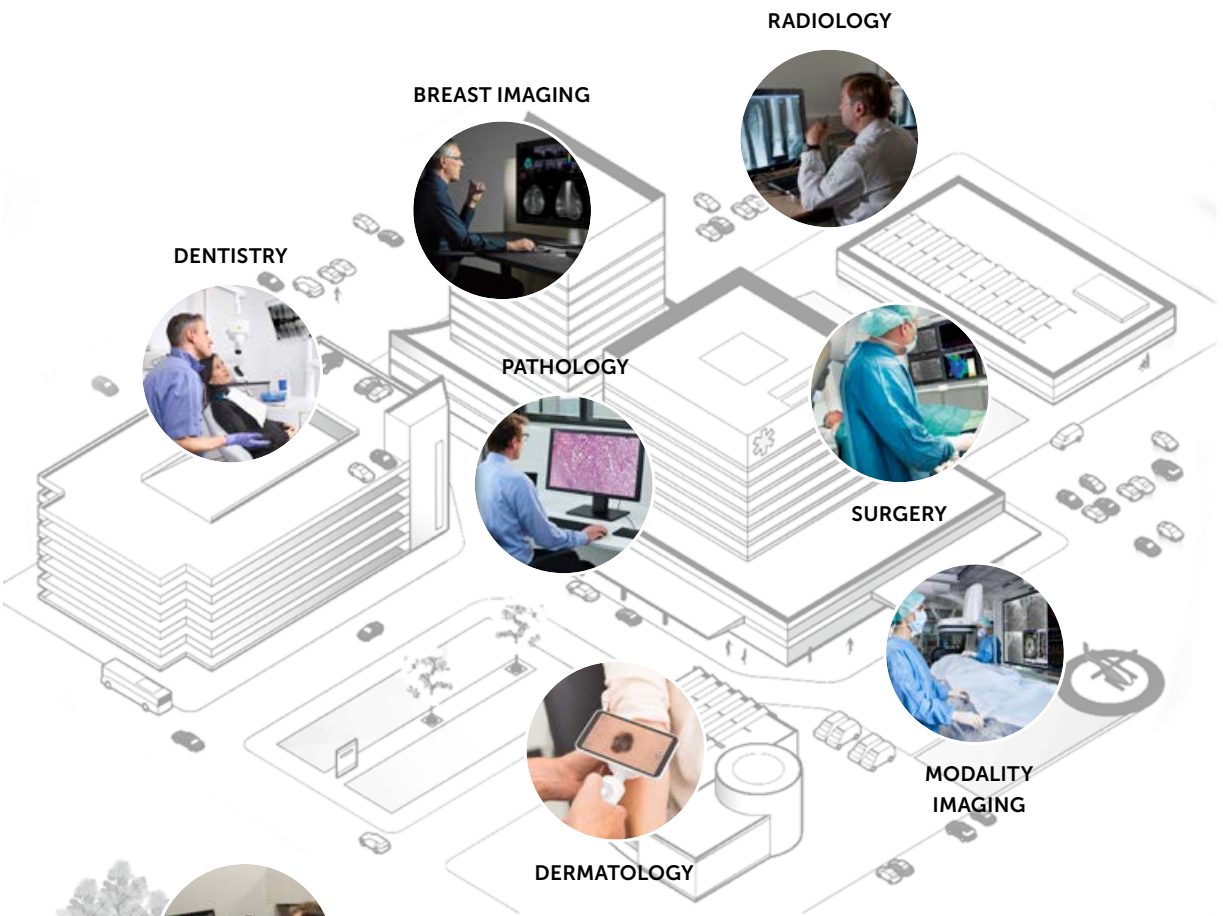# Barco Healthcare

Medical solutions portfolio

BARCO

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 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.

RADIOLOGY

BREAST IMAGING

DENTISTRY

PATHOLOGY

SURGERY

MODALITY IMAGING

DERMATOLOGY

HOME READING

FROST & SULLIVAN

2015 BEST PRACTICES AWARD

GLOBAL MEDICAL IMAGE VISUALIZATION VISIONARY INNOVATION LEADERSHIP AWARD

Recognized as the Visionary Innovation Leader in medical displays by Frost & Sullivan

FROST & SULLIVAN

2019 BEST PRACTICES AWARD

NORTH AMERICAN MULTI-MODAL MEDICAL DISPLAY MONITORS TECHNOLOGY LEADERSHIP AWARD

Recognized as the Technology Leader in the Multi-modal Medical Display Industry by Frost & Sullivan

More than a medical display

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.

Radiology displays and mammography displays

Intuitive Workflow Tools line-up

Click icons for video >

	PROFILES	SCREENSHOT	AAM	VIRTUALVIEW	SPOTVIEW	FOCALPATH	TOUCHPAD	DIMVIEW	SMARTCURSOR	FIND CURSOR	SINGLEVIEW	CLONEVIEW	FILM CLIP	SOFTGLOW	I-LUMINATE
Coronis Uniti	✓	✓	✓	✓	✓		✓[2]	✓	✓	✓	✓	✓	✓	✓	✓
Coronis/Nio Fusion	✓	✓	✓	✓	✓		✓[2]	✓	✓	✓	✓	✓		✓	
Coronis	✓	✓	✓[1]	✓	✓			✓	✓	✓		✓	(3)		✓
MDPC-8127			✓		✓	✓	✓					✓			
Nio Gray/Color	✓	✓		✓	✓			✓	✓	✓		✓			
Nio Color 5MP	✓	✓	✓	✓	✓			✓	✓	✓		✓			
Eonis	✓	✓			✓			✓	✓	✓		✓			

[1] Supports luminance control only
[2] Touchpad also allows *SpotView Align and SpotView AlignVee* for Coronis Uniti and all Fusion models
[3] Filmclip available on Mammo/Tomo model

Visit *www.barco.com/IWT-compatibility* for detailed information about which IWT and accessories are compatible with your Barco monitor.

