

# Coronis Fusion 4MP (MDCC-4230)

4MP diagnostic color display system



The first-ever Fusion display on the market and already in its 4th generation. That's Coronis Fusion 4MP. This multi-modality diagnostic display system comes with clever image-enhancing features, boosting productivity and viewing ergonomics.

## Redesigned to push productivity

Coronis Fusion 4MP features the latest exclusive IPS-Pro LCD technology, bringing perfect images under any viewing angle to ensure a screen area that is 100% ACR compliant. It also offers uniformity correction on the pixel level (PPU) to eliminate screen noise. Add to this the brighter calibrated luminance, and you'll be able to see subtle details quicker, requiring less zooming and panning when reading images.

To further boost productivity, Coronis Fusion 4MP comes with some of Barco's unique productivity tools. With stunning SpotView™ technology, you can focus the light on lesions or abnormalities that require extra attention. And DimView™ automatically dims the auxiliary displays used for patient worklists or dictation, so you can keep your focus on the details that really matter.

## A pleasure for your eyes

The latest design is smarter and lighter to match the ergonomics of your reading room and to allow for easy display manipulation. What's more, reflection of the front glass has been further reduced, which is exactly how Coronis Fusion 4MP helps reduce eye strain.

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.

### **A one-stop-shop solution**

Barco medical displays include proprietary display controllers that are validated with the latest workstations and with all major PACS applications. They also include seamlessly integrated technologies and features to boost functionality and performance.

Like all of Barco's medical display systems, Coronis Fusion 4MP comes with MediCal QAWeb, a cloud-based technology for automated calibration and Quality Assurance to ensure maximum uptime of the display.

**Product specifications****CORONIS FUSION 4MP (MDCC-4230)****General specifications**

Screen technology	TFT AM Color LCD Dual Domain IPS-Pro
Active screen size (diagonal)	756 mm (29.8")
Active screen size (H x V)	641 x 401 mm (25.2 x 15.8")
Aspect ratio (H:V)	16:10
Resolution	Native 4MP (2560 x 1600) Configurable to 2 x 2MP+ (1280 X 1600) Configurable to 2 x 2MP (1200 X 1600)
Pixel pitch	0.2505 mm
Color imaging	Yes
Gray imaging	Yes
Color support	30 bit
Viewing angle (H, V)	178°
Uniformity Technology	Yes
Per Pixel Uniformity (PPU-LED)	Yes (color PPU)
Ambient Light Compensation (ALC)	Yes
Backlight Output Stabilization (BLOS)	Yes (2x)
I-Guard	Yes
Maximum luminance	750 cd/m <sup>2</sup>
DICOM calibrated luminance (ULT off)	500 cd/m <sup>2</sup>
Contrast ratio (dark reading room, typical)	1200:1 (panel typical)
Response time (Tr + Tf)	20 ms
Housing color	Black / silver
Video input signals	DVI-D Dual Link (2x), DisplayPort (2x)
Video inout terminals	NA
USB ports	1 upstream (endpoint), 3 downstream
USB standard	2.0
Power requirements (nominal)	100-240V
Power consumption (nominal)	105W
Power save mode	Yes
Power management	DVI-DMPM, DP-DMPM
OSD languages	English, German, French, Dutch, Spanish, Italian, Portuguese, Polish, Russian, Swedish, Chinese (simplified), Japanese, Korean, Arabic
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

**Product specifications****CORONIS FUSION 4MP (MDCC-4230)**

Dimensions packaged (W x H x D)	869 x 764 x 400 mm
Net weight with stand	21.5 kg
Net weight w/o stand	15 kg
Net weight packaged with stand	30.5 kg
Net weight packaged w/o stand	NA
Height adjustment range	95 mm
Tilt	-5° / +25°
Swivel	-45° / +45°
Pivot	NA
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; A1:2007/47/EC class IIb product), CE -2004/108/EC, IEC 60950-1:2005 + A1:2009, EN 60950-1:2006 + A1:2010 + A11:2009 + A12:2011 + A2:2013, IEC 60601-1:2005, ANSI/AAMI ES 60601-1:2005 + C1:2009 + A2:2010, CAN/CSA C22.2 No. 60601-1 (2008), EN 60601-1:2006 + A11:2011, EN 60601-1-2:2007, CCC -GB9254-2008 + GB4943.1-2011 + GB17625.1-2012, KCC, VCCI, FCC class B, ICES-001 Level B, FDA 510(k), RoHS
Supplied accessories	User Guide Quick Install Sheet Video cables (2 x DVI Dual Link, 2 x DisplayPort) Mains cables (UK, European (CEBEC/KEMA), USA (UL/CSA; adaptor plug NEMA 5-15P), Chinese (CCC)) Documentation CD System CD USB 2.0 cable External power supply
Optional accessories	None
QA software	MediCal QAWeb
Units per pallet	NA
Pallet dimensions (W x H)	NA
Warranty	5 years
Operating temperature	0°C to 35°C (15°C to 30°C within specs)
Storage temperature	-20°C to 60°C
Operating humidity	8% -80% (non-condensing)
Storage humidity	5% -95% (non-condensing)
Operating altitude	3000 m

Last updated: 08 Jul 2024

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