. To combat this inherent trait, each MultiSync MD212MC display is individually characterized during production using a fully automated system that measures multiple points across the screen at different gray levels. These measurements are used to build a 3-D correction matrix stored inside the display. This data is used to compensate for the uniformity not only as a function of position on the screen but of gray level as well. In turn, 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.*



For optimal image viewing in any lighting condition, the MD212MC's built-in ambient light sensor can automatically adjust the calibration of the display to suit the environment.

For non-assisted conformance, calibration and reporting functions, a built-in remote sensor is capable of measuring monitor brightness, whitepoint and ambient lighting, while performing a quality check for DICOM conformance and contrast response.

The MD212MC'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.

Model	MultiSync MD212MC
Display	
Viewable Size Image	21.3"
Pixel Pitch	0.27mm
Pixels Per Inch	94
Brightness (typical)	400 cd/m² calibrated / 850 cd/m² max
Contrast Ratio (typical)	1050:1
Viewing Angle (typical)	178° Vert., 178° Hor. (89U/89D/89L/89R)@ CR > 10
Response Time (typical)	Rapid Response™ (20ms Gray-to-Gray)
Panel Bit Depth	12-bit internal LUTs, displays 16.7 million colors out of 68.5 billion color palette and 256 shades of gray out of 4096
Synchronization Range	
Horizontal	31.5 - 91.1 KHz (Analog/Digital)
Vertical	50 - 85 Hz
Video Bandwidth	25.2 - 162 MHz (DualLink)
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)
Inputs	DVI-D, DVI-I and VGA 15-pin D-sub
Resolutions Supported (Analog/Digital)	640 x 400 @ 70-85 Hz* 720 x 400 @ 70-85 Hz 640 x 480 @ 60-85 Hz 800 x 600 @ 56-85 Hz 832 x 624 @ 75 Hz 1024 x 768 @ 60-85 Hz 1152 x 864 @ 70-85 Hz 1152 x 870 @ 75 Hz 1280 x 960 @ 60 Hz 1280 x 1024 @ 60-85 Hz 1400 x 1050 @ 60-75 Hz 1440 x 900 @ 60 Hz 1600 x 1200 @ 60-75 Hz
Native Resolution	1600 x 1200 @ 60 Hz landscape / 1200 x 1600 @ 60 Hz portrait
Additional Features	Ultra-thin frame (bezel), VESA Mount, tilt, swivel, height-adjustable stand (5.9 in./150mm), pivot, vacation switch, 12-bit LUTs, black level adjustment, ColorComp uniformity correction, overdrive, Analog/Digital CableComp™, GammaComp™ MD software, standalone calibration, DICOM GSDF calibration, front sensor with automatic backlight feedback system, AmbiBright ambient light sensor
Voltage Rating	AC 100-120V / AC 220-240V
Power Consumption (typical)	
On	100W
Power Savings Mode	2W
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
Net Weight	
(with stand)	23.5 lbs. / 10.7 kg
(without stand)	16.5 lbs. / 7.5 kg
VESA Hole Configuration Specifications	100 x 100mm
Environmental Conditions	
Operating Temperature	5-35° C / 41-95° F
Operating Humidity	30-80%
Operating Altitude	3000m / 9842 ft.
Storage Temperature	-10-60° C / 14-140° F
Storage Humidity	10-85%
Storage Altitude	12,192m / 40,000 ft.
Safety Standards	UL/C-UL, UL60601-1, Gost/PCT, PSB, CCC, FCC Class B/Canadian DOC, C-tick, MPR II / MPR III, VCCI (class 2), JIS C 61000-3-2, static electricity guideline, low emission guideline, TUV-Ergonomie, US Mercury regulations, WEEE, RoHs, SASO, Energy Star 4.0 Tier 2, JEITA VOC Guideline. J-Moss, FDA 510k pending, CE-MDD Class 1, AAPM-TG18
Limited Warranty**	5 years parts and labor, including Advanced Overnight Exchange

* Analog only
** Backlight usage limited to 30,000 hours at 400 cd/m² or less

ENERGY STAR
RoHS compliant
CERTIFIED FOR Windows Vista™

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