

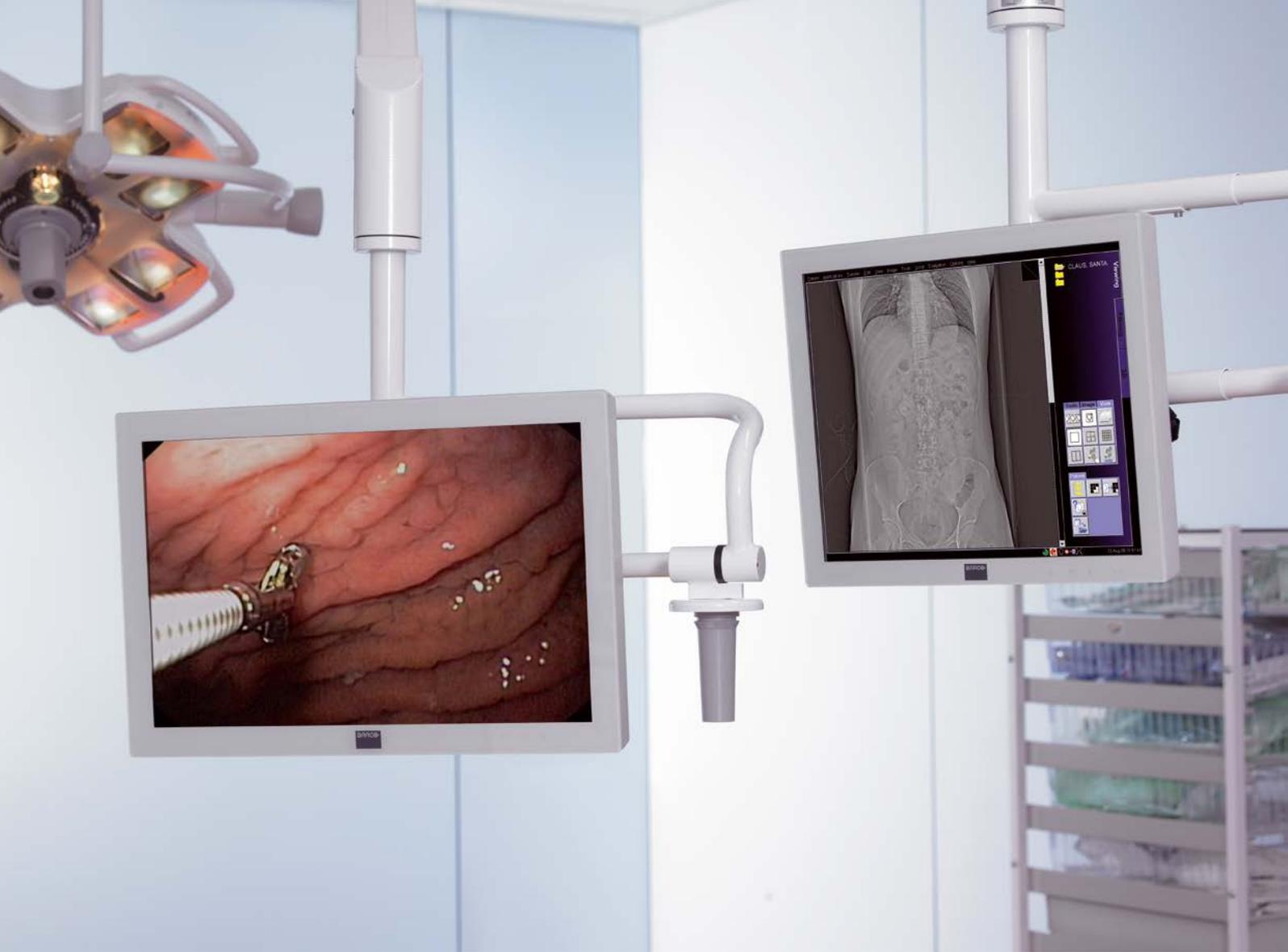
Barco surgical displays

High-accuracy visualization solutions for surgery and endoscopy



BARCO

Visibly yours



Near-patient surgical displays

The complexity of general and minimally invasive surgery places high demands on technology and medical staff. Surgical teams increasingly rely on modern imaging technology that delivers real-time views of patient anatomy as well as quick access to archived radiology images. With the MDSC family, we bring exceptional image quality, stability, and reliability to the operating theater. The 19, 24 and 26-inch displays offer a versatile visualization solution for endoscopic cameras, room and boom cameras, ultrasound, PACS and patient information.

