Coronis Uniti (MDMC-12133)

12MP diagnostic display system for PACS incl. breast imaging

12 MP
33" SCREEN
OPTICAL GLASS
SOFTGLOW
SPOTVIEW
CLEARBASE BLUEBASE
RAPIDFRAME
TOUCHPAD
I-LUMINATE
FILM CLIP
ALC PRESETS
STEADYCOLOR
COLOR PPU
QAWEB
I-GUARD
DURALIGHT
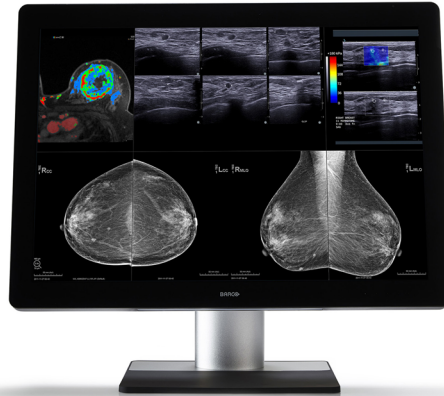
- **PACS and breast imaging on one display**

- **In grayscale and color (featuring unique color calibration!)**

- **With touch pad for fast control**

The only display for PACS and breast imaging

Meet Coronis Uniti®. The only display explicitly designed for both PACS and breast imaging. Unique in its representation of calibrated color and grayscales. Remarkable in its 2D and 3D capabilities. Capable of both static and dynamic imaging. Together, these features will forever change the way you work.

Unify your workflow

Coronis Uniti® delivers the first unified workflow – combining PACS and breast images on one workstation. It's the solution that replaces all display configurations, eliminating the need for a multi-head display set-up or to move to another workstation to view additional exams.

- Combines PACS and breast images on one workstation

- Pushes productivity

- Speeds up reading sessions

See what you haven't seen before

Everything you see on the big, 12 MegaPixel screen is sharp and precise. That's because every Coronis Uniti display is calibrated to meet the DICOM standard for grayscales and to guarantee consistent, perceptually linear color – an industry first.

- Features unique color calibration

- Fits more images on one display

- Reduces the need for panning and zooming

- Ensures uniform images at all times

BARCO
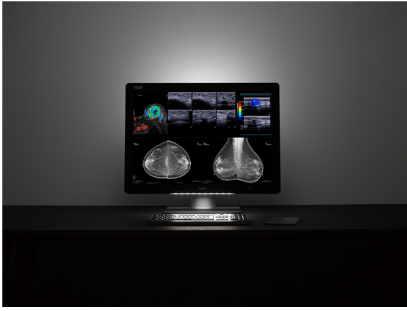
- Unveils the smallest details

- Ensures automated QA and calibration

Get used to being comfortable

Coronis Uniti was designed with ergonomics in mind, mirroring a human's natural field of vision to optimize your reading experience:

- Reduces reflection

- Enhances image sharpness

- Reduces eye fatigue

- Limits head, hand, and eye movements

- Increases reading comfort

Get more bang for your buck

A universal radiology display, Coronis Uniti is a one-time investment that will last a lifetime.

- Helps you see more patients per day

- Simplifies control and management of the display network

- Leads to major reductions in display cost

Technologies that enhance image quality:

- SteadyColorTM calibration technology to meet the DICOM standard for grayscales and to guarantee consistent, perceptually linear color.

- Color PPUTM technology to make every pixel permanently DICOM-compliant, ensuring consistent colors and grayscales.

- SmoothGrayTM for the best DICOM precision.

- MediCal QAWeb, a cloud-based technology for automated calibration and Quality Assurance.

- I-GuardTM front sensor to ensure 24/7 compliance to medical standards.

- DuraLight BrillianceTM to deliver exceptional brightness.

- LED backlights for efficient, long-lasting brightness.

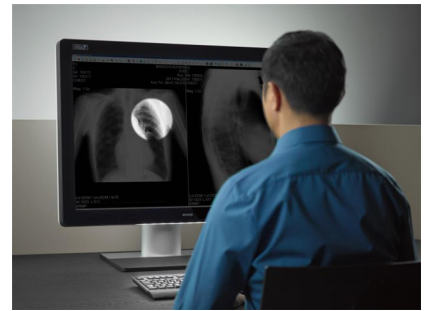- I-LuminateTM to double the brightness – to more than 2,000 nits.

