

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.

Unrivalled 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 specificaties**CORONIS 5MP LED (MDCG-5221)**

General specifications	
Scherntechnologie	TFT AM LCD Dual Domain IPS
Actief schermformaat (diagonaal)	540.9 mm (21.3")
Formaat actief scherm (H x V)	422.4 mm x 377.9 (16.5 x 13.3")
Beeldverhouding (H:V)	5:4
Resolutie	5MP (2560 x 2048)
Pixelpitch	0.1650 mm
Beeldkleur	No
Grijsbeeldvorming	Yes
Aantal grijswaarden (LUT in/LUT uit)	1024 gray levels (10/12)
Kijkhoek (H, V)	178°
Per Pixel Uniformity (PPU)	Yes
Omgevingslichtcompensatie (OLC)	Yes
Backlight Output Stabilization Technology (BLOS)	Yes
I-Guard	Yes
Maximale luminantie	1200 cd/m ² (panel typical)
DICOM-gekalibreerde luminantie (ULT uit)	600 cd/m ²
Contrastverhouding (ULT uit)	900:1 (typical)
Reactietijd (stijgtijd + valtijd)	25 ms (typical)
Video-ingangssignalen	DVI-D Dual Link / DisplayPort (per display)
USB-poorten	1 upstream (endpoint), 2 downstream external
USB-standaard	2.0
Stroomverbruik (nominaal)	50W
Energiebesparingsmodus	Yes
Afmetingen met standaard (B 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
Afmetingen zonder standaard (B x H x D)	Portrait: 392 x 484.7 x 110.2 mm Landscape: 484.7 x 392 x 110.2 mm
Nettogewicht met standaard	15.1 kg
Montagestandaard	VESA (100 mm)
Bescherming van het scherm	Protective, non-reflective glass cover
Aanbevolen procedures	MG, CT, MR, US, DR, CR, NM, Film
Certificeringen	CE0120 (MDD 93/42/EEC class IIb product), CE 2004/108/EC, CE 93/42/EEC; A1:2007/47/EC class IIb, 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, FCC class B, BSMI, FDA 510K, RoHS, KC
Meegeleverde accessoires	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
Optionele accessoires	NA
Software voor kwaliteitsgarantie	MediCal QAWeb
Garantie	5 years

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