The power of High Definition

High Definition technology is rapidly finding its way to the surgery suite. Surgeons agree that it offers more image detail, improves color accuracy and enhances their depth perception. Also, it allows them to see MIS instrumentation more clearly, tie knots easier and provide better patient care overall. Moreover, HD quality reduces the time needed for diagnosis, response, treatment and surgery, all enhancing surgical outcomes.

To experience the true power of HD, all elements of the imaging chain must be fully HD compatible, from camera to monitor. Therefore, we offer a full line of HD surgical displays, with screen sizes ranging from 24 inch to 58 inch.

MDSC at a glance

High-grade image quality

Thanks to their advanced image processing algorithms, the MDSC displays ensure extremely fast image renditions. As a result, users are presented with artifact- and lag-free pictures at all times, allowing for better hand-eye coordination. Optimized for High Definition endoscopy, the MDSC displays also contribute to the improved depth perception and enhanced recognition of anatomical landmarks resulting from HD cameras.

Optimum viewing comfort

High-bright LCD technology guarantees excellent performance under high ambient light conditions. Moreover, the very wide viewing angle ensures bright and color accurate images, even when the surgeon is not directly in front of the display. Individual user preferences can be configured and stored to create a streamlined and comfortable way of working.

Flexible, multi-source imaging

A multitude of analog and digital connectivity options (DVI, HDSI, RGBS, DVI optical,...) brings broad flexibility to the OR. Multiple sources can even be displayed simultaneously (Picture-In-Picture, Picture-And-Picture), to allow for ultimate freedom

in viewing. Even radiology images can be displayed with pinpoint accuracy, thanks to the display's integrated DICOM Look-Up-Table.

Easy cleaning and disinfection

Increasing concerns about healthcare-associated infections such as MRSA ask for firm sterility and contamination control policies. For this reason, the MDSC displays have been designed with a sealed, aluminum housing which offers protection against ingress of liquid, dust and other substances and makes them easy to clean and disinfect. The fan-less design avoids the spread of contaminants in the sterile field, while the anti-reflective front cover protects the valuable LCD against damage from intensive use.

Designed for the digital operating room

Thanks to their compatibility with the VESA standard, the MDSC displays are easy to install onto surgical carts or booms. Their built-in cable compartment hides and protects the cables. An RS232 communication function allows for remote control and easy integration in turnkey systems.

Available models

MDSC-1119



1
MP

19"
SCREEN

MDSC-2224



2
MP

24"
SCREEN

HD

MDSC-2226



2
MP

26"
SCREEN

HD



Large-screen OR displays

In today's equipment-packed operating theaters, surgical teams are faced with a growing need for imaging solutions that centralize all critical information on one screen and make it visible for everyone in the room. Barco OR displays respond to this demand by providing large-screen, high-resolution flat panel technology for the surgical suite.

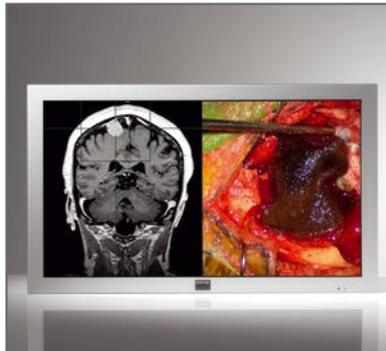
Our large-screen OR displays provide nurses, surgeons and anesthesiologists with smooth, artifact-free images that allow for better, more informed decisions and more efficient procedures. Typical applications include endoscopic video, radiology images, room and boom camera video, surgery information and patient records.

