Coronis 5MP LED (MDCG-5221)

5MP premium diagnostic grayscale display system

5 MP   **21"** SCREEN

LED TECHNOLOGY   PPU   DURALIGHT   I-LUMINATE

ALC PRESETS   I-GUARD   QAWEB   **10** BIT

GRAYSCALE   PIVOT   GLASS COVER   **5Y** WARRANTY

- **Grayscale medical display with 2560 x 2048 resolution**

- **Barco LED technology to unveil the subtlest details**

- **Intelligent Multi-Sensor Technology for incredible images**

- **Cleared for mammography**

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/m^2 – to increase detection of the smallest details. Additionally, with the 'hot light' I-Luminate button you can temporarily boost the display brightness.

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.

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- I-Luminate™: a push on the 'hot light' I-Luminate button will temporarily boost display brightness.

- 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.

- 5-year warranty: Coronis 5MP LED is covered by a standard 5-year warranty.

PRODUCT SPECIFICATIONS	CORONIS 5MP LED (MDCG-5221)
Screen technology	Dual domain IPS, Normally Black
Active screen size (diagonal)	541 mm (21.3")
Active screen size (H x V)	459.8 x 375.3 mm (18.1" x 14.77")
Aspect ratio (H:V)	5:4
Resolution	5 MP (2560 x 2048 pixels)
Pixel pitch	0.165 mm
Gray imaging	Yes
Bit depth	10 bit
Viewing angle (H, V)	176°
Uniformity correction	PPU
I-Luminate	Yes
Ambient light presets	Yes, reading room selection
Ambient light sensor	Yes
Front sensor	Yes
Maximum luminance	1200 cd/m²
DICOM calibrated luminance	600 cd/m²
Contrast ratio (panel typical)	1200:1
Response time ((Tr + Tf)/2) (typical)	12.5 ms
Housing color	RAL 9003 / RAL 9004
Video input signals	DVI DisplayPort
USB ports	1x USB 2.0 upstream (endpoint) 3x USB 2.0 downstream
Power rating	24 VDC, 4 A; 5 VDC, 0.5 A
Power requirements	This device shall only be powered by the following medical approved power supply: Sinpro, type CPU110-201 Ratings marked on the medical power supply: ■ Input rating: 100–240 VAC, 1.5–0.6 A, 47-63 HZ ■ Output rating: 24 VDC, 4.58 A; 5 VDC, 0.5 A
Power consumption	46 W (nominal) < 0.5 W (hibernate) < 0.5 W (standby)
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 494 x 84 mm
Dimensions packaged (W x H x D)	676 x 565 x 317 mm
Net weight with stand	13.25 kg
Net weight w/o stand	8.25 kg
Net weight packaged	19.61 kg (without optional accessories)
Tilt	-10° to +30°
Swivel	-45° to +45°
Pivot	0° to 90°
Height adjustment range	100 mm

PRODUCT SPECIFICATIONS	CORONIS 5MP LED (MDCG-5221)
Mounting standard	VESA (100 mm)
Screen protection	Protective, anti-reflective glass cover
Recommended modalities	All digital images, including digital mammography
Certifications	FDA 510(K) K133984 for General Radiology CE1639 (MDD 93/42/EEC; A1:2007/47/EC class IIb product) CCC (China), KC (Korea), PSE (Japan), BIS (India), EAC (Russia, Kazakhstan, Belarus, Armenia and Kyrgyzstan) Safety specific: IEC 60950-1:2005 + A1:2009 EN 60950-1:2006 + A1:2010 + A11:2009 + A12:2011 + A2:2013 IEC 60601-1:2005 + A1:2012 EN 60601-1:2006 + A1:2013 + A12:2014 ANSI/AAMI ES 60601-1:2005 + R1:2012 CAN/CSA C22.2 No. 60601-1:14 EMI specific: IEC 60601-1-2:2014 (ed4) EN 60601-1-2:2015 (ed4) FCC part 15 Class B ICES-001 Level B VCCI (Japan) Environmental: China Energy Label, EU RoHS, China RoHS, REACH, Canada Health, WEEE, Packaging Directive
Supplied accessories	User guide Documentation disc System disc Video cable (1 x DisplayPort) USB 2.0 cable Mains cables (UK, European (CEBEC/KEMA), USA (UL/CSA; adaptor plug NEMA5-15P), Chinese (CCC)) External power supply
Optional accessories	Graphics board
QA software	MediCal QAWeb
Warranty	5 years, including 45000 hrs backlight warranty
Operating temperature	0 °C to 40 °C (15 °C to 30 °C within specs)
Storage temperature	-20 °C to 60 °C
Operating humidity	8% to 80% (non-condensing)
Storage humidity	5% to 85% (non-condensing)
Operating pressure	50 kPa minimum
Storage pressure	50 to 106 kPa

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