Barco Healthcare
Medical solutions portfolio
About Barco

Focused on transforming the delivery of care, Barco connects health care professionals at every patient touchpoint, from the imaging room to radiology, through specialist consultations and into the surgical suite. We offer a network of medical imaging solutions that deliver the complete picture to support more informed decisions, when and where it matters most.
Increasing image volumes, the growing complexity of studies, and physical discomfort while reading are some of the biggest challenges radiologists face today.

We are able to provide capabilities that can improve the reading experience in all aspects: speed, accuracy, intuitiveness, flexibility and ergonomics. How? By offering a complete imaging solution – high-quality display, ultra-fast controller for fast image loading and manipulation and automated calibration & QA to ensure peak performance and uptime – in which all components function smoothly as a unified system.

Barco’s integrated technology platform enables us to develop a unique set of Intuitive Workflow features resulting in increased reading accuracy and decreased reading time. Only Barco display systems offer this diagnostic toolset, which adds a new dimension to radiologists’ workflow by streamlining frequent tasks with automated features. Designed to help you speed through your workload with ease, these built-in, easy-to-use functions appear at your command, seamlessly paving the way for effortless productivity and working comfort.

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More than a medical display

Radiology displays and mammography displays

Intuitive Workflow Tools line-up

<table>
<thead>
<tr>
<th></th>
<th>Coronis Uniti</th>
<th>MDPC-8127</th>
<th>Nio Gray/Color</th>
<th>Nio Color SMP</th>
<th>Eonis</th>
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<td>Coronis Uniti</td>
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1 Supports luminance control only
2 Replaced also allows Workflow Tools and Workflow Argus for Coronis Uniti and all Fusion models
3 Filmclip available on Mammo/Tomo model
4 Visit www.barco.com/IWT-compatibility for detailed information about which IWT and accessories are compatible with your Barco monitor
As a radiologist, with the eGFX Home Read Station you’re all set to start reading at home. It’s a flexible and mobile radiology workstation solution that assures dependable image quality and consistent workflow wherever and whenever you are working. Using an eGFX station connected over Thunderbolt™ 3, you can enjoy the same imaging performance, workflow productivity and tools at home as in the hospital.

**Your benefits**

- Preinstalled MXRT display controller for optimal performance
- Access to our suite of Intuitive Workflow Tools
- Aluminum design for lightweight performance
- Compact design and small footprint

The eGFX Home Read Station is subject to regional availability in North-America and Europe.

**Remote radiology reading**

Remote radiology reading

QAWeb Enterprise helps you manage quality and assure compliance of your expanding healthcare enterprise with less effort, lower cost, and complete confidence. This fully automated and secure system guarantees consistent image quality and uptime for all PACS display systems within your facility and across your enterprise.

**What makes QAWeb Enterprise so unique?**

- **Scalable:** Powerful tools to manage workstations from anywhere, at anytime
- **Flexible:** Customize policies to meet your quality requirements
- **Intuitive:** Effortless compliance and smart reporting
- **Secure:** Assured security and patient privacy

**Your benefits**

- Preinstalled MXRT display controller for optimal performance
- Access to our suite of Intuitive Workflow Tools
- Aluminum design for lightweight performance
- Compact design and small footprint

*The eGFX Home Read Station is subject to regional availability in North-America and Europe.*
The first diagnostic display system explicitly designed for both PACS and multimodality breast imaging. Unique in its spectacular representation of calibrated color and greyscales. Remarkable in its 2D and 3D capabilities. Capable of both static and dynamic imaging.

Your benefits

- One display for all images to unify your workflow
- 12% more pixels to display more or larger images
- The brightest display on the market - delivers exceptional brightness resulting in more JNDs
- Barco Optical Glass™ reduces reflections and improves contrast
- Proven 10% higher detection when scrolling digital breast tomosynthesis images
- Up to 30% increased detection probability of microcalcifications thanks to patented I-Luminate™ technology
- Optimized for the standard field of vision and low reflection to minimize eye-fatigue
- Intuitive workflow tools selectively dim/boost and focus light for closer inspection
- Cleared for multimodality breast imaging, incl. breast tomosynthesis, 3D mammography, breast MRI, breast ultrasound, CT and ultrasound, including vascular and gynecological ultrasound
- Industry-leading 5-year warranty

Coronis Fusion, perfected for color imaging with vivid and calibrated colors to help you see important color image details. Ergonomically designed to reduce repetitive stresses. Optimized for an efficient workflow with clinical tools proven to increase accuracy and decrease reading times.