Available models

MDSC-8258



MDSC-2242



58-inch quad full HD display

Truly unique is the MDSC-8258. This 58-inch, 8 MegaPixel (3840 x 2160) surgical display delivers four times HD resolution on a single LCD panel. Designed for use in interventional radiology and in the surgical suite, the MDSC-8258 delivers superb brightness, a wide viewing angle and a fast response time for excellent hand-eye coordination.

Available in three versions:

MDSC-8258 L = without glass, without redundant power supply

MDSC-8258 RL = without glass and with redundant power supply

MDSC-8258 RLG = with glass and with redundant power supply

Large-screen images in High Definition

With a native resolution of 1920 x 1200 pixels, the MDSC-2242 presents patient information, pathology images and endoscopic video with pinpoint precision on a 42-inch screen. The large-screen (16:10) display delivers bright and crisp pictures that do full justice to surgery images in the bright OR environment. Their wide viewing angle ensures bright and color accurate images, even when the surgeon is not directly in front of the display. High Definition video sources (HD endoscopy cameras, HD surgical light cameras,...) can be connected through DVI and HD-SDI input.

Bringing PACS to the OR

Thanks to its integrated DICOM Look-Up-Table, the MDSC-2242 display also offers an ideal solution for PACS imaging in the OR. Installed against the wall as a large-screen digital lightbox, it can present life-size, DICOM-compliant images of the body parts that need treatment.

Smooth, artifact-free video images

Featuring an extremely fast response time, the MDSC-2242 reproduces moving surgery images with vivid accuracy. Moreover, the monitor automatically locks to the input frequency of the connected source, making all motion very smooth and without artifacts.

User-definable screen layout

Users can easily configure their screen for Picture-In-Picture or Picture-And-Picture layouts. This allows for more dynamic presentations, while displaying more information on the same screen. Size and position of the Picture-In-Picture setup are easy to configure.

Medically approved

The MDSC-2242 display is designed and certified for use in the digital operating room. Its splash-proof housing, full screen protection, and smart cable management system allow for easy cleaning and disinfection, while its fan-less design avoids the spread of contaminants in the OR.



Clinical displays

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 our Eonis clinical review displays: a new line of multi-purpose displays for hospital-wide viewing of clinical data and images. With Eonis, the quality that Barco is renowned for is now available to healthcare specialists across the hospital - and beyond.

