

# Coronis Fusion 4MP (MDCC-4430)

4MP multimodality diagnostic display system



- **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.



### 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

Please consult your Barco representative or distributor in your country or territory to confirm availability. A reference to any product or service on this site does not imply that such product is or will be available in your location.

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

General specifications	
Scherntechnologie	IPS
Actief schermformaat (diagonaal)	772 mm (30.4")
Formaat actief scherm (H x V)	655 x 410 mm (25.8 x 16.1")
Beeldverhouding (H:V)	16:10
Resolutie	Native 4MP (2560 x 1600 pixels) Configurable to 2 x 2MP+ (1280 x 1600 pixels) Configurable to 2 x 2MP (1200 x 1600 pixels)
Pixelpitch	0.256 mm
Beeldkleur	Yes
Grijsbeeldvorming	Yes
Bit depth	30 bit
Kijkhoek (H, V)	178°
Uniformity correction	Color PPU
Steady Color	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.
Voorgeprogrammeerde instellingen voor omgevingslicht	Yes, reading room selection
Ambient light sensor	Yes
Voorsensor	Yes, I-Guard (Coronis)
Maximale luminantie (paneel standaard)	1050 cd/m <sup>2</sup>
DICOM-gekalibreerde luminescentie	600 cd/m <sup>2</sup>
Contrastverhouding (paneel standaard)	2000:1
Reactietijd ((stijgtijd + valtijd)/2) (standaard)	18 ms
Kleur behuizing	Black / White
Video-ingangssignalen	2x DisplayPort 1.2
Video-uitgangssignalen	1x DisplayPort (MST)
USB-poorten	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
Energieverbruik	75 W (nominal) @ calibrated luminance of 600 cd/m <sup>2</sup> < 0.5 W (hibernate) < 0.5 W (standby)
Afmetingen met standaard (B x H x D)	714 x 524~624 x 240 mm
Afmetingen zonder standaard (B x H x D)	714 x 478 x 74 mm
Afmetingen verpakt (B x H x D)	800 x 650 x 295 mm
Nettogewicht met standaard	MDCC-4430: 17.7 kg MDCC-4430 NC: 16.3 kg
Nettogewicht zonder standaard	MDCC-4430: 13.1 kg MDCC-4430 NC: 11.7 kg
Nettogewicht verpakt	MDCC-4430: 22.3 kg (without optional accessories) MDCC-4430 NC: 20.9 kg (without optional accessories)
Kanteling	-5° to +25°
Zwenking	-30° to +30°

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

Roteren	N/A
Hoogteregelsbereik	100 mm
Montagestandaard	VESA (100 mm)
Bescherming van het scherm	MDCC-4430: Protective, anti-reflective glass cover MDCC-4430 NC: No glass cover
Aanbevolen procedures	All digital images, except digital mammography
Certificeringen	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
Meegeleverde accessoires	User guide Documentation disc System sheet Video cables Mains cables USB cable
Optionele accessoires	Graphics board Touch pad
Software voor kwaliteitsgarantie	QAWeb
Garantie	5 years, including 40000 hrs backlight warranty
Bedrijfstemperatuur	0 °C to 35 °C (10 °C to 30 °C within specs)
Opslagtemperatuur	-20 °C to 60 °C
Vochtigheid in bedrijf	20% to 85% (non-condensing)
Vochtigheid bij opslag	20% to 85% (non-condensing)
Bedrijfsdruk	70 kPa minimum
Opslagdruk	50 to 106 kPa

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