Your benefits

- Bright, calibrated luminance of 600 cd/m² for the lifetime of the display
- Uniform luminance with patented Color FPU technology
- High contrast of 2000:1 to see subtle image details
- SteadyColor™ calibration technology to see details in the important color content of images
- Wide Gamut display
- Wide viewing angle in your field of view
- Higher brightness allows you to see more details with less eye strain
- SoftGlow™ task and wall lighting
- SpotView™ to see more details in the image more quickly – increased accuracy and decreased reading time
- Auto QA and compliance tests meet the latest regional standards
- Assurance compliance and uptime of all your PACS workstations
- Intervention-free QA saves time, reduces effort and cost
- Industry-leading 5-year warranty
A family of diagnostic displays ideal for high-quality imaging of diagnostic modalities. Engineered down to the smallest detail to ensure perfect luminance and DICOM compliance.

Your benefits

- Highest brightness and contrast - luminance ratio exceeds ACR guidelines
- Exceptional local contrast optimized for faster reading
- Subtle details are more conspicuous for easy detection (Per Pixel Uniformity)
- Real-time intervention-free calibration and QA
- Factory-fit glass front cover reduces reflections (<0.5%)
- Comes with i-Luminate to help increase the detection probability of small objects like calcifications
- Industry-leading 5-year warranty

More screen, more mammo

Nio Color 5MP

- Designed for radiology and mammography with 3:4 body-like aspect ratio
- Smooth and long-lasting calibrated colors and grays with SteadyColor technology
- Front sensor and QA Web for always-on compliance

Models and options
# Radiology Displays and Mammography Displays

## Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Nio Color 2MP</th>
<th>Nio Color 3MP</th>
<th>Coronis Fusion 4MP</th>
<th>Nio 5MP</th>
<th>Nio Color 5MP</th>
<th>Coronis 5MP</th>
<th>Coronis Fusion 6MP</th>
<th>Nio Fusion 12MP</th>
<th>Coronis Uniti*</th>
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<td>5 years</td>
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<td>432 x 324 mm (17.0 x 12.8&quot;)</td>
<td>433 x 325 mm (17.0 x 12.8&quot;)</td>
<td>655 x 410 mm (25.8 x 16.1&quot;)</td>
<td>422.4 x 337.9 mm (16.5 x 13.3&quot;)</td>
<td>433 x 325 mm (17.2 x 12.8&quot;)</td>
<td>422.4 mm x 337.9 mm (16.5 x 13.3&quot;)</td>
<td>654 x 409 mm (25.8 x 16.1&quot;)</td>
<td>653 x 435 mm (25.8 x 17.1&quot;)</td>
<td>708.1 x 472.1 mm (27.8 x 18.6&quot;)</td>
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<td>Screen technology</td>
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<td>TFT AM Color LCD IPS</td>
<td>IPS-TFT color LCD</td>
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<td>a-si TFT active matrix dual domain IPS</td>
<td>a-si TFT active matrix dual domain IPS</td>
<td>IPS-TFT color LCD</td>
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<td>IPS</td>
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<td>540 mm (21.3&quot;)</td>
<td>772 mm (30.4&quot;)</td>
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<td>540 mm (21.3&quot;)</td>
<td>772 mm (30.4&quot;)</td>
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<td>4.5</td>
<td>3.4</td>
<td>4.5</td>
<td>4.5</td>
<td>4.5</td>
<td>16.10</td>
<td>3.2</td>
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<td>Resolution</td>
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<td>3MP (1536 x 2048)</td>
<td>Native 4MP (2560 x 1600)</td>
<td>Configurable to 2 x 2MP+ (2560 x 1600)</td>
<td>2MP (2048 x 2560)</td>
<td>5MP (2010 x 2800)</td>
<td>5MP (2048 x 2560)</td>
<td>Native 6MP (2520 x 2048)</td>
<td>Configurable to 2 x 3MP+ (2000 x 2520)</td>
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<td>1050 cd/m² (600 cd/m²)</td>
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<td>DVI-D Dual Link, DisplayPort</td>
<td>DisplayPort 1.2 (x2)</td>
<td>DVI-D Dual Link, DisplayPort</td>
<td>DVI-D Dual Link, DisplayPort</td>
<td>DVI-D Dual Link, DisplayPort</td>
<td>DisplayPort 1.2 (x2)</td>
<td>DisplayPort 1.2 (x2) with built-in KVM switching</td>
<td>DisplayPort 1.2 (x2)</td>
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<tr>
<td>Package includes</td>
<td>Nio display system, MRXT graphics controller, Intuitive Workflow toolset, 5-year all-inclusive warranty, QAWeb</td>
<td>Nio display system, MRXT graphics controller, Intuitive Workflow toolset, 5-year all-inclusive warranty, QAWeb</td>
<td>Coronis Fusion diagnostic display system, MRXT graphics controller, Intuitive Workflow toolset, 5-year all-inclusive warranty, QAWeb</td>
<td>Coronis Fusion display system, MRXT graphics controller, Intuitive Workflow toolset, 5-year all-inclusive warranty, QAWeb</td>
<td>No display system, MRXT graphics controller, Intuitive Workflow toolset, 5-year all-inclusive warranty, QAWeb</td>
<td>Coronis diagnostic display system, MRXT graphics controller, Intuitive Workflow toolset, 5-year all-inclusive warranty, QAWeb</td>
<td>Coronis Fusion diagnostic display system, MRXT graphics controller, Intuitive Workflow toolset, 5-year all-inclusive warranty, QAWeb</td>
<td>No display system, MRXT display controller option, Intuitive Workflow toolset, Warranty for 5-years including 40,000 hour back guarantee, QAWeb</td>
<td>Coronis Uniti diagnostic display system, MRXT graphics controller, Intuitive Workflow toolset, 5-year all-inclusive warranty, QAWeb</td>
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<td>Additional MRXT graphics controller options, Additional service and warranty options</td>
<td>Additional MRXT graphics controller options, Additional service and warranty options</td>
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<td>Additional MRXT graphics controller options, Additional service and warranty options</td>
<td>Additional MRXT graphics controller options, Additional service and warranty options</td>
<td>Additional MRXT display controller options, Additional service and warranty options</td>
<td>Additional service and warranty options</td>
</tr>
</tbody>
</table>
Pathology display

