

Coronis 3MP LED (MDCG-3221)

3MP premium diagnostic grayscale display system



- Grayscale display with 2048 x 1536 resolution
- Barco LED technology to unveil the subtlest details
- Intelligent Multi-Sensor Technology for incredible images

Coronis 3MP LED is the industry-leading display system for grayscale radiology imaging. It delivers optimum diagnostic precision and workflow efficiency for high-resolution PACS imaging, CT, MRI, chest radiology, angiography, etc.

50 more shades of gray

Barco's high-bright LED backlights render more Just Noticeable Differences to help you see more shades of gray. By making subtle details more noticeable more quickly, Coronis 3MP LED reduces windowing and leveling time so you can read your studies more efficiently.

Perfect images

Barco's image-enhancing technologies -designed for the unique characteristics of LED backlit medical displays -ensure perfect image quality at all times. PPU-LED reduces panel noise and renders uniform DICOM images from center to corner. An Intelligent Multi Sensor Technology system (I-MST) combines Barco's patented I-Guard front-of-screen sensor with backlight, ambient light and temperature sensors to optimize image quality and keep it consistent over time.

Green performance

Using energy-efficient LED backlights, Barco's Coronis 3MP LED is as low in power consumption as it is high in brightness. Additionally, Barco's LED backlights are mercury-free, produce less heat, and last longer. This allows Barco to guarantee a 5-year backlight warranty.

Worry-free DICOM compliance

Barco's Coronis 3MP LED is bundled with MediCal QAWeb for automated calibration and QA, ensuring continuous diagnostic quality and maximum

Barco's Coronis 3MP LED is bundled with MediCal QAWeb for automated calibration and QA, ensuring continuous diagnostic quality and maximum uptime of your workstation. MediCal QAWeb allows you to continue working while automated QA checks are being executed. The system also includes a secure online web service for remote, centralized image quality management.

- High-bright LED backlights ensuring more grayscales
- Power-efficient LED backlights reducing overall operational and maintenance costs
- Intelligent Multi-Sensor Technology system for consistent image quality
- PPU-LED for uniform images across the entire screen
- Continuous, worry-free DICOM-compliance under all lighting conditions
- Web-based service for transparent calibration and QA
- Smart, ergonomic design

Product specificaties**CORONIS 3MP LED (MDCG-3221)****General specifications**

Schermt technologie	UA-SFT (ultra advanced -super fine technology)
Achtergrondverlichting	LED
Actief schermformaat (diagonaal)	540 mm (21.3")
Formaat actief scherm (H x V)	325 mm x 433 mm (12.8" x 17.1")
Beeldverhouding (H:V)	4:3
Resolutie	3MP (2048 x 1536)
Pixelpitch	0.2115 mm
Beeldkleur	No
Grijsbeeldvorming	Yes
Aantal grijswaarden (LUT in/LUT uit)	1024 grey levels (10/12)
Kijkhoek (H, V)	178°
Uniform Luminance Technology (ULT)	Yes
Per Pixel Uniformity (PPU)	Yes
Omgevingslichtcompensatie (OLC)	Yes
Backlight Output Stabilization Technology (BLOS)	Yes
I-Guard	Yes
Maximale luminantie	1700 cd/m ² typical
DICOM-gekalibreerde luminescentie	600 cd/m ²
Contrastverhouding (ULT uit)	1400:1 typical
Reactietijd (stijgtijd + valtijd)	40 ms
Scanfrequentie (H; V)	15-129 kHz; 24-100 Hz
Kleur behuizing	Black / White
Video-ingangssignalen	DVI-D Dual Link, DisplayPort
USB-poorten	1 upstream (endpoint), 2 downstream
USB-standaard	2.0
Voedingsvereisten (nominaal)	100-240V
Stroomverbruik (nominaal)	40W
Energiebesparingsmodus	Yes
Energiebeheer	DVI-DMPM
Puntklok	280 MHz
OSD-talen	English, German, French, Dutch, Spanish, Italian, Portugese, Polish, Russian, Swedish, Chinese (simplified), Japanese, Korean, Arabic
Afmetingen met standaard (B x H x D)	Portrait: 378 x 528~628 x 235 mm Landscape: 491 x 472~572 x 235 mm
Afmetingen zonder standaard (B x H x D)	378 x 491 x 84 mm
Afmetingen verpakt (B x H x D)	686 x 342 x 585 mm
Nettogewicht met standaard	12.8 kg
Nettogewicht zonder standaard	8 kg

Product specificaties**CORONIS 3MP LED (MDCG-3221)**

Nettogewicht verpakt met standaard	17.7 kg
Nettogewicht verpakt zonder standaard	N/A
Hoogterebereik	100 mm
Kanteling	-5° / +25°
Zwenking	-30° / +30°
Roteren	N/A
Montagestandaard	VESA (100 mm)
Bescherming van het scherm	Protective, non-reflective glass cover
Aanbevolen procedures	All digital images, except digital mammography
Certificeringen	FDA 510(K) K131246 for General Radiology CE1639 (MDD 93/42/EEC; A1:2007/47/EC class IIb product) CCC (China), KC (Korea), BIS (India), EAC (Russia, Kazakhstan, Belarus, Armenia and Kyrgyzstan) 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. 60601-1:14 EMI specific: IEC 60601-1-2:2014 (ed4) EN 60601-1-2:2015 (ed4) 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 Quick Installation Sheet Video cables (1 x DVI Dual Link, 1 x DisplayPort) Main cables (UK, European (CEBEC/KEMA), USA (UL/CSA; adaptor plug NEMA 5-15P), Chinese (CCC)) USB 2.0 cable External power supply
Software voor kwaliteitsgarantie	MediCal QAWeb
Garantie	5 years
Bedrijfstemperatuur	0°C to 40°C (15°C to 30°C within specs)
Opslagtemperatuur	-20°C to 60°C
Vochtigheid in bedrijf	8% -80% (non-condensing)
Vochtigheid bij opslag	5% -95% (non-condensing)
Bedrijfshoogte	2000 m
Opslaghoogte	7500 m

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