eGFX Home Read Station

Flexible remote radiology reading solution

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
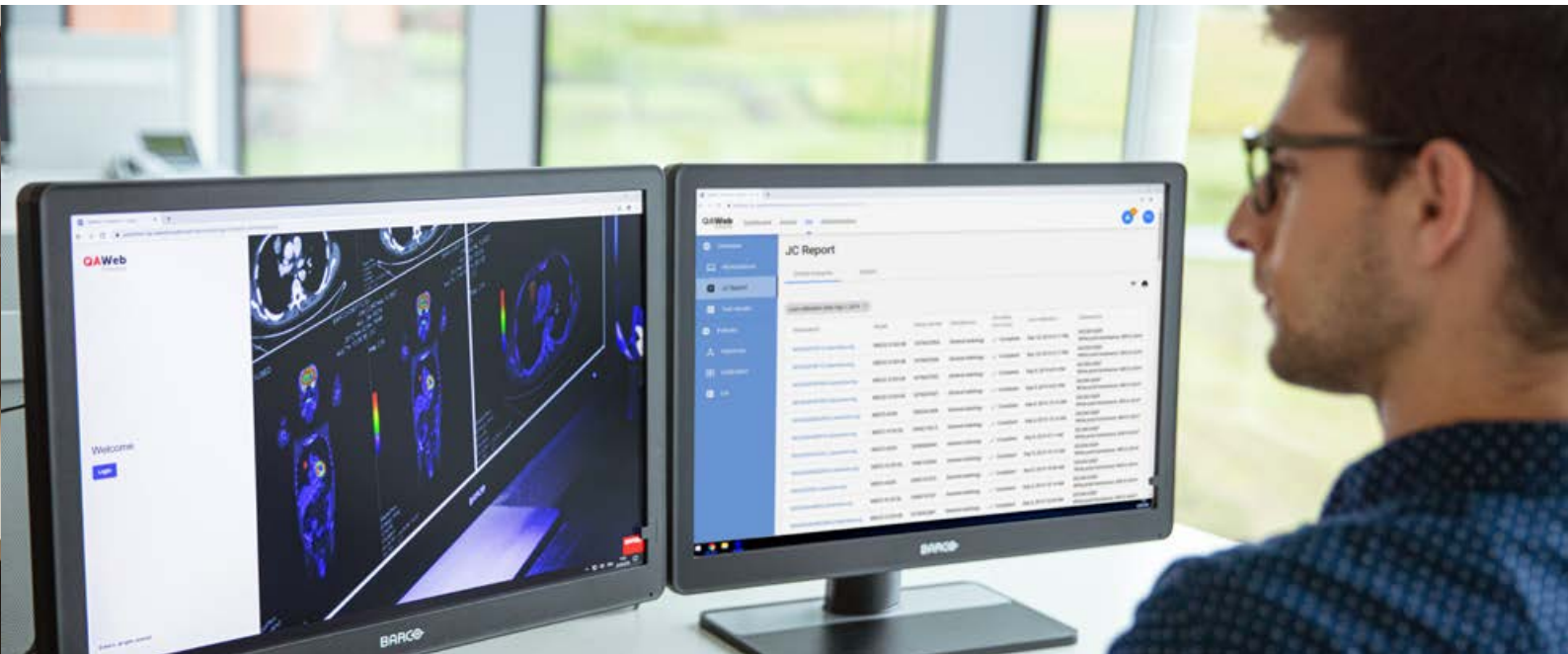Dependable imaging wherever you work

Read more

Learn more on remote reading for radiologists

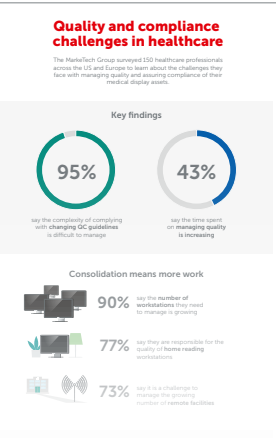
QAWeb Enterprise

Always a clear view

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

**Wants and woes
of healthcare IT managers**

**Quality and compliance
challenges in healthcare**

Key findings

95%   43%

Consolidation means more work

90%

77%

73%

Read more

QAWeb Enterprise video

Download QAWeb Enterprise

Coronis Uniti®

mammography   radiology

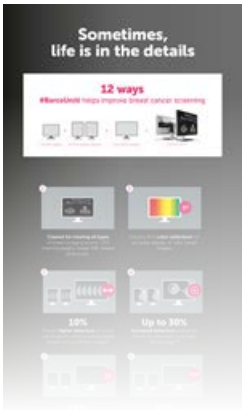| 12 MP	33" SCREEN	STEADYCOLOR	COLOR PPU	QAWEB	I-GUARD	MULTI-SENSOR	ALC	I-LUMINATE	DURALIGHT	TOMO	RAPIDFRAME	FILM CLIP	OPTICAL GLASS	TOUCHPAD	5Y WARRANTY

The first diagnostic display system explicitly designed for both PACS and multimodality breast imaging. Unique in its spectacular representation of calibrated color and grayscales. 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[1]

> Up to 30% ncreased detection probability of microcalcifications thanks to patented I-Luminate™ technology[2]

