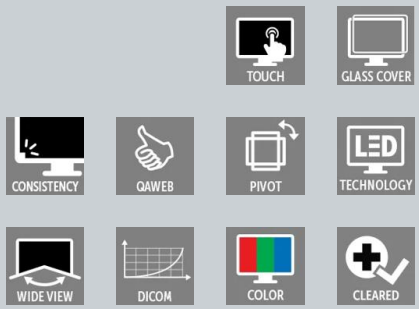
Eonis 24" (MDRC-2324)

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



- **24" display for reviewing clinical images**
- **With front sensor for consistent images**
- **With remote QA management tools**
- **Different versions available**

This 24" Eonis display has been built with healthcare specialists in mind. It combines consistent, high image quality and an attractive, versatile design with networked quality assurance. It's available in black and white.

High image quality

The high-quality Eonis display presents sharp, bright images with high contrast and a wide viewing angle. Eonis uses the latest in advancements in LED backlight technology, ensuring a higher brightness that can be maintained over a longer period of time.

The display's unique front consistency sensor ensures fast power-up and continuous luminance stability. The image consistency makes collaboration betweenspecialists easier. They can discuss images with colleagues at multiple locations,knowing that everyone is seeing identical images.

Centralized quality assurance

Eonis comes complete with Barco's cloud-based QAWeb Enterprise software, anonline service for automated calibration, Quality Assurance and asset management.Praised in hospitals around the world, QAWeb Enterprise allows healthcare IT andPACS administrators to centrally and remotely manage image quality across thehealthcare organization, at the click of a button.

Smart design, fit for purpose

Barco's Eonis display is safe to use in a clinical environment. The multiple mounting options and connections add to the smart design. The display is as high in brightness as it is low in power consumption. The lightweight form factor and packaging help reduce the environmental footprint of this product.

Models

- MDRC-2324 (Option SNIB): standard brightness, no touchscreen or cover, internal power supply, black
- MDRC-2324 (Option STIB): standard brightness, touchscreen, internal power supply, black
- MDRC-2324 (Option HNIB): high brightness, no touchscreen or cover, internal power supply, black
- MDRC-2324 (Option HTEW): high brightness, touchscreen, external power supply, white
- MDRC-2324 (Option HPEW): high brightness, protective & anti-reflective glass, external power supply, white
- MDRC-2324 (Option HTIB): high brightness, touchscreen, internal power supply, black
- MDRC-2324 (Option HNEW): high brightness, no touchscreen or cover, external power supply, white

Please consult your Barco representative or distributor in your country or territory to confirm availability. A reference to any product or service on this site does not imply that such product is or will be available in your location.

Product specifications	EONIS 24" (MDRC-2324)
General specifications	
Screen technology	LCD
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	30 bit
Viewing angle (H, V)	178°
Ambient light presets	Yes, reading room selection
Front sensor	Yes, Front Consistency Sensor
Maximum luminance (panel typical)	Standard brightness versions (MDRC-2324 (option Sxxx)): 430 cd/m² High brightness versions (MDRC-2324 (option Hxxx)): 600 cd/m²
DICOM calibrated luminance	Standard brightness versions (MDRC-2324 (option Sxxx)): 250 cd/m² High brightness versions (MDRC-2324 (option Hxxx)): 350 cd/m²
Contrast ratio (panel typical)	1000:1
Response time ((Tr + Tf)/2) (typical)	7 ms
Housing color	Black versions (MDRC-2324 (option xxxB)): RAL 9004 White versions (MDRC-2324 (option xxxW)): RAL 9003
Video input signals	1 x DP, 1 x DVI-I
USB ports	1x USB 2.0 upstream (endpoint) 2x USB 2.0 downstream
Power rating	Black versions (MDRC-2324 (option xxxB)): 100-240 VAC, 50/60 Hz, 0.7-0.4A White versions (MDRC-2324 (option xxxW)): 12 VDC, 2.3A
Power requirements	White versions (MDRC-2324 (option xxxW)): This device shall only be powered by the following medical approved power supply: Adapter Tech., type ATM065T-P120 Ratings marked on the medical power supply: ■ Input rating: 100–240 VAC, 1.6–0.7 A, 50/60 Hz ■ Output rating: 12 VDC, 5.0 A
Power consumption	Standard brightness versions (MDRC-2324 option Sxxx): 20 W High brightness versions (MDRC-2324 option Hxxx): 25 W < 0.5 W (hibernate) < 0.5 W (standby)
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)	760 x 513 x 235 mm
Net weight with stand	MDRC-2324 (option SNIB and HNIB): 6.8 kg MDRC-2324 (option STIB and HTIB): 7.8 kg MDRC-2324 (option HNEW): 6.6 kg MDRC-2324 (option HTEW): 7.7 kg MDRC-2324 (option HPEW): 7.6 kg
Net weight w/o stand	MDRC-2324 (option SNIB and HNIB): 4.6 kg MDRC-2324 (option STIB and HTIB): 5.6 kg MDRC-2324 (option HNEW): 4.4 kg MDRC-2324 (option HTEW): 5.5 kg MDRC-2324 (option HPEW): 5.4 kg
Net weight packaged	MDRC-2324 (option SNIB and HNIB): 8.8 kg (including optional accessories) MDRC-2324 (option STIB and HTIB): 9.8 kg (including optional accessories) MDRC-2324 (option HNEW): 8.9 kg (including optional accessories) MDRC-2324 (option HTEW): 10.0 kg (including optional accessories) MDRC-2324 (option HPEW): 9.9 kg (including optional accessories)
Tilt	-5° to +22°
Pivot	0° to 90°
Height adjustment range	110 mm
Mounting standard	VESA (100 mm)
Screen protection	MDRC-2324 (option HPEW): Protective, anti-reflective glass MDRC-2324 (option STIB, HTIB and HTEW): PCAP touchscreen MDRC-2324 (option SNIB, HNIB and HNEW): None
Recommended modalities	All digital images, except digital mammography.

Product specifications	EONIS 24" (MDRC-2324)
Certifications	FDA Class I, 510(k) exempt CE (Medical Device Class I) CCC (China), KC (Korea), BIS (India), EAC (Russia) Safety specific: IEC 60950-1:2005 + A1:2009 + A2:2013 EN 60950-1:2006 + A1:2010 + A11:2009 + A12:2011 + A2:2013 IEC 60601-1:2005 + CORR. 1:2006 + CORR. 2:2007 + AM1:2012 EN 60601-1:2006 + A1:2013 + A12:2014 ANSI/AAMI ES 60601-1:2005 + R1:2012 CAN/CSA C22.2 No. 60601-1:2014 EMI specific: IEC 60601-1-2: 2014 (ed4) EN 60601-1-2:2015 (ed4) FCC part 15 Class B ICES-003 Level B VCCI (Japan) 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 external power supply for MDRC-2324 versions (xxEx) only Mains cables
Optional accessories	None
QA software	QAWeb
Warranty	3 years
Operating temperature	0 °C to 40 °C (15 °C to 35 °C within specs)
Storage temperature	-20 °C to 60 °C
Operating humidity	8% to 80% (non-condensing)
Storage humidity	5% to 90% (non-condensing)
Operating pressure	70 kPa minimum
Storage pressure	50 to 106 kPa

Last updated: 08 Sep 2025

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