Meet MDPC-8127, Barco’s ultra-high definition 27-inch medical display designed exclusively for digital pathology. With regulatory clearances for use in digital pathology including primary diagnosis, it’s the first display that you can confidently integrate into your digital pathology workflow with multiple whole slide imaging systems.*

*In the USA the MDPC-8127 can be used with WSI scanners and viewing software that have been validated for use with the display.

**Your benefits**

- Unprecedented visual richness and color confidence
- Clear images and greater visible slide area, at all magnifications
- Effortless panning and zooming with minimal blurring
- Constant, stable image quality with automated color calibration

**MDPC-8127 specifications**

- Warranty: 5 years
- Active screen size: 569 x 335 mm (22.4 x 13.2”)
- Screen technology: IPS LCD with LED
- Diagonal size: 684 mm (27”)
- Aspect ratio: 16:9
- Native resolution: 8MP (3840 x 2160 @ 120Hz)
- Luminance: 450 cd/m² (max. 850 cd/m²)
- Contrast ratio: 1000:1
- Color depth: 10 bit
- Color gamut: 132% sRGB
- Sensor technology: I-Guard & ambient light sensors
- Imaging technology: RapidFrame, PPU
- Video input signals: 2x DisplayPort 1.2
- Medical device regulations:
  - FDA: Class II
  - EC: Medical Device Class IIa (Medical Device Directive 93/42/EEC, amended by 2007/47/EC)
- Package includes: MDPC-8127, QAWeb Enterprise, Barco touchpad, 5-year warranty
- Options:
  - MXRT display controller
  - Intuitive Workflow Toolset
  - Additional warranty and service options

MDPC-8127 digital pathology
Dentistry displays and clinical review displays

A family of clinical displays for use in key clinical specialties and dental practices. Eonis delivers unmatched image consistency – providing healthcare professionals with consistent images, wherever they are – to make collaboration between specialists easier. Eonis displays can be managed centrally with GARWeb.

