

Eonis 21" (MDRC-2421)

21" clinical display for hospital-wide viewing of clinical data and images



- 21" display for reviewing clinical images
- Front sensor for consistent images
- Automated calibration & QA

The Eonis 21" brings reliable, DICOM compliant images to a broad palette of imaging applications, including EMR. It combines consistent image quality and an attractive, versatile design with effortless quality assurance.

Easy collaboration with consistent images

Eonis presents sharp, bright images. The display's unique front consistency sensor automatically aligns the image quality every time the display is switched on. The Eonis 21" can be used for consulting radiology and PACS images, as well as clinical review and consultation.

Result? Consistent images that make collaboration between specialists easier. Discuss images with colleagues at multiple locations, knowing that everyone is seeing identical images.

Automated quality assurance

Eonis 21" comes with the cloud-based QAWeb Enterprise software, an online service for automated calibration, quality assurance and asset management.

Praised in hospitals around the world, QAWeb Enterprise allows healthcare IT and PACS administrators to centrally and remotely manage image quality across the healthcare organization, at the click of a button.

Fit for clinical review

Barco's Eonis display features multiple mounting and interface options, including a VESA mount. The user-friendly height, tilt and pivot adjustments of the base allow the monitor to be positioned for maximum comfort.

Like every Barco clinical review display, the MDRC-2421 complies with international medical and patient safety standards.

Variants

- MDRC-2421 (Option SNIB): standard brightness, no cover, no touchscreen, internal power supply, black housing

Product specifications**EONIS 21" (MDRC-2421)**

General specifications	
Screen technology	IPS TFT
Active screen size (diagonal)	541.0 mm (21.3")
Active screen size (H x V)	432.0 mm x 324.0 mm (17.0 x 12.8")
Aspect ratio (H:V)	4:3
Resolution	2MP (1600 x 1200 pixels)
Pixel pitch	0.270 mm
Color imaging	Yes
Gray imaging	Yes
Bit depth	8 bit
Viewing angle (H, V)	178°
Ambient light presets	Yes, reading room selection
Front sensor	Yes, Front Consistency Sensor
Maximum luminance (panel typical)	500 cd/m ²
DICOM calibrated luminance	250 cd/m ²
Contrast ratio (panel typical)	1800:1
Response time ((Tr + Tf)/2) (typical)	8 ms
Housing color	RAL 9004
Video input signals	1x DVI-I 1x DisplayPort 1x HDMI™
USB ports	1x USB 2.0 upstream (endpoint) 2x USB 2.0 downstream
Power requirements	100-240 VAC, 50-60 Hz, 0.75-0.45A
Power consumption	< 25 W < 0.3 W (hibernate) < 0.3 W (switched off)
Dimensions with stand (W x H x D)	Portrait: 374.5 x 506.6~583.3 x 201.3 mm Landscape: 477.0 x 411.5~529.6 x 201.3 mm
Dimensions w/o stand (W x H x D)	Portrait: 477.0 x 374.5 x 70.4 mm Landscape: 374.5 x 477.0 x 70.4 mm
Dimensions packaged (W x H x D)	195 x 488 x 527 mm
Net weight with stand	6.2 kg
Net weight w/o stand	4.1 kg
Net weight packaged	10 kg
Tilt	-5° to +22°
Pivot	90°
Height adjustment range	110 mm
Mounting standard	VESA (100 mm)
Recommended modalities	All digital images, except digital mammography.

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Certifications	FDA Class I, 510(k) exempt CE (Medical Device Class I) UKCA (UK) CCC (China) KC(Korea) VCCI(Japan) BIS (India) UL (US and Canada), FCC, DEMKO Safety specific: IEC 60601-1:2005 + AMD1:2012+ AMD2:2020 EN 60601-1:2006 + A1:2013 + A12:2014 + A2:2021 IEC 62368-1:2018 EN 62368-1:2020 + A11:2020 IEC 60601-1-6:2010 + AMD1:2013 + AMD2:2020 ANSI/AAMI ES60601-1:2005 + R1:2012 + R2:2021 CAN/CSA C22.2 No. 60601-1:2014 GB 4943.1-2022 EMC specific: IEC 60601-1-2:2014 + A1:2020 EN 60601-1-2:2015 + A1:2021 FCC Part 15 Subpart B ICES-003 Level B GB 17625.1-2022 GB/T 9254.1-2021 Environmental: China Energy Label, EU RoHS, China RoHS, REACH, Canada Health, WEEE, Packaging Directive
Supplied accessories	1x DisplayPort video cable 1x USB cable 1x Printed user guide (in English, other languages can be found on the documentation disc) 1x Documentation disc 1x System sheet Mains cables (based on ordered part number)
QA software	QAWeb
Warranty	3 years
Operating temperature	0°C to +40°C
Storage temperature	-20°C to +60°C
Operating humidity	20% to 90% (non-condensing)
Storage humidity	10% to 90% (non-condensing)
Operating pressure	70 kPa minimum
Storage pressure	50 to 106 kPa

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