Eonis 22" (MDRC-2422)

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

GLASS COVER · **DVI INPUTS**

22" SCREEN · **TOUCH** · **DISPLAYPORT** · **HDMI**

DICOM · **BACKLIGHT** · **CLEARED** · **WIDE VIEW**

CONSISTENCY · **QAWEB** · **COLOR** · **2 MP**
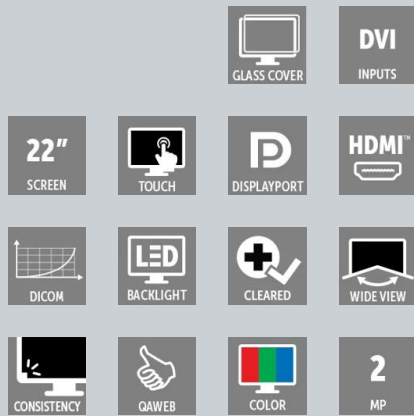
- **22" display for reviewing clinical images**

- **Front sensor for consistent images**

- **Automated calibration & QA**

The Eonis 22" 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 22" can be used for consulting radiology and PACS images, as well as for clinical review and consultation.

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

Automated quality assurance

Eonis 22" 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-2422 complies with

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international medical and patient safety standards.

Variants

- MDRC-2422 (Option SNIB): standard brightness, no cover, no touchscreen, internal power supply, black housing

- MDRC-2422 (Option STIB): standard brightness, no cover, touchscreen, internal power supply, black housing

- MDRC-2422 (Option SNEW): standard brightness, no cover, no touchscreen, external power supply, white housing

- MDRC-2422 (Option SPEW): standard brightness, protective cover, no touchscreen, external power supply, white housing

Product specifications	EONIS 22" (MDRC-2422)
General specifications	
Screen technology	LCD (AHVA)
Active screen size (diagonal)	546 mm (21.5")
Active screen size (H x V)	476 x 268 mm (18.7 x 10.5")
Aspect ratio (H:V)	16:9
Resolution	2MP (1920 x 1080 pixels)
Pixel pitch	0.248 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)	300 cd/m²
DICOM calibrated luminance	180 cd/m²
Contrast ratio (panel typical)	1000:1
Response time ((Tr + Tf)/2) (typical)	7.5 ms
Housing color	MDRC-2422 (options STIB and SNIB): RAL 9004 MDRC-2422 (options SNEW and SPEW): RAL 9003
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, 1-0.5 A 12 Vdc, 3.5 A
Power consumption	20 W (nominal) < 0.5 W (hibernate) < 0.3 W (standby)
Dimensions with stand (W x H x D)	Portrait: 337 x 525~602 x 201 mm Landscape: 514 x 388~498 x 201 mm
Dimensions w/o stand (W x H x D)	Portrait: 315 x 514 x 67 mm Landscape: 514 x 315 x 67 mm
Dimensions packaged (W x H x D)	700 x 240 x 460 mm
Net weight with stand	MDRC-2422 (option STIB): 6.5 kg MDRC-2422 (option SNIB): 5.7 kg MDRC-2422 (option SNEW): 5.4 kg MDRC-2422 (option SPEW): 6.2 kg
Net weight w/o stand	MDRC-2422 (option STIB): 4.2 kg MDRC-2422 (option SNIB): 3.5 kg MDRC-2422 (option SNEW): 3.2 kg MDRC-2422 (option SPEW): 4 kg
Net weight packaged	MDRC-2422 (option STIB): 8.7 kg (without optional accessories) MDRC-2422 (option SNIB): 7.9 kg (without optional accessories) MDRC-2422 (option SNEW): 7.6 kg (without optional accessories) MDRC-2422 (option SPEW): 8.4 kg (without optional accessories)
Tilt	-5° to +22°
Pivot	90°

Product specifications	EONIS 22" (MDRC-2422)
Height adjustment range	110 mm
Mounting standard	VESA (75 and 100 mm)
Screen protection	Protective, anti-glare glass cover (MDRC-2422 option SPEW only)
Recommended modalities	All digital images, except digital mammography
Certifications	FDA Class I, 510(k) exempt CE (Medical Device Class I) CCC (China), BIS (India) Safety specific: AAMI ES60601-1:2005, ES60601-1:2005/AMD1 1:2012, ES60601-1:2005/AMD2:2021 CAN/CSA-C22.2 NO. 60601-1:14/A2:2022 IEC 60601-1:2005, AMD1:2012, AMD2:2020 EN 60601-1:2006/A1:2013/A12:2014/A2:2021 IEC 62368-1: 2018 EN IEC 62368-1:2020+A11:2020 IEC 60601-1-2: 2014 +A1:2020 EN 60601-1-2: 2015 +A1:2021 EMI specific: FCC part 15 Class B ICES-003 Level B VCCI Environmental: China Energy Label, EU RoHS, China RoHS, REACH, Canada Health, WEEE, Packaging Directive, CECP
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 cable (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	10% to 85% (non-condensing)
Storage humidity	10% to 90% (non-condensing)
Operating pressure	70 kPa (minimum)
Storage pressure	50 to 110 kPa

Last updated: 17 May 2024

ENABLING BRIGHT OUTCOMES

BARCO