

# Nio 3MP (E-3620)

## 3 MegaPixel diagnostic grayscale display system



Nio is Barco's flexible, industry-standard display solution for diagnostic imaging. Presenting an exceptional combination of innovation and performance, Barco's next-generation Nio display system improves your diagnostic reading routine for a multitude of medical imaging applications.

Nio 3MP provides image crispness and an excellent viewing angle in a 2048 x 1536 resolution. **The Nio 3MP display system includes:**

- One or more 3 MegaPixel flat panel displays
- Medical QAWeb software for automated calibration and Quality Assurance
- A BarcoMed PCIe or MXRT-5200 display controller

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

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Visibly yours

## Technical specifications

Screen technology	TFT AM LCD Dual Domain IPS
Active screen size (diagonal)	528 mm (20.8")
Active screen size (H x V)	424 x 318 mm (16.7 x 12.5")
Aspect ratio (H:V)	4:3
Resolution	3MP (2048 x 1536)
Pixel pitch	0.2070 mm
Color imaging	No
Gray imaging	Yes
Number of grayscales (LUT in/LUT out)	1024 grey levels (10/10)
Viewing angle (H, V)	170°
Uniform Luminance Technology (ULT)	Yes
Per Pixel Uniformity (PPU)	No
Ambient Light Compensation (ALC)	No
Backlight Output Stabilization (BLOS)	Yes
I-Guard	No
Maximum luminance	1000 cd/m <sup>2</sup>
DICOM calibrated luminance (ULT off)	500 cd/m <sup>2</sup>
Contrast ratio (ULT off)	900:1
Response time (Tr + Tf)	50 ms
Scanning frequency (H; V)	30-150 kHz; 15-80 Hz
Housing color	Gray
Video input signals	DVI-D Dual Link
Video inout terminals	NA
USB ports	1 upstream, 2 downstream
USB standard	1.1
Power requirements (nominal)	100-240V
Power consumption (nominal)	54W
Power save mode	Yes
Power management	DVI-DMPPM

<b>Dot clock</b>	280 MHz
<b>OSD languages</b>	English
<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>Dimensions packaged (W x H x D)</b>	519 x 339 x 699 mm
<b>Net weight with stand</b>	11.5 kg
<b>Net weight w/o stand</b>	7.5 kg
<b>Net weight packaged with stand</b>	16.6 kg
<b>Net weight packaged w/o stand</b>	12.4 kg
<b>Height adjustment range</b>	60 mm
<b>Tilt</b>	-5° / +30°
<b>Swivel</b>	-45° / +45°
<b>Pivot</b>	90°
<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, UL 60950-1 1ST EDITION, CSA C22.2 NO. 60950-1-03 1ST EDITION, 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, DEMKO - EN 60950-1, CCC - GB9254-1998 + GB4943-2001 + GB17625.1-2003, VCCI, FCC class B, BSMI, KETI, 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)) External power supply

<b>Optional accessories</b>	NA
<b>QA software</b>	MediCal QAWeb
<b>Units per pallet</b>	NA
<b>Pallet dimensions (W x H)</b>	NA
<b>Warranty</b>	5 years