Clarity and confidence

Raising the bar in diagnostic imaging with Barco radiology and mammography displays



Visibly yours

Breaking new ground in healthcare imaging



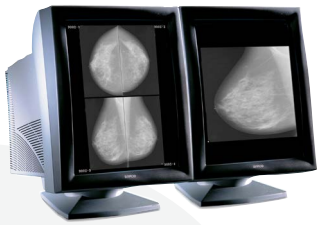
1986
Barco's first medical display for ultrasound, MCD-10



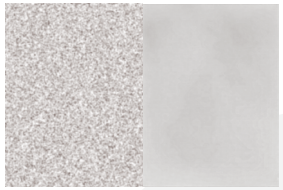
1993
Barco's first primary diagnostic display system, MGD-521



2001
introducing the I-Guard front-of-screen precision photometer



2002
the first 5MP mammography display, MGD-521M



2004
introducing unique and patented Per Pixel Uniformity (PPU) technology



2006
1st automated QA and calibration system (MediCal QAWeb)



2007
1st 30-inch 6MP diagnostic color display (Coronis Fusion 6MP)

2011
1st system for breast tomosynthesis (Mammo Tomosynthesis 5MP)

2014
1st system for unified workflow for PACS and breast imaging (Coronis Uniti)

30 years of innovation

Leading innovation and smart technology breakthroughs to deliver incredible image quality and spur productivity for the entire healthcare enterprise has been our mission for nearly 30 years. The result is a beautiful portfolio of display systems for radiology, mammography, surgery, dentistry, and modality imaging, along with clinical displays for healthcare specialists, digital OR systems, and point-of-care solutions.

FROST & SULLIVAN
2013 BEST PRACTICES AWARD
NORTH AMERICAN DIAGNOSTIC IMAGE DISPLAYS PRODUCT LINE STRATEGY AWARD

Frost & Sullivan
Best Practices Award
for diagnostic display line

"A radiologist's success relies on using the most advanced display technologies available. Barco display systems present the brightest, most precise images and smoothest reading capabilities; they are always our first and only choice."

László Tabár, MD, FACR (Hon) Course Director Professor Emeritus of Radiology and president of Mammography Education, Inc.

Caring with confidence



Diagnostic imaging fueled huge progress in healthcare delivery, resulting in better health outcomes and life expectancies. Screening exams save lives through early detection, making most exploratory surgeries virtually a thing of the past. A hospital's commitment to diagnostic imaging promotes exceptional healthcare that benefits both patients and medical specialists.

Image quality and consistency are paramount to achieving a confident diagnosis, and ultimately, a successful course of treatment. Barco technologies that go beyond pixels and lumens enhance even the subtlest details to aid in precise detection at the earliest possible stage. Meticulously designed for faster image loading, creating a more streamlined workspace, and delivering crystal-clear images that are easy on the eyes, Barco display systems help radiologists diagnose confidently and efficiently to read more studies per day.

Challenges of a new era

A survey amongst 200 radiologists in Europe and North America gathered their thoughts on the challenges in radiology. The key findings?

...About image quality

91% believe image quality is the most important display aspect that impacts reading performance.

80% of radiologists believe higher spatial resolution will improve the reading experience.

...About productivity

77% believe efficient workflow impacts reading sessions.

74% think increasing image volumes affect productivity.

...About ergonomics

87% of radiologists experience physical discomfort when reading images.

Almost 70% of respondents say that display ergonomics are very important.

Everything you need. And more.

Attention to detail

Barco display systems deliver unrivaled brightness, better contrast, more accurate colors, and a wider viewing angle than other medical displays, resulting in microscope-like image clarity and accuracy. The result is impeccable quality in grayscale, color, moving, and static images from a multitude of modalities.

Peak performance

Barco monitors are a truly all-in-one display system, comprising a high-quality display, an ultra-fast display controller for fast image loading and manipulation, and an automated QA solution to ensure peak performance and uptime.

Easy on the eyes

Growing study volumes result in greater pressures and longer reading days for radiologists. Ergonomic features that minimize stressors, anti-reflective screens, enhanced display form factors, and motion-saving tools increase focus to enhance productivity without discomfort.

Sensory consistency

Built-in stabilization and patented front-of-screen sensors guarantee consistent image brightness and clarity throughout the entire display lifespan and on every display connected to the enterprise network. Colleagues in different locations see identical images, facilitating accurate remote collaboration.

Ultimate peace of mind

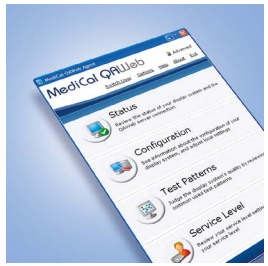
No distortions and no distractions thanks to MediCal QAWeb, a cloud-based service for automated Quality Assurance and calibration. And the standard 5-year warranty on Barco radiology displays is the best in the industry.