> 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

Models and options

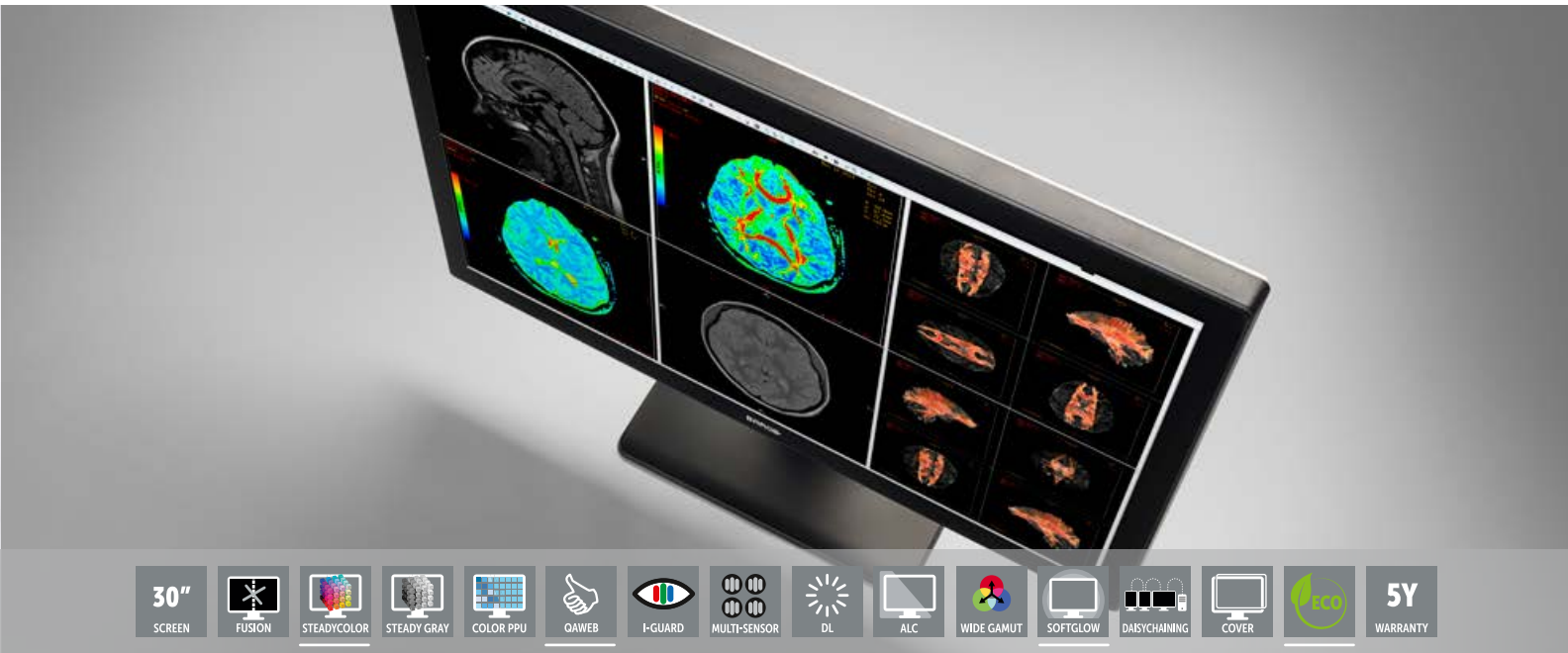**12 ways Coronis Uniti helps increase breast cancer detection**

Read more

Meet Coronis Uniti

Coronis Fusion

radiology

| 30" SCREEN	FUSION	STEADYCOLOR	STEADY GRAY	COLOR PPU	QAWEB	I-GUARD	MULTI-SENSOR	DL	ALC	WIDE GAMUT	SOFTGLOW	DAISYCHAINING	COVER	5Y 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 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

> 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

> Industry-leading 5-year warranty

Models and options

Coronis Fusion by numbers
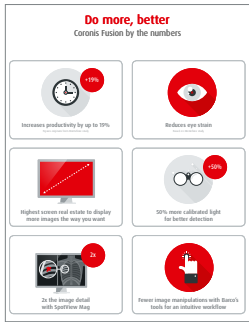
Read more

Meet Coronis Fusion

Coronis

| QAWEB | I-GUARD | MULTI-SENSOR | SMOOTHGRAY | PPU | ALC | I-LUMINATE | 5Y 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
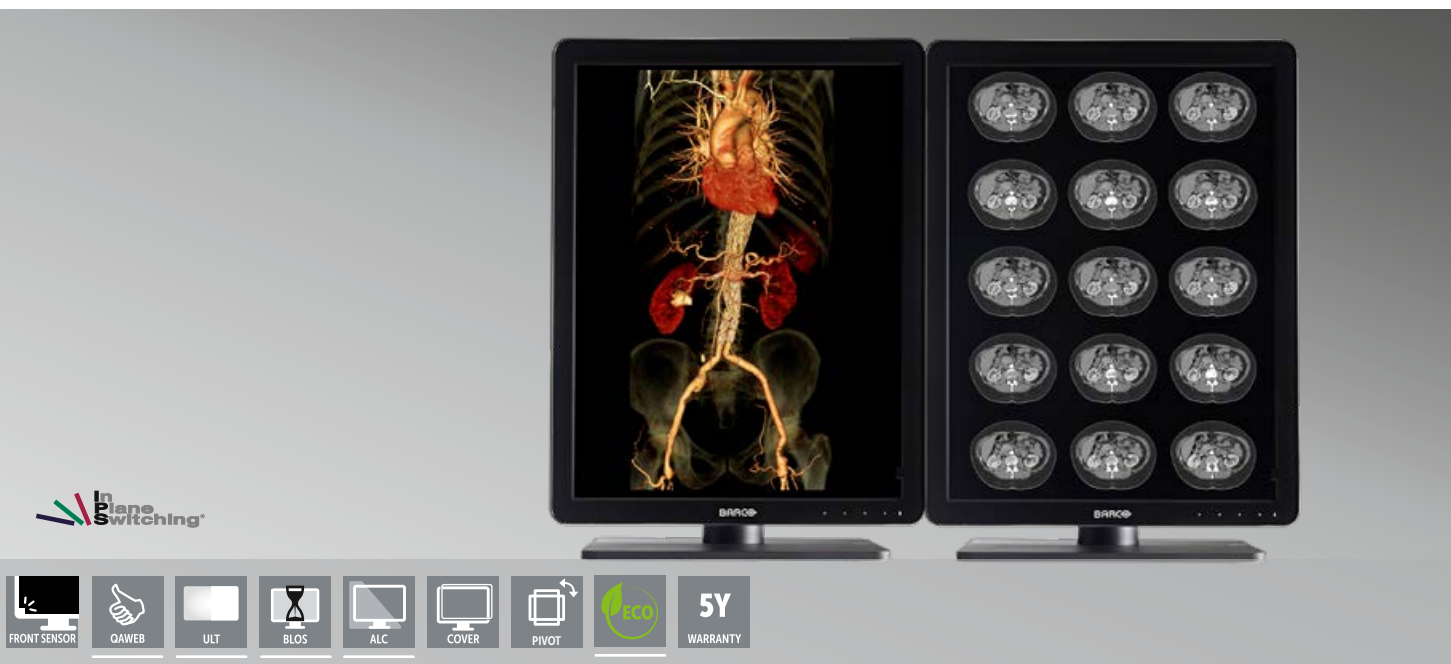> Industry-leading 5-year warranty

