About Barco

Focused on transforming the delivery of care, Barco connects healthcare professionals at every patient touchpoint, from the imaging room to radiology, through specialist consultations and in 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.

Diagnostic displays
More than a medical display

Increasing image volumes, the growing complexity of studies, and physical discomfort while reading are the three biggest challenges radiologists face today. That is the conclusion of a 2014 survey conducted by The MarkeTech Group. The solutions? Improved image quality (91%), a more efficient workflow (77%), and better display ergonomics (70%), as indicated by radiologists themselves.

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.

Intuitive Workflow tools line-up

Click icons for video >

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<th>Corsonis Uniti</th>
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<th>Nio Color 5MP</th>
<th>Eonis</th>
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1. MDCC-5221, MDCC-5221
2. MDCC-4230, MDCC-4330, MDCC-4430, MDCC-6430, MDCC-6530
3. Enables I-Luminate during SpotView
4. Optional on MDM and SMP Coronis Fusion Display
5. Luminance adjustment only; color profile switching only available on Corsonis Uniti, Corsonis Fusion and Nio Color 5MP

The Barco Touchpad also enables the Align tool on Coronis Fusion and Corsonis Uniti.

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 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

Download QAWeb

QAWeb Enterprise
Always a clear view

Wants and woes of healthcare IT managers

Key findings

- 87% struggle to manage security
- 79% struggle to manage quality
- 70% struggle to manage compliance

What makes IT managers happy?

- 91% say the reporting required to prepare for audits is a challenge
- 86% say it is a challenge to deploy fixes remotely

What makes IT managers sad?

- 61% say the time spent managing quality on regional guidelines is difficult to manage
- 43% say the complexity of complying with changing QC guidelines is a challenge

The solution?

- 84% believe it is difficult to keep up with changing regulatory requirements
- 80% believe it is difficult to manage the growing number of remote facilities

Improving image volumes, the growing complexity of studies, and physical discomfort while reading are the three biggest challenges radiologists face today. That is the conclusion of a 2014 survey conducted by The MarkeTech Group.

The solutions? Improved image quality (91%), a more efficient workflow (77%), and better display ergonomics (70%), as indicated by radiologists themselves.
Coronis Uniti®

- 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
- Proven 10% higher detection when scrolling digital breast tomosynthesis images
- Up to 30% increased detection probability 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

Coronis Fusion

- Bright, calibrated luminance of 600 cd/m² for the lifetime of the display
- Uniform luminance with patented Color PPU 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
- Barco Optical Glass™ reduces reflections and improves contrast
- 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
- Assure compliance and uptime of all your PACS workstations
- Intervention-free QA saves time, reduces effort and cost

Your benefits

- 12 ways Coronis Uniti helps increase breast cancer detection
- 12 ways Coronis Fusion by numbers

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.

Coronis Fusion by numbers

- Increases productivity by up to 19%
- Figures originate from Montefiore study
- Highest screen real estate to display more images the way you want
- 2x the image detail with SpotView Mag
- Fewer image manipulations with Barco’s tools for an intuitive workflow
- 50% more calibrated light for better detection
- Reduces eye strain
- Based on Montefiore study

Models and options

Meet Coronis Uniti

Meet Coronis Fusion
Coronis

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

- The brightest 3MP display on the market exceeding 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 aid in seeing subtle image details

Nio

A family of diagnostic displays that bring dependable diagnostic imaging to its true potential. Nio’s proven technologies ensure diagnostic confidence at all times, making it the standard for the radiology reading room.

Your benefits

- Most efficient dual-head option on the market
- Highest brightness and contrast - luminance ratio exceeds ACR guidelines
- Minimal image manipulations – less windowing, leveling, zooming & panning
- More DICOM JNDs to see more subtle details quicker
- Uniform image rendering center to edge
- Factory-fit glass front cover reduces reflection and improves visible contrast

More screen, more mamm

Nio Color 5MP

- Designed for radiology and mammography
- High-bright, steady colors and grays with SteadyColor technology
- Front sensor and QAWeb for always-on compliance
**Specifications**