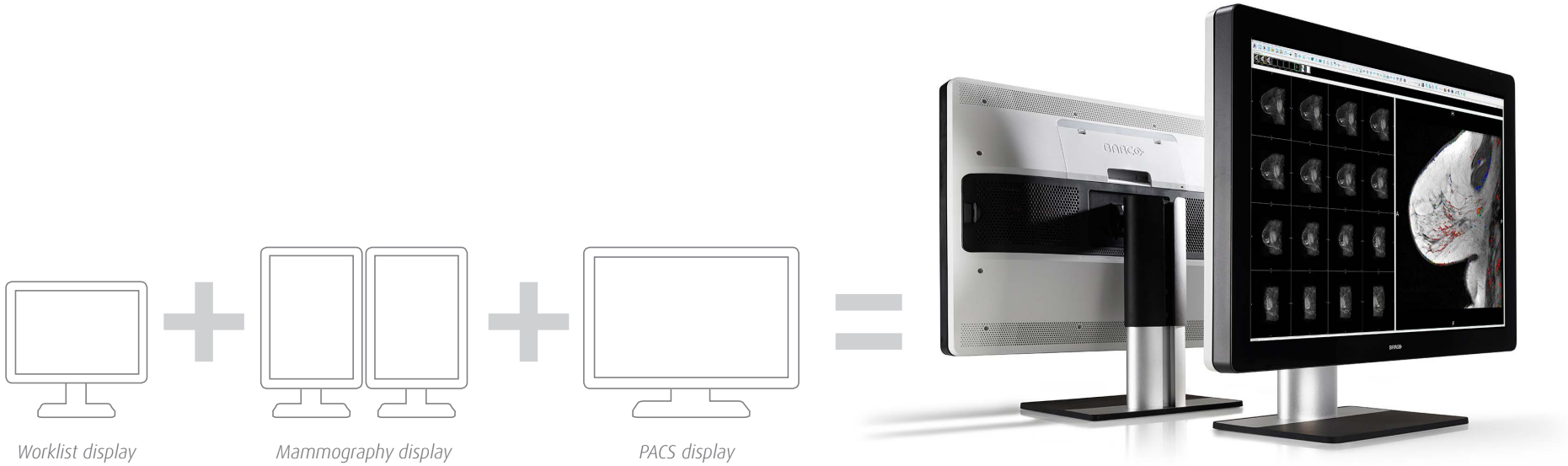
Now your reading room can look like this



One display. Any image.

Imagine reviewing both PACS and mammography, grayscale and color, 2D and 3D, static and dynamic images on a single display. One that features the best image quality you've ever witnessed, with guaranteed consistency across time and space, so you can view the smallest details. And one which is packed with cutting-edge ergonomic features that reduce occupational stress and strain so you work more comfortably – and confidently – all day long. That's exactly how Coronis Uniti™ makes any radiologist's dreams come true.

Introducing Coronis Uniti



Big and beautiful

Featuring the largest form factor today, 12 million pixels of pinpoint precision, the brightest calibrated colors and superb grays, Coronis Uniti™ offers the best image quality on the market. Featuring a unique aspect ratio, the display has been designed to mirror a human's natural field of vision so radiologists can view images comfortably without extraneous eye, head, and neck movement.

Because of its 1:1 image presentation and Optical Glass technology, Coronis Uniti always presents the best image without the need for scaling, panning or zooming. Its feature-rich design – including exceptional light control options and high-speed cine imaging – make Coronis Uniti the display your reading room deserves.

As a truly "unified" display, it brings together color PACS and breast images on a single screen, to enable a more thorough examination and confident diagnosis. For your radiology department, the result is a more efficient, cost-effective workstation built around a single display, which is simpler to manage and control.

No more boundaries



Get the bigger picture

The field of multi-modality imaging has seen rapid progress in the last decade with reading rooms fast becoming one of the busiest departments in the healthcare enterprise. Its value has been demonstrated in numerous studies: combining computed tomography (CT) and MRI, for example, provides stunning structural detail. By fusing anatomical and functional imaging, radiologists get the full picture.

Coronis Fusion



Engineered for different modalities

The first-ever Fusion display on the market and already in its 4th generation. That's Coronis Fusion. This multi-modality diagnostic display system streamlines your workflow, combining multiple images or studies on a single display – so switching between workstations becomes a thing of the past!

Ingeniously designed, Coronis Fusion lets you configure your screen as a single, widescreen display or two bezel-free heads. Image-enhancing features reveal the smallest details with sharper grayscales than ever before and picture-perfect colors, all on the same display. The result is a faster, more accurate diagnosis.