Models and options

Nio

| FRONT SENSOR | QAWEB | ULT | BLOS | ALC | COVER | PIVOT | ECO | 5Y WARRANTY |

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 front cover reduces reflection and improves visible contrast
> 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 QAWeb for always-on compliance

Models and options

RADIOLOGY DISPLAYS AND MAMMOGRAPHY DISPLAYS

	2MP	3MP	4MP	5MP			6MP	12MP	
	MDNC-2221	MDNC-3421	MDCC-4430	MDNG-5221	MDNC-6121	MDCG-5221	MDCC-6530	MDNC-12130	MDMC-12133
SPECIFICATIONS	Nio Color 2MP	Nio Color 3MP	Coronis Fusion 4MP	Nio 5MP	Nio Color 5MP	Coronis 5MP	Coronis Fusion 6MP	Nio Fusion 12MP	Coronis Uniti®
Warranty	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years
Active screen size (H x V)	432 x 324 mm (17.0 x 12.8")	433 x 325 mm (17.0 x 12.8")	655 x 410 mm (25.8 x 16.1")	422.4 mm x 337.9 mm (16.5 x 13.3")	433 x 325 mm (17 x 12.8")	422.4 mm x 337.9 mm (16.5 x 13.3")	654 x 409 mm (25.8 x 16.1")	653 x 435 mm (25.7 x 17.1")	708.1 x 472.1 mm (27.8 x 18.6")
Screen technology	TFT AM Color LCD IPS	TFT AM Color LCD IPS	IPS-TFT color LCD	a-si TFT active matrix dual domain IPS	a-si TFT active matrix dual domain IPS	a-si TFT active matrix dual domain IPS	IPS-TFT color LCD	LCD	IPS
Diagonal size	540 mm (21.3")	540 mm (21.3")	772 mm (30.4")	540 mm (21.3")	540 mm (21.3")	540 mm (21.3")	772 mm (30.4")	784 mm (30.9")	853.44 mm (33.6")
Aspect ratio	3:4	3:4	16:10	4:5	3:4	4:5	16:10	3:2	3:2
Resolution	2MP (1200 x 1600)	3MP (1536 x 2048)	Native 4MP (2560 x 1600) Configurable to 2 x 2MP+ (1280 x 1600) Configurable to 2 x 2MP (1200 x 1600)	5MP (2048 x 2560)	5.8MP (2100 x 2800)	5MP (2048 x 2560)	Native 6MP (3280 x 2048) Configurable to 2 x 3MP+ (1640 x 2048) Configurable to 2 x 3MP (1536 X 2048)	Native 12MP (4200 x 2800) Configurable to 2 x 5.8MP (2100 x 2800)	4200 x 2800
Luminance (DICOM calibrated)	800 cd/m² (500 cd/m²)	900 cd/m² (500 cd/m²)	1050 cd/m² (600 cd/m²)	1020 cd/m² (600 cd/m²)	1000 cd/m² (600 cd/m²)	1200 cd/m² (600 cd/m²)	1050 cd/m² (600 cd/m²)	1200 cd/m² (600 cd/m²)	2100 cd/m² (1000 cd/m²)
Contrast ratio	1400:1	1400:1	2000:1	1200:1	1400:1	1200:1	2000:1	1500:1	1200:1
Screen protection	Factory fit protective, non-reflective glass cover	Factory fit protective, non-reflective glass cover	Factory fit protective, non-reflective glass cover	Factory fit protective, non-reflective glass cover	Factory fit protective, non-reflective glass cover	Factory fit protective, non-reflective glass cover	Factory fit protective, non-reflective glass cover	N/A	Factory fit protective, non-reflective glass cover
Sensor technology	Integrated front-of-screen sensor, BLOS, ALC presets	Integrated front-of-screen sensor, ALC presets	Integrated I-Guard front-of-screen color sensor, Intelligent Multi-Sensor Technology, ALC	Integrated front-of-screen sensor, BLOS, ALC	Integrated front-of-screen sensor, BLOS, ALC	Integrated I-Guard front-of-screen photometer sensor, ALC	Integrated I-Guard front-of-screen photometer sensor, Intelligent Multi-Sensor Technology, ALC	I-Guard, ALS	Integrated color I-Guard front-of-screen photometer sensor, Intelligent Multi-Sensor Technology, ALC
Diagnostic imaging technology	ULT, MXRT, Intuitive Workflow Tools	ULT, MXRT, Intuitive Workflow Tools	SteadyColor, Color PPU, SmoothGray, MXRT, Intuitive Workflow Tools with optional touchpad	ULT, MXRT, Intuitive Workflow Tools	ULT, MXRT, Intuitive Workflow Tools, SteadyColor, SteadyGray, Clear/BlueBase	PPU, SmoothGray, DuraLight, I-Luminate, MXRT, Intuitive Workflow Tools	SteadyColor, Color PPU, SmoothGray, MXRT, Intuitive Workflow Tools with optional touchpad	RapidFrame™, ULT, MXRT, Intuitive Workflow Tools, SteadyColor™, SteadyGray	SteadyColor, Color PPU, I-Luminate, RapidFrame, SmoothGray, DuraLight, Clear/BlueBase, SoftGlow, Filmclip, MXRT, Intuitive Workflow Tools with Touchpad
Video input signals	DVI-D Dual Link, DisplayPort	DVI-D Dual Link, DisplayPort	DisplayPort 1.2 (2x)	DVI-D Dual Link, DisplayPort	DVI-D Dual Link, DisplayPort	DVI-D Dual Link, DisplayPort	DisplayPort 1.2 (x2)	DisplayPort 1.2 (2x) with built-in KVM switching	DisplayPort 1.2 (2x)
Medical device regulations	FDA: Medical Device Class II EC: Medical Device Class IIb (Medical Device Directive 93/42/EEC, amended by 2007/47/EC)	FDA: Medical Device Class II EC: Medical Device Class IIb (Medical Device Directive 93/42/EEC, amended by 2007/47/EC)	FDA: Medical Device Class II EC: Medical Device Class IIb (Medical Device Directive 93/42/EEC, amended by 2007/47/EC)	FDA: Medical Device Class II EC: Medical Device Class IIb (Medical Device Directive 93/42/EEC, amended by 2007/47/EC)	FDA: Medical Device Class II EC: Medical Device Class IIb (Medical Device Directive 93/42/EEC, amended by 2007/47/EC)	FDA: Medical Device Class II EC: Medical Device Class IIb (Medical Device Directive 93/42/EEC, amended by 2007/47/EC)	FDA: Medical Device Class II EC: Medical Device Class IIb (Medical Device Directive 93/42/EEC, amended by 2007/47/EC)	FDA: Medical Device Class II EC: Medical Device Class IIb (Medical Device Directive 93/42/EEC, amended by 2007/47/EC)	FDA: Medical Device Class II EC: Medical Device Class IIb (Medical Device Directive 93/42/EEC, amended by 2007/47/EC)
Package includes	Nio display system, MXRT graphics controller, Intuitive Workflow toolset, 5-year all-inclusive warranty, QAWeb	Nio display system, MXRT graphics controller, Intuitive Workflow toolset, 5-year all-inclusive warranty, QAWeb	Coronis Fusion diagnostic display system, MXRT graphics controller, Intuitive Workflow toolset, 5-year all-inclusive warranty, QAWeb	Nio display system, MXRT graphics controller, Intuitive Workflow toolset, 5-year all-inclusive warranty, QAWeb	Nio display system, MXRT graphics controller, Intuitive Workflow toolset, 5-year all-inclusive warranty, QAWeb	Coronis diagnostic display system, MXRT graphics controller, Intuitive Workflow toolset, 5-year all-inclusive warranty, QAWeb	Coronis Fusion diagnostic display system, MXRT graphics controller, Intuitive Workflow toolset, 5-year all-inclusive warranty, QAWeb	Nio display system, MXRT display controller, Intuitive Workflow toolset, Warranty for 5-years including 40,000 hour backlight, QAWeb	Coronis Uniti diagnostic display system, MXRT graphics controller, Intuitive Workflow toolset, SoftGlow keyboard and wall light, Touchpad and film clip
Options	Additional MXRT graphics controller options, Additional service and warranty options	Additional MXRT graphics controller options, Additional service and warranty options	Additional MXRT graphics controller options, Additional service and warranty options	Additional MXRT graphics controller options, Additional service and warranty options	Additional MXRT graphics controller options, Additional service and warranty options	Additional MXRT graphics controller options, Additional service and warranty options	Additional MXRT graphics controller options, Additional service and warranty options	Additional MXRT display controller options, Additional service and warranty options	Additional service and warranty options

