

# Coronis 5MP LED (MDCG-5221)

5MP premium diagnostic grayscale display system



- **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.

### Unrivalled brightness

Coronis 5MP LED offers a high calibrated luminance – 600 cd/m<sup>2</sup> – 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 QAWeb Enterprise for automated calibration and QA, ensuring continuous diagnostic quality and maximum uptime of your workstation. QAWeb Enterprise 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.
- 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 Enterprise: the innovative QAWeb Enterprise 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.

**TECHNISCHE SPECIFICATIES****CORONIS 5MP LED (MDCG-5221)**

Schermt technologie	Dual domain IPS, Normally Black
Actief schermformaat (diagonaal)	541 mm (21.3")
Formaat actief scherm (H x V)	459.8 x 375.3 mm (18.1" x 14.77")
Beeldverhouding (H:V)	5:4
Resolutie	5 MP (2560 x 2048 pixels)
Pixelpitch	0.165 mm
Grijsbeeldvorming	Yes
Bit depth	10 bit
Kijkhoek (H, V)	176°
Uniformity correction	PPU
I-Luminate	Yes
Voorgeprogrammeerde instellingen voor omgevingslicht	Yes, reading room selection
Ambient light sensor	Yes
Voorsensor	Yes
Maximale luminantie	1200 cd/m <sup>2</sup>
DICOM-gekalibreerde luminescentie	600 cd/m <sup>2</sup>
Contrastverhouding (paneel standaard)	1200:1
Reactietijd ((stijgtijd + valtijd)/2) (standaard)	12.5 ms
Kleur behuizing	RAL 9003 / RAL 9004
Video-ingangssignalen	DVI DisplayPort
USB-poorten	1x USB 2.0 upstream (endpoint) 3x USB 2.0 downstream
Power rating	24 VDC, 4 A; 5 VDC, 0.5 A
Voedingsvereisten	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
Energieverbruik	46 W (nominal) < 0.5 W (hibernate) < 0.5 W (standby)
Afmetingen met standaard (B x H x D)	Portrait: 407 x 523~623 x 235 mm Landscape: 493.5 x 479~579 x 235 mm
Afmetingen zonder standaard (B x H x D)	407 x 494 x 84 mm
Afmetingen verpakt (B x H x D)	676 x 565 x 317 mm
Nettogewicht met standaard	13.25 kg
Nettogewicht zonder standaard	8.25 kg
Nettogewicht verpakt	19.61 kg (without optional accessories)
Kanteling	-10° to +30°
Zwenking	-45° to +45°
Roteren	0° to 90°

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Hoogteregelbereik	100 mm
Montagestandaard	VESA (100 mm)
Bescherming van het scherm	Protective, anti-reflective glass cover
Aanbevolen procedures	All digital images, including digital mammography
Certificeringen	<p>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)</p> <p>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</p> <p>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)</p> <p>Environmental: China Energy Label, EU RoHS, China RoHS, REACH, Canada Health, WEEE, Packaging Directive</p>
Meegeleverde accessoires	<p>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</p>
Optionele accessoires	Graphics board
Software voor kwaliteitsgarantie	MediCal QAWeb
Garantie	5 years, including 45000 hrs backlight warranty
Bedrijfstemperatuur	0 °C to 40 °C (15 °C to 30 °C within specs)
Opslagtemperatuur	-20 °C to 60 °C
Vochtigheid in bedrijf	8% to 80% (non-condensing)
Vochtigheid bij opslag	5% to 85% (non-condensing)
Bedrijfsdruk	50 kPa minimum
Opslagdruk	50 to 106 kPa

Last updated: 06 Jul 2022

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