Coronis Fusion 6MP LED (MDCC-6330)

6MP diagnostic color display system

The first-ever Fusion display on the market and already in its 4th generation. That's Coronis Fusion 6MP. This multi-modality diagnostic display system comes with clever image-enhancing features, boosting productivity and viewing ergonomics.

Redesigned to push productivity

Coronis Fusion 6MP 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 6MP comes with some of Barco's unique productivity tools. With stunning SpotView^{TM} technology, you can focus the light on lesions or abnormalities that require extra attention. And DimView^{TM} automatically dims the auxiliary displays used for patient worklists or dictation, so you can keep your focus on the details that really matter.

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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 6MP 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.

Proven performance

Proven to increase productivity by up to 19% compared to a dual-head 3MP set-up (see Montefiore study) and lauded with the Frost and Sullivan product line strategy award, Coronis Fusion 6MP has become Barco's flagship product, with thousands of units installed in over 70 countries worldwide.

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 6MP 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 6MP LED (MDCC-6330)
Screen technology	TFT AM Color LCD Dual Domain IPS-Pro
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)	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	720 cd/m²
DICOM calibrated luminance (ULT off)	500 cd/m²
Contrast ratio (dark reading room, typical)	1000:1 (panel typical)
Response time (Tr + Tf)	18 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)	100W
Power save mode	Yes (less than 0.5W)
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: 730 x 580~675 x 261 mm
Dimensions w/o stand (W x H x D)	Portrait: NA Landscape: 730 x 485 x 125 mm
Dimensions packaged (W x H x D)	860 x 760 x 390 mm
Net weight with stand	20.5 kg
Net weight w/o stand	14 kg
Net weight packaged with stand	29.5 kg
Net weight packaged w/o stand	NA
Height adjustment range	96 mm
Tilt	-5° / +25°
Swivel	-30° / +30°

Product specifications	Coronis Fusion 6MP LED (MDCC-6330)
Pivot	NA
Mounting standard	VESA (100 mm)
Screen protection	Protective, non-reflective glass cover
Recommended modalities	CT, MR, US, DR, CR, NM, PET
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 Documentation CD System CD 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)) USB 2.0 cable External power supply
Optional accessories	Graphics board
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% - 93% (non-condensing)
Operating altitude	3000 m

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