

# Coronis 2MP (MDCG-2121)

2 MegaPixel premium diagnostic grayscale display system



Coronis 2MP is a high-grade grayscale display system with a resolution of 1600x1200. The system provides a dedicated imaging solution for PACS, CT, MRI, angiography, ultrasound and orthopedic applications.

## Grayscale technology perfected

Building on proven technology, Barco's Coronis 2MP provides ultimate precision and performance. The advanced 10-bit architecture ensures accurate image representations with 1024 simultaneous shades of gray out of a palette of 4096.

## Transparent calibration and Quality Assurance

The Coronis 2MP 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 diagnoses while automated QA checks are being executed. The system also includes a secure online web service for remote, centralized image quality management.

**BARCO**

Visibly yours

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### **Worry-free DICOM compliance under all lighting conditions**

The integrated **I-Guard** continually guards and adjusts the luminance output of the diagnostic viewing area. Combined with the MediCal QAWeb software, the patented I-Guard brings fast and easy calibrations, automatic Quality Assurance testing and remote diagnoses of the display.

The intelligent **Ambient Light Compensation (ALC)** system assures that the Coronis 2MP remains DICOM compliant under all lighting conditions by adapting their brightness relative to the ambient light conditions.

### **The Coronis 2MP display system includes:**

- A 2 MegaPixel flat panel display
- MediCal QAWeb software for automated calibration and Quality Assurance
- A high-speed, high-performance display controller: check the compatibility matrix

**Product specifications****Coronis 2MP (MDCG-2121)**

<b>Screen technology</b>	TFT AM LCD Dual Domain IPS
<b>Active screen size (diagonal)</b>	541 mm (21.3")
<b>Active screen size (H x V)</b>	432 x 324 mm (17.0 x 12.8")
<b>Aspect ratio (H:V)</b>	4:3
<b>Resolution</b>	2MP (1600 x 1200)
<b>Pixel pitch</b>	0.2700 mm
<b>Color imaging</b>	No
<b>Gray imaging</b>	Yes
<b>Number of grayscales (LUT in/LUT out)</b>	1024 grey levels (10/12)
<b>Viewing angle (H, V)</b>	170°
<b>Uniform Luminance Technology (ULT)</b>	Yes
<b>Per Pixel Uniformity (PPU)</b>	No
<b>Ambient Light Compensation (ALC)</b>	Yes
<b>Backlight Output Stabilization (BLOS)</b>	Yes
<b>I-Guard</b>	Yes
<b>Maximum luminance</b>	1650 cd/m <sup>2</sup>
<b>DICOM calibrated luminance (ULT off)</b>	500 cd/m <sup>2</sup>
<b>Contrast ratio (ULT off)</b>	850:1
<b>Response time (Tr + Tf)</b>	23 ms
<b>Video input signals</b>	DVI-D Dual Link
<b>USB ports</b>	1 upstream (endpoint), 3 downstream
<b>USB standard</b>	2.0
<b>Power consumption (nominal)</b>	54W
<b>Power save mode</b>	Yes
<b>Dimensions with stand (W x H x D)</b>	Portrait: 369 x 558~658 x 285 mm Landscape: 477 x 504~604 x 285 mm
<b>Dimensions w/o stand (W x H x D)</b>	Portrait: 369 x 477 x 100 mm Landscape: 477 x 369 x 100 mm
<b>Net weight with stand</b>	14.6 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>	UL 60601-1 1ST EDITION, CAN/CSA-C22.2 NO. 601.1-M90, UL 60950-1 1ST EDITION, CSA C22.2 NO. 60950-1-03 1ST EDITION, IEC 60601-1 2ND ED:1988 + A1:1991 + A2:1995, IEC 60950-1:2001 1ST EDITION, CE - 89/336/EEC, CE - 93/42/EEC, DEMKO - EN 60601-1, CCC - GB9254-2008 + GB4943-2001 + GB17625.1-2003, KCC, VCCI, FCC class B, FDA 510K, RoHS
<b>Supplied accessories</b>	Getting Started Guide Quick-Installation Sheet Video cable (DVI Dual Link) Main cables (UK, European (CEBEC/KEMA), USA (UL/CSA; adaptor plug NEMA 5-15P), Chinese (CCC)) USB 2.0 cable External power supply
<b>Optional accessories</b>	Barco Diagnostic Medical LCD Display Dual Head Stand
<b>QA software</b>	MediCal QAWeb
<b>Warranty</b>	5 years