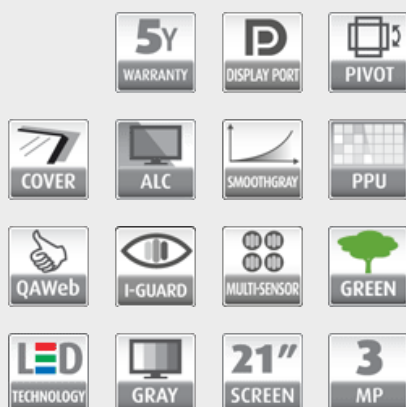


# Coronis 3MP LED (MDCG-3221)

3MP premium diagnostic grayscale display system



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.

**BARCO**

Visibly yours

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## 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 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.



**Product specifications****Coronis 3MP LED (MDCG-3221)**

<b>Screen technology</b>	UA-SFT (ultra advanced - super fine technology)
<b>Backlight</b>	LED
<b>Active screen size (diagonal)</b>	540 mm (21.3")
<b>Active screen size (H x V)</b>	325 mm x 433 mm (12.8" x 17.1")
<b>Aspect ratio (H:V)</b>	4:3
<b>Resolution</b>	3MP (2048 x 1536)
<b>Pixel pitch</b>	0.2115 mm
<b>Color imaging</b>	No
<b>Gray imaging</b>	Yes
<b>Number of greyscale (LUT in/LUT out)</b>	1024 grey levels (10/12)
<b>Viewing angle (H, V)</b>	178°
<b>Uniform Luminance Technology</b>	Yes
<b>Per Pixel Uniformity (PPU)</b>	Yes
<b>Ambient Light Compensation (ALC)</b>	Yes
<b>Backlight Output Stabilization (BLOS)</b>	Yes
<b>I-Guard</b>	Yes
<b>Maximum luminance</b>	1700 cd/m <sup>2</sup> typical
<b>DICOM calibrated luminance</b>	600 cd/m <sup>2</sup>
<b>Contrast ratio (ULT off)</b>	1400:1 typical
<b>Response time (Tr + Tf)</b>	40 ms
<b>Scanning frequency (H; V)</b>	15-129 kHz; 24-100 Hz
<b>Housing color</b>	Black / White
<b>Video input signals</b>	DVI-D Dual Link, DisplayPort
<b>USB ports</b>	1 upstream (endpoint), 2 downstream
<b>USB standard</b>	2.0
<b>Power requirements (nominal)</b>	100-240V
<b>Power consumption (nominal)</b>	40W
<b>Power save mode</b>	Yes
<b>Power management</b>	DVI-DMPM
<b>Dot clock</b>	280 MHz
<b>OSD languages</b>	English, German, French, Dutch, Spanish, Italian, Portugese, Polish, Russian, Swedish, Chinese (simplified), Japanese, Korean, Arabic
<b>Dimensions with stand (W x H x D)</b>	Portrait: 378 x 528~628 x 235 mm Landscape: 491 x 472~572 x 235 mm
<b>Dimensions w/o stand (W x H x D)</b>	378 x 491 x 84 mm
<b>Dimensions packaged (W x H x D)</b>	686 x 342 x 585 mm
<b>Net weight with stand</b>	12.8 kg
<b>Net weight w/o stand</b>	8 kg
<b>Net weight packaged with stand</b>	17.7 kg
<b>Net weight packaged w/o stand</b>	N/A
<b>Height adjustment range</b>	100 mm
<b>Tilt</b>	-5° / +25°
<b>Swivel</b>	-30° / +30°
<b>Pivot</b>	N/A
<b>Mounting standard</b>	VESA (100 mm)
<b>Screen protection</b>	Protective, non-reflective glass cover

**Product specifications****Coronis 3MP LED (MDCG-3221)**

<b>Recommended modalities</b>	CT, MR, US, DR, CR, NM, Film
<b>Certifications</b>	CE0120 (MDD 93/42/EEC; A1:2007/47/EC class IIb product), CE- 2014/30/EU, CE - 93/42/EEC; A1:2007/47/EC class II b, IEC60950-1:2005 + A1:2009 (2ND EDITION), IEC 60601-1:2005 +C1:2006 + C2:2007 + A1:2012, ANSI/AAMI ES 60601-1:2005 + C1:2009 + R1:2012, CAN/CSA-C22.2 No. 60601-1:2014, DEMKO - EN 60601-1:2006 + A11:2011 + A12:2014 + A1: 2013, EN 60601-1-2:2007, CCC - GB9254-2008 + GB4943.1-2011 + GB17625.1-2003, KC, VCCI, FCC class B, ICES-001 Level B, FDA 510(k), RoHS
<b>Supplied accessories</b>	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
<b>QA software</b>	MediCal QAWeb
<b>Warranty</b>	5 years
<b>Operating temperature</b>	0°C to 40°C (15°C to 30°C within specs)
<b>Storage temperature</b>	-20°C to 60°C
<b>Operating humidity</b>	8% - 80% (non-condensing)
<b>Storage humidity</b>	5% - 95% (non-condensing)
<b>Operating altitude</b>	2000 m
<b>Storage altitude</b>	7500 m