Eonis 24" (MDRC-2424)

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

DVI INPUTS

24" SCREEN

2 MP

HDMI

DISPLAYPORT

TOUCH

GLASS COVER

CONSISTENCY

QAWEB

LED TECHNOLOGY

WIDE VIEW

DICOM

COLOR

CLEARED
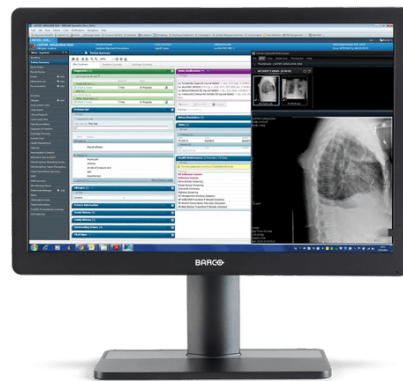
- **24" display for reviewing clinical images**

- **Front sensor for consistent images**

- **Automated calibration & QA**

The Eonis 24" 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 24" 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 24" 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 Eonis 24" complies with international medical and patient safety standards.

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Variants

- MDRC-2424 (Option SNIB): standard brightness, no cover, no touchscreen, internal power supply, black housing

- MDRC-2424 (Option STIB): standard brightness, no cover, touchscreen, internal power supply, black housing

- MDRC-2424 (Option HNIB): high brightness, no cover, no touchscreen, internal power supply, black housing

- MDRC-2424 (Option HTIB): high brightness, no cover, touchscreen, internal power supply, black housing

- MDRC-2424 (Option HNEW): high brightness, no cover, no touchscreen, external power supply, white housing

- MDRC-2424 (Option HPEW): high brightness, protective cover, no touchscreen, external power supply, white housing

- MDRC-2424 (Option HTEW): high brightness, no cover, touchscreen, external power supply, white housing

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A ecolabel for Eonis 24"

The Eonis 24" has been subjected to Barco's ecoscoring protocol and has received an A rating. Some key factors that contributed to this rating are:

- High energy efficiency

- Automatic standby mode when device is not in use

- Packaging optimized for transport on standard pallets

- 100% halogen-free PCBs, cables and plastics

- Unpainted housing, plastics compatible for recycling

Product specifications	EONIS 24" (MDRC-2424)
General specifications	
Screen technology	ADS
Active screen size (diagonal)	609.6 mm (24")
Active screen size (H x V)	518.4 mm x 324.0 mm (20.4 x 12.8")
Aspect ratio (H:V)	16:10
Resolution	2MP (1920 x 1200 pixels)
Pixel pitch	0.270 mm
Color imaging	Yes
Gray imaging	Yes
Bit depth	24 bit
Viewing angle (H, V)	178°
Front sensor (FLOS)	Yes, Front Consistency Sensor
Maximum luminance (panel typical)	600 cd/m²
DICOM calibrated luminance	Standard brightness versions (MDRC-2424 (option Sxxx)): 250 cd/m² High brightness versions (MDRC-2424 (option Hxxx)): 350 cd/m²
Contrast ratio (panel typical)	1000:1
Response time ((Tr + Tf)/2) (typical)	14 ms
Housing color	Black versions (MDRC-2424 (option xxxB)): RAL 9004 White versions (MDRC-2424 (option xxxW)): RAL 9003
Video input signals	1x DisplayPort 1x DVI-I 1x HDMI™
USB ports	1x USB 2.0 upstream (endpoint) 2x USB 2.0 downstream
Power consumption	< 35 W < 0.3 W (hibernate) < 0.3 W (switched off)
Dimensions with stand (W x H x D)	Portrait: 383.0 x 577.1~629.1 x 201.3 mm Landscape: 568.0 x 420.6~530.6 x 201.3 mm
Dimensions w/o stand (W x H x D)	Portrait: 383.0 x 568.0 x 67.3 mm Landscape: 568.0 x 383.0 x 67.3 mm
Dimensions packaged (W x H x D)	681 x 512 x 198 mm
Net weight with stand	MDRC-2424 (option SNIB and HNIB): 6.9 kg MDRC-2424 (option STIB and HTIB): 8.4 kg MDRC-2424 (option HNEW): 6.8 kg MDRC-2424 (option HPEW): 8.0 kg MDRC-2424 (option HTEW): 8.3 kg
Net weight without stand	MDRC-2424 (option SNIB and HNIB): 4.7 kg MDRC-2424 (option STIB and HTIB): 6.2 kg MDRC-2424 (option HNEW): 4.6 kg MDRC-2424 (option HPEW): 5.8 kg MDRC-2424 (option HTEW): 6.1 kg
Net weight packaged	MDRC-2424 (option SNIB and HNIB): 10.9 kg MDRC-2424 (option STIB and HTIB): 12.4 kg MDRC-2424 (option HNEW): 11.2 kg MDRC-2424 (option HPEW): 12.4 kg MDRC-2424 (option HTEW): 12.7 kg
Tilt	-5° to +22°
Pivot	0° to 90°
Height adjustment range	110 mm
Mounting standard	VESA (100 mm)
Touch Screen	Yes, for MDRC-2424 (option HPEW) only
Recommended modalities	All digital images, except digital mammography.

Product specifications	EONIS 24" (MDRC-2424)
Certifications	FDA Class I, 510(k) exempt CE (Medical Device Class I) UKCA (UK) CCC, CECP(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 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 EMI 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 1x Mains cables (based on ordered part number) Cable cover (available for white versions (MDRC-2424 option xxxW) only) External power supply (available for white versions (MDRC-2424 option xxxW) only)
QA software	QAWeb
Warranty	3 years
Operating temperature	0°C to +40°C
Storage temperature	-20°C to +60°C
Operating humidity	20% to 80% (non-condensing)
Storage humidity	10% to 80% (non-condensing)
Storage pressure	50 to 106 kPa

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