

Eonis 21" (MDRC-2221)

21" clinical display for clinical image review



- The perfect side display for radiologists
- With front sensor for consistent images
- With remote QA management tools

Barco's Eonis® 21" offers a 40% higher calibrated luminance and almost twice the contrast ratio of the previous generation. It comes with a unique front consistency sensor to guarantee consistent images over time, making it ideal for viewing standard PACS images, RIS data, and image-enabled EMR.

With a full-screen format and 2MP resolution for viewing consistent, quality-controlled images for accurate image review, it is the perfect side display for radiologists.

Designed to boost productivity & ergonomics

Equipped with LED backlights, Eonis® 21" features a 250 cd/m² calibrated luminance and an excellent contrast ratio, allowing you to view high-detail images quickly and efficiently and with fewer image manipulations. IPS panel technology ensures accurate images even when looked at from a wide viewing angle. Built-in ambient light presets ensure perfect image quality in dark or bright reading environments.

The front-of-screen consistency sensor works seamlessly together with Barco's MediCal QAWeb service for quality assurance and remote asset management and automatically aligns image quality every time the display is switched on, providing you with a solid basis for confident image review.

The display offers flexible tilt and swivel capabilities and a space-saving design to make viewing more ergonomic. Additionally, positioning the 21-inch screen in portrait orientation provides you with more flexibility when viewing skeletal radiography images or patient data.

PRODUCT SPECIFICATIONS**EONIS 21" (MDRC-2221)**

| | |
|-----------------------------------|--|
| Active screen size (diagonal) | 541 mm (21.3") |
| Active screen size (H x V) | 432 mm x 324 mm (17" x 12.76") |
| Aspect ratio (H:V) | 4:3 |
| Resolution | 2MP (1600 x 1200) |
| Screen technology | TFT Color LCD |
| Pixel pitch | 0.270 |
| Color imaging | Yes |
| Gray imaging | Yes |
| Color support | 10 bit |
| Viewing angle (H, V) | 178° |
| Ambient Light Compensation (ALC) | Yes, preset values in OSD |
| Front sensor | Yes |
| Maximum luminance | 440 cd/m ² ; typical |
| DICOM calibrated luminance | 250 cd/m ² |
| Contrast ratio | 1500:1 typical |
| Response time (Tr + Tf) | 20 ms |
| Housing color | Black + Silver |
| Video input signals | DisplayPort, DVI |
| USB ports | 1 upstream, 2 downstream |
| USB standard | 2.0 |
| Power requirements (nominal) | 100 -240 V |
| Power consumption (nominal) | 32 W (< 1W in stand-by) |
| Power save mode | Yes |
| Power management | DPMS |
| OSD languages | English, French, German, Spanish, Italian, Dutch, Japanese, Traditional Chinese, Simplified Chinese, Korean |
| Dimensions with stand (W x H x D) | 376 x 591.7 x 201.33 mm (portrait) |
| Dimensions w/o stand (W x H x D) | 376 x 484 x 75.93 mm (portrait) |
| Dimensions packaged (W x H x D) | 584 x 667 x 272 mm |
| Net weight with stand | 8.7 kg |
| Net weight w/o stand | 5.25 kg |
| Net weight packaged with stand | 12.4 kg |
| Height adjustment range | 100.0 +/-5.0 mm |
| Tilt | -5° / +20° |
| Swivel | -45° / +45° |
| Pivot | Yes |
| Mounting standard | VESA (100 mm) |
| Screen protection | N/A |
| Certifications | CE (MDD 93/42/EEC class I product), CE-2014/30/EU, IEC 60601-1(ed.3), IEC 60601-1(ed.3);am1, ANSI/AAMI ES60601-1 (2005 + C1:09 + A2:10 + A1:12), CAN/CSA-C22.2 No. 60601-1 (2014), EN 60601-1-2:2015, EN 60601-1:2006/A11:2011/A12:2014, EN 60601-1:2006/A1:2013, KC, BIS, VCCI, FCC class B, ICES-001 Level B, FDA Class I device, RoHS, BSMI |

PRODUCT SPECIFICATIONS**EONIS 21" (MDRC-2221)**

| | |
|--------------------------------|---|
| Supplied accessories | User Guide Cable routing strap Video cables (1x DVI + 1x DP) Main cables (UK, European (CEBEC/KEMA) or USA (UL/CSA; adaptor plug NEMA 5-15P)) USB 2.0 cable Cleaning cloth This adapter is a forming part of the medical device. (Manufacturer: BridgePower Corp., BPM060S24F09; Input: 100-240 V AC, 50-60 Hz, 1.5 A; Output: +24V DC, 2.7 A) |
| QA software | MediCal QAWeb & QAWeb PP |
| Warranty | 3 years |
| Operating temperature | +10°C / +35°C |
| Storage -transport temperature | -20°C / +60°C |
| Operating humidity | 20% -85% (non-condensing) |
| Storage -transport humidity | 5% -95% (non-condensing) |
| Operating altitude | 3000 m |
| Storage -transport altitude | 5500 m |
| Operating pressure | 70 kPa -106 kPa |
| Storage -transport pressure | 50 kPa -106 kPa |

Last updated: 07 Apr 2021

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