Coronis Color 2MP (MDCC-2121)

2 MegaPixel premium diagnostic color display system

Coronis Color 2MP is a flexible color display system with a resolution of 1600x1200 for accurate diagnosis in a variety of medical applications. Typical application areas include PACS imaging, color ultrasound, 3D visualization, orthopedic imaging, cardiology, nuclear medicine, PET-CT fusion, etc.

Unmatched color accuracy
With the dedicated Coronis Color 2MP display system, Barco brings diagnostic confidence and dependable performance to the visualization of color-enhanced modalities. The versatile Coronis Color 2MP is a multi-modality display system that complies with the industry's most stringent medical approvals. It presents radiologists with an effective visualization solution for a broad range of color applications.

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

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 Color 2MP remains DICOM compliant under all lighting conditions by adapting their brightness relative to the ambient light conditions.

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Technical specifications

Screen technology	TFT AM Color LCD Dual Domain IPS-Pro
Active screen size (diagonal)	541 mm (21.3")
Active screen size (H x V)	432 x 324 mm (17.0 x 12.8")
Aspect ratio (H:V)	4:3
Resolution	2MP (1600 x 1200)
Pixel pitch	0.2700 mm
Color imaging	Yes
Gray imaging	No
Color support	30 bit
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	700 cd/m²
DICOM calibrated luminance (ULT off)	300 cd/m²
Contrast ratio (ULT off)	1100:1
Response time (Tr + Tf)	17 ms
Video input signals	DVI-D Dual Link
USB ports	1 upstream (endpoint), 3 downstream
USB standard	2.0
Power consumption (nominal)	54W
Power save mode	Yes
Dimensions with stand (W x H x D)	Portrait: 381 x 567~667 x 285 mm Landscape: 449 x 513~613 x 285 mm
Dimensions w/o stand (W x H x D)	Portrait: 381 x 489 x 99 mm Landscape: 489 x 381 x 99 mm
Net weight with stand	15.1 kg
Mounting standard	VESA (100 mm)
Screen protection	Protective, non-reflective glass cover
Recommended modalities	CT, MR, US, DR, CR, NM, Film
Certifications	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, ICES-001 level B, BSMI, KETI, VCCI, FCC class B, FDA 510K, RoHs
Supplied accessories	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
Optional accessories	Barco Diagnostic Medical LCD Display Dual Head Stand
QA software	MediCal QAWeb

Warranty	5 years

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