Your benefits

> Designed for hospital and dental environments
> Ambient Light pre-sets for dark rooms, offices and the OR
> Supports efficient inter-disciplinary collaboration with consistent quality controlled images
> Cleanable displays for infection control (70% alcohol-based cleaning agents)
> Efficient and intelligent enterprise IT workflow thanks to a built-in sensor with software tool to manage quality and assets
> Lowest cost-of-ownership over time without a need for capital budget
> 3-year warranty

Eonis put to the test

Eonis vs consumer displays

Are you a dentist working in Germany?
Visit www.barco.com/de/dental to find a solution that complies with the DIN 6868-157 standard.
### DENTISTRY DISPLAYS

<table>
<thead>
<tr>
<th>Model</th>
<th>Eonis 22&quot; white</th>
<th>Eonis 24&quot; white</th>
<th>Nio Color 2MP</th>
<th>Nio Color 3MP</th>
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<td>Integrated front-of-screen sensor, ALC, presets</td>
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<td>DisplayPort, DVI</td>
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### MULTIMODALITY USER INTERFACES

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<td>376 x 301 mm (14.81 x 11.85”)</td>
<td>432 mm x 324 mm (17” x 12.76”)</td>
</tr>
<tr>
<td>Screen technology</td>
<td>IPS-TFT Color LCD</td>
<td>TFT Color LCD</td>
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<tr>
<td>Diagonal size</td>
<td>482 mm (19”)</td>
<td>541 mm (21.3”)</td>
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<tr>
<td>Aspect ratio</td>
<td>5:4</td>
<td>4:3</td>
</tr>
<tr>
<td>Native resolution</td>
<td>1MP (1280 x 1024)</td>
<td>2MP (1600 x 1080)</td>
</tr>
<tr>
<td>Luminance (DICOM calibrated)</td>
<td>330 cd/m² (250 cd/m²)</td>
<td>440 cd/m² (250 cd/m²)</td>
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<tr>
<td>Contrast ratio</td>
<td>1000:1</td>
<td>1500:1</td>
</tr>
<tr>
<td>Screen protection</td>
<td>Optional: PCAP touchscreen</td>
<td>Optional: PCAP touchscreen</td>
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<tr>
<td>Front sensor technology</td>
<td>Front consistency sensor</td>
<td>Front consistency sensor</td>
</tr>
<tr>
<td>Video input signals</td>
<td>DisplayPort, DVI-I</td>
<td>DisplayPort, DVI-I</td>
</tr>
<tr>
<td>Medical device regulations</td>
<td>FDA: Medical device class I EC: Medical device class I (Regulation (EU) 2017/745)</td>
<td>FDA: Medical device class I EC: Medical device class I (Regulation (EU) 2017/745)</td>
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<td>Package includes</td>
<td>• Eonis display</td>
<td>• Eonis display</td>
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<tr>
<td></td>
<td>• 3-year all-inclusive warranty</td>
<td>• 3-year all-inclusive warranty</td>
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<tr>
<td></td>
<td>• QAWeb</td>
<td>• QAWeb</td>
</tr>
<tr>
<td></td>
<td>• MXRT graphics controller</td>
<td>• MXRT graphics controller</td>
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<tr>
<td></td>
<td>• PCAP touchscreen</td>
<td>• PCAP touchscreen</td>
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<tr>
<td></td>
<td>• Intuitive Workflow toolset</td>
<td>• Intuitive Workflow toolset</td>
</tr>
<tr>
<td></td>
<td>• High-bright version</td>
<td>• High-bright version</td>
</tr>
<tr>
<td></td>
<td>• Additional service and warranty options</td>
<td>• Additional service and warranty options</td>
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<tr>
<td>Options</td>
<td>• MXRT graphics controller</td>
<td>• MXRT graphics controller</td>
</tr>
<tr>
<td></td>
<td>• PCAP touchscreen</td>
<td>• PCAP touchscreen</td>
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<td></td>
<td>• Intuitive Workflow toolset</td>
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<td></td>
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<tr>
<td></td>
<td>• Additional service and warranty options</td>
<td>• Additional service and warranty options</td>
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Surgical displays

A family of surgical displays designed for real-time imaging in the operating room. The portfolio comprises near-patient and large-screen displays for use in any environment where surgical procedures are carried out, including the endoscopy room, interventional suite or hybrid OR. Available in high definition or 4K ultra-high definition.

