Eonis 3D (MDRC-8127)

Glasses-free medical 3D display

3Y WARRANTY	WIDE ANGLE	CONSISTENCY	QAWEB
LED TECHNOLOGY	COLOR	27" SCREEN	8 MP

- **Autostereoscopic 3D with advanced eye-tracking & lenticular lens projection**

- **4K resolution on standard-size 27" screen**

- **Effortless switching between 2D & 3D for any task**

- **DICOM-compatible, Class 1 medical-grade display**

- **Remote QA management tools**

Discover the world's first glasses-free, medical 3D display

Revolutionize medical visualization across patient consultations, surgical planning, and medical education with Eonis 3D, Barco's pioneering 3D monitor solution. This groundbreaking technology delivers uncompromised glasses-free 3D imaging, providing you with unprecedented depth perception and easy spatial understanding.

All-in-one versatility for any workflow

Eonis 3D comes in a comfortable, standard 27" size – perfect for any desk. And without the need for special eyewear, Eonis 3D renders complex anatomical structures with exceptional clarity and true depth, allowing for intuitive interpretation of pathologies.

Remote QA management

A Class 1 medical device, Eonis 3D integrates seamlessly with existing PACS and imaging platforms while its ergonomic design supports eye comfort during extended viewing sessions. Advanced calibration through its front sensor and integration with QAWeb Enterprise software maintains consistent image quality across the entire display, during its entire lifespan.

Medical-grade reliability & longevity

Experience transformative visualization that helps to improve patient opt-in rates, enhance surgical preparation, and accelerate learning curves for residents and students!

BARCO

Product specifications	EONIS 3D (MDRC-8127)
General specifications	
Screen technology	IPS
Active screen size (diagonal)	684 mm (26.96")
Active screen size (H x V)	597 x 336 mm (23.49 x 13.22")
Aspect ratio (H:V)	16:9
Resolution	8MP (3840 x 2160 pixels @ 60 Hz)
Pixel pitch	0.1554 mm
Color imaging	Yes
Gray imaging	Yes
Bit depth	30 bit
Viewing angle (H, V)	178°
SteadyGray	N/A
SteadyColor	N/A
Pathology Setting	Yes
Color gamut NTSC	82%
Color gamut sRGB	99%
sRGB Delta E2000 (typical)	Average: < 3 Max: < 5
Ambient light presets	Yes, reading room selection
Front sensor	Yes, Front Consistency Sensor
Maximum luminance (panel typical)	330 cd/m²
DICOM calibrated luminance	250 cd/m²
Contrast ratio (panel typical)	1000:1
Response time ((Tr + Tf)/2) (typical)	14 ms
Housing color	Black (RAL 9004) / White (RAL 9003)
Video input signals	2x DisplayPort 1.4 1x USB-C 3.2 DisplayPort Alt Mode
Video output signals	1x DisplayPort 1.4 (MST)
USB ports	Upstream: 2x USB-B 2.0 1x USB-C 3.2 (DisplayPort Alt Mode, Power Delivery up to 100W) Downstream: 2x USB-A 2.0 1x USB-C 2.0 (side of the display, Power Delivery up to 7.5W
LAN/RJ45 ports	1x 1GbE
Power rating	100-240 Vac, 50/60 Hz, 2.5-0.9 A USB-C output: 5VDC 3A, 9VDC 5A, 15VDC 5A, 20V 5A USB-C output (side): 5VDC 1.5A
Power requirements	This device shall only be powered by the medical approved power supply of Adapter Tech., type ATM200T-P240: ■ Input: 100-240 Vac, 50-60 Hz, 2.5-0.9 A ■ Output: 24 Vdc, 8.3 A
Power consumption	35 W (nominal) < 0.5 W (hibernate) < 0.3 W (switched off)
Dimensions with stand (W x H x D)	Landscape: 624 x 479~579 x 225 mm
Dimensions w/o stand (W x H x D)	Landscape: 624 x 386 x 66 mm
Dimensions packaged (W x H x D)	755 x 285 x 570 mm
Net weight with stand	10,6 kg
Net weight w/o stand	7.6 kg
Net weight packaged	15 kg (without optional accessories)
Tilt	-5° to +25°
Swivel	-30° to +30°
Pivot	N/A
Height adjustment range	100 mm
Mounting standard	VESA (100 mm)
Screen protection	N/A
Recommended modalities	All digital images, except digital mammography.

Product specifications	EONIS 3D (MDRC-8127)
Certifications	CE (Medical Device) FDA Class I 510(k) exempt CCC (China) KC (Korea) INMETRO (Brazil) BIS (India) UKCA (UK) Safety specific: 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: EU RoHS, China RoHS, REACH, Canada Health, WEEE, Packaging Directive
Supplied accessories	User Guide Quick Install Sheet Documentation disc Video cables Mains cables USB cable
QA software	QAWeb Enterprise
Warranty	3 years
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	10 % to 85 % (non-condensing)
Operating pressure	70 kPa
Storage pressure	50 to 106 kPa

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