Coronis Fusion 4MP (MDCC-4330)

4MP multimodality diagnostic display system





- **Color fusion display for flexible multimodality imaging**
- **With toolset to boost productivity**
- **Automated QA and calibration**

A pleasure for your eyes

Coronis Fusion 4MP features an exclusive LCD panel with the latest IPS technology, offering best-in-class image quality. Its high brightness and high contrast ratio help unveil the subtlest of details so you can make the most accurate diagnosis. Its large 30" screen real estate, wide aspect ratio, and full ACR compliance make this display the perfect fit for diagnostic imaging.

Boost your productivity

Coronis Fusion 4MP comes with smart features that enhance control and productivity. Unique SpotViewTM technology allows you to boost the luminance in a region of interest while dimming the surrounding image area so you can focus on more details more efficiently.

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 with no need for human intervention.

Designed with ergonomics in mind

With Barco's Coronis Fusion 4MP, switching between workstations becomes a thing of the past. Especially designed for multimodality imaging, this diagnostic display combines CT, MR, orthopedic images, or any other combination on a single screen – for an uninterrupted workflow. You can use the single-head workstation as two bezel-free heads or as one wide-screen workspace. The choice is yours.

Its widescreen, ergonomic form factor, wide viewing angle, and DimViewTM feature (to automatically dim auxiliary displays) have been designed for the way you work and help you focus on the smallest image details.

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. All components are under the full 5-year warranty (including the display backlight) for complete peace of mind.

PRODUCT SPECIFICATIONS	CORONIS FUSION 4MP (MDCC-4330)
Screen technology	IPS-TFT color LCD
Active screen size (diagonal)	773 mm (30.4")
Active screen size (H x V)	655 x 410 mm (25.8 x 16.1")
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	0.256 mm
Color imaging	Yes
Gray imaging	Yes
Bit depth	30 bit
Viewing angle (H, V)	178°
Uniformity Technology	Color PPU
Ambient Light Compensation (ALC)	Yes, reading room selection
Ambient light sensor	Yes
Backlight Output Stabilization (BLOS)	Yes (2x)
Front sensor	I-Guard
Maximum luminance (panel typical)	1050 cd/m^2
DICOM calibrated luminance	600 cd/m^2
Contrast ratio (panel typical)	1500:1
Response time (Tr + Tf) (typical)	18 ms
Housing color	Black/Silver
Video input signals	DVI-D Dual Link (2x), DisplayPort (2x)
USB ports	1x USB 2.0 upstream (endpoint) 3x USB 2.0 downstream
Power requirements	External power supply (100-240 Vac, 50-60 Hz)
Power consumption	100 W (nominal) @ calibrated luminance of 600 cd/m^2 64 W (nominal) @ calibrated luminance of 400 cd/m^2 < 0.5 W (standby)
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: N/A Landscape: 731 x 528~628 x 259 mm
Dimensions w/o stand (W x H x D)	Portrait: N/A Landscape: 731 x 485 x 140 mm
Dimensions packaged (W x H x D)	800 x 700 x 300 mm
Net weight with stand	20.5 kg
Net weight w/o stand	14 kg
Net weight packaged	27.5 kg (without accessories)
Tilt	-5° to +25°
Swivel	-30° to +30°
Pivot	N/A
Height adjustment range	100 mm
Mounting standard	VESA (100 mm)

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Screen protection	Protective, anti-reflective glass cover
Recommended modalities	All digital images, except digital mammography
Certifications	FDA 510(K) K143157 for General Radiology CE1639 (MDD 93/42/EEC; A1:2007/47/EC class IIb product) CCC (China), KC (Korea), PSE (Japan), Inmetro (Brazil), BIS (India), EAC (Russia,Kazakhstan, Belarus, Armenia and Kyrgyzstan) Safety specific: IEC 60950-1:2005 + A1:2009 EN 60950-1:2006 + A1:2010 + A11:2009 + A12:2011 + A2:2013 IEC 60601-1:2005 + A1:2012 EN 60601-1:2006 + A1:2013 + A12:2014 ANSI/AAMI ES 60601-1:2005 + R1:2012 CAN/CSA C22.2 No. 60601-1:14 EMI specific: IEC 60601-1-2:2014 (ed4) EN 60601-1-2:2015 (ed4) FCC part 15 Class B ICES-001 Level B VCCI (Japan) Environmental: China Energy Label, EU RoHS, China RoHS, REACH, Canada Health, WEEE, Packaging Directive
Supplied accessories	User Guide Quick Install Sheet Documentation disc System disc Video cables Mains cables (UK, European (CEBEC/KEMA), USA (UL/ CSA; adaptor plug NEMA 5-15P), Chinese (CCC)) USB cable External power supply
Optional accessories	Graphics board Touch pad
QA software	MediCal QAWeb
Warranty	5 years, including 40000 hrs backlight warranty
Operating temperature	0 °C to 35 °C (15 °C to 30 °C within specs)
Storage temperature	-20°C to 60°C
Operating humidity	8% to 80% (non-condensing)
Storage humidity	5% to 85% (non-condensing)
Operating pressure	70 kPa minimum
Storage pressure	50 to 106 kPa

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Last updated: 09 Apr 2019

Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.