Your benefits

- Deep blacks and accurate colors from any viewing angle
- 4:4:4 chroma subsampling for impeccable color accuracy
- Near-zero latency provides perfect surgical hand-eye coordination
- Improved visualization in high ambient light environments
- Backlight output stabilization guarantees image stability and brightness over the lifetime of the display
- Cleanable infection control design complies with strict OR hygiene standards
- Unique cable management system makes it easy to install and disinfect
- Automated failover feature so a backup signal is always available
- Perfect match with Barco’s Nexxis OR-over-IP platform for full OR integration
- 2-year warranty for MDSC-8358

4 ways 4K changes surgical imaging:

Download ebook

Fabulous 4K in the OR

Watch video
Barco’s MDMX family is a series of in-wall consoles for the operating room. Combine and view multiple images, by relying on an intuitive control system. The consoles have built-in Nexxis functionality and a programmable Nexxis button, so they can be integrated easily within both new and existing Nexxis systems.

**Your benefits**

> Enjoy ergonomic viewing support for everyone in the OR: from doctors and nurses to trainees
> Place multiple images or video sources next to each other
> Don’t lose space, the consoles are built into the OR wall
> Interact with remote-PC video sources as if you’re in front of them
> 2-year warranty

### Specifications

<table>
<thead>
<tr>
<th>MDMX-24400 GTNB</th>
<th>MDMX-25500 GNNB</th>
<th>MDMX-22449 GNTB</th>
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</thead>
<tbody>
<tr>
<td><strong>Warranty</strong></td>
<td>2 years</td>
<td>2 years</td>
</tr>
</tbody>
</table>
| **Active screen size** | 15": 376 x 73 mm (14.8 x 2.9")  
24": 527 x 296 mm (20.8 x 11.7")  
24": 527 x 296 mm (20.8 x 11.7")  
49": 1074 x 604 mm (42.3 x 23.8") |
| **Screen technology** | 15": MVA/WLED  
24": IPS/WLED  
49": IPS/WLED |
| **Diagonal size** | 15": 384 mm (15.1")  
24": 605 mm (23.8")  
49": 1232 mm (48.5") |
| **Aspect ratio** | 15": 160:31  
24": 16:9  
49": 16:9 |
| **Native resolution** | 15": 1280 x 248  
24": 1920 x 1080  
49": 3840 x 2160 |
| **Luminance** | 15": 300 cd/m²  
24": 250 cd/m²  
49": 500 cd/m² |
| **Contrast ratio** | 15": 2000:1  
24": 16:9  
49": 1100:1 |
| **Screen protection** | Protective, anti-reflective glass front cover  
Protective, non-reflective glass cover  
Protective, non-reflective glass cover |
| **Cleanability** | N/A  
N/A  
N/A |
| **Video input signals** | 1 x 10GbE Fiber Optic Interface for 24" FHD Nexxis link  
Optional: 2 x 10GbE Fiber Optic Interface for 2x mobile device connectivity on front  
2 x 10GbE Fiber Optic Interface for 55" UHD Nexxis link  
Optional: 4 x 10GbE Fiber Optic Interface for 2x mobile device connectivity on front  
1 x 10GbE Fiber Optic Interface for 24" FHD Nexxis link  
2 x 10GbE Fiber Optic Interface for 49" UHD Nexxis link  
Optional: 4 x 10GbE Fiber Optic Interface for 2x mobile device connectivity on front |
| **Medical device regulations** | Medical device  
Class I  
Medical device  
Class I  
Medical device  
Class I |
| **Options** | Touchscreen  
Neutrik opticalCON accessories  
Keyboard/trackpad module  
Ask about our different model options and associated accessories  
Additional service and warranty options |
| **Touchscreen** | 1 or 2 keyboard/trackpad modules  
Ask about our different model options and associated accessories  
Additional service and warranty options |
|  |  |  |

**Your benefits**

- Enjoy ergonomic viewing support for everyone in the OR: from doctors and nurses to trainees
- Place multiple images or video sources next to each other
- Don’t lose space, the consoles are built into the OR wall
- Interact with remote-PC video sources as if you’re in front of them
- 2-year warranty
Platforms for the digital operating room

Nexxis™ is our video-over-IP platform for the integrated digital operating room. It makes it possible for you to share uncompressed, high-resolution video (and audio) in and between your operating rooms. This unique technology platform has been specifically designed for integration into the digital OR.