MDPC-8127

digital pathology

| 8 MP | RAPIDFRAME | STEADYCOLOR | COLOR PPU | QAWEB | I-GUARD | 120Hz FRAME RATE | 10 BIT COLOR | 5Y WARRANTY | TOUCHPAD | MULTI-SENSOR | ALC | WIDE GAMUT | FOCALPATH | SPOTVIEW | AAM |

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.*

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

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

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

Dentistry displays and clinical review displays

Eonis

CLEARED	CONSISTENCY	QAWEB	DICOM	WIDE VIEW	CLEANABLE	PIVOT	3Y WARRANTY

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 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

Models and options

Eonis put to the test

Watch video

Eonis vs consumer displays
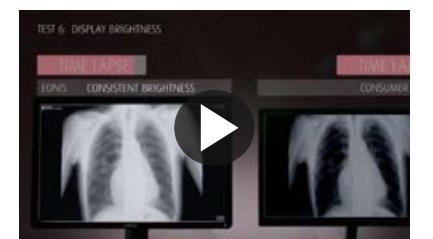
Watch video

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

	MDRC-2222	MDRC-2324	MDNC-2123, option DE	MDNC-3421, option DE

SPECIFICATIONS	Eonis 22" white	Eonis 24" white	Nio Color 2MP	Nio Color 3MP
Warranty	3 years	3 years	5 years	5 years
Active screen size	476 mm x 268 mm (18.7" x 10.5")	518.4 mm x 324.0 mm (20.41" x 12.76")	521 x 293 mm (20.5 x 11.5")	432 x 324 mm (17.0 x 12.8")"
Screen technology	LCD	LCD	LCD	IPS-TFT Color LCD"
Diagonal size	546 mm (21.5")	609.6 mm (24.0")	598 mm (23.6")	540 mm (21.3")
Aspect ratio	16:9	16:10	16:9	4:3
Native resolution	2MP (1920 x 1080)	2MP (1920 x 1200)	2MP (1920 x 1080 pixels)	3MP (2048 x 1536 pixels)
Luminance (DICOM calibrated)	300 cd/m² (180 cd/m²)	300 cd/m² (180 cd/m²)	370 cd/m² (460 cd/m²)	900 cd/m² (500 cd/m²)
Contrast ratio	1000:1	1000:1	1000:1	1400:1
Screen protection	Protective, anti-glare glass cover	Protective, anti-glare glass cover	Optional: protective cover, anti-reflective glass cover	Optional: protective cover, anti-reflective glass cover
Front sensor technology	Front consistency sensor	Front consistency sensor	Integrated front-of-screen sensor, BLOS, ALC presets	Integrated front-of-screen sensor, ALC presets
Video input signals	DisplayPort, DVI	DisplayPort, DVI	DisplayPort, DVI	DisplayPort, DVI
Medical device regulations	FDA: Medical device class I EC: Medical device class I (Regulation (EU) 2017/745)	FDA: Medical device class I EC: Medical device class I (Regulation (EU) 2017/745)	FDA: Medical Device Class II EC: Medical Device Class IIb (Medical Device Directive 93/42/EEC, amended by 2007/47/EC)	FDA: Medical Device Class II EC: Medical Device Class IIb (Medical Device Directive 93/42/EEC, amended by 2007/47/EC)
Package includes	• Eonis display • 3-year all-inclusive warranty • QAWeb	• Eonis display • 3-year all-inclusive warranty • QAWeb	• Nio display • 5-year all-inclusive warranty • QAWeb	• Nio display • 5-year all-inclusive warranty • QAWeb
Options	• MXRT graphics controller • Intuitive Workflow toolset • Versions: white/black, cover/no cover/touch-screen • Additional service and warranty options	• MXRT graphics controller • Intuitive Workflow toolset • Versions: white/black, standard/high-brightness, cover/no cover/touch-screen • Additional service and warranty options	• Additional MXRT graphics controller options • Intuitive Workflow toolset • Protective cover • Additional service and warranty options	• Additional MXRT graphics controller options • Intuitive Workflow toolset • Protective cover • Additional service and warranty options

MULTIMODALITY USER INTERFACES

SPECIFICATIONS	MUIP-2112	MAAC-2123 5TW
Warranty	2 years	2 years
Active screen size	276 x 157 mm (10.8" x 6.2")	527.04mm x 296.46mm
Screen technology	TFT AM LCD	AHVA (IPS alike)
Diagonal size	12.5" (317 mm)	23.8" (604.7mm)
Aspect ratio	16:9	16:9
Native resolution	2MP (1920 x 1080)	1920x1080
Luminance	400 cd/m²	400 cd/m²
