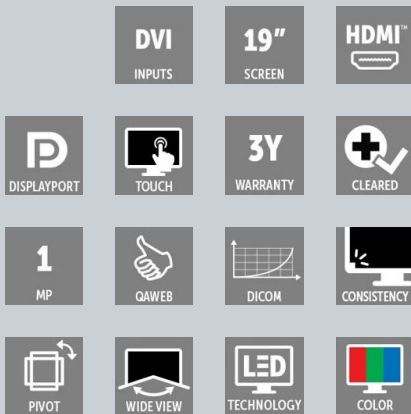


Eonis 19" (MDRC-1419)

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



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

The Eonis 19" 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 19" unique 5:4 aspect ratio is ideal for viewing all types of applications and images from medical modalities.

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

Automated quality assurance

Eonis 19" 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 displays feature 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-1419 complies with international medical and patient safety standards.



Variants

- MDRC-1419 (Option SNIB): standard brightness, no cover, no touchscreen, internal power supply, black housing
- MDRC-1419 (Option HNIB): high brightness, no cover, no touchscreen, internal power supply, black housing
- MDRC-1419 (Option STIB): standard brightness, no cover, touchscreen, internal power supply, black housing

A ecolabel for Eonis 19"

The Eonis 19" has been subjected to Barco's ecoscoring protocol and has received an A rating. Some key factors that contributed to this rating are:

- Energy efficient when in active use, low power consumption in standby & soft off mode
- Automatic standby mode when device is not in use
- Full cardboard packaging with >85% recycled cardboard, no plastic foams
- Modular device for easier repair
- Enclosure consists of unpainted plastics, compatible for recycling

Product specifications**EONIS 19" (MDRC-1419)****General specifications**

Screen technology	Standard Version: IPS TFT High Bright Version: AHVA
Active screen size (diagonal)	482 mm (19")
Active screen size (H x V)	376 x 301 mm (14.81" x 11.85")
Aspect ratio (H:V)	5:4
Resolution	1 MP (1280 x 1024 pixels @60 Hz)
Pixel pitch	0.294 mm
Color imaging	Yes
Gray imaging	Yes
Bit depth	24 bit
Viewing angle (H, V)	178°
Color Calibration(sRGB)	Available for: MDRC-1419 SNIB MDRC-1419 SNIB DIN MDRC-1419 STIB
Color Gamut	Refer to panel specification
sRGB Delta E2000 (typical)	DeltaE 2000 • Avg < 2 • Max < 5
Front sensor (FLOS)	Available for: MDRC-1419 SNIB MDRC-1419 SNIB DIN MDRC-1419 STIB
Backlight Output Stabilization (BLOS)	Available for: MDRC-1419 HNIB MDRC-1419 HNIB CHH
Maximum luminance (panel typical)	Standard Version: 330 cd/m ² High Bright Version: 700cd/m ²
DICOM calibrated luminance	Standard Version: 250 cd/m ² High Bright Version: 400cd/m ²
Contrast ratio (panel typical)	Standard Version: 1000:1 (min: 800:1) High Bright Version: 1000:1 (min: 700:1)
Response time ((Tr + Tf)/2) (typical)	Standard Version: 15 ms High Bright Version: 12.5 ms
Housing color	RAL 9004
Video input signals	1 x DP 1 x DVI-D 1 x DVI-A 1 x HDMI
USB ports	1 x USB USB_std upstream 2 x USB USB_std downstream
Power rating	Internal, 100-240 Vac, 50/60 Hz
Power consumption	< 25W (Standard Version)
Dimensions with stand (W x H x D)	Portrait: 348 x 440-550 x 201 mm Landscape: 411 x 408-518 x 201 mm
Dimensions w/o stand (W x H x D)	411 x 348 x 67 mm
Dimensions packaged (W x H x D)	482 x 399 x 249 mm
Net weight with stand	MDRC-1419 SNIB: 5.5 kg MDRC-1419 SNIB DIN: 5.5 kg MDRC-1419 STIB: 6.44 kg MDRC-1419 HNIB: 5.44 kg MDRC-1419 HNIB CHH: 5.44 kg
Net weight without stand	MDRC-1419 SNIB: 3.3 kg MDRC-1419 SNIB DIN: 3.3 kg MDRC-1419 STIB: 4.24 kg MDRC-1419 HNIB: 3.24 kg MDRC-1419 HNIB CHH: 3.24 kg
Net weight packaged	MDRC-1419 SNIB: 8.9 kg MDRC-1419 SNIB DIN: 8.9 kg MDRC-1419 STIB: 9.8 kg MDRC-1419 HNIB: 8.3 kg MDRC-1419 HNIB CHH: 8.3 kg
Tilt	-5° to 22°
Swivel	No
Pivot	90°
Height adjustment range	110 mm
Mounting standard	VESA (100 mm)
Screen Protection	No
Touch Screen	Available for MDRC-1419 STIB

Product specifications

EONIS 19" (MDRC-1419)

Intended use	Refer to technical specification
Recommended modalities	All digital images, except digital mammography
Certifications	FDA Class I, 510(k) exemptCE (Medical Device Class I) UKCA (UK) CCC, CECP (China) KC (Available for standard versions only) VCCI (Available for standard versions only) BIS (India) EAC (Russia, Kazakhstan, Belarus, Armenia and Kyrgyzstan) 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 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 17625.1-2012 GB/T 9254.1-2021 Environmental: China Energy Label, ChinaRoHS, EU RoHS, REACH, Canada Health, WEEE, Packaging Directive
Supplied accessories	1x USB cable 1x DP cable 1x Main cable 1x DVI-D cable (available for MDRC-1419 HNIB CHH) 1x VGA Dongle (available for MDRC-1419 HNIB CHH) 1x User Guide (English) 1x CD, containing (translations of the User Guide) 1x System sheet
Optional accessories	No
QA software	QAWeb
Warranty	3 years
Operating temperature	0°C to 40°C
Storage temperature	-20°C to 60°C
Operating humidity	Standard Version: 20% to 80% High Bright Version: 5% to 80%
Storage humidity	Standard Version: 10% to 90% High Bright Version: 5% to 90%
Minimum operating pressure	70 kPa
Storage pressure	50 to 106 kPa

Last updated: 23 Sep 2024

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