**Nio Color 2MP**
- Warranty: 5 years
- Active screen size: 432 x 324 mm (17.0 x 12.8")
- Screen technology: TFT AM Color LCD IPS
- Diagonal: 540 mm (21.3")
- Aspect ratio: 4:3
- Native resolution: 800 cd/m² (400 cd/m²)
- Contrast ratio: 1400:1
- Sensor technology: Integrated front-of-screen sensor, ALC
- Video input signals: DVI-D Dual Link, DisplayPort
- Medical device regulations: FDA (510k: Digital Radiography Class II)
- Options: Additional MXRT graphics controller options, QAWeb Premium, Extended and Advanced Warranty

**Nio Color 3MP**
- Warranty: 5 years
- Active screen size: 433 x 325 mm (17.0 x 12.8")
- Screen technology: TFT AM Color LCD IPS
- Diagonal: 540 mm (21.3")
- Aspect ratio: 4:3
- Native resolution: 900 cd/m² (500 cd/m²)
- Contrast ratio: 1400:1
- Sensor technology: Integrated front-of-screen sensor, ALC
- Video input signals: DVI-D Dual Link, DisplayPort
- Medical device regulations: EC: Diagnostic or therapeutic radiology, Class IIb
- Options: Additional MXRT graphics controller options, QAWeb Premium, Extended and Advanced Warranty

**Coronis 3MP**
- Warranty: 5 years
- Active screen size: 325 mm x 433 mm (12.8" x 17.1")
- Screen technology: UA-SFT (Ultra Advanced Super Fine Technology)
- Diagonal: 540 mm (21.3")
- Aspect ratio: 4:3
- Native resolution: 1700 cd/m² (600 cd/m²)
- Contrast ratio: 2000:1
- Sensor technology: Integrated front-of-screen sensor, BLOS, ALC
- Video input signals: DVI-D Dual Link, DisplayPort
- Medical device regulations: EC: Diagnostic or therapeutic radiology, Class IIb
- Options: Additional MXRT graphics controller options, QAWeb Premium, Extended and Advanced Warranty

**Coronis Fusion 4MP**
- Warranty: 5 years
- Active screen size: 655 x 450 mm (25.9 x 17.8")
- Screen technology: a-si TFT active matrix dual domain IPS
- Diagonal: 722 mm (30.4")
- Aspect ratio: 4:3
- Native resolution: 1050 cd/m² (600 cd/m²)
- Contrast ratio: 1200:1
- Sensor technology: Integrated I-Guard front-of-screen sensor, Intelligent Multi-Sensor Technology, ALC
- Video input signals: DVI-D Dual Link, DisplayPort
- Medical device regulations: EC: Diagnostic or therapeutic radiology, Class IIb
- Options: Additional MXRT graphics controller options, QAWeb Premium, Extended and Advanced Warranty

**Nio 5MP**
- Warranty: 5 years
- Active screen size: 422.4 mm x 337.9 mm (16.5 x 13.3")
- Screen technology: a-si TFT active matrix dual domain IPS
- Diagonal: 540 mm (21.3")
- Aspect ratio: 4:3
- Native resolution: 1200 cd/m² (600 cd/m²)
- Contrast ratio: 1200:1
- Sensor technology: Integrated I-Guard front-of-screen sensor, BLOS, ALC
- Video input signals: DVI-D Dual Link, DisplayPort
- Medical device regulations: EC: Diagnostic or therapeutic radiology, Class IIb
- Options: Additional MXRT graphics controller options, QAWeb Premium, Extended and Advanced Warranty

**Nio Color 5MP**
- Warranty: 5 years
- Active screen size: 433 x 325 mm (17.0 x 12.8")
- Screen technology: IPS-TFT color LCD
- Diagonal: 540 mm (21.3")
- Aspect ratio: 4:3
- Native resolution: 1050 cd/m² (600 cd/m²)
- Contrast ratio: 1200:1
- Sensor technology: Integrated I-Guard front-of-screen sensor, BLOS, ALC
- Video input signals: DVI-D Dual Link, DisplayPort
- Medical device regulations: EC: Diagnostic or therapeutic radiology, Class IIb
- Options: Additional MXRT graphics controller options, QAWeb Premium, Extended and Advanced Warranty

