

# 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.

**PRODUCT SPECIFICATIONS****CORONIS 5MP MAMMO (MDMG-5121)**

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°
Uniformity Technology	No
Per Pixel Uniformity (PPU)	Yes
Ambient Light Compensation (ALC)	No
Backlight Output Stabilization (BLOS)	Yes
I-Guard	Yes
Maximum luminance	1600 cd/m <sup>2</sup>
DICOM calibrated luminance (ULT off)	600 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 (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

**PRODUCT SPECIFICATIONS****CORONIS 5MP MAMMO (MDMG-5121)**

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, A1:2007/47/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 External power supply
Optional accessories	NA
QA software	MediCal QAWeb
Units per pallet	NA
Pallet dimensions (W x H)	NA
Warranty	5 years

Last updated: 24 Feb 2021

Technical specifications are subject to change without prior notice. Please check [www.barco.com](http://www.barco.com) for the latest information.