

30" widescreen, high-resolution 4MP color LCD display ideal for medical applications

NEC MultiSync® MD302C4



30" Color 4-Megapixel Diagnostic Mid - Brightness Display

The 30" NEC MultiSync MD302C4, a mid-brightness medical-grade widescreen diagnostic display, is designed for the demanding needs of healthcare professionals in medical imaging and PACS. This 4-megapixel model offers DICOM calibration, excellent uniformity, impressive dual DisplayPort connectivity and high-performance technologies such as automatic luminance control, Picture-by-Picture mode for simultaneous dual input viewing and XtraView+™ for the widest viewing angles with minimal off-angle color shift.



Highlights

- Widescreen, 4-megapixel (MP) resolution (2560 x 1600) has the equivalent imaging space of two 2MP displays
- 10-bit color or grayscale capability for optimal digital image performance
- 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
- FDA 510(k) cleared

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.



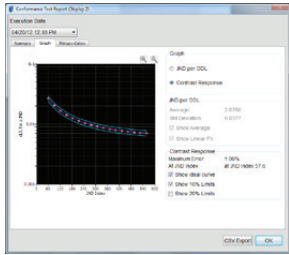
Front Sensor

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.



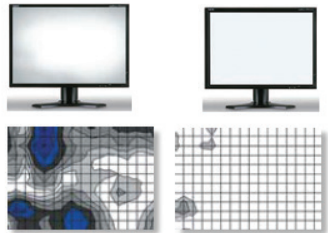
GammaCompMD™ QA software

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.



Built in USB Hub

Built-in USB hub with DisplaySync Pro™ controls two computers with only one keyboard and mouse.



Picture in Picture and Picture by Picture

Picture in Picture and Picture by Picture functionalities emulate legacy dual display configurations with both screens visible simultaneously.



MODEL		MD302C4
DISPLAY	Viewable Image Size	29.8"
	Native Resolution	2560 x 1600
	Pixel Pitch	0.27mm
	Pixels Per Inch	101 @ native resolution
	Brightness (typical)	180 cd/m ² calibrated / 340 cd/m ² max.
	Response Time (typical)	7ms
	Lookup Table (LUT)	14-bit (3D)
	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, Mini DisplayPort, DVI-D, HDMI
POWER CONSUMPTION	On (typical)	87W
	Power Savings Mode (ADVANCED)	1.9W
PHYSICAL SPECIFICATIONS	Dimensions (WxHxD)	
	Net (with stand)	27.1 x 18.4-24.3 x 11.9 in. / 688 x 466.4-616.4 x 301.6 mm
	Net (without stand)	27.1 x 17.6 x 3.2+0.2 in. / 688 x 446.8 x 82+4.8 mm
	Weight	
	Net (with stand)	37.5 lbs. / 17.0 kg
	Net (without stand)	23.6 lbs. / 10.7 kg
	VESA Hole Configuration	100 x 100 mm, 200 x 100 mm
ENVIRONMENTAL CONDITIONS	Operating Temperature	41-95°F / 5-35°C
	Operating Humidity	20-80%
	Operating Altitude	16,404 ft. / 5000m
	Storage Temperature	-4-140°F / -20-60°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	
OPTIONAL ACCESSORIES	Color calibration sensor (MDSVSENSOR3), see http://necdisplay.com for supported video cards	
SHIPS WITH	Power cord; DVI-D cable; Setup sheet; Mini DisplayPort and USB cables	

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