

# Nio 5MP (MDNG-6121)

5 MegaPixel (2800 x 2096) diagnostic grayscale display system



5Y  
WARRANTY



Nio 5MP (MDNG-6121) is a flexible diagnostic display system with a resolution of 2800 x 2096. 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.

## 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

BARCO

Visibly yours

**Product specifications****Nio 5MP (MDNG-6121)**

<b>Screen technology</b>	TFT AM LCD Dual Domain IPS
<b>Active screen size (diagonal)</b>	541 mm (21.3")
<b>Active screen size (H x V)</b>	432 x 324 mm (17.0 x 12.8")
<b>Aspect ratio (H:V)</b>	4:3
<b>Resolution</b>	5MP (2800 x 2096)
<b>Pixel pitch</b>	0.1540 mm
<b>Color imaging</b>	No
<b>Gray imaging</b>	Yes
<b>Number of grayscales (LUT in/LUT out)</b>	1024 grey levels (10/12)
<b>Viewing angle (H, V)</b>	170°
<b>Uniform Luminance Technology (ULT)</b>	Yes
<b>Per Pixel Uniformity (PPU)</b>	No
<b>Ambient Light Compensation (ALC)</b>	No
<b>Backlight Output Stabilization (BLOS)</b>	Yes
<b>I-Guard</b>	No
<b>Maximum luminance</b>	1100 cd/m <sup>2</sup>
<b>DICOM calibrated luminance (ULT off)</b>	500 cd/m <sup>2</sup>
<b>Contrast ratio (ULT off)</b>	1000:1
<b>Response time (Tr + Tf)</b>	32 ms
<b>Video input signals</b>	DVI-D Dual Link
<b>USB ports</b>	1 upstream (endpoint), 2 downstream
<b>USB standard</b>	2.0
<b>Power consumption (nominal)</b>	78W
<b>Power save mode</b>	Yes
<b>Dimensions with stand (W x H x D)</b>	Portrait: 382 x 577~637 x 249 mm Landscape: 488 x 472~532 x 249 mm
<b>Dimensions w/o stand (W x H x D)</b>	Portrait: 382x 488 x 114 mm Landscape: 488 x 382 x x 114 mm
<b>Net weight with stand</b>	12.3 kg
<b>Mounting standard</b>	VESA (100 mm)
<b>Screen protection</b>	Protective, non-reflective PMMA cover
<b>Recommended modalities</b>	CT, MR, US, DR, CR, NM, Film
<b>Certifications</b>	UL 60601-1 1ST EDITION, CAN/ CSA-C22.2 NO. 601.1-M90, IEC 60601-1 2ND ED:1988 + A1:1991 + A2:1995, IEC 60950-1:2001 1ST EDITION, CE - 2004/108/EC, CE - 93/42/EC, A1:2007/47/EC CLASS IIB, DEMKO - EN 60601-1, CCC - GB9254-2008 + GB4943-2001 + GB17625.1-2003, BSMI - CNS13438(95) + CNS14336(94), KCC, VCCI, FCC class B, FDA 510K, Rohs
<b>Supplied accessories</b>	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
<b>Optional accessories</b>	NA
<b>QA software</b>	MediCal QAWeb
<b>Warranty</b>	5 years