Contrast ratio	1000:1	1000:1
Screen protection	Anti Glare (Gloss 50)	N/A
Cleanability	IP54 (with sealed connector cover)	IP-33 front (touch model only)
Video input signals	N/A	LAN, DisplayPort
Compliance	Medical Grade IT device	Safety/EMC regulation certification; UL/cUL (ANSI/AAMI ES60601-1); CB medical safety (IEC/EN 60601-1); CE medical EMC (IEC/EN 60601-1-2); FCC (Part 15 Class B)

	MDRC-1219	MDRC-2321	MDRC-2222, Option BL	MDRC-2222, Option WP	MDRC-2324, Option BL	MDRC-2324, Option WP
SPECIFICATIONS	**Eonis 19"**	**Eonis 21"**	**Eonis 22" black**	**Eonis 22" white**	**Eonis 24" black**	**Eonis 24" white**
Warranty	3 years	3 years	3 years	3 years	3 years	3 years
Active screen size	376 x 301 mm (14.81 x 11.85")	432 mm x 324 mm (17" x 12.76")	476 mm x 268 mm (18.7" x 10.5")	476 mm x 268 mm (18.7" x 10.5")	518.4 mm x 324.0 mm (20.41" x 12.76")	518.4 mm x 324.0 mm (20.41" x 12.76")
Screen technology	IPS-TFT Color LCD	TFT Color LCD	TFT Color LCD IPS	TFT Color LCD IPS	TFT Color LCD IPS	TFT Color LCD IPS
Diagonal size	482 mm (19")	541 mm (21.3")	546 mm (21.5")	546 mm (21.5")	609.6 mm (24.0")	609.6 mm (24.0")
Aspect ratio	5:4	4:3	16:9	16:9	16:10	16:10
Native resolution	1MP (1280 x 1024)	2MP (1600 x 1200)	2MP (1920 x 1080)	2MP (1920 x 1080)	2MP (1920 x 1200)	2MP (1920 x 1200)
Luminance (DICOM calibrated)	330 cd/m² (250 cd/m²)	440 cd/m² (250 cd/m²)	300 cd/m² (180 cd/m²)	300 cd/m² (180 cd/m²)	300 cd/m² (180 cd/m²)	300 cd/m² (180 cd/m²)
Contrast ratio	1000:1	1500:1	1000:1	1000:1	1000:1	1000:1
Screen protection	Optional: PCAP touchscreen	Optional: PCAP touchscreen	Optional: PCAP touchscreen	Protective, non-reflective glass cover - Optional: PCAP touchscreen	Optional: PCAP touchscreen	Protective, non-reflective glass cover - Optional: PCAP touchscreen
Front sensor technology	Front consistency sensor	Front consistency sensor	Front consistency sensor	Front consistency sensor	Front consistency sensor	Front consistency sensor
Video input signals	DisplayPort, DVI-I	DisplayPort, DVI-I	DisplayPort, DVI-I	DisplayPort, DVI-I	DisplayPort, DVI-I	DisplayPort, DVI-I
Medical device regulations	FDA: Medical device class I EC: Medical device class I (Regulation (EU) 2017/745)	FDA: Medical device class I EC: Medical device class I (Regulation (EU) 2017/745)	FDA: Medical device class I EC: Medical device class I (Regulation (EU) 2017/745)	FDA: Medical device class I EC: Medical device class I (Regulation (EU) 2017/745)	FDA: Medical device class I EC: Medical device class I (Regulation (EU) 2017/745)	FDA: Medical device class I EC: Medical device class I (Regulation (EU) 2017/745)
Package includes	• Eonis display • 3-year all-inclusive warranty • QAWeb	• Eonis display • 3-year all-inclusive warranty • QAWeb	• Eonis display • 3-year all-inclusive warranty • QAWeb	• Eonis display • 3-year all-inclusive warranty • QAWeb	• Eonis display • 3-year all-inclusive warranty • QAWeb	• Eonis display • 3-year all-inclusive warranty • QAWeb
Options	• MXRT graphics controller • PCAP touchscreen • Intuitive Workflow toolset • High-bright version • Additional service and warranty options	• MXRT graphics controller • PCAP touchscreen • Intuitive Workflow toolset • High-bright version • Additional service and warranty options	• MXRT graphics controller • PCAP touchscreen • Intuitive Workflow toolset • Additional service and warranty options	• MXRT graphics controller • PCAP touchscreen • Intuitive Workflow toolset • Additional service and warranty options	• MXRT graphics controller • PCAP touchscreen • Intuitive Workflow toolset • High-bright version • Additional service and warranty options	• MXRT graphics controller • PCAP touchscreen • Intuitive Workflow toolset • Additional service and warranty options

