Coronis 5MP (MDCG-5121)

5 MegaPixel premium diagnostic grayscale display system

5 MP · **21" SCREEN** · **GRAY** · **I-GUARD** · **QAWeb** · **GLASS** · **PIVOT** · **5Y WARRANTY** · **ULT** · **ALC** · **10 BIT**

The high-grade Coronis 5MP display system offers unsurpassed film-like images with ultra-high resolution, luminance and contrast . The 21.3" LCD provides unequaled image quality without pixelization, a wide viewing angle and perfect geometry.

Grayscale technology perfected
Building on proven technology, Barco's Coronis 5MP 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 5MP 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.

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 5MP remains DICOM compliant under all lighting conditions by adapting their brightness relative to the ambient light conditions.

Technical specifications

Screen technology	TFT AM LCD Dual Domain IPS
Active screen size (diagonal)	540.9 mm (21.3")
Active screen size (H x V)	422.4 mm x 377.9 (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°
Uniform Luminance Technology (ULT)	Yes
Per Pixel Uniformity (PPU)	No
Ambient Light Compensation (ALC)	Yes
Backlight Output Stabilization (BLOS)	Yes
I-Guard	Yes
Maximum luminance	1100 cd/m² (panel typical)
DICOM calibrated luminance (ULT off)	500 cd/m²
Contrast ratio (ULT off)	850:1 (typical)
Response time (Tr + Tf)	36 ms (typical)
Video input signals	DVI-D Dual Link / DisplayPort (per display)
USB ports	1 upstream (endpoint), 3 downstream
USB standard	2.0
Power consumption (nominal)	70W
Power save mode	Yes
Dimensions with stand (W x H x D)	Portrait: 392 x 558,2~658,2 x 110,2mm Landscape: 484,7 x 465,5~565,5 x 110,2 mm
Dimensions w/o stand (W x H x D)	Portrait: 392 x 484.7 x 110.2 mm Landscape: 484.7 x 392 x 110.2 mm
Net weight with stand	15.3 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 class IIb product), CE -2004/108/EC, CE - 93/42/EEC; A1:2007/47/EC classII b, UL 60601-1 1ST EDITION, CAN/CSA-C22.2 NO.601.1-M90 2005, IEC 60601-1 2ND ED:1988 + A1:1991+ A2:1995, IEC 60950-1:2005 2ND EDITION, DEMKO -EN 60601-1:1990 + A1:1993 + A2:1995, CCC - GB9254-2008 + GB4943-2001 + GB17625.1-2003, VCCI, FCCclass B, BSMI, FDA 510K, RoHS, KC
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	NA
QA software	MediCal QAWeb

Warranty	5 years

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