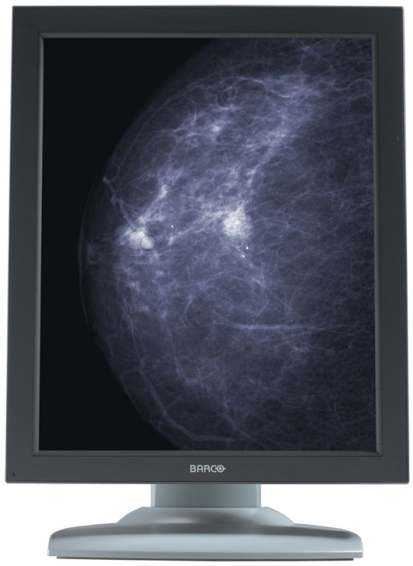
Nio 5MP (MDNG-5121)

5 MegaPixel 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.

High-quality imaging

The Nio 5MP brings high brightness, exceptional crispness and an excellent viewing angle to your readings. Backlight Output Stabilization (BLOS) technology guarantees fast power-up and continuously stabilizes the luminance output of the LCD's backlight.

Fully transparent calibration and QA

Barco's Nio 5MP is bundled with MediCal QAWeb for automated DICOM calibration, Quality Assurance, display asset management, problem solving and reporting, guaranteeing maximum diagnostic confidence and uptime of your PACS display systems.

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Visibly yours

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The Nio 5MP display system includes:

· A 5 MegaPixel flat panel display
· MediCal QAWeb software for automated calibration and Quality Assurance
· A high-speed, high-performance display controller: check the compatibility matrix

Product specifications	Nio 5MP (MDNG-5121)
Screen technology	TFT AM LCD Dual Domain IPS
Active screen size (diagonal)	541 mm (21.3")
Active screen size (H x V)	422 x 338 mm (16.5 x 13.3")
Aspect ratio (H:V)	5:4
Resolution	5MP (2560 x 2048)
Pixel pitch	0.1650 mm
Active screen height	337.9 mm (13.3")
Color imaging	No
Gray imaging	Yes
Number of grayscales (LUT in/LUT out)	10 bit
Viewing angle (H, V)	170°
Uniform Luminance Technology (ULT)	No
Per Pixel Uniformity (PPU)	No
Ambient Light Compensation (ALC)	No
Backlight Output Stabilization (BLOS)	Yes
I-Guard	No
Maximum luminance	700 cd/m²
DICOM calibrated luminance (ULT off)	500 cd/m²
Contrast ratio (ULT off)	800:1
Response time (Tr + Tf)	25 ms
Video input signals	DVI-D Dual Link
USB ports	1 upstream (endpoint), 2 downstream
USB standard	1.1
Power consumption (nominal)	95W
Power save mode	Yes
Dimensions with stand (W x H x D)	Portrait: 382 x 577~637 x 249 mm Landscape: 488 x 472~532 x 249 mm
Dimensions w/o stand (W x H x D)	Portrait: 382x 488 x 114 mm Landscape: 488 x 382 x x 114 mm
Net weight with stand	13.5 kg
Mounting standard	VESA (100 mm)
Screen protection	Protective, non-reflective PMMA cover
Recommended modalities	CT, MR, US, DR, CR, NM, Film
Certifications	CE, UL60601, CSA C22.2 No 601.1, IEC60601, EN 60601-1-2, FDA 510k, FCC level B
Supplied accessories	Getting Started Guide Quick-Installation Sheet Video cable (DVI Dual Link) Main cables (UK, European (CEBEC/KEMA), USA (UL/CSA; adaptor plug NEMA 5-15P), Chinese (CCC)) USB 2.0 cable External power supply
Optional accessories	NA
QA software	MediCal QAWeb
Warranty	5 years

Last updated: 24 jul 2015