

MDRC series

Clinical review displays



Consistent DICOM images anywhere, anytime

The rise of digital imaging technology has quickly changed the way in which patient data is used and distributed within hospitals. Medical images, enriched with patient information, are being shared and reviewed beyond the radiology department, becoming available in every hospital department.

This hospital-wide network of Electronic Medical Records is the natural habitat of Barco's 'MDRC' clinical review displays: a new line of multi-purpose displays for hospital-wide viewing of clinical data and images. Building on Barco's long-standing experience in healthcare visualization, the MDRCs offer a DICOM-compliant yet budget-friendly solution for a myriad of healthcare applications.

Hospital Information System

Radiology Information System

Electronic Medical Records

PACS

Pathology

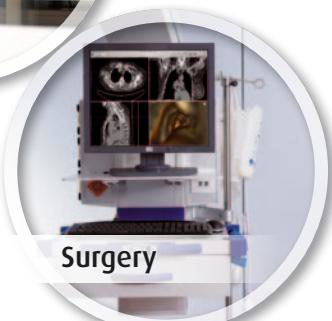
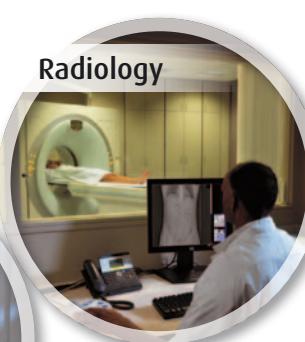
Dental imaging

Cardiac imaging

Orthopedics

Pneumatology

Oncology



Providing value-added benefits to...



Medical professionals

- Better representation of medical images thanks to high-quality LCD technology
- Consistent DICOM image quality throughout the hospital
- Improved user comfort through intelligent ergonomics and multi-lingual On-Screen Display

PACS & IT Managers

- DICOM image quality 'out-of-the-box'
- Compliance with international and regional medical safety and emission standards
- User-friendly DICOM-calibration and Quality Assurance via Barco's MediCal QAWeb solution

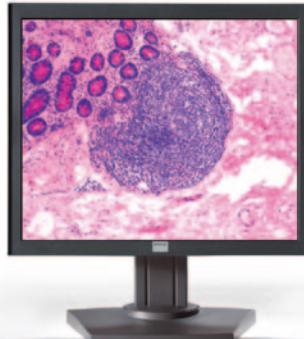
Purchasing Managers

- Low capital investment: optimal balance between medical image quality and purchase cost
- Low cost-of-ownership thanks to high-quality components, power saving mode and Barco warranty
- Designed, built and supported by Barco: a trusted partner for all your medical display needs throughout the hospital

One family meeting all your clinical needs



1
MP **19"**
SCREEN COLOR DICOM
MDRC-1119



2
MP **20"**
SCREEN COLOR DICOM
MDRC-2120



2
MP **24"**
SCREEN WUXGA
1920x1200 COLOR DICOM
MDRC-2124

Dependable technology for everyday use



Professional LCD quality

Presents medical images and patient data with more accurate grayscales, better contrast (up to 1300:1) and a wider viewing angle than conventional computer monitors.



Landscape & portrait orientation

Allows for a desktop organization that best fits your application (clinical images, reports, patient files,...).



Backlight Output Stabilization

Ensures fast power-up and continuous LCD backlight stability, resulting in long-term image consistency.



Approved for medical use

Complies with international medical safety and emission standards (such as CE, UL, etc.), qualifying the display for use in every area of the hospital.



Multi-lingual OSD interface

Makes it easy to change the display's settings in your own language (English, German, Simplified & Traditional Chinese, Korean, Japanese, etc.)



Power saving mode

Automatically switches the display to 'sleep mode' when not being used. This results in markedly reduced energy consumption and increased lifetime of the LCD backlights.



Optional protective front cover

Protects the valuable LCD panel against damage from intensive use and allows safe and easy cleaning.



User-friendly Quality Assurance

Accurate DICOM-calibration and Quality Assurance thanks to the Medical QAWeb solution.



10-bit DICOM Look-Up Table

Turns the display into an accurate display monitor for viewing medical images.

