

# Nio 5MP (MDNG-5121)

5 MegaPixel diagnostic grayscale display system



- **Grayscale medical display with 2048 x 2560 resolution**
- **Crisp and high-bright images**
- **Transparent calibration and QA**
- **Cleared for mammography**

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.

### 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 specificaties****NIO 5MP (MDNG-5121)****General specifications**

Schermt technologie	TFT AM LCD Dual Domain IPS
Actief schermformaat (diagonaal)	541 mm (21.3")
Formaat actief scherm (H x V)	422 x 338 mm (16.5 x 13.3")
Beeldverhouding (H:V)	5:4
Resolutie	5MP (2560 x 2048)
Pixelpitch	0.1650 mm
Hoogte actief scherm	337.9 mm (13.3")
Beeldkleur	No
Grijsbeeldvorming	Yes
Aantal grijswaarden (LUT in/LUT uit)	10 bit
Kijkhoek (H, V)	170°
Uniform Luminance Technology (ULT)	No
Per Pixel Uniformity (PPU)	No
Omgevingslichtcompensatie (OLC)	No
Backlight Output Stabilization Technology (BLOS)	Yes
I-Guard	No
Maximale luminantie	700 cd/m <sup>2</sup>
DICOM-gekalibreerde luminantie (ULT uit)	500 cd/m <sup>2</sup>
Contrastverhouding (ULT uit)	800:1
Reactietijd (stijgtijd + valtijd)	25 ms
Video-ingangssignalen	DVI-D Dual Link
USB-poorten	1 upstream (endpoint), 2 downstream
USB-standaard	1.1
Stroomverbruik (nominaal)	95W
Energiebesparingsmodus	Yes
Afmetingen met standaard (B x H x D)	Portrait: 382 x 577~637 x 249 mm Landscape: 488 x 472~532 x 249 mm
Afmetingen zonder standaard (B x H x D)	Portrait: 382x 488 x 114 mm Landscape: 488 x 382 x x 114 mm
Nettogewicht met standaard	13.5 kg
Montagestandaard	VESA (100 mm)
Bescherming van het scherm	Protective, non-reflective PMMA cover
Aanbevolen procedures	CT, MR, US, DR, CR, NM, Film
Certificeringen	CE, UL60601, CSA C22.2 No 601.1, IEC60601, EN 60601-1-2, FDA 510k, FCC level B
Meegeleverde accessoires	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
Optionele accessoires	NA
Software voor kwaliteitsgarantie	MediCal QAWeb
Garantie	5 years

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