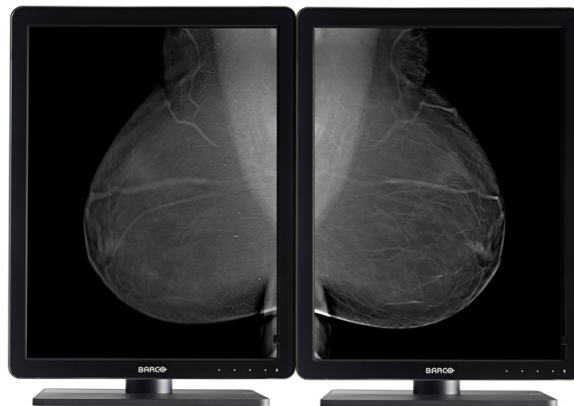


Nio 5MP LED (MDNG-5221)

5MP diagnostic grayscale display system



- Grayscale medical display with 2560 x 2048 resolution
- Barco LED technology to unveil the subtlest details
- Front sensor for on-demand image quality check
- Cleared for mammography

PRODUCT SPECIFICATIONS**NIO 5MP LED (MDNG-5221)**

Screen technology	a-si TFT active matrix dual domain IPS
Backlight	LED
Active screen size diagonal	540 mm (21.3")
Active screen size H x V	422.4 mm x 337.9 mm (16.5 x 13.3")
Aspect ratio HV	5:4
Resolution	5 MP (2560 x 2048)
Pixel pitch	0.165 mm
Color imaging	No
Gray imaging	Yes
Number of grayscales LUT inLUT out	1024 gray levels (10/12)
Viewing angle H V	176°
Uniform Luminance Technology ULT LED	Yes
Backlight Output Stabilization BLOS	Yes
Front sensor	Yes
Maximum luminance	1225 cd/m ² typical
DICOM calibrated luminance	500 cd/m ²
Contrast ratio	1200:1 typical
Response time Tr Tf	25 ms typical
Scanning frequency H V	15-129 kHz; 24-100 Hz
Housing color	Black / White
Video input signals	DVI-D Dual Link / DisplayPort
Video inout terminals	N/A
USB ports	1 upstream, 2 downstream
USB standard	2.0
Power requirements nominal	100-240V
Power consumption nominal	43W
Power save mode	Yes
Power management	DVI-DMPM
Dot clock	280 Mhz
OSD languages	English, German, French, Dutch, Spanish, Italian, Portugese, Polish, Russian, Swedish, Chinese (simplified), Japanese, Korean, Arabic
Dimensions with stand W x H x D	Portrait: (w x hmax x d) 407 x 623 x 235 mm (w x hmin x d) 407 x 523 x 235 mm Landscape: (w x hmax x d) 493.5 x 579 x 235 mm (w x hmin x d) 493.5 x 479 x 235 mm
Dimensions wo stand W x H x D	407 x 493.5 x 84 mm
Dimensions packaged W x H x D	676 x 565 x 317 mm
Net weight with stand	13.25 kg
Net weight wo stand	8.23 kg
Net weight packaged with stand	19.61 kg
Net weight packaged wo stand	N/A
Height adjustment range	100 mm
Tilt	-5° / +25°

PRODUCT SPECIFICATIONS**NIO 5MP LED (MDNG-5221)**

Swivel	-30° / +30°
Pivot hardware	90°
Mounting standard	VESA (100 mm)
Screen protection	Protective, non-reflective glass cover
Recommended modalities	Radiology, Mammography
Certifications	CE0120 (MDD 93/42/EEC; A1:2007/47/EC class IIb product), CE - 2004/108/EC, CE - 93/42/EEC; A1:2007/47/EC class II b, IEC 60950-1:2005 + A1:2009 (2ND EDITION), IEC 60601-1:2005 + A1:2012, ANSI/AAMI ES 60601-1:2005 + C1:2009 + A1:2012, CAN/CSAC22.2 No. 60601-1-08:2008, DEMKO - EN 60601-1:2006, EN 60601-1-2:2007, CCC - GB9254-2008 + GB4943.1-2011 + GB17625.1-2003, KC, VCCI, FCC class B, ICES-001 Level B, FDA 510(k), RoHS
Supplied accessories	User Guide Quick Installation Sheet Video cables (1 x DVI Dual Link, 1 x DisplayPort) Main cables (UK, European (CEBEC/KEMA), USA (UL/CSA; adaptor plug NEMA 5-15P), Chinese (CCC)) USB 2.0 cable External power supply
Optional accessories	None
QA software	MediCal QAWeb
Ambient light sensor	MK2
Units per pallet	4 per layer
Pallet dimensions W x H	80 cm x 120 cm
Warranty	5 years
Operating temperature	0°C to 40°C (15°C to 30°C within specs)
Storage temperature	-20°C to 60°C
Operating humidity	8% - 80% (non-condensing)
Storage humidity	5% - 95% (non-condensing)
Operating altitude	2000 m
Storage altitude	7500 m

Last updated: 17 May 2017

Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.