Eonis at a glance

Controlled, excellent image quality

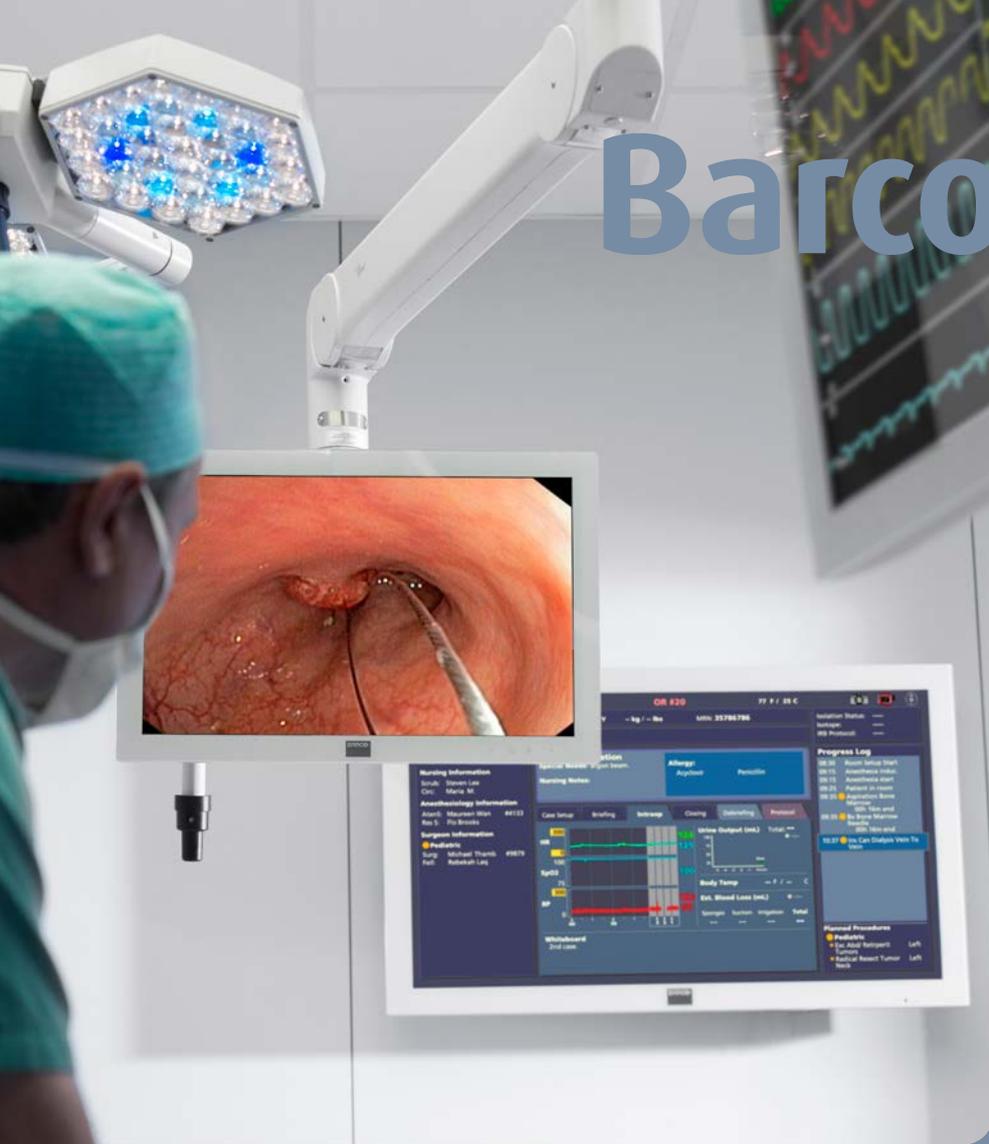
Eonis ensures sharp, bright images with high contrast and has a wide viewing angle. Its unique front sensor automatically aligns the image from the moment the display is turned on, to ensure all-time image consistency. The coherent image quality makes collaboration easy: everyone sees exactly the same images.

Asset management and quality assurance

Eonis displays make qualitative clinical reviewing available at an exceptional price. Eonis also keeps cost of ownership very low. It comes with Barco's MediCal QAWeb suite. The online platform performs automated quality assurance checks, provides detailed reports and makes it easy to centrally manage and configure displays across all hospital locations. At the click of a button.

Fit for clinical environments

Eonis is perfectly safe for use in a hospital environment. To help ensure infection control, Barco's white Eonis is rated IP-32 front and back. It is fully cleanable with 70% alcohol-based cleaning agents - a first in the market.



Barco

A trusted partner in medical imaging

Nearly twenty years of experience and innovation have placed Barco in a unique position at the heart of the medical imaging landscape. Barco has established a strong reputation in the industry with its comprehensive range of solutions for diagnostic, clinical and surgical imaging. Its commitment to quality and service has earned the trust of customers and partners from all over the world.

Committed to quality

Barco applies the most stringent quality standards throughout the development cycle of all its imaging products. This commitment to quality is your guarantee for long-term image quality and protection of your investment.

First-rate support wherever you are

For optimum peace of mind, customers can benefit from a full palette of dedicated services that optimize operational uptime while keeping expenses under control. Barco's worldwide network of support services is a guarantee for professional assistance, wherever you are, whenever you need it.

Available models

Eonis 22" (black or white)



- 2**
MP
- 22"**
SCREEN
- CONSISTENCY**
- CLEANABLE** **

Eonis 24" (black or white)



- 2**
MP
- 24"**
SCREEN
- CONSISTENCY**
- CLEANABLE** **

* white version only



About Barco Healthcare

More than a billion times each year, healthcare professionals rely on Barco to make life-critical decisions. Every day, Barco provides them with unmatched image quality and superior workflow efficiency so they can deliver the very best in patient care. Barco's comprehensive product offering includes leading-edge displays for radiology, mammography, surgery, dentistry, pathology and modality imaging, along with clinical displays for healthcare specialists, digital OR systems, and solutions for interactive patient care.

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