Your benefits

- Raw, uncompressed images – eliminating artifacts
- Near-zero latency for perfect hand-eye coordination
- 4K end-to-end
- 3D imaging for minimally invasive surgery with MDSC-8232 M3D surgical 3D 4K display
- Simple to set up the OR (all you need is a single optical cable)
- Easy plug and play of devices
- Central & remote control
- Always up to date with the latest networking and visualization technologies
- Easy to adopt new integration requirements in the OR
- Easy to connect new ORs to the network architecture
- Expansion results in lower TCO

Nexxis received FDA 510(k) clearance and is registered as medical device in EU. Every part of the solution has been designed and approved for use in a surgical environment. Ask your integration partner about it and find out how it enhances operational efficiency, team collaboration and surgical precision!
Nexxis Workspot
Control room solution for interventional surgery

Offering one view of all information as well as flexible layouts, Nexxis WorkSpot has been designed to improve teamwork and reduce clutter and complexity in the interventional control room. It brings together all imaging sources on a single display, managed by a single keyboard and mouse.

NexxisCare
Cloud-based software system for remote OR management

OR integrators can use our OR management suite for remote monitoring, troubleshooting, proactive maintenance, and asset management. The cloud-based system supports your hospitals, facilities and surgical teams in delivering their best performance.

Get access to the latest software and security updates, and focus on what truly matters: elevating patient health and providing advanced care.

NexxisLive
Cloud-based solution for remote surgical collaboration

Remote work is everywhere, so why not make it happen to achieve better patient outcomes in surgery? With NexxisLive, you can involve the right people for any intervention, wherever they are.

Teleassistance, teleconferencing, and telementoring: the platform expands your OR virtually and securely. Increase your surgical performance with excellent video quality, minimal latency and annotation options.

NexxisLive does not require Nexxis to be installed in the OR, the software platform functions independently.

Barco technologies that make a difference
I-Guard™ front sensor

This integrated, patented front-of-screen photometer has become the industry-standard technology for monitoring image quality and DICOM consistency. The new generation of I-Guard has been improved to measure much finer gradations of colors spread over the color gamut of the display. Combined with Barco’s QAWeb service, it provides an easy-to-use tool for calibration and Quality Assurance.

Ambient Light Compensation™ (ALC)

Ensures that your diagnostic display system remains DICOM compliant under all lighting conditions by monitoring display brightness compared to the ambient light level in the room. In combination with QAWeb, ALC warns you when the ambient light level exceeds a predefined threshold.

Uniform Luminance Technology™ (ULT)

LCD panels typically suffer from non-uniform behavior across more than 25% of the screen area, causing noise in the image. ULT eliminates those luminance and color non-uniformities, making sure that your display is compliant with DICOM GSDF across the entire screen area.

Color Per Pixel Uniformity™ (PPU)

Measures and adjusts the luminance of each pixel and makes it permanently DICOM compliant. As such, PPU eliminates screen noise, ensuring consistent colors and grayscale.

Fusion

‘Fusion’ design replaces a dual-head display setup by a single, large-screen monitor without a hindering central bezel. It allows you to place more images on the screen – just the way you want – which has proven to increase productivity by up to 19% and reduce eye strain.

Barco Optical Glass™

Reduces reflection, enhances image sharpness and viewing comfort. The multi-coated glass is highly durable, scratch-resistant, and protects the LCD panel from physical damage. A protective front cover – available on all Barco displays – further enhances the diagnostic experience.

Benefits

> Worry-free DICOM accuracy
> Continuous, automated QA of the entire optical stack
> Remote assessment of your display’s image quality

Benefits

> DICOM compliance under all lighting conditions
> Optimal image quality in every environment so no detail goes unnoticed

Benefits

> Uniform luminance across the entire screen
> Perfect DICOM compliance from center to corner

Benefits

> Reduced screen noise
> Improved contrast and accuracy in fine details
> Improved image quality at a lower dose to the patient

Benefits

> Protection of your valuable LCD panel
> Improved image contrast & minimal reflections
> Easy and safe cleaning

Benefits

> Improved reading productivity
> Easy side-by-side comparison of studies
> Reduced eye fatigue

Benefits

> Protection of your valuable LCD panel
> Improved image contrast & minimal reflections
> Easy and safe cleaning
IPS-Pro

**RapidFrame™**

A breakthrough LCD architecture offering a significantly wider viewing angle than competing LCD technologies. It ensures images are displayed more accurately and with a higher contrast ratio near the sides of the display. With IPS-Pro, the viewing angle is 120°, which is nearly twice the value achieved by other technologies.

