Coronis Fusion 4MP (MDCC-4430)

4MP multimodality diagnostic display system

5Y WARRANTY	TOUCHPAD	SOFTGLOW	WIDE GAMUT
STEADY GRAY	ALC	STEADYCOLOR	GLASS COVER
QAWEB	I-GUARD	COLOR PPU	SPOTVIEW
LED TECHNOLOGY	FUSION	30" SCREEN	4 MP

- **Color fusion display for flexible multimodality imaging**

- **With toolset to boost productivity**

- **Automated QA and calibration**

A brighter diagnosis

Coronis Fusion, Barco's renowned multi-modality display for radiologists, now comes in a new, energy-efficient and lightweight design. Bright on so many levels, Coronis Fusion has been designed to help radiologists provide care with confidence.

See more details quickly thanks to the high brightness, high contrast ratio and best-in-class image quality. What's more, the wide color gamut in combination with SteadyColor™ calibration technology helps you see even more colors and more details on the 30-inch screen.

Smart workflow

Designed for your comfort and to boost productivity, Coronis Fusion comes with smart image-enhancing features and clinical workflow tools. The display's wide viewing angle combined with the SoftGlow™ task and wall light help reduce eye strain. Thanks to SpotView™, a proven clinical tool, radiologists can further improve detection accuracy as well as reading productivity.

Effortless quality & compliance

Like all of Barco's medical display systems, Coronis Fusion comes with QAWeb, a cloud-based technology for automated calibration, Quality Assurance and compliance to ensure maximum uptime of the display with no need for human intervention.

A one-stop-shop solution

Barco medical display systems include exclusive 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.

BARCO

PRODUCT SPECIFICATIONS	CORONIS FUSION 4MP (MDCC-4430)
Screen technology	IPS
Active screen size (diagonal)	772 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 pixels) Configurable to 2 x 2MP+ (1280 x 1600 pixels) Configurable to 2 x 2MP (1200 x 1600 pixels)
Pixel pitch	0.256 mm
Color imaging	Yes
Gray imaging	Yes
Bit depth	30 bit
Viewing angle (H, V)	178°
Uniformity correction	Color PPU
SteadyColor Calibration	Yes, when used as system with MXRT-x600 display controller, using Barco driver 10.171.1.0 or later and with QAWeb Enterprise 2.2 or later.
SoftGlow Ambient Lighting	Yes
Ambient light presets	Yes, reading room selection
Ambient light sensor	Yes
Front sensor	Yes, I-Guard
Maximum luminance (panel typical)	1050 cd/m²
DICOM calibrated luminance	600 cd/m²
Contrast ratio (panel typical)	2000:1
Response time ((Tr + Tf)/2) (typical)	18 ms
Housing color	Black / White
Video input signals	2x DisplayPort 1.2
Video output signals	1x DisplayPort (MST)
USB ports	1x USB 2.0 upstream (endpoint) 2x USB 2.0 downstream 1x USB 2.0 downstream with high-power charging functionality
Power rating	100-240 Vac, 50/60 Hz, 3.6-1.6 A
Power consumption	75 W (nominal) @ calibrated luminance of 600 cd/m² < 0.5 W (hibernate) < 0.5 W (standby)
Dimensions with stand (W x H x D)	714 x 524~624 x 240 mm
Dimensions w/o stand (W x H x D)	714 x 478 x 74 mm
Dimensions packaged (W x H x D)	800 x 650 x 290 mm
Net weight with stand	▪ MDCC-4430: 17.7 kg ▪ MDCC-4430 NC: 16.3 kg
Net weight w/o stand	▪ MDCC-4430: 13.1 kg ▪ MDCC-4430 NC: 11.7 kg
Net weight packaged	▪ MDCC-4430: 22.3 kg (without optional accessories) ▪ MDCC-4430 NC: 20.9 kg (without optional accessories)
Tilt	-5° to +25°

PRODUCT SPECIFICATIONS	CORONIS FUSION 4MP (MDCC-4430)
Swivel	-30° to +30°
Pivot	N/A
Height adjustment range	100 mm
Mounting standard	VESA (100 mm)
Screen protection	Protective, anti-reflective glass cover
Recommended modalities	All digital images, except digital mammography
Certifications	FDA 510(k) K191845 for General Radiology CE1639 (MDD 93/42/EEC; A1:2007/47/EC class IIb product) CCC (China), KC (Korea), PSE (Japan), BIS (India), BMSI (Taiwan), EAC (Russia, Kazakhstan, Belarus, Armenia and Kyrgyzstan) Pending 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. 60601-1:2014 EMI specific: IEC 60601-1-2:2014 (ed.4) EN 60601-1-2:2015 (ed.4) FCC part 15 Class B ICES-001 Level B VCCI (Japan) Pending Environmental: China Energy Label, EU RoHS, China RoHS, REACH, Canada Health, WEEE, Packaging Directive
Supplied accessories	User guide Documentation disc System sheet Video cables Mains cables USB cable
Optional accessories	Display controller Touch pad
QA software	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	20% to 85% (non-condensing)
Storage humidity	20% to 85% (non-condensing)
Operating pressure	70 kPa minimum
Storage pressure	50 to 106 kPa

ENABLING BRIGHT OUTCOMES

BARCO