**Coronis 5MP**
- Warranty: 5 years
- Active screen size: 422.4 mm x 337.9 mm (16.5 x 13.3")
- Screen technology: a-si TFT active matrix dual domain IPS
- Diagonal: 540 mm (21.3")
- Aspect ratio: 4:3
- Native resolution: 1200 cd/m² (600 cd/m²)
- Contrast ratio: 1200:1
- Sensor technology: Integrated I-Guard front-of-screen sensor, BLOS, ALC
- Video input signals: DVI-D Dual Link, DisplayPort
- Medical device regulations: EC: Diagnostic or therapeutic radiology, Class IIb
- Options: Additional MXRT graphics controller options, QAWeb Premium, Extended and Advanced Warranty

**Coronis Fusion 6MP**
- Warranty: 5 years
- Active screen size: 422.4 mm x 337.9 mm (16.5 x 13.3")
- Screen technology: IPS-TFT color LCD
- Diagonal: 540 mm (21.3")
- Aspect ratio: 4:3
- Native resolution: 1200 cd/m² (600 cd/m²)
- Contrast ratio: 1200:1
- Sensor technology: Integrated I-Guard front-of-screen sensor, BLOS, ALC
- Video input signals: DVI-D Dual Link, DisplayPort
- Medical device regulations: EC: Diagnostic or therapeutic radiology, Class IIb
- Options: Additional MXRT graphics controller options, QAWeb Premium, Extended and Advanced Warranty

**Coronis Fusion 6MP**
- Warranty: 5 years
- Active screen size: 422.4 mm x 337.9 mm (16.5 x 13.3")
- Screen technology: IPS-TFT color LCD
- Diagonal: 540 mm (21.3")
- Aspect ratio: 4:3
- Native resolution: 1200 cd/m² (600 cd/m²)
- Contrast ratio: 1200:1
- Sensor technology: Integrated I-Guard front-of-screen sensor, BLOS, ALC
- Video input signals: DVI-D Dual Link, DisplayPort
- Medical device regulations: EC: Diagnostic or therapeutic radiology, Class IIb
- Options: Additional MXRT graphics controller options, QAWeb Premium, Extended and Advanced Warranty

**Coronis Uniti**
- Warranty: 5 years
- Active screen size: 708.1 x 472.1 mm (27.8 x 18.6")
- Screen technology: IPS-TFT color LCD
- Diagonal: 853.44 mm (33.6")
- Aspect ratio: 4:3
- Native resolution: 2100 cd/m² (1000 cd/m²)
- Contrast ratio: 1200:1
- Sensor technology: Integrated I-Guard front-of-screen photometer sensor, Intelligent Multi-Sensor Technology, ALC
- Video input signals: DVI-D Dual Link, DisplayPort
- Medical device regulations: EC: Diagnostic or therapeutic radiology, Class IIb
- Options: Additional MXRT graphics controller options, QAWeb Premium, Extended and Advanced Warranty
Clinical 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 QAWeb.

Your benefits

> Designed and approved 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), safe for near-patient use
> 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

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.
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<th>SPECIFICATIONS</th>
<th>MDRC-1219 (TS)</th>
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<td>FDA &amp; EC: Viewing of medical radiology images (Class II)</td>
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<td>• Eonis display • 3-year all-inclusive warranty • QAWeb</td>
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A family of surgical displays designed for real-time critical 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