**I-Luminate™**

For high-speed cine imaging without blur when reviewing multi-frame image sequences – such as CT, tomosynthesis, breast ultrasound and breast MRI – or when hovering over the image with the magnifying glass. RapidFrame technology counteracts motion blur by more quickly adapting pixels to a high frame rate.

**SteadyColor™ & SteadyGray™**

Benefits

> Superior diagnostic accuracy
> Wider viewing angle improves multiuser viewing
> High-speed cine imaging without blur for fast interpretation
> Increased screening efficiency due to highly efficient diagnostic workflow
> Enhanced perception of small and low contrast details
> Simplified comparison with film-based studies
> Uninterrupted DICOM-compliance

This brightness boost system has proven to increase detection probability of microcalcifications by up to 30%! Simply push the I-Luminate™ hot light button to temporarily boost your display brightness. Combined with Barco’s handy film clip, I-Luminate allows you to compare studies with film-based priors on the display.

**SpotView™**

Benefits

> Enhanced perception of small and low contrast details
> Simplified comparison with film-based studies
> Uninterrupted DICOM-compliance

Around 90% of images generated are now in color and color is often used for additional functionality (e.g. combining Doppler images with ultrasound). In order to guarantee consistent, perceptually linear color and still meet the DICOM standard for grayscales, SteadyColor executes advanced calibration for both grayscale and all Just Noticeable Differences (JNDs). This is achieved using multiple sensors in combination with numerous 3D Look-Up Tables (LUTs). SteadyGray uses the same color calibration technology to achieve a more constant and consistent gray appearance.

**DimView™**

Benefits

> Improved focus on the main display, no distractions
> More ergonomic reading experience

DimView automatically dims the auxiliary displays used for patient worklists or dictation, reducing peripheral ambient light during readings so the eye can better focus on details on the diagnostic display.

**Benefits**

> Maximize the diagnostic value of color in images
> Maintain image quality and DICOM compliance under all lighting conditions
> Better visibility of subtle differences in the image
> Extremely helpful when viewing pediatric extremities, breast calcifications and chest exams

**SteadyColor technology highlight**

As the pioneer and industry leader of medical calibration technology, Barco defined the image quality standard for diagnostic viewing applications with the SteadyColor™ color calibration technique. With our latest color display systems, QAWeb incorporates the vast color know-how Barco has developed over the past several decades into SteadyColor to further advance one of its core technologies.

SteadyGray™ uses the same color calibration technology to achieve a more constant and consistent gray appearance. SteadyGray ensures that all gray values are as close as possible to the tint of the selected white color, whether that is blue base, clear base, or some other preferred white tint.

**Download**

**Before SteadyColor**

**After SteadyColor**

**SteadyColor & SteadyGray Technology highlight**

**SpotView video**

**DimView video**
The use of multiple resolution displays in a PACS workstation results in the cursor often getting stuck traveling from one display to another, if you can even locate the cursor in the first place. SmartCursor maps the cursor to the correct places in the adjacent display. FindCursor indicates the location of the cursor with a highlighted circle.

**Benefits**

- Avoid losing time locating or moving the mouse cursor
- Smoother and faster workflow

VirtualView provides radiologists with a virtual navigational head on the main display. It appears and disappears on user command, allowing you to add or remove this screen content at your convenience.

**Benefits**

- View other screen content more comfortably
- Ideal for viewing worklists, research, dictation, or ancillary tasks
- Reduce the number of displays needed; simplify the desktop

Conference CloneView software is a high-performance, easy-to-use tool for projecting medical images from a diagnostic display onto a large screen, especially useful in classroom settings.

**Benefits**

- High-quality cloned image without losing pixel precision
- Fosters collaboration between peers
- Ideal during multi-disciplinary team meetings

Application Appearance Manager allows you to individually manage the color profile and luminance of each application window so content appears as intended.

**Benefits**

- Seamlessly integrate color (e.g. color photos) into the diagnostic workflow
- Manage the luminance of application windows depending on image content

User Profiles creates a custom profile, set per modality and per user. It enables a quick environment switch for image type, such as a lower luminance for X-ray images and a hig

**Benefits**

- Read images according to your own preferences
- Automatically get the right display settings for every modality

SingleView enables the use of the entire display as one display, and eliminates any tearing down the center of the display.

