

30" high-brightness 6MP color LCD diagnostic display

NEC MultiSync® MD302C6



6MP designed for multi-modality color diagnostic imaging

The 30" NEC MultiSync MD302C6, an LED-backlit color diagnostic display, is designed for the demanding needs of healthcare professionals in medical imaging and multi-modality PACS. This 6-megapixel model features an IPS panel to provide precise grayscale reproduction and wide viewing angles as well as an integrated front sensor which constantly monitors and adjust brightness to maintain the factory DICOM GSDF calibration. In addition to offering a large overall workspace, the MD302C6 can function as a dual 3MP replacement. The MD302C6 includes a has three-way ergonomic stand, including height-adjust, swivel and tilt. The display offers both DisplayPort and DVI-D inputs, built-in two-port USB hub, and 16-bit lookup tables (LUTs) with 1024 levels of gray for smooth images and hardware calibration.



Highlights

- IPS panel with wide viewing angles for clear, accurate imaging
- 6-megapixel (MP) resolution (3280 x 2048) can replace two 3MP displays seamlessly or work as one large desktop
- 10-bit color or grayscale capability over DisplayPort for optimal digital image performance
- LED backlight reduces startup time and lowers total power consumption
- FDA 510(k) cleared

MultiSyncMD Series Features

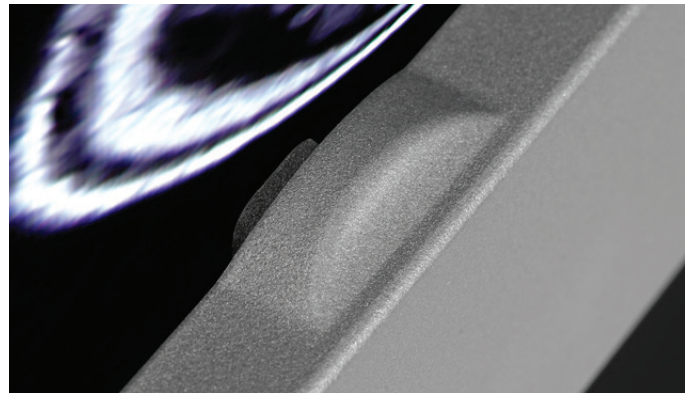
Factory DICOM Calibration

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.



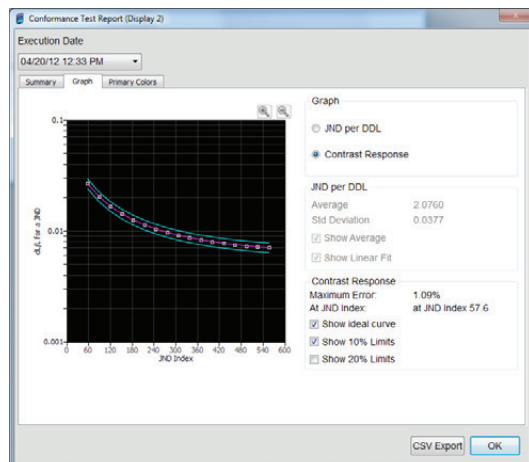
Front Sensor

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.



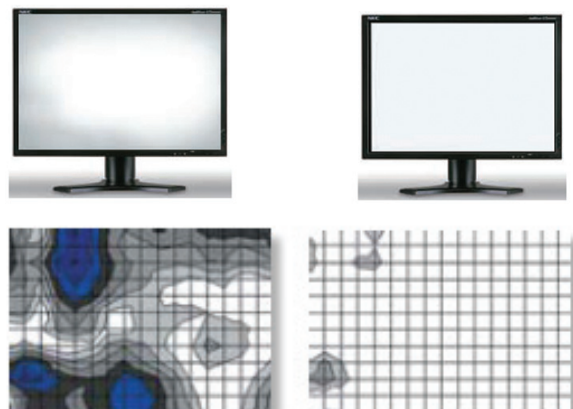
GammaCompMD™ QA software

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	MD302C6	
DISPLAY	Viewable Image Size	30"
	Aspect Ratio	
	Native Resolution	3280 x 2048
	Pixel Pitch	0.197 mm
	Pixels Per Inch	128.9 @ native resolution
	Brightness (typical)	400 cd/m ² calibrated / 800 cd/m ² max.
	Response Time (typical)	15ms (White to Black)
	Lookup Table (LUT)	16-bit
	Displayable Colors	1.07 billion colors out of 4.3 trillion or 1024 shades of gray out of 4096 (10-bit DisplayPort input); 16.7 million colors out of 1.05 billion color palette or 256 shades of gray out of 4096 (DVI-D input)
	Input Connectors	DisplayPort (2), DVI-D (2)
POWER CONSUMPTION	On (typical)	173.5W
	Power Savings Mode (ADVANCED)	
PHYSICAL SPECIFICATIONS	Dimensions (WxHxD)	
	Net (with stand)	27.4 x 19.2 x 11.9 in. / 695.6 x 486.5 x 301.6 mm
	Net (without stand)	27.4 x 18.4 x 3.9 in. / 695.6 x 467.1 x 100.0 mm
	Weight	
	Net (with stand)	38.8 lbs / 17.6 kg
	Net (without stand)	25.1 lbs / 11.4 kg
	VESA Hole Configuration	200 x 100mm
ENVIRONMENTAL CONDITIONS	Operating Temperature	41-95°F / 5-35°C
	Operating Humidity	20-80%
	Operating Altitude	-1312 to 9843ft / -400 to 3000m
	Storage Temperature	-4-140°F / -20-60°C
	Storage Humidity	10-85%
	Storage Altitude	40,000 ft. / 12,192m
	Tropical Environments	Yes
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	
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	

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