Download ebook
**SPECIFICATIONS**

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<th>AMM 215WTD</th>
<th>MDSC-2324</th>
<th>MDSC-2326</th>
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<td>TFF AM LCD / LED Backlight</td>
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<td>Screen protection</td>
<td>Double-side anti-reflective PMMA protective cover</td>
<td>Double-side anti-reflective PMMA protective cover</td>
<td>Scratch-resistant 2-side anti-reflective alkali-alumino-silicate glass cover</td>
<td>Scratch-resistant 2-side anti-reflective alkali-alumino-silicate glass cover</td>
<td>Scratch-resistant 2-side anti-reflective alkali-alumino-silicate glass cover</td>
<td>Scratch-resistant 2-side anti-reflective tempered glass protective cover</td>
<td>Scratch-resistant 2-side anti-reflective tempered glass protective cover</td>
<td>Scratch-resistant 2-side anti-reflective alkali-alumino-silicate glass cover</td>
<td>Double-side anti-reflective laminated glass protective cover</td>
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<td>Cable management</td>
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<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<td>Yes</td>
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<tr>
<td>Cleanability</td>
<td>IP21 (IPx5 front)</td>
<td>IP21 (IPx5 front)</td>
<td>IP21 (IPx5 front side)</td>
<td>IP21 (IPx5 front side)</td>
<td>IP20 (IPx5 front side)</td>
<td>IP20 (IPx5 front side)</td>
<td>IP20 (IPx5 front side)</td>
<td>IP20 (IPx5 front side with protective glass)</td>
<td>IP21 (IPx5 front side)</td>
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<td>Failover</td>
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<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<td>Video input signals</td>
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<td>2xDP, 1x HDMI / Composite video, 3G-SDI</td>
<td>2xDP, 1x HDMI / Composite video, 3G-SDI</td>
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<td>2xDP, 1x HDMI / Composite video, 3G-SDI</td>
<td>2xDP, 1x HDMI / Composite video, 3G-SDI</td>
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<td>Video output signal</td>
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<td>SDI / 5-video / Composite video, RGB / YPbPr</td>
<td>SDI / 5-video / Composite video, RGB / YPbPr</td>
<td>SDI / 5-video / Composite video, RGB / YPbPr</td>
<td>SDI / 5-video / Composite video, RGB / YPbPr</td>
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<td>SDI / 5-video / Composite video, RGB / YPbPr</td>
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<tr>
<td>Medical device regulations</td>
<td>FDA &amp; EC: Endoscopic and Surgical Imaging (Class I)</td>
<td>FDA &amp; EC: Endoscopic and Surgical Imaging (Class I)</td>
<td>FDA &amp; EC: Endoscopic and Surgical Imaging (Class I)</td>
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<td>FDA &amp; EC: Endoscopic and Surgical Imaging (Class I)</td>
<td>FDA &amp; EC: Endoscopic and Surgical Imaging (Class I)</td>
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<tr>
<td>Package includes</td>
<td>AMM 215WTD display</td>
<td>MDSC display</td>
<td>MDSC display</td>
<td>MDSC display</td>
<td>MDSC display</td>
<td>MDSC display</td>
<td>MDSC display</td>
<td>MDSC display</td>
<td>MDSC display</td>
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<tr>
<td>Options</td>
<td>Ask about our different model options and associated accessories</td>
<td>Core+ warranty</td>
<td>Ask about our different model options and associated accessories</td>
<td>Core+ warranty</td>
<td>Ask about our different model options and associated accessories</td>
<td>Core+ warranty</td>
<td>Ask about our different model options and associated accessories</td>
<td>Core+ warranty</td>
<td>Ask about our different model options and associated accessories</td>
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</tbody>
</table>
Smart displays and user interfaces

A range of displays that offer an intuitive, ergonomic touch experience, specially designed for use in a medical environment. They can be used for a variety of applications, including the digital operating room and medical carts. Wherever clinicians need access to detailed information, at the touch of a fingertip.

Your benefits

- Multi- and single-touch functionality for quick operation
- Ergonomic interaction, even when wearing gloves
- Fit for use in highly demanding, mission-critical environments
- Special design that allows for easy cleaning and infection control
- Easy to install, whether on carts, arms or booms
## SMART DISPLAYS AND USER INTERFACES

