

# 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/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, 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)**

|  |   |
|--|---|
| <b>Screen technology</b>                     | a-si TFT active matrix dual domain IPS  |
| <b>Active screen size (diagonal)</b>         | 540 mm (21.3")  |
| <b>Active screen size (H x V)</b>            | 422.4 mm x 337.9 mm (16.5 x 13.3")  |
| <b>Aspect ratio (H:V)</b>                    | 5:4   |
| <b>Resolution</b>                            | 5MP (2560 x 2048)   |
| <b>Pixel pitch</b>                           | 0.1650 mm   |
| <b>Color imaging</b>                         | No  |
| <b>Gray imaging</b>                          | Yes   |
| <b>Number of grayscales (LUT in/LUT out)</b> | 1024 gray levels (10/12)  |
| <b>Viewing angle (H, V)</b>                  | 170°  |
| <b>Per Pixel Uniformity (PPU)</b>            | Yes   |
| <b>Ambient Light Compensation (ALC)</b>      | Yes   |
| <b>Backlight Output Stabilization (BLOS)</b> | Yes   |
| <b>I-Guard</b>                               | Yes   |
| <b>Maximum luminance</b>                     | 1200 cd/m <sup>2</sup> typical  |
| <b>DICOM calibrated luminance</b>            | 600 cd/m <sup>2</sup>   |
| <b>Contrast ratio</b>                        | 1200:1 typical  |
| <b>Response time (Tr + Tf)</b>               | 25 ms typical   |
| <b>Video input signals</b>                   | DVI-D Dual Link / DisplayPort   |
| <b>USB ports</b>                             | 1 upstream, 2 downstream  |
| <b>USB standard</b>                          | 2.0   |
| <b>Power consumption (nominal)</b>           | 46W   |
| <b>Power save mode</b>                       | Yes   |
| <b>Dimensions with stand (W x H x D)</b>     | Portrait: 407 x 523~623 x 235 mm<br>Landscape: 493.5 x 479~579 x 235 mm   |
| <b>Dimensions w/o stand (W x H x D)</b>      | 407 x 493.5 x 84 mm   |
| <b>Net weight with stand</b>                 | 13.6 kg   |
| <b>Mounting standard</b>                     | VESA (100 mm)   |
| <b>Screen protection</b>                     | Protective, non-reflective glass cover  |
| <b>Recommended modalities</b>                | CT, MR, US, DR, CR, NM, Film  |
| <b>Certifications</b>                        | 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 |
| <b>Supplied accessories</b>                  | User Guide<br>Quick-Installation Sheet<br>Video cables (1 x DVI Dual Link + 1 x DisplayPort)<br>Main cables (UK, European (CEBEC/KEMA), USA (UL/CSA; adaptor plug NEMA 5-15P), Chinese (CCC))<br>USB 2.0 cable<br>External power supply   |
| <b>Optional accessories</b>                  | None  |
| <b>QA software</b>                           | MediCal QAWeb   |
| <b>Warranty</b>                              | 5 years   |

Last updated: 03 sep 2015  
Technical specifications are subject to change without prior notice.  
Please check [www.barco.com](http://www.barco.com) for the latest information.