MDSC

| 4K 3840 X 2160 | CLEANABLE | DICOM | WIDE GAMUT | 30 BIT COLOR | WIDE VIEW | BLOS | LED BACKLIGHT | COVER | OSD | APPROVED | 3Y WARRANTY |

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

Models and options

SPECIFICATIONS	AMM 215WTD	AMM 215WTTP	AMM 240ED	MDSC-2324	MDSC-2326	MDSC-2232	MDSC-8231	MDSC-8232 M3D	MDFC-8232 3xB	MDSC-8427	MDSC-8255	MDSC-8358
Warranty	18 months	18 months	2 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years	2 years
Active screen size (H x V)	475 x 267 mm (18.7 x 10.5")	476 x 267 mm (18.7 x 10.5")	520.4 x 326 mm (20.46" x 12.83")	518.4 x 324 mm (20.4" x 12.7")	576 x 324 mm (22.7" x 12.8")	698 x 393 mm (27.48" x 15.47")	698 x 368 mm (27.48" x 14.49")	698 x 368 mm (27.48" x 14.49")	698 x 368 mm (27.48" x 14.49")	597 x 336 mm (23.5" x 13.2")	1210 x 640 mm	1270 x 721.5 mm (50 x 28.4")
Screen technology	TFT AM LCD / LED Backlight	TFT AM LCD / LED Backlight	TFT AM LCD / LED Backlight	TFT AM LCD / S-IPS technology / LED backlight	TFT AM LCD / IPS-PRO technology / LED backlight	TFT AM LCD / S-IPS technology / LED backlight	TFT AM LCD / IPS-PRO technology / LED backlight	TFT AM LCD / IPS-PRO technology / LED backlight	TFT AM LCD / IPS-PRO technology / LED backlight	TFT AM LCD / IPS-PRO technology / LED backlight	TFT AM LCD / IPS technology / LED backlight	a-si TFT active matrix
Diagonal size	21.46" (545.2 mm)	21.46" (545.2 mm)	24.07" (611.3 mm)	24" (611.3 mm)	26" (661 mm)	31.55" (801 mm)	31" (789 mm)	31" (789 mm)	31" (789 mm)	27" (685 mm)	54.6" (1388 mm)	58" (1473 mm)
Aspect ratio	16:9	16:9	16:10	16:10	16:9	16:9	17:9	17:9/16:9	17:9/16:9	16:9	16:9	16:9
Native resolution	Full HD 1920 x 1080	Full HD 1920 x 1080	WUXGA 1920 x 1200	WUXGA 1920 x 1200	Full HD 1920 x 1080	Full HD 1920 x 1080	4K-2K UHD 4096 x 2160	4K-2K (4096 x 2160) / UHD (3840 x 2160)	4K-2K (4096 x 2160) / UHD (3840 x 2160)	4K UHD 3840 x 2160	4K UHD 3840 x 2160	4K UHD 3840 x 2160
Luminance	250 cd/m²	250 cd/m²	300 cd/m²	400 cd/m²	500 cd/m²	450 cd/m²	550 cd/m²	450 cd/m²	ww450 cd/m²	750 cd/m²	500 cd/m²	700 cd/m²
Contrast ratio	1000:1	1000:1	1000:1	1500:1	1400:1	1300:1	1400:1	1300:1	1300:1	1400:1	1000:1	4000:1
Screen protection	Double-side anti-reflective PMMA protective cover	pCap touch (10 points)	Anti-reflective PMMA protective cover	Double-side anti-reflective PMMA protective cover	Scratch-resistant 2-side anti-reflective alkali-alumino-silicate glass cover	Double side anti-reflective tempered glass protective cover	Scratch-resistant 2-side anti-reflective alkali-aluminosilicate glass cover	Scratch-resistant 2-side anti-reflective alkali-aluminosilicate glass cover	Scratch-resistant 2-side anti-reflective alkali-aluminosilicate glass cover	Scratch-resistant 2-side anti-reflective alkali-aluminosilicate glass cover	Scratch-resistant, 2-side anti-reflective glass cover	Double side anti-reflective laminated glass protective cover (option)
Cable management	n/a	n/a	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cleanability	IP21 (IPx5 front)	IPx1	IP22	IP21 (IP45 front)	IP21 (IP45 front side)	IP20 (IP45 front side only)	IP20 (IP45 front side only)	IP20 (IP45 front side only)	IP20 (IP45 front side only)	IP21 (IP45 front side)	IP20 (IP45 front side)	IP20 (IP21 with protective glass)
Failover	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Video input signals	2xDVI-I, VGA, RGBS / YPbPr, S-video, Composite video, 3G-SDI	DVI-I, VGA (D-Sub, 15pin)	1xDVI-I, 1x HD15, 1x Y/C, 1x 3G-SDI, 1x RGBS / YPbPr	DVI-I (HDMI support), RGBS / YPbPr, S-video, Composite video, 3G-SDI, DisplayPort (1.1a) Optional: integrated Nexxis MNA-120 network adapter / 2nd DVI / 2nd SDI	DVI-I (HDMI support), RGBS / YPbPr, S-video, Composite video, 3G-SDI, DisplayPort (1.1a) Optional: integrated Nexxis MNA-120 network adapter / 2nd DVI / 2nd SDI	DVI-I (2x - HDMI support), RGBS / YPbPr, S-video, Composite video, 3G-SDI (2x), DisplayPort (1.1a) Optional: integrated Nexxis MNA-240 network adapter	2x DP 1.1, 1x DP 1.2 MST, 2x HDMI 2.0 1x DVI, 1x 3G-SDI Optional: Quad-link SDI, 12G-SDI, integrated Nexxis MNA-240 network