

Coronis Fusion 6MP LED (MDCC-6230)

6MP diagnostic color display system with LED backlights



Coronis Fusion 6MP LED can be used as two seamless 3MP heads or one wide-screen 6MP display. Addressing the needs of both grayscale and color imaging, the Coronis Fusion 6MP allows you to read CT, MR, cath and echo cardiogram images, or any other combination, side by side on a single diagnostic screen. **More shades of gray**
Equipped with high-bright LED backlights, Barco's Coronis Fusion 6MP renders more JNDs (Just Noticeable Differences) to help you see more shades of gray. Subtle details become more noticeable more quickly, significantly reducing windowing and leveling time.

Uniform brightness

ULT-LED removes panel noise and renders uniform DICOM images from center to corner. With I-MST (Intelligent Multi Sensor Technology), front-of-screen, backlight, ambient light and temperature sensors work together seamlessly to optimize image quality and to keep it consistent over time.

Small footprint, long lifetime

Using power-efficient backlights, Barco's 6MP diagnostic display system is as low in power consumption as it is high in brightness. Additionally, Barco's LED backlights are mercury-free, produce less heat, and last longer, providing a high return on your investment.

This display system includes:

- A 6MP color flat panel display
- MediCal QAWeb software for automated calibration and Quality Assurance
- A high-speed, high-performance display controller

Coronis Fusion 6MP LED will be commercially available in North America by summer 2013.

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Technical specifications

Screen technology	TFT AM Color LCD Dual Domain IPS-Pro
Backlight	LED
Active screen size (diagonal)	772 mm (30.4")
Active screen size (H x V)	654 x 409 mm (25.8 x 16.1")
Aspect ratio (H:V)	16:10
Resolution	native 6MP (3280 x 2048) configurable to 2 x 3MP+ (1640 X 2048) configurable to 2 x 3MP (1536 X 2048)
Pixel pitch	0.1995 mm
Color imaging	Yes
Gray imaging	Yes
Color support	30 bit
Viewing angle (H, V)	178°
Uniform Luminance Technology (ULT-LED)	Yes
Per Pixel Uniformity (PPU-LED)	No
Ambient Light Compensation (ALC)	Yes
I-Guard	Yes
Maximum luminance	720 cd/m ²
DICOM calibrated luminance (ULT off)	500 cd/m ²
Contrast ratio (dark reading room, typical)	1000:1
Response time (Tr + Tf)	18 ms
Video input signals	DVI-D Dual Link (2x), DisplayPort (2x)
USB ports	1 upstream (endpoint), 3 downstream
USB standard	2.0
Power consumption (nominal)	125W
Power save mode	Yes
Dimensions with stand (W x H x D)	Portrait: NA Landscape: 731 x 580~676 x 265 mm
Dimensions w/o stand (W x H x D)	Portrait: NA Landscape: 731 x 485 x 141 mm
I-Luminate button	No
RapidFrame technology	No
Net weight with stand	26.5 kg
Mounting standard	VESA (100 mm)
Screen protection	Protective, non-reflective glass cover
Recommended modalities	CT, MR, US, DR, CR, NM, Film
Certifications	IEC 60601-1:2005 3RD EDITION ; ANSI/AAMI ES60601-1:2005 + C1:2009 + A2:2010 ; CAN/CSA-C22.2 No. 60601-1:2008 ; IEC 60950-1:2001 1ST EDITION ; DEMKO - EN 60601-1:2006 ; CCC - GB9254-2008 + GB4943-2001 ; KC ; CE 93/42/EEC amended by CE 2007/47/EC ; CE 2004/108/EC ; FCC class B ; ICES-001 level B ; VCCI class B ; MDD class IIb ; FDA 510(k) ; RoHS

Supplied accessories	Getting Started Guide Quick-Installation Sheet Video cables (2 x DVI Dual Link, 2 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