Nio 5MP (MDNG-5121)

5 MegaPixel (2048 x 2560) diagnostic grayscale display system

Nio 5MP (MDNG-5121 MA) is a flexible diagnostic display system with a resolution of 2048 x 2560. Thanks to its high luminance and contrast, Nio 5MP is a perfect solution for a wide range of medical imaging applications, such as X-ray, PACS, MRI, angiography, computed tomography and mammography on PACS.

Long-term image confidence
Backlight Output Stabilization technology guarantees fast power-up and continuously stabilizes the luminance output of the LCD's backlight. This significantly improves the overall optical efficiency of the display system and provides long-term image stability.

Perfect color matching
Every multi-head Nio 5MP display system is carefully color matched to guarantee that the color characteristics of all displays in the system are perfectly consistent.

Nio 5MP provides image crispness and an excellent viewing angle in a 2560 x 2048 resolution. **The Nio 5MP display system includes:**
· One or more 5 MegaPixel flat panel displays
· MediCal QAWeb software for automated calibration and Quality Assurance
· A BarcoMed PCIe display controller

Check the compatibility matrix for more info about alternative display controllers.

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Technical specifications

Technology	TFT AMLCD dual domain IPS
Pixel pitch	0.165 mm
Active screen diagonal	540.9 mm (21.3")
Active screen width	422.4 mm (16.5")
Active screen height	337.9 mm (13.3")
Color imaging	No
Gray imaging	Yes
Resolution	5MP (2048 x 2560)
Luminance	700 cd/m² (Max.) 500 cd/m² (Calibrated)
Contrast	800:1 (Typ.,dark reading room)
Viewing angle	170° (Hor./Vert.)
Look up table	10 bit
Video inputs	DVI
Image stabilization	Backlight sensor BLOS
Dimensions	Portrait: 408 x 591 x 250 mm (16.06 x 23.27 x 9.8")(W x H xD) Landscape: 492 x549 x 250 mm (19.37 x 21.61 x 9.8")(W x H x D)
Weight	12.5 kg (27.6 lbs)
Power consumption	80 W (Typ.)
Approvals	CE, UL60601, CSA C22.2 No 601.1, IEC60601, EN 60601-1-2, FDA 510k, FCC level B
Operating temperature	0 to +40°C (32 to 104°F)
Ambient Light Compensation (ALC)	No
Uniform Luminance Technology (ULT)	No
Warranty	5 years
Graphics card	MXRT-5200
Options	none

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