Mammo Tomosynthesis 5MP (MDMG-5221)

5 MegaPixel display system for digital breast imaging, including breast tomosynthesis





Optimized for digital breast tomosynthesis

Barco's Mammo Tomosynthesis 5MP has been developed to optimize reading and interpretation of digital breast tomosynthesis, a groundbreaking imaging modality that significantly improves accuracy of breast cancer detection. Its unique technologies for tomosynthesis visualization increase conspicuity of the smallest details, providing radiologists with a new degree of diagnostic confidence.

The Mammo Tomosynthesis 5MP is the first display system available for breast tomosynthesis. It is cleared by the US Food and Drug Administration (FDA) for use in standard and multi-frame digital mammography as well as breast tomosynthesis.

Quick readings, exceptional results

The Mammo Tomosynthesis 5MP ensures instant delivery of images without motion blur, increasing correct diagnosis and swift workflow.

Bright images, more details

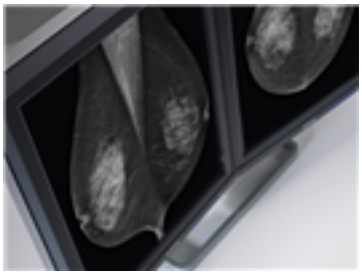
Featuring twice the brightness of conventional systems and lasting twice as long, the Mammo Tomosynthesis 5MP offers unrivalled image precision and visibility of the most subtle details.

BARCO

Visibly yours

Mammo Tomosynthesis 5MP (MDMG-5221)

5 MegaPixel display system for digital breast imaging, including breast tomosynthesis



Less noise, improved accuracy

Screen noise often hides subtle details. That's why the Mammo Tomosynthesis 5MP ensures pixel-perfect images without disturbing screen noise, offering clearer visibility of differences in tissue density.

Guaranteed compliance, diagnostic confidence

Automated checks of contrast and luminance, in combination with an online calibration service, result in an optimal working environment and worry-free readings.





Product specifications	Mammo Tomosynthesis 5MP (MDMG-5221)
Screen technology	TFT AMLCD Dual Domain IPS WideView
Active screen size (diagonal)	541 mm (21.3")
Active screen size (H x V)	337.9 x 422.4 mm (13.3 x 16.6")
Aspect ratio (H:V)	4:5
Resolution	5MP (2048 x 2560)
Pixel pitch	0.165 x 0.165 mm
Color imaging	No
Gray imaging	Yes
Number of grayscales (LUT in/LUT out)	1024 gray levels (10/12)
Viewing angle (H, V)	176°
Per Pixel Uniformity (PPU)	Yes
RapidFrame technology	Yes
I-Luminate button	Yes
Ambient Light Compensation (ALC)	Yes
I-Guard	Yes
Maximum luminance	2100 cd/m²
DICOM calibrated luminance (ULT off)	1000 cd/m²
Contrast ratio (dark reading room, typical)	950:1
Response time (Tr + Tf)	15 ms (typical)
Scanning frequency (H; V)	30-150 kHz; 15-80 Hz
Housing color	Gray
Video input signals	DP, DVI
Video inout terminals	NA
USB ports	1 upstream + 1 endpoint, 2 downstream
USB standard	2.0
Power requirements (nominal)	100-240 V
Power consumption (nominal)	125 W
Power save mode	Yes
Power management	DVI-DMPM
Dot clock	280 Mhz
OSD languages	English, French, German, Italian, Spanish
Dimensions with stand (W x H x D)	392 x 558 x 250 mm
Dimensions w/o stand (W x H x D)	392 x 484 x 123 mm
Dimensions packaged (W x H x D)	780 x 550 x 261 mm
Net weight with stand	15.4 kg
Net weight w/o stand	10.9 kg
Net weight packaged w/o stand	17.3 kg
Height adjustment range	100 mm
Tilt	-5° / +24°
Swivel	-45° / +45°
Pivot	90°
Mounting standard	VESA (100 mm)
Screen protection	Protective, non-reflective glass cover
Recommended modalities	breast tomosynthesis, mammography, CT, MR, US, DR, CR, NM, Film

Product specifications	Mammo Tomosynthesis 5MP (MDMG-5221)
Certifications	UL 60601-1 2ND EDITION, CAN/CSA-C22.2 NO. 601.1-M90:2005, IEC 60601-1 2ND ED:1988 + A1:1991 + A2:1995, IEC 60950-1:2005 2ND 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), KC, VCCI, FCC class B; FDA 510(k), RoHs
Supplied accessories	User manual, Video cable (DisplayPort), Main cables (UK, European (CEBEC/KEMA), USA (UL/CSA; adaptor plug NEMA 5-15P), Chinese (CCC)), USB cable, external power supply, film clip, keyboard light
Optional accessories	NA
QA software	MediCal QAWeb
Units per pallet	NA
Pallet dimensions (W x H)	NA
Warranty	5 years
Color support	NA
Uniform Luminance Technology (ULT)	Yes

Last updated: 28 Jul 2015
Technical specifications are subject to change without prior notice.
Please check www.barco.com for the latest information.

BARCO
Visibly yours