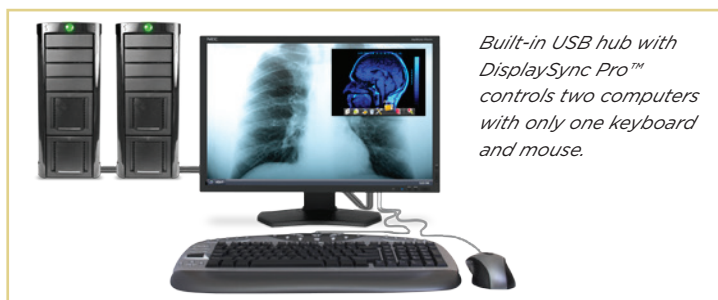


# NEC MultiSync® MD301C4

29.8" widescreen, high-resolution (2560 x 1600) 4MP color LCD display  
ideal for medical applications

Designed exclusively for the demanding needs of medical imaging and PACS, the NEC MultiSync MD301C4 display embodies the precision, high performance and intelligence you'd expect from a world leader in display technology.



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

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



## Highlights

- Widescreen, 4-Megapixel resolution (2560 x 1600) has the equivalent imaging space of two 2MP displays
- Each NEC MultiSync MD301C4 monitor is calibrated out of the box to the DICOM GSDF grayscale display function for luminance
- X-Light™ Pro backlight system monitors and constantly readjusts the luminance, which ensures consistent brightness
- ColorComp™ digital uniformity correction reduces screen uniformity errors and compensates for differences in color, grayscale and luminance across the entire screen
- 14-bit gamma provides for more finely detailed, high-definition rendering of color images and crisper display of even the most delicate shadings and color differences
- 10-bit color or grayscale capability for optimal digital image performance
- FDA 510(k) approved for use in digital radiology applications

NEC MULTISYNC **MD** SERIES The clear choice in diagnostic displays.

## Specifications for MD301C4

MODEL	MD301C4
<b>DISPLAY</b>	
Viewable Image Size	29.8"
Color Type	Color
MegaPixels	4MP
Native Resolution	2560 x 1600
Pixel Pitch	0.251mm
Pixels Per Inch	101 @ native resolution
Brightness (typical)	200 cd/m <sup>2</sup> calibrated / 350 cd/m <sup>2</sup> max.
Contrast Ratio (typical)	1000:1
Viewing Angle	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10
Response Time	7ms
Lookup Table	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)
<b>Sensors</b>	
Backlight	
<b>Synchronization Range</b>	
Horizontal (Analog/Digital)	31.5-98.7 kHz (Digital only)
Vertical	30-87 Hz
<b>Input Signal</b>	
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)
<b>CONNECTIVITY</b>	
Input Connectors	DisplayPort (2), DVI-D (2)
<b>POWER CONSUMPTION</b>	
On (typical)	155W
Power Savings Mode (typical)	1.7W
<b>PHYSICAL SPECIFICATIONS</b>	
<b>Dimensions (WxHxD)</b>	
Net (with stand)	27.1 x 18.4-24.3 x 11.9 in. / 687.3 x 467.6-617.2 x 302.3mm
Net (without stand)	27.1 x 17.6 x 4.9 in. / 687.3 x 447 x 124.5mm
<b>Weight</b>	
Net (with stand)	41.5 lbs. / 18.8 kg
Net (without stand)	27.6 lbs. / 12.5 kg
VESA Hole Configuration	100 x 100mm, 200 x 100mm
<b>ENVIRONMENTAL CONDITIONS</b>	
Operating Temperature	41-95°F / 5-35°C
Operating Humidity	30 - 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
<b>LIMITED WARRANTY</b>	
5 years, including Advanced Overnight Exchange*	
<b>ADDITIONAL FEATURES</b>	
DICOM GSDF calibrated; Digital uniformity correction; GammaComp MD QA software; Analog/digital CableComp; Pivot; Tilt; Swivel; Height-adjustable stand	
<b>SHIPS WITH</b>	
Power cord; DVI cable (Dual Link for several models); Setup sheet; CD-ROM (GammaComp MD software); DisplayPort and USB cables	
<b>OPTIONAL ACCESSORIES</b>	
Nvidia dual-head video card (MDNFX380); 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 (MDMXENPRO); Realvision dual-head 5MP video card (MDRV10B-5MP); Color calibration sensor (MDSVSENSOR2); Medical calibrator (MD-N2M5B); Hood (90HD30)	

\* Backlight usage limited to 20,000 hours calibrated at 200 cd/m<sup>2</sup> or less or 6,500 hours calibrated at 250 cd/m<sup>2</sup> or less.

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 Network provides computer networks with centralized control and management of multiple display systems.