Boost your productivity

Researchers from the Montefiore Medical Center found that a 6MP diagnostic display increases productivity by up to 19% and reduces eye strain compared to a dual-head 3MP setup. What's more, Coronis Fusion features the latest exclusive IPS-Pro LCD panel technology, the sharpest images, and the highest calibrated luminance in the 6MP display range today to make your reading sessions even more productive.

Sometimes, innovation is just plain simple



Meet Nio and Coronis – two families of diagnostic displays that are ideal for high-quality imaging of diagnostic modalities. Available in color or grayscale. Starring 2 million or 5 million pixels – or anything in between. And packed with innovative features that make your image look the best it can. It's why Nio and Coronis are indispensable in any radiology department.

FROM INDUSTRY-STANDARD TO BENCHMARK

Nio

- QAWeb: on-demand calibration and quality checks
- FRONT SENSOR: front-of-screen sensor
- ULT: uniform luminance (on pixel area level)

Coronis

- QAWeb: fully automated QA & calibration
- MULTI-SENSOR: intelligent multi-sensor technology with patented I-Guard
- PPU: per pixel uniformity correction (on pixel level)

What Nio and Coronis have in common...



Engineered down to the smallest detail

Their integrated front-of-screen sensors have been designed for perfect luminance and DICOM calibration. They have no moving parts, so the front sensors are less prone to dust and damage. This results in accurate pixel measurements year after year – even with intensive use. Barco's I-Guard and Nio front sensors work wonderfully well with MediCal QAWeb and are included in the 5-year warranty.

Quick on the uptake

The bright LED backlights guarantee a luminance ratio that exceeds ACR guidelines, rendering more DICOM JNDs (Just Noticeable Differences) to expose subtle details. Innovative uniformity enhancements (on pixel or pixel area level) show the smallest radiographic abnormalities – without windowing and leveling!

With room for change

Angle the displays any way you like thanks to IPS WideView LCD technology. It prevents color and contrast shifts when viewing images off center. Built-in ambient light presets compensate for changing light conditions in the radiology reading room. And last but not least, the factory-fit front covers come with a proprietary, double-sided anti-reflective coating which reduces reflection to less than 0.5%.

Caring for women's health



Save lives

Breast cancer remains a top priority for healthcare organizations and society as a whole. According to the World Health Organization, it is the largest cause of cancer-related deaths for women worldwide, as at least 1 in 8 women will be diagnosed with breast cancer in their lifetime. On a more positive note, a reduction in breast cancer incidents has been reported, and death rates have been declining since the 1990s: the remarkable result of worldwide awareness campaigns, better treatment options, and early detection through improved screening. Facilitating detection of breast cancer in its earliest stage means investing in the newest screening methods and diagnostic technologies, which can literally save lives.

Preferred by 80% of screening centers

4 out of 5 breast screening centers choose Barco mammography display systems. These 5MP display systems – whether Mammo Tomosynthesis 5MP, Coronis, or Nio – are the perfect match for breast imaging, whether in 2D or 3D, on a large, bezel-free widescreen or on a dual-head workstation, using the sports car of mammography displays or a respectable sedan. The choice is yours.



A whole new dimension

Studies show that digital breast tomosynthesis finds more cancers earlier and has fewer false positives. Barco's Mammo Tomosynthesis 5MP, the first mammography display cleared by the FDA for digital breast tomosynthesis and multi-frame mammography, is joined by Coronis Uniti to bring you more than you could ever dream of: more speed (thanks to RapidFrame™ technology), more brightness (up to 2,000 nits), more lifespan (twice the average lifetime), and more grayscales (700 shades of gray).

Approved for
TOMOSYNTHESIS
MAMMOGRAPHY

What's unique about us?

Brilliance on screen. And behind it.

Innovative technologies that seamlessly integrate with your displays enrich your diagnostic imaging experience to boost their functionality and performance.

Purpose-powered display boards

Proprietary MXRT medical display controllers are your guarantee for leading-edge performance, flexibility as well as reliability and unmatched processing power for medical datasets. These boards are validated with the latest workstations and with all major PACS applications.

Enterprise-wide QA

MediCal QAWeb is the industry's only online service for high-grade Quality Assurance and DICOM calibration. This all-inclusive secured system guarantees consistent image quality and uptime of all PACS display systems throughout the hospital enterprise. Additional features include remote control, display asset management, problem solving and reporting.