<table>
<thead>
<tr>
<th>SPECIFICATIONS</th>
<th>MDRC-2222, Option TS</th>
<th>MDRC-1219, Option TS</th>
<th>AMM 215WTTP</th>
<th>MUIP-2112</th>
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<tbody>
<tr>
<td>Warranty</td>
<td>3 years</td>
<td>3 years</td>
<td>18 months</td>
<td>2 years</td>
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<tr>
<td>Active screen size</td>
<td>476 x 268 mm (18.7&quot; x 10.5&quot;)</td>
<td>376 x 301 mm (14.8&quot; x 11.8&quot;)</td>
<td>476 x 267 mm (18.7&quot; x 10.5&quot;)</td>
<td>276 x 157 mm (10.8&quot; x 6.2&quot;)</td>
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<td>Screen technology</td>
<td>TFT Color LCD IPS</td>
<td>IPS-TFT Color LCD</td>
<td>TFT AM LCD</td>
<td>TFT AM LCD</td>
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<tr>
<td>Diagonal size</td>
<td>21.5&quot; (546 mm)</td>
<td>19&quot; (482 mm)</td>
<td>21.5&quot; (545 mm)</td>
<td>12.5&quot; (317 mm)</td>
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<td>Aspect ratio</td>
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<td>5:4</td>
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<tr>
<td>Native resolution</td>
<td>2MP (1920 x 1080)</td>
<td>1MP (1280 x 1024)</td>
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<td>2MP (1920 x 1080)</td>
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<tr>
<td>Luminance</td>
<td>300 cd/m²</td>
<td>330 cd/m²</td>
<td>250 cd/m²</td>
<td>400 cd/m²</td>
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<td>Contrast ratio</td>
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<td>1000:1</td>
<td>1000:1</td>
<td>1000:1</td>
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<tr>
<td>Screen protection</td>
<td>Protective, non-reflective glass cover</td>
<td>N/A</td>
<td>N/A</td>
<td>Anti Glare (Glass 50)</td>
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<tr>
<td>Cleanability</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>IPS4 R (with sealed connector cover)</td>
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<tr>
<td>Video input signals</td>
<td>DisplayPort, DVI-I</td>
<td>DVI, DisplayPort</td>
<td>DVI-D, VGA</td>
<td>N/A</td>
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<tr>
<td>Medical device regulations</td>
<td>FDA &amp; EC: Viewing of medical radiology images (Class I)</td>
<td>FDA &amp; EC: Viewing of medical radiology images (Class I)</td>
<td>FDA &amp; EC: Endoscopic and Surgical imaging (Class I)</td>
<td>Medical device, class 1</td>
</tr>
</tbody>
</table>

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.

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

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.

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

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.

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

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 grayscales.

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

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.

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

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

I-Guard video

ULT technology highlight

Coronis Fusion video

Optical glass technology highlight
IPS-Pro

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.

RapidFrame™

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

I-Luminate™

This brightness boost system has proven to increase detection 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.

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

SteadyColor™ & SteadyGray™

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 grayscale, 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.

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

SpotView™

SpotView creates a bright focal point on the screen, enhancing brightness and contrast inside a circular region of interest while dimming the surrounding image area. This heightens visibility of subtle differences in the image. With SpotView Mag, you can even double the size of the image so no detail goes unnoticed. There’s a proven increase in accuracy and decrease in reading time.

Benefits

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

DimView™

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
> Better visibility of subtle differences in the image
> Improved focus on the main display, no distractions
> More ergonomic reading experience

SteadyColor & SteadyGray 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.
SmartCursor™ / FindCursor™

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™

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™

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™

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

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 fig.

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

SingleView™

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

Screenshot

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

SmartCursor / FindCursor video

Watch video

VirtualView video

Watch video

Conference CloneView video

Watch video

Application Appearance Manager video

Watch video

User Profiles

Watch video

SingleView video

Watch video

Screenshot

Watch video
Icon overview

- Standard 5-year warranty
- 10 bit Look Up Table
- 12 bit Look Up Table
- 30 bit Look Up Table
- LED backlight
- Integrated Ambient Light Compensation
- Backlight Output Stabilization
- Color display
- Grayscale display
- Anti-reflective protective front cover
- Anti-reflective protective front glass
- Diagnostic Luminance (Ultra bright display)
- Compliant with DICOM specifications
- Long-lifetime backlights
- Environmental-friendly product
- Seamless wide-screen desktop
- Integrated front-of-screen sensor
- Front-of-screen sensor
- Approved for medical use
- On Screen Display
- Per Pixel Uniformity correction
- QA software included
- Usable in portrait and landscape mode
- Touch screen interface
- Uniform Luminance technology
- Exceptionally wide viewing angle
- Ultra-smooth grayscale precision
- Widescreen aspect ratio
- DisplayPort interface
- Multiple built-in sensors
- Cleared for breast tomosynthesis
- ‘Hot light’ button
- High-speed cine imaging without blur
- Front consistency sensor
- DICOM grayscale and color
- Color Per Pixel Uniformity Correction
- Screenshot of image details
- Application Appearance Manager
- A virtual display
- Focus light
- Dims auxiliary displays
- Locates the mouse cursor
- Avoids the cursor getting stuck
- For large-screen projection
- 4K native display resolution of 4096 by 2160 pixels
- Allows daisy chaining of displays
- Displays a wide range of colors

Find the medical display solution you need in just two clicks!

Go to our online product finder at
www.barco.com/productfinders/medicaldisplays
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 is growing rapidly and there is more demand for mobility, 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 in 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 patients’ 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