

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

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

| | |
|--------------------------------------|--|
| Schermt technologie | IPS |
| Actieve schermgrootte (diagonaal) | 772 mm (30.4") |
| Actieve schermgrootte (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 |
| Kleurweergave | Yes |
| Grijsbeeld | Yes |
| Bitdiepte | 30 bit |
| Kijkhoek (H, V) | 178° |
| Uniformiteitscorrectie | 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. |
| Voorinstellingen voor omgevingslicht | Yes, reading room selection |
| Omgevingslichtsensor | Yes |
| Sensor vooraan | Yes, I-Guard (Coronis) |
| Maximale luminantie (typisch paneel) | 1050 cd/m ² |
| DICOM-gekalibreerde luminantie | 600 cd/m ² |
| Contrastverhouding (paneeltypisch) | 2000:1 |
| Reactietijd ((Tr + Tf)/2) (typisch) | 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 |
| Nominaal vermogen | 100-240 Vac, 50/60 Hz, 3.6-1.6 A |
| Energieverbruik | 75 W (nominal) @ calibrated luminance of 600 cd/m ² < 0.5 W (hibernate) < 0.5 W (standby) |
| Afmetingen incl. steun (B x H x D) | 714 x 524~624 x 240 mm |
| Afmetingen zonder steun (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 steun | 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) |
| Kantelen | -5° to +25° |
| Zwenking | -30° to +30° |
| Scharnieren | N/A |
| Bereik hoogteverstelling | 100 mm |
| Montage standaard | VESA (100 mm) |
| Schermbescherming | MDCC-4430: Protective, anti-reflective glass cover MDCC-4430 NC: No glass cover |
| Aanbevolen modaliteiten | All digital images, except digital mammography |

Product specificaties

CORONIS FUSION 4MP (MDCC-4430)

| | |
|--------------------------|---|
| 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 |
| QA-software | 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 |
| Luchtvochtigheid bedrijf | 20% to 85% (non-condensing) |
| Luchtvochtigheid opslag | 20% to 85% (non-condensing) |
| Bedrijfsdruk | 70 kPa minimum |
| Opslagdruk | 50 to 106 kPa |

Laatst bijgewerkt: 03 Feb 2025

© 2025 Barco nv. Alle rechten voorbehouden. Gehele of gedeeltelijke reproductie zonder schriftelijke toestemming is verboden. Alle merknamen en productnamen zijn handelsmerken, geregistreerde handelsmerken of handelsnamen van hun respectieve houders. Als gevolg van voortdurende innovatie kunnen informatie en technische specificaties zonder voorafgaande kennisgeving worden gewijzigd. Controleer www.barco.com voor de nieuwste specificaties.