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 (wrt color, brightness, touch etc.)**

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.

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 between specialists 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 MediCal QAWeb software, an online service for automated calibration, Quality Assurance and asset management. Praised in hospitals around the world, MediCal QAWeb allows healthcare IT and PACS administrators to centrally and remotely manage image quality across the healthcare 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.

PRODUCT SPECIFICATIONS	EONIS 24" (MDRC-2324)
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	Standard brightness versions (MDRC-2324 (option Sxxx)): 430 cd/m^2 High brightness versions (MDRC-2324 (option Hxxx)): 600 cd/m^2
DICOM calibrated luminance	Standard brightness versions (MDRC-2324 (option Sxxx)): 250 cd/m^2 High brightness versions (MDRC-2324 (option Hxxx)): 350 cd/m^2
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 9016
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: Adaptertec, type PCL722A Ratings marked on the medical power supply: ■ Input rating: 100–240 VAC, 1.6–0.7 A, 50/60 Hz ■ Output rating: 12 VDC, 2.3 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

PRODUCT SPECIFICATIONS	EONIS 24" (MDRC-2324)
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): Fully cleanable protective glass cover with anti-reflective coating 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.
Certifications	FDA listing R015753 for General Radiology CE (MDD 93/42/EEC; A1:2007/47/EC class I product) CCC (China), KC (Korea), PSE (Japan), BIS (India), BSMI (Taiwan), EAC (Russia) Safety specific: IEC 60950-1:2005 + A1:2009 EN 60950-1:2006 + A1:2010 + A11:2009 + A12:2011 + A2:2013 IEC 60601-1:2005 + A1:2012 EN 60601-1:2006 + A1:2013 + A12:2014 ANSI/AAMI ES 60601-1:2005 + R1:2012 CAN/CSA C22.2 No. 60601-1:14 EMI specific: IEC 60601-1-2: 2014 (ed.4) EN 60601-1-2:2015 (ed.4) 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 (English) 1x system disc, containing MediCal QAWeb software, graphics board drivers and translations of the User Guide Mains cables (1x UK, 1x EUR, 1x USA, 1x PRC) External power supply for MDRC-2324 (option xxEx) only
Optional accessories	None
QA software	MediCal 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: 17 Apr 2019

Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.