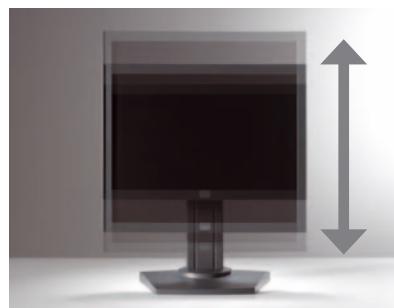


Optional touch screen interface

Allows the display to be used as a user-friendly input or control device (only on MDRC-1119).



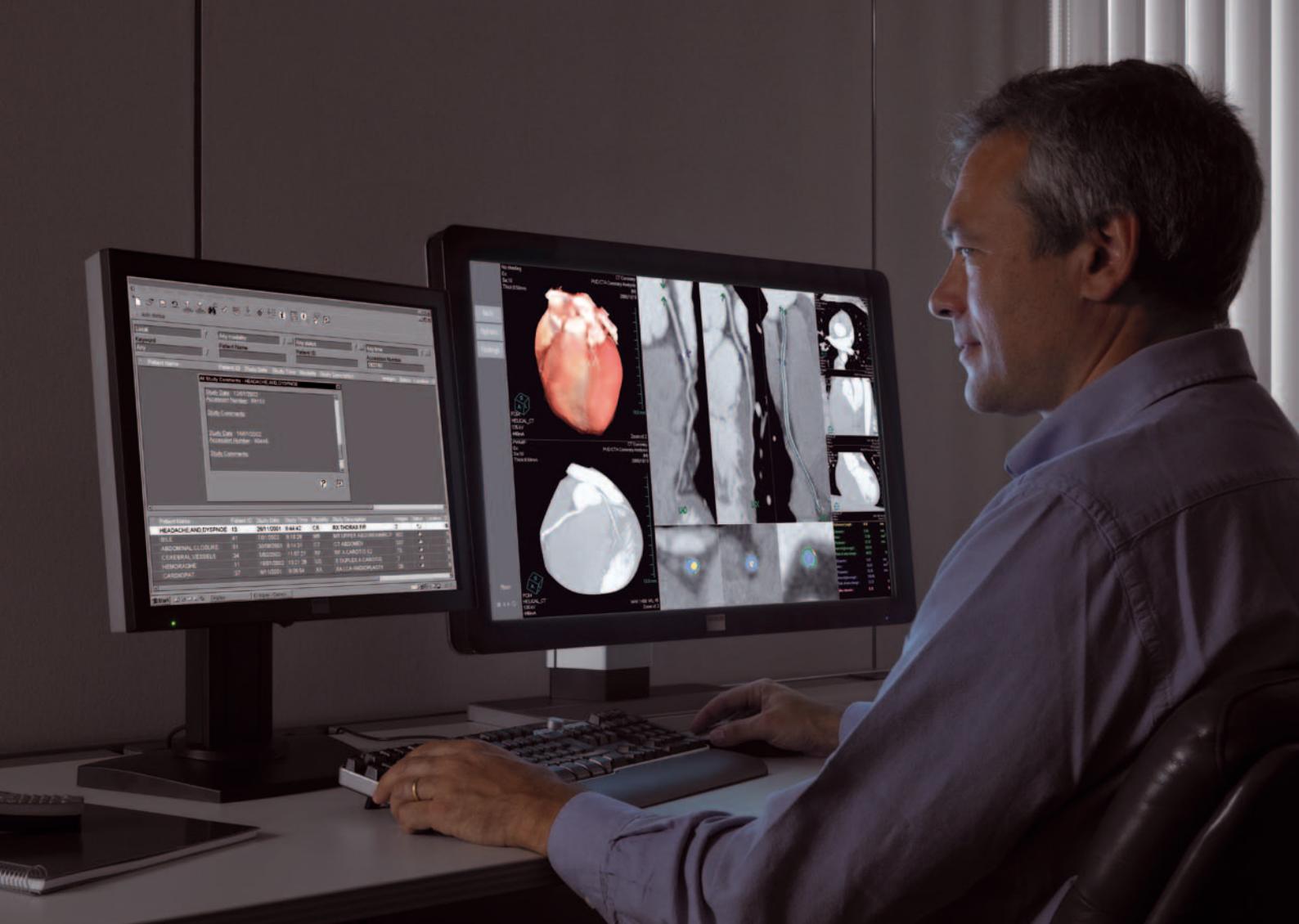
Landscape and portrait rotation to create the perfect desktop environment



