

Coronis 5MP LED (MDCG-5221)

5MP premium diagnostic display system for digital mammography



Barco's Coronis 5MP LED combines the best features of its successful Coronis 5MP and Coronis 5MP Mammo display systems with new image-enhancing technologies to offer a premium display solution for digital mammography imaging.

Equipped with high-bright LED backlights, Coronis 5MP LED renders more JNDs (Just Noticeable Differences) to help you see more shades of gray. Additionally, Per Pixel Uniformity ensures every pixel is DICOM-compliant at all times, which increases contrast to noise ratio. Subtle details become more noticeable more quickly, resulting in reduced windowing and leveling time.

Unrivaled brightness

Coronis 5MP LED offers a high calibrated luminance – 600 cd/m² – to increase detection of the smallest details. Additionally, with the 'hot light' I-Luminate button you can temporarily boost the display brightness, allowing inspection of subtle details or comparison of digital exams with film-based priors.

Worry-free DICOM compliance

Barco's Coronis 5MP LED is bundled with MediCal QAWeb for automated calibration and QA, ensuring continuous diagnostic quality and maximum uptime of your workstation. MediCal QAWeb allows you to continue working while automated QA checks are being executed and enables remote, centralized image quality management.

High return on investment

Barco's LED backlights are as low in power consumption as they are high in brightness. They are mercury-free, produce less heat, and last longer,

providing a high return on your investment. The cool-running display electronics produce bright light more efficiently, requiring less cooling and reducing the overall operational costs for the hospital.

- Per Pixel Uniformity™: PPU measures and adjusts the luminance of each pixel, making every pixel permanently DICOM compliant.
- I-Luminate™: a push on the 'hot light' I-Luminate button will temporarily boost display brightness, allowing inspection of subtle details or comparison of digital exams with film-based priors.
- I-Guard™: the integrated I-Guard sensor continually guards and adjusts the luminance output of the display, ensuring continuous compliance with the DICOM standard.
- QAWeb: the innovative MediCal QAWeb system is an easy-to-use, web-based tool for automated calibration and Quality Assurance.
- Adjustable dual-head stand: the dual-head stand allows users to angle the displays to fit their preferred position for optimum viewing.
- 5-year warranty: Coronis 5MP LED is covered by a standard 5-year warranty.

Product specifications**CORONIS 5MP LED (MDCG-5221)**

General specifications	
Screen technology	TFT AM LCD Dual Domain IPS
Active screen size (diagonal)	540.9 mm (21.3")
Active screen size (H x V)	422.4 mm x 377.9 (16.5 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)	178°
Per Pixel Uniformity (PPU)	Yes
Ambient Light Compensation (ALC)	Yes
Backlight Output Stabilization (BLOS)	Yes
I-Guard	Yes
Maximum luminance	1200 cd/m ² (panel typical)
DICOM calibrated luminance (ULT off)	600 cd/m ²
Contrast ratio (ULT off)	900:1 (typical)
Response time (Tr + Tf)	25 ms (typical)
Video input signals	DVI-D Dual Link / DisplayPort (per display)
USB ports	1 upstream (endpoint), 2 downstream external
USB standard	2.0
Power consumption (nominal)	50W
Power save mode	Yes
Dimensions with stand (W x H x D)	Portrait: 392 x 558.2~658.2 x 110.2mm Landscape: 484.7 x 465.5~565.5 x 110.2 mm
Dimensions w/o stand (W x H x D)	Portrait: 392 x 484.7 x 110.2 mm Landscape: 484.7 x 392 x 110.2 mm
Net weight with stand	15.1 kg
Mounting standard	VESA (100 mm)
Screen protection	Protective, non-reflective glass cover
Recommended modalities	MG, CT, MR, US, DR, CR, NM, Film
Certifications	CE0120 (MDD 93/42/EEC class IIb product), CE 2004/108/EC, CE 93/42/EEC:A1:2007/47/EC classIIb, UL 606011 1ST EDITION, CAN/CSAC22.2 NO.601.1M90 2005, IEC 606011 2ND ED:1988 + A1:1991+ A2:1995, IEC 609501:2005 2ND EDITION, DEMKO EN606011:1990 + A1:1993 + A2:1995, CCC GB92542008 + GB49432001 + GB17625.12003,VCCI, FCCclass B, BSMI, FDA 510K, RoHS, KC
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	NA
QA software	MediCal QAWeb
Warranty	5 years

Last updated: 27 Jun 2023

© 2018 Barco nv. All rights reserved. Reproduction in whole or in part without written permission is prohibited. All brand names and product names are trademarks, registered trademarks or tradenames of their respective holders. Due to continued innovation, information and technical specifications are subject to change without prior notice. Please check www.barco.com for the latest specifications.