Technologies that enhance productivity:

- RapidFrameTM to ensure crisp and in-focus moving images.

- Touchpad for faster control and smooth image manipulations.

- Conference CloneViewTM software to project images onto the large screen with ease.

- Purpose-powered display controllers for unmatched processing power, loading current and prior exams in no time.

- Ambient Light CompensationTM for consistent images in any lighting conditions.

- A film clip so you can use your display as a virtual light box to view film priors.

Technologies that enhance ergonomics:

- The highest resolution (12MP) on a large, bezel-free image area.

- SpotViewTM to focus the light on things you want to have a closer look at.

- OpticalGlassTM to reduce reflection, enhance image sharpness and hence viewing comfort. Durable and scratch-resistant.

- SoftGlowTM task light and wall light to reduce eye fatigue.

- Choose between Clear Base and Blue Base viewing modes on-the-fly.

PRODUCT SPECIFICATIONS	CORONIS UNITI (MDMC-12133)
Screen technology	IPS
Active screen size (diagonal)	853.44 mm (33.6")
Active screen size (H x V)	708.1 x 472.1 mm (27.8 x 18.6")
Aspect ratio (H:V)	3:2
Resolution	12MP (4200 x 2800 pixels)
Pixel pitch	0.1686 mm
Color imaging	Yes
Gray imaging	Yes
Bit depth	30 bit
Viewing angle (H, V)	178°
Optical glass	Yes
Uniformity correction	PPU
SteadyColor Calibration	Yes
I-Luminate	Yes
Ambient Light Compensation (ALC)	Yes, reading room selection
Ambient light sensor	Yes
Backlight Output Stabilization (BLOS)	Yes
Front sensor	Yes, I-Guard
Maximum luminance	2100 cd/m² (PPU on)
DICOM calibrated luminance	1000 cd/m²
Contrast ratio (panel typical)	1200:1 (PPU on)
Response time ((Tr + Tf)/2) (typical)	16.5 ms
Housing color	RAL 9004 / RAL 9003
Video input signals	DisplayPort 1.2
USB ports	1x USB 2.0 upstream (endpoint) 3x USB 2.0 downstream
Power rating	24 VDC, 16.25 A; 5 VDC, 0.1 A
Power requirements	This device shall only be powered by the medical approved power supply of Efore (Roal Electronics), type RHPS390. Ratings marked on the medical approved power supply: ■ Input rating: 100-240 VAC, 5.5 A, 50/60 Hz ■ Output rating: 24 VDC, 16.25 A; 5 VDC, 0.1 A
Power consumption	190 W (nominal) < 0.5 W (hibernate)
Dimensions with stand (W x H x D)	795 x 610 x 300 mm (lowest position)
Dimensions w/o stand (W x H x D)	795 x 572 x 131 mm
Dimensions packaged (W x H x D)	960 x 715 x 395 mm
Net weight with stand	33 kg
Net weight w/o stand	24 kg
Net weight packaged	42 kg
Tilt	-5° / +30°
Swivel	-23° / +23°

PRODUCT SPECIFICATIONS	CORONIS UNITI (MDMC-12133)
Pivot	N/A
Height adjustment range	95 mm
Mounting standard	VESA (200 x 100 mm & 100 x 100 mm)
Screen protection	Protective, non-reflective glass cover
Recommended modalities	Radiology, mammography and digital breast tomosynthesis
Certifications	FDA 510(K) K141428 and K151505 for General Radiology CE1639 (MDD 93/42/EEC; A1:2007/47/EC class IIb product) CCC (China), KC (Korea), PSE (Japan), Inmetro (Brazil), 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
Supplied accessories	User Guide Quick Installation Sheet Video cables (2 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 Film clip MultiTouchPad
Optional accessories	None
QA software	MediCal QAWeb
Warranty	5 years, including 40000 hours backlight warranty
Operating temperature	0°C to +35°C (+20°C to +30°C within spec)
Storage temperature	-20°C to +60°C
Operating humidity	20% -85% (non-condensing)
Storage humidity	5% -85% (non-condensing)
Operating pressure	70 kPa minimum
Storage pressure	50 to 106 kPa

Last updated: 15 Nov 2019

Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.