Easy height adjustment



Optional protective front cover for more durability and easier cleaning



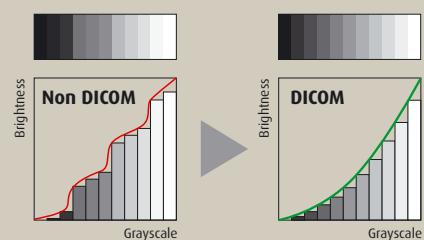
Why opt for a DICOM-compliant display?

DICOM (Digital Imaging and Communications in Medicine) is an international standard that was developed to improve the communication of digital images within radiology. This DICOM standard...

... specifies a grayscale function used to adjust the grayscale characteristics of monitors used in healthcare imaging;

... allows for PACS workstations, CT scanners, MR imagers, film digitizers, shared archives, laser printers, computers and mainframes from different suppliers to 'talk' to each other within a radiological environment.

Conclusion: opting for DICOM-compliant devices brings significant advantages. Not only does it ensure consistent image quality throughout the PACS chain, it also improves cost-effectiveness in healthcare.



Smooth and accurate grayscale palette, thanks to DICOM part 14 standard

To learn more about **DICOM**, download the dedicated white paper at

[> downloads](http://www.barcomedical.com)



High-standard medical imaging for every budget

Exceptional cost-efficiency

To deliver a high standard of care, quality patient images need to be available throughout the entire hospital, not just in radiology. MDRC displays make this possible by offering consistent, high-grade image quality at a very affordable price.

Low cost-of-ownership

Barco's diagnostic and surgical displays have established a solid reputation for dependability and low cost of ownership. The new line of clinical review displays is no exception. Combining high-quality components and intelligent features such as Backlight Output Stabilization and 'power saving mode', it ensures dependable images for many years.

One trusted partner for all your medical display needs

For almost 20 years, Barco has been a trusted technology partner, supplying solutions for diagnostic, surgical and modality imaging to healthcare providers all over the globe. Barco is able to offer display solutions to all areas of the hospital, providing you with a single point of contact for all your medical visualization needs.

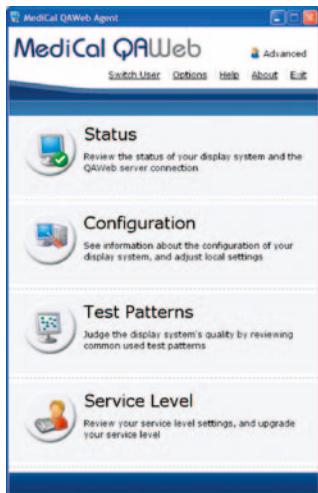
User-friendly calibration and Quality Assurance

Innovative QA solution



Barco clinical review displays are bundled with an innovative QA solution. In combination with an external sensor, this 'MediCal QAWeb' system provides an easy-to-use tool for calibration and QA, including a full set of visual tests and compliance tests.