**Benefits**

- More flexible desktop where images can be placed in the center of the screen
- More ergonomic viewing experience

Capturing ideal images for meetings and review, this tool enables you to take a screenshot of what is currently in focus.

**Benefits**

- Easy to communicate and share images and data
- Fosters easy collaboration between peers

The use of multiple resolution displays in a PACS workstation results in the cursor often getting stuck traveling from one display to another, if you can even locate the cursor in the first place. SmartCursor maps the cursor to the correct places in the adjacent display. FindCursor indicates the location of the cursor with a highlighted circle.

**Benefits**

- Avoid losing time locating or moving the mouse cursor
- Smoother and faster workflow
## Icon overview

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard 5-year warranty</td>
<td>Front-of-screen sensor</td>
</tr>
<tr>
<td>10 bit Look Up Table</td>
<td>Approved for medical use</td>
</tr>
<tr>
<td>12 bit Look Up Table</td>
<td>On Screen Display</td>
</tr>
<tr>
<td>30 bit Look Up Table</td>
<td>Per Pixel Uniformity correction</td>
</tr>
<tr>
<td>LED backlight</td>
<td>QA software included</td>
</tr>
<tr>
<td>Integrated Ambient Light Compensation</td>
<td>Ultra-smooth grayscale precision</td>
</tr>
<tr>
<td>Backlight Output Stabilization</td>
<td>Widescreen aspect ratio</td>
</tr>
<tr>
<td>Color display</td>
<td>DisplayPort interface</td>
</tr>
<tr>
<td>Grayscale display</td>
<td>Multiple built-in sensors</td>
</tr>
<tr>
<td>Anti-reflective protective front cover</td>
<td>Cleared for breast tomosynthesis</td>
</tr>
<tr>
<td>Anti-reflective protective front glass</td>
<td>'Hot light' button</td>
</tr>
<tr>
<td>Diagnostic Luminance (Ultra bright display)</td>
<td>High-speed cine imaging without blur</td>
</tr>
<tr>
<td>Compliant with DICOM specifications</td>
<td>Front consistency sensor</td>
</tr>
<tr>
<td>Long-lifetime backlights</td>
<td>Standards for medical use</td>
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<td>Environmental-friendly product</td>
<td>Standards for medical use</td>
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<td>Seamless wide-screen desktop</td>
<td>Standards for medical use</td>
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<tr>
<td>Integrated front-of-screen sensor</td>
<td>Standards for medical use</td>
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<tr>
<td>4K native display resolution of 4096 by 2160 pixels</td>
<td>Displays a wide range of colors</td>
</tr>
<tr>
<td>Glasses-based 3D technology</td>
<td>Easily switch between 2 workstations attached to the display</td>
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<tr>
<td>Dim and mask non-critical areas for improved optical accuracy</td>
<td>A virtual display</td>
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<tr>
<td>Standards for medical use</td>
<td>Highlights region of interest</td>
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<td>Standards for medical use</td>
<td>Dims auxiliary displays</td>
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<td>Standards for medical use</td>
<td>Locates the mouse cursor</td>
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<tr>
<td>Standards for medical use</td>
<td>Avoids the cursor getting stuck</td>
</tr>
<tr>
<td>Standards for medical use</td>
<td>For large-screen projection</td>
</tr>
<tr>
<td>Standards for medical use</td>
<td>4K native display resolution of 4096 by 2160 pixels</td>
</tr>
<tr>
<td>Standards for medical use</td>
<td>Allows daisy chaining of displays</td>
</tr>
<tr>
<td>Standards for medical use</td>
<td>Displays a wide range of colors</td>
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<tr>
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About Barco Healthcare

Improving the quality and value of care are the leading priorities for healthcare professionals today. At a time when the amount of data and demand for mobility are growing rapidly and quality and compliance regulations are becoming stricter, healthcare systems struggle to work more efficiently, and to provide personalized care to a growing number of patients in an affordable way.

Focused on transforming the delivery of care, Barco connects healthcare professionals at every patient touch point, from the imaging room, to radiology, through specialist consultations and into the surgical suite. We offer a network of medical imaging solutions that deliver the complete picture to support more informed decisions, when and where it matters most.

It’s why we are considered the gold standard for medical visualization and how we are there at every stage of the patient’s journey. So healthcare professionals can focus on patients’ needs and, in the end, achieve the best clinical outcome.

Barco, enabling bright outcomes


3 Mony Weschler, Montefiore Medical Center, 2012