Coronis 5MP LED (MDCG-5221)

5MP premium diagnostic grayscale display system

Equipped with high-bright LED backlights, Barco's 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.

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Product specifications	Coronis 5MP LED (MDCG-5221)
Screen technology	a-si TFT active matrix dual domain IPS
Active screen size (diagonal)	540 mm (21.3")
Active screen size (H x V)	422.4 mm x 337.9 mm (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)	170°
Per Pixel Uniformity (PPU)	Yes
Ambient Light Compensation (ALC)	Yes
Backlight Output Stabilization (BLOS)	Yes
I-Guard	Yes
Maximum luminance	1200 cd/m² typical
DICOM calibrated luminance	600 cd/m²
Contrast ratio	1200:1 typical
Response time (Tr + Tf)	25 ms typical
Video input signals	DVI-D Dual Link / DisplayPort
USB ports	1 upstream, 2 downstream
USB standard	2.0
Power consumption (nominal)	46W
Power save mode	Yes
Dimensions with stand (W x H x D)	Portrait: 407 x 523~623 x 235 mm Landscape: 493.5 x 479~579 x 235 mm
Dimensions w/o stand (W x H x D)	407 x 493.5 x 84 mm
Net weight with stand	13.6 kg
Mounting standard	VESA (100 mm)
Screen protection	Protective, non-reflective glass cover
Recommended modalities	CT, MR, US, DR, CR, NM, Film
Certifications	CE0120 (MDD 93/42/EEC; A1:2007/47/EC class IIb product), CE - 2004/108/EC, CE - 93/42/EEC; A1:2007/47/EC class II b, IEC 60950-1:2005 + A1:2009 (2ND EDITION), IEC 60601-1:2005 + A1:2012,ANSI/AAMI ES 60601-1:2005 + C1:2009 + A1:2012, CAN/CSAC22.2 No. 60601-1-08:2008, DEMKO - EN 60601-1:2006, EN 60601-1-2:2007, CCC - GB9254-2008 + GB4943.1-2011 + GB17625.1-2003, KC, VCCI, FCC class B, ICES-001 Level B, FDA 510(k), RoHS
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	None
QA software	MediCal QAWeb
Warranty	5 years

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