Barco MDRC-1219

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

3Y WARRANTY

CLEARED

1 MP

QAWEB

DICOM

CONSISTENCY

PIVOT

WIDE VIEW

LED TECHNOLOGY

COLOR
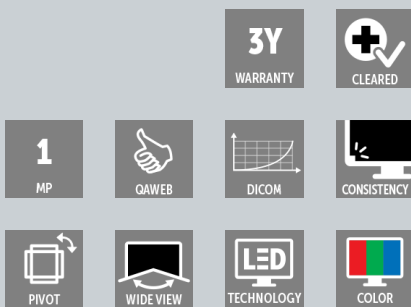
- **Fit for clinical use**

- **Automated Quality Assurance and calibration**

- **Front consistency sensor technology**

The Barco MDRC-1219 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. A touchscreen version is also available.

Consistent images, easy collaboration

The high-quality display presents sharp, bright images with high contrast. The unique front consistency sensor automatically aligns the image quality every time the display is switched on, ensuring fast power-up and continuous luminance stability.

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

Quality assured, automatically

The MDRC-1219 comes with Barco's cloud-based MediCal QAWeb software, an online service for 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.

Fit for clinical use

The unique 5:4 aspect ratio is ideal for viewing all types of applications and images from medical modalities. Like every Barco clinical display, the MDRC-1219 complies with international medical and patient safety standards.

BARCO

PRODUCT SPECIFICATIONS — BARCO MDRC-1219

Screen technology	Standard versions: IPS TFT High bright versions: IPS AHVA
Active screen size (diagonal)	482 mm (19.0")
Active screen size (H x V)	376 x 301 mm (14.81 x 11.85")
Aspect ratio (H:V)	5:4
Resolution	1MP (1280 x 1024 pixels)
Pixel pitch	0.294 mm
Color imaging	Yes
Gray imaging	Yes
Bit depth	8 bit (DVI) 10 bit (DisplayPort)
Viewing angle (H, V)	178°
Ambient light presets	Yes, reading room selection
Backlight Output Stabilization (BLOS)	Standard versions: No High bright versions: Yes
Front sensor	Standard versions: Yes, Front Consistency Sensor High bright versions: No
Maximum luminance (panel typical)	Standard versions: 330 cd/m² High bright versions: 700 cd/m²
DICOM calibrated luminance	Standard versions: 250 cd/m² High bright versions: 400 cd/m²
Contrast ratio (panel typical)	Standard versions: 1000:1 High bright versions: 900:1
Response time ((Tr + Tf)/2) (typical)	Standard versions: 15 ms High bright versions: 12.5 ms
Housing color	Black
Video input signals	DVI (DVI-D and DVI-A) DisplayPort
USB ports	1x USB 2.0 upstream (endpoint) Standard versions: 2x USB 2.0 downstream High bright versions: 1x USB 2.0 downstream
Power requirements	Internal power supply (100-240 Vac, 50/60 Hz)
Power consumption	Standard versions: 22 W (nominal) High bright versions: 25 W (nominal) < 0.5 W (standby)
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)	426 x 592 x 326 mm
Net weight with stand	MDRC-1219: 5.3 kg MDRC-1219 (option TS): 6.1 kg MDRC-1219 (option HB): 5.4 kg MDRC-1219 (option HB TS): 6.2 kg
Net weight w/o stand	MDRC-1219: 3.1 kg MDRC-1219 (option TS): 3.9 kg MDRC-1219 (option HB): 3.2 kg MDRC-1219 (option HB TS): 4.0 kg
Net weight packaged	MDRC-1219: 8.1 kg MDRC-1219 (option TS): 8.9 kg MDRC-1219 (option HB): 7.4 kg MDRC-1219 (option HB TS): 8.2 kg
Tilt	-5° to +22°
Swivel	N/A
Pivot	90°
Height adjustment range	110 mm
Mounting standard	VESA (100 mm)
Screen protection	Touch versions: PCAP touchscreen Other versions: N/A
Recommended modalities	Reviewing of digital images

PRODUCT SPECIFICATIONS   BARCO MDRC-1219

Certifications	Standard versions: FDA Class I,510(k) exempt CE (Medical Device Class I) CCC (China), Inmetro (Brazil), KC (Korea), BIS (India), EAC (Russia, Kazakhstan, Belarus, Armenia and Kyrgyzstan) 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) ICES-003 Level B Environmental: China Energy Label, EU RoHS, China RoHS, REACH, Canada Health, WEEE, Packaging Directive High bright versions: FDA Class I,510(k) exempt CE (Medical Device Class I) 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) ICES-003 Level B Environmental: EU 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 QAWeb software and translations of the User Guide Mains cables
QA software	MediCal QAWeb
Warranty	3 years
Operating temperature	Standard versions: 0 °C to +35 °C High bright versions: 0°C to +40 °C
Storage temperature	-20 °C to +60 °C
Operating humidity	Standard versions: 20 % to 80 % (non-condensing) High bright versions: 8 % to 80 % (non-condensing
Storage humidity	Standard versions: 10 % to 90 % (non-condensing) High bright versions: 5 % to 90 % (non-condensing)
Operating pressure	70 kPa minimum
Storage pressure	50 to 106 kPa

Last updated: 16 Apr 2020

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

ENABLING BRIGHT OUTCOMES

BARCO