Coronis Fusion 4MP (MDCC-4430)

4MP multimodality diagnostic display system

DL	MULTI-SENSOR	5Y WARRANTY	TOUCHPAD
SOFTGLOW	WIDE GAMUT	STEADY GRAY	ALC
STEADYCOLOR	GLASS COVER	QAWEB	I-GUARD
SPOTVIEW	LED TECHNOLOGY	FUSION	30" SCREEN

- **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 workflow tools. The display's wide viewing angle combined with the SoftGlow™ task and wall light help reduce eye strain. Thanks to SpotView, 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 Enterprise, 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

Ensuring diagnostic confidence with MDR Class IIa

Our radiology displays are MDR-certified as Class IIa. Their product information has been reviewed and cleared by independent medical and technical experts, and is audited yearly. In other words, we ensure diagnostic confidence and peace of mind for our users.

Models

- MDCC-4430: includes protective, anti-reflective glass cover

- MDCC-4430 NC: without front cover

Product specifications   **CORONIS FUSION 4MP (MDCC-4430)**

General specifications

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	Yes, when used as system with MXRT-x600 display controller or later, using Barco MXRT driver 10.171.1.0 or later and with QAWeb Enterprise 2.2 or later.
Ambient light presets	Yes, reading room selection
Ambient light sensor	Yes
Front sensor	Yes, I-Guard (Coronis)
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 295 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°
Swivel	-30° to +30°
Pivot	N/A
Height adjustment range	100 mm
Mounting standard	VESA (100 mm)
Screen protection	MDCC-4430: Protective, anti-reflective glass cover MDCC-4430 NC: No glass cover
Recommended modalities	All digital images, except digital mammography

Product specifications	CORONIS FUSION 4MP (MDCC-4430)
Certifications	FDA 510(k) K191845
	CE0123 (Medical Device)
	CCC (China)
	INMETRO (Brazil -Product numbers K9301626B(1X), K9301628B(1X)
	KC (Korea)
	BIS (India)
	EAC (Russia, Kazakhstan, Belarus, Armenia and Kyrgyzstan)
	Safety specific:
	IEC 60950-1:2005 + A1:2009+A2:2013
	EN 60950-1:2006 + A1:2010 + A11:2009 + A12:2011 + A2:2013
	IEC 62368-1:2018
	EN IEC 62368-1:2020 + A11:2020
	IEC 60601-1:2005 + A1:2012+A2:2020
	EN 60601-1:2006 + A1:2013 + A12:2014+A2:2021
	AAMI ES 60601-1:2005 + A1:2012+A2:2021
	CAN/CSA C22.2 No. 60601-1:2014 (Reaffirmed 2022)
	EMI specific:
	IEC 60601-1-2:2014+A1:2020 (ed.4.1)
	EN 60601-1-2:2015+A1:2021 (ed.4.1)
	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
	Documentation disc
	System sheet
	Video cables
	Mains cables
	USB cable
Optional accessories	Graphics board
	Touch pad
QA software	QAWeb
Warranty	5 years, including 40000 hrs backlight warranty
Operating temperature	0 °C to 35 °C (10 °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

Last updated: 23 Oct 2024

www.barco.com

BARCO