

# See with surgical precision

Barco surgical displays



# See with stunning clarity

The MDSC range is our series of surgical displays for the interventional and digital operating room. Ranging from near-patient to large-screen displays. Promising the best image quality out there, from full high definition (FHD) to 4K. The perfect visualization solution for endoscopic cameras, room and boom cameras, ultrasound, PACS and patient information.



## A picture perfect performance

### Real-life anatomical images

Superior HD and 4K display technology guarantees a wide color gamut with deep blacks and accurate colors, ensuring real-life presentation of the patient anatomy.

### Perfect hand-eye coordination

Image processing algorithms ensure images are calibrated, rendered quickly, and displayed precisely. For perfect hand-eye coordination.

### Reliable decisions

The integrated DICOM Look-Up Table ensures the most accurate representation of x-ray images. Color calibration matches the representation of colors on different displays within the OR and between ORs for aligned decisions.

### Easy to operate

We offer an **intuitive user interface (MUIP)** featuring Projected Capacitive Touch screen technology with multi- and single-touch functionality. So you can smoothly drive content from multiple sources to surgical displays, even when wearing surgical gloves. It is the perfect size and format for a variety of applications, including the hybrid OR and cardiac cath labs.



# 4K: clarity so crisp

The resolution and level of detail enabled by 4K technology is truly amazing! You get to see details you wouldn't have seen before. Depth perception is better too – and contrast and differences in color are clearer. It's as good as an open surgery.

AZ Groeninge, Belgium

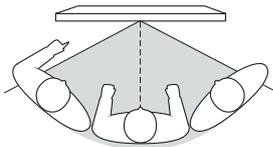
Our 4K displays not only present endoscopic images with a resolution four times that of HD, they display the best picture possible. Their performance has proven to be the best in terms of sharpness, contrast, and color - as well as design.

We ensure no image details are lost during distribution from source to display, whether in HD or 4K. Because we control the entire imaging chain, we don't need any special image-enhancing technologies. It's how we help you see everything with stunning clarity.



## Perfect colors

Accurate BT.709 and BT.2020 color reproductions offer a wider color gamut and bring perfect colors to the operating room.



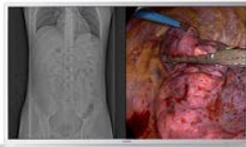
## No color shift off-angle

Critical colors, such as yellows and reds, will always look how they're supposed to, even when the surgeon is not directly in front of the display.



## Smart video

Smart video technology and noise reduction assure the best balance between good image quality and speed depending on the image content.



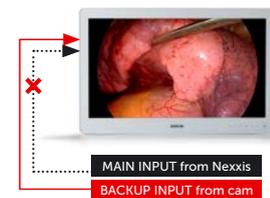
## Flexible multimodality imaging

A variety of inputs from different sources, whether new or legacy analog, static or dynamic, can be displayed simultaneously (PiP, PaP, quadview) for a flexible, comprehensive view of all information in the OR.



## Stable images

Backlight stabilization technology ensures a long display lifetime and consistent images over time.



## Backup guaranteed

A unique, automated failover feature guarantees a backup signal at all times to ensure safe surgery.

# Always reliable, surely safe

Barco surgical displays are the safest choice. We literally thought of everything: from a cleanable, clutter-free housing design to a scratch-free front glass. All displays comply with medical and industry standards, including MDD and IEC. No wonder all our surgical displays are approved for medical use.



## Optical perfection

A scratch-resistant, edge-to-edge front glass ensures the best optical performance.

## Hygienic

A smooth surface and splash-proof housing (IP-rated) allows for easy cleaning and disinfection.

## Clutter-free

A smart cable compartment in the back of the display hides the cables for a clutter-free set-up.

## No contamination

Smart features for vent cooling eliminate the need for fans, preventing the spread of contaminants.

Thanks to the anti-reflective front glass and fanless design, we can easily disinfect the displays with any product we use in the OR, making it a very safe and sanitary solution.

University Medical Center Rizk Hospital

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