

Coronis 5MP Mammo (MDMG-5121)

5 MegaPixel premium display system for digital mammography



The Coronis 5MP Mammo display system for digital mammography proves that technology can make a real difference.

Pixel-perfect mammography reading

Equipped with top-of-the-line LCD technology, the system offers radiologists highly accurate grayscale images with high resolution, high contrast and perfect geometry. Innovative technology, such as 'Per Pixel Uniformity', ensures pixel-perfect images, without disturbing screen-noise, which might hide subtle details.

Ultimate grayscale accuracy

The 12-bit DICOM look-up table produces 1024 simultaneous shades of gray. This provides radiologists with a higher level of diagnostic precision, making it possible to detect the most subtle of details in digital mammography images.

Lasting precision

Thanks to the DuraLight backlight technology, Coronis 5MP Mammo has a lifetime that is 3 to 5 times longer than conventional displays.

The preferred choice for digital mammography

These benchmark technologies have made Coronis 5MP Mammo the preferred choice for training and screening centers worldwide.

The Coronis 5MP Mammo display system includes:

- Two 5 MegaPixel flat panel displays
- MediCal QAWeb software for automated calibration and Quality Assurance
- A high-speed, high-performance display controller: check the compatibility matrix

The MDMG-5121 replaces the MFGD-5621 HD.

BARCO

Visibly yours

Technical specifications

Screen technology	TFT AM LCD Dual Domain IPS
Active screen size (diagonal)	541 mm (21.3")
Active screen size (H x V)	422 x 338 mm (16.6 x 13.3")
Aspect ratio (H:V)	5:4
Resolution	5MP (2560 x 2048)
Pixel pitch	0.1650 mm
Color imaging	No
Gray imaging	Yes
Number of grayscales (LUT in/LUT out)	1024 gray levels (10/12)
Viewing angle (H, V)	176°
Uniform Luminance Technology (ULT)	No
Per Pixel Uniformity (PPU)	Yes
Ambient Light Compensation (ALC)	No
Backlight Output Stabilization (BLOS)	Yes
I-Guard	Yes
Maximum luminance	1600 cd/m²
DICOM calibrated luminance (ULT off)	600 cd/m²
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 (endpoint), 2 downstream
USB standard	2.0
Power requirements (nominal)	100-240V
Power consumption (nominal)	65W
Power save mode	Yes
Power management	DVI-DMPM
Dot clock	280 MHz
OSD languages	English, French, German, Spanish, Italian
Dimensions with stand (W x H x D)	Portrait: 408 x 582~642 x 250 mm Landscape: 493 x 508~568 x 250 mm
Dimensions w/o stand (W x H x D)	Portrait: 408 x 493 x 114 mm Landscape: 493 x 408 x 114 mm
Dimensions packaged (W x H x D)	519 x 339 x 699 mm
Net weight with stand	13.3 kg
Net weight w/o stand	9.2 kg
Net weight packaged with stand	17.9 kg
Net weight packaged w/o stand	13.8 kg
Height adjustment range	60 mm
Tilt	-5° / +30°
Swivel	-45° / +45°

Pivot	90°
Mounting standard	VESA (100 mm)
Screen protection	Protective, non-reflective glass cover
Recommended modalities	Mammo, CT, MR, US, DR, CR, NM, Film
Certifications	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, AT:2007/47/EC CLASS IIB, DEMKO - EN 60601-1, CCC - GB9254-2008 + GB4943-2001 + GB17625.1-2003, BSMI - CNS13438(95) + CNS14336(94), KCC, VCCI, FCC class B; FDA 510(k), 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)) USB 2.0 cable
Optional accessories	NA
QA software	MediCal QAWeb
Units per pallet	NA
Pallet dimensions (W x H)	NA
Warranty	5 years