

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 high-speed, high-performance display controller: check the compatibility matrix

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Product specifications**Nio 3MP (E-3620)**

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 ²
DICOM calibrated luminance (ULT off)	500 cd/m ²
Contrast ratio (ULT off)	900:1
Response time (Tr + Tf)	50 ms
Video input signals	DVI-D Dual Link
USB ports	1 upstream, 2 downstream
USB standard	1.1
Power consumption (nominal)	54W
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 114 mm
Net weight with stand	11.5 kg
Mounting standard	VESA (100 mm)
Screen protection	Protective, non-reflective PMMA cover
Recommended modalities	CT, MR, US, DR, CR, NM, Film
Certifications	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
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)) External power supply
Optional accessories	NA
QA software	MediCal QAWeb
Warranty	5 years