Call it collaboration

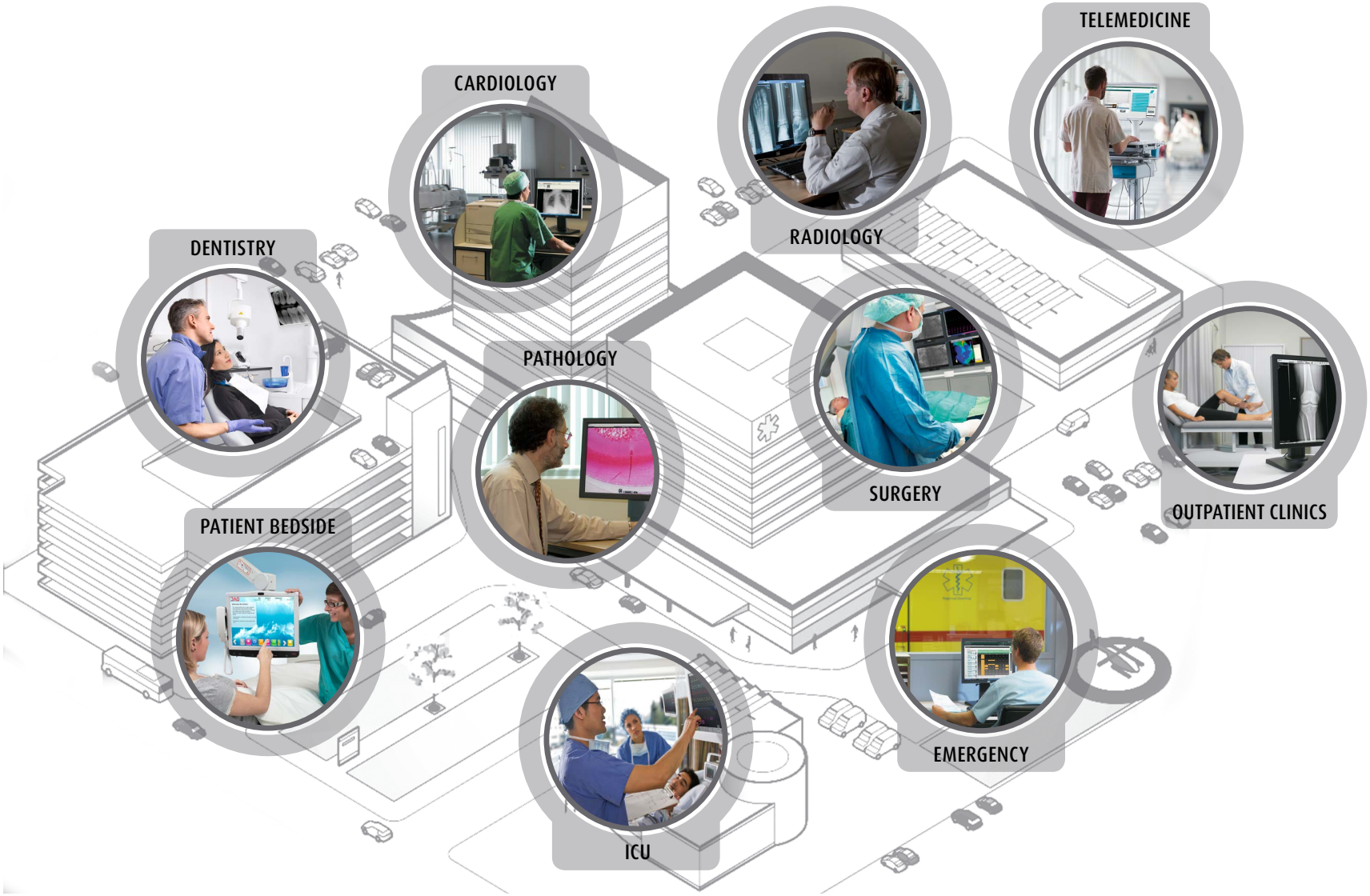
Ideal for academic symposiums, clinical training and other group learning environments, Conference CloneView enables large-screen viewing of precise diagnostic images to facilitate collaboration.



Need a worklist display?

Barco Eonis displays are the perfect sidekick for radiologists. These clinical review displays offer exceptional image quality and high brightness levels. A look under the hood reveals a unique asset: a front consistency sensor that guarantees consistent images. Every time the display is switched on, image quality is aligned anew. In short; your PACS images, RIS data and image-enabled EMR have never looked better, and will continue to do so for many years to come.

Here's where you'll find us.



Supporting healthcare professionals a billion times per year

More than a billion times each year, Barco display solutions help physicians make critical decisions. Every day, Barco provides them with peerless diagnostic performance.

Barco presents a full range of advanced display solutions for mammography, radiology, surgery, and pathology, along with DICOM-compliant clinical displays and point of care devices.

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.

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