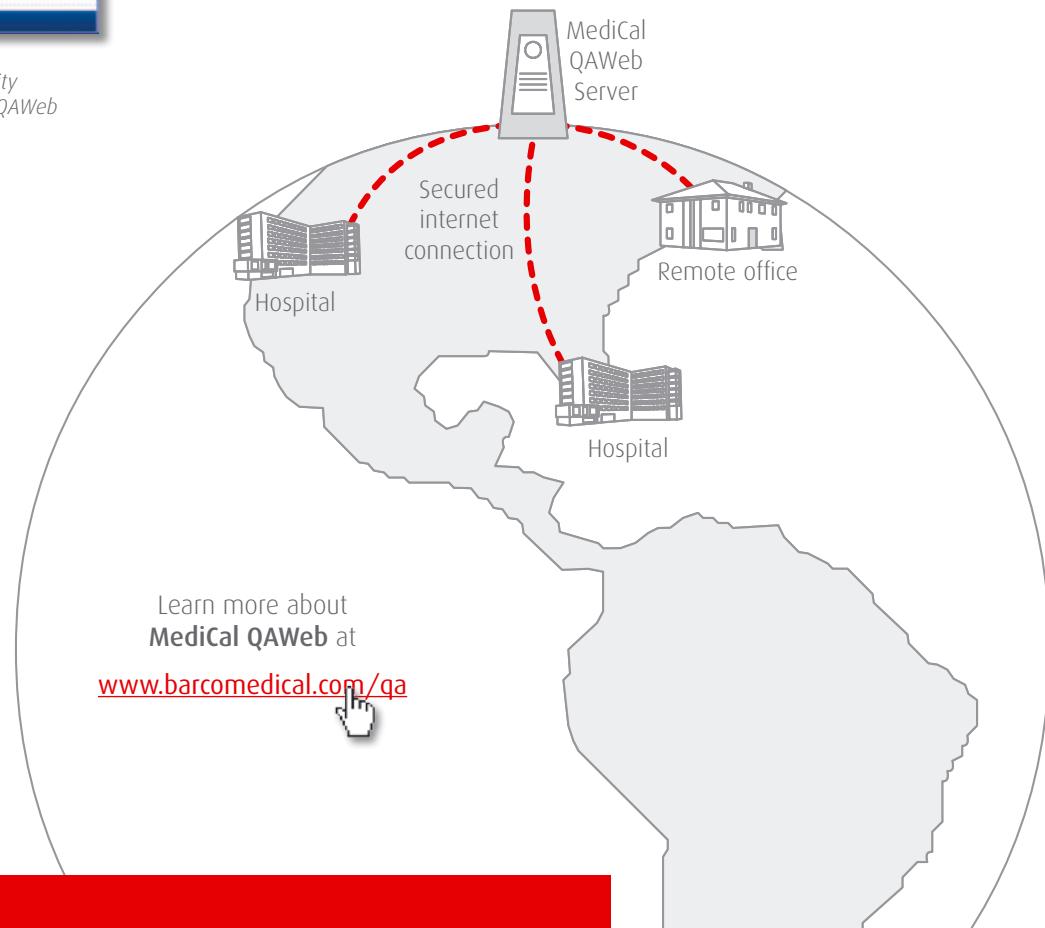
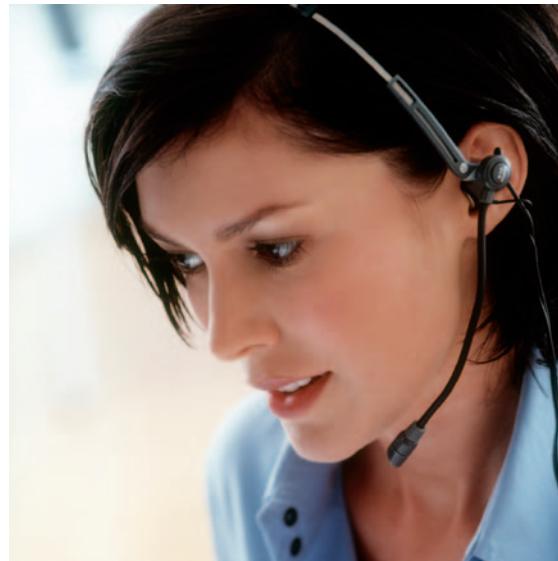
Furthermore, MediCal QAWeb delivers a web-based tool for remote management of all your display assets inside or outside the hospital. A smart way to reduce operating costs and get more out of your display investment.



Easy calibration and Quality Assurance with MediCal QAWeb

Complete peace of mind

Barco has established a full network of professional customer support centers. This global support organization with a strong local presence is your guarantee for professional assistance wherever you are, whenever you need it.



Barco medical imaging

Barco, a global market leader in visualization solutions for Picture Archiving and Communication Systems, has been developing visionary medical imaging solutions for almost twenty years. Driven by experience and innovation, Barco presents a full range of state-of-the-art solutions for radiological, surgical and clinical imaging. From acquisition to display, from image processing to quality assurance, Barco's hardware and software solutions deliver the perfection patients deserve.

Barco's commitment to quality has earned the trust of customers from all over the world, who partner with Barco to meet their most demanding imaging challenges. This partnership approach is also reflected in Barco's worldwide customer service network, ensuring professional support, wherever you are, whenever you need it.

Request more information

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In search of continuous improvement

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