

# Nio 2MP (MDNG-2121)

2 MegaPixel diagnostic grayscale display system



Nio is a flexible, industry-standard display solution for diagnostic imaging. The Nio 2MP provides image crispness and an excellent viewing angle in a 1600 x 1200 resolution.

## High-quality imaging

The Nio 2MP 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 2MP 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 2MP display system includes:

- A 2 MegaPixel flat panel display
- MediCal QAWeb software for automated calibration and Quality Assurance
- A high-speed, high-performance display controller: check the compatibility matrix

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Visibly yours

**Product specifications****Nio 2MP (MDNG-2121)**

<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>	2MP (1600 x 1200)
<b>Pixel pitch</b>	0.2700 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>	1650 cd/m <sup>2</sup>
<b>DICOM calibrated luminance (ULT off)</b>	500 cd/m <sup>2</sup>
<b>Contrast ratio (ULT off)</b>	850:1
<b>Response time (Tr + Tf)</b>	23 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>	65W
<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>	12.1 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, FCC class B, VCCI, 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