

Coronis OneLook (MDMC-32133)

One look is all it takes to change the lives of millions



- **View full resolution multimodality images in one look**
- **See tiny details in clear grayscales and rich colors**
- **Launch your go-to applications without any clicks**

Highest resolution ever in breast imaging

Meet the Coronis OneLook® display solution, brought to you by the team behind the world-class Coronis Uniti. From supporting orthopedics to finding tiny breast calcifications: Coronis OneLook is Barco's paragon coming after decades of research and development – your perfect radiology assistant, which will serve for years to come.

Coronis OneLook gives you more detail than you've ever imagined: it boasts the highest number of image lines and pixels we have ever achieved. All this combined with crisp, consistent grayscales and colors and new productivity tools, true to the Barco range.

Effortless quality & compliance

Like all our medical display solution, Coronis OneLook comes with our cloud-based QAWeb Enterprise platform for remote calibration and centralized QA and compliance management.

Ecolabel for Coronis OneLook

Coronis OneLook has been subjected to Barco's ecoscoring protocol. Some key factors that contributed to this rating are:

- Level VI power supply & energy efficiency when in active use
- >65% halogen-free PCBs and >50% halogen-free cables
- Packaging uses recycled cardboard and foams with recycled content
- 30% post-consumer recycled content in plastic parts
- Warranty extendable up to 7 years

Ensuring diagnostic confidence with MDR Class IIa

The Coronis OneLook, like our other radiology displays, is MDR-certified as Class IIa. All our displays are subject to yearly audits as part of our commitment to quality and compliance. This process helps ensure diagnostic confidence and peace of mind for our users.

Product specifications

CORONIS ONELOOK (MDMC-32133)

General Specifications

Screen technology	IPS
Active screen size (diagonal)	850 mm (33")
Active screen size (H x V)	708 mm x 472 mm (28 inch x 19 inch)
Aspect ratio (H:V)	3:2
Resolution	32MP (6848 x 4656 pixels @ 60 Hz) (with touchbar) Active area (6848 x 4560 pixels @ 60 Hz) (without touchbar)
Pixel pitch	0,103 mm
Color imaging	Yes
Gray imaging	Yes
Bit depth	10 bit per R,G,B, when driven by Barco Display Controller
Viewing angle (H, V)	178°
Uniformity correction	PPU
SteadyGray	Yes
SteadyColor	SteadyColor: Yes, when used in combination with Barco Display Controller and Driver, Intuitive Workflow Tools(IWT) & QAWeb Enterprise sRGB: Yes, when used in combination with Barco Display Controller and Driver, Intuitive Workflow Tools (IWT) with aid of Application Appearance Manager (AAM) & QAWeb Enterprise
Color gamut NTSC	117% NTSC (CIE 1976/CIELUV)
Color gamut sRGB	140% sRGB (CIE 1931) or 135% sRGB (CIE1976)
Color gamut DCI-P3	107% DCI-P3 (CIE 1976)
RapidFrame	Yes
I-Luminate	Yes
Ambient light presets	Yes, reading room selection
Ambient light sensor	Yes
Front sensor	Yes , I-Guard
Maximum luminance (panel typical)	2300cd/m ² (PPU on, ClearBase)
DICOM calibrated luminance	1200 cd/m ²
Contrast ratio (panel typical)	1300:1
Response time ((Tr + Tf)/2) (typical)	9,05 ms 5,9ms, average gray-to-gray with RapidFrame
Housing color	Black RAL (9005) / White (RAL 9003)
Video input signals	4x DisplayPort 1.4 ports 2 x available (DP1, DP2) 2 x covered (do not use; for future use) (DP3, DP4)
USB ports	At the sides 1x USB-C 1x USB-3 type A In the cable compartment 2x USB-3 type B upstream 1 x available (USB-B UP1) 1 x covered (do not use; for future use) (USB-B UP2)
	1x USB-2.0 type A downstream 2x USB-3 type A downstream
Power rating	5V/2A -24V/7A -48V/8A
Power requirements	This device shall only be powered by the medical approved power supply of Adapter Tech, type CDM970A2-P480: Input: 100-240 Vac, 50-60 Hz, 16 A Output: 5 Vdc, 2 A 24 Vdc, 14 A 48 Vdc, 13 A
Power consumption	230 W (nominal) < 2,5 W (switched off)
Dimensions with stand (W x H x D)	795 x 639 x 242 mm (stand in lowest position) 795 x 739 x 242 mm (stand in highest position)
Dimensions w/o stand (W x H x D)	795 x 604 x 93 mm
Dimensions packaged (W x H x D)	972 x 741 x 390 mm
Net weight with stand	28 kg
Net weight w/o stand	19 kg
Net weight packaged	33 kg (without optional accessories) 37 kg (with optional accessories)
Tilt	-5° to +24°
Swivel	+30° to -30°
Pivot	N/A
Height adjustment range	100 mm
Mounting standard	VESA 200 x 100
Screen protection	Yes. anti-smudge layer
Optical glass	Yes

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Recommended modalities	All digital images, including digital mammography It is especially designed for breast tomosynthesis (3D mammography) applications, breast MRI and breast US. It is especially designed for CT and ultrasound vascular and gynecological US.
Certifications	CE0123 (Medical Device) FDA 510(k) K242008 CCC (China), KC (Korea), INMETRO (Brazil) (Pending), BIS (India) (Pending), EAC (Russia) (Pending) Safety specific: IEC 62368-1:2018 EN IEC 62368-1:2020+A11:2020 UL 62368-1:2019 CSA C22.2 No.62368-1:2019 IEC 60601-1:2005+A1:2012+A2:2020 EN 60601-1:2006+A1:2013+A12:2014+A2:2021 ANSI/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) (Pending) Environmental: China Energy Label (Pending), EU RoHS, China RoHS, REACH, Canada Health, WEEE, Packaging Directive
Supplied accessories	1x power supply 2x DP video cables 1x USB cable 1x printed User Guide (English) 1x printed Quick Start Guide 1x documentation CD, containing translations of the user guide 1x AAPM TG18-OIQ Visual evaluation shield Mains cables
Optional accessories	Display controller Touch pad
QA software	QAWeb Enterprise
Warranty	5 years, including 40 khours backlight warranty 2 additional years warranty available for purchase
Operating temperature	0 °C to 35 °C (20 °C to 30 °C within specs)
Storage temperature	-20 °C to +60 °C
Operating humidity	20 % to 80 % (non-condensing)
Storage humidity	20 % to 80 % (non-condensing)
Operating pressure	Operational: minimum 62 kPa
Storage pressure	50 to 106 kPa

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