adapter	2D mode: *4K-UHD resolution:* 3x DP 1.1, 1x DP 1.2 MST, 1x 12G-SDI, SFP + for Nexxis link *FHD resolution (upscaled to 4K):* 1x DVI, 1x 3G-SDI 3D mode: *4K-UHD resolution:* 3x DP 1.1, 1x DP 1.2 MST, 2x f.o. SFP + for Nexxis link *FHD input:* 1x DVI, 1x 3G-SDI	2D mode: *4K-UHD resolution:* 3x DP 1.1, 1x DP 1.2 MST, 1x 12G-SDI, 1x HDMI2.0 (3HB) *FHD resolution (upscaled to 4K):* 1x DVI 3D mode: *4K-UHD resolution:* 3x DP 1.1, 1x DP 1.2 MST, 1x 12G-SDI (3SB), 1x HDMI2.0 (3HB) *FHD resolution:* 2x 3G-SDI (dual stream)	2x DP 1.1, 1x DP 1.2 MST, 2x HDMI 2.0 1x DVI, 1x 3G-SDI Optional: Quad-link SDI, 12G-SDI	2x DP 1.1, 1x DP 1.2 MST, 2x HDMI 2.0 1x DVI, 1x 3G-SDI Optional: Quad-link SDI, 12G-SDI, integrated Nexxis MNA-240 network adapter	DVI Dual Link, DVI Single Link, DP1.2 Optional: Nexxis MNA-240 decoder, 2x Single Link DVI Dual Splitter
Video output signal	SDI / S-video / Composite Video, RGBS / YPbPr	SDI / S-video / Composite Video, RGBS / YPbPr	1x DVI-I, 1x 3G-SDI	DVI-D / S-video / Composite video / 3G-SDI	DVI / S-video / 3G-SDI / Composite	DVI-D / 2x 3G-SDI / S-video / Composite	DVI (screen clone) 3G-SDI. Option: 12G-SDI	2D mode: 1x 3G-SDI, 1x DVI 3D mode: 1x DVI	2x 3G-SDI (3G-SDI input loop through), 1x DVI	DVI (screen clone) 3G-SDI. Option: 12G-SDI	DVI (screen clone) 3G-SDI. Option: 12G-SDI	n/a
Medical device regulations	FDA: Medical Device Class I EC: Medical Device Class I (MDR (EU) 2017/745)	FDA: Medical Device Class I EC: Medical Device Class I (MDR (EU) 2017/745)	FDA: Medical Device Class I EC: Medical Device Class I (MDR (EU) 2017/745)	FDA: Medical Device Class I EC: Medical Device Class I (MDR (EU) 2017/745)	FDA: Medical Device Class I EC: Medical Device Class I (MDR (EU) 2017/745)	FDA: Medical Device Class I EC: Medical Device Class I (MDR (EU) 2017/745)	FDA: Medical Device Class I EC: Medical Device Class I (MDR (EU) 2017/745)	FDA: Medical Device Class I EC: Medical Device Class I (MDR (EU) 2017/745)	FDA: Medical Device Class I EC: Medical Device Class I (MDR (EU) 2017/745)	FDA: Medical Device Class I EC: Medical Device Class I (MDR (EU) 2017/745)	FDA: Medical Device Class I EC: Medical Device Class I (MDR (EU) 2017/745)	FDA: Medical Device Class I EC: Medical Device Class I (MDR (EU) 2017/745)
Package includes:	EC: Medical Device Class I (MDR (EU) 2017/745)	• AMM 215WTTP display • 18-month all-inclusive warranty	• AMM 240ED display • 2-year all-inclusive warranty	• MDSC display • 3-year all-inclusive warranty	• MDSC display • 3-year all-inclusive warranty	• MDSC display • 3-year all-inclusive warranty	EC: Medical Device Class I (MDR (EU) 2017/745)	• MDSC display • 3-year all-inclusive warranty	• MDSC display • 3-year all-inclusive warranty	• MDSC display • 3-year all-inclusive warranty	• MDSC display • 3-year all-inclusive warranty	• MDSC display • 2-year all-inclusive warranty
Options	• Ask about our different model options and associated accessories • Additional service and warranty options	• Ask about our different model options and associated accessories • Additional service and warranty options	• Additional service and warranty options	• Ask about our different model options and associated accessories • Additional service and warranty options	• Ask about our different model options and associated accessories • Additional service and warranty options	• Ask about our different model options and associated accessories • Additional service and warranty options	• Ask about our different model options and associated accessories • Additional service and warranty options	• Ask about our different model options and associated accessories • Additional service and warranty options	• Ask about our different model options and associated accessories • Additional service and warranty options	• Ask about our different model options and associated accessories • Additional service and warranty options	• Ask about our different model options and associated accessories • Additional service and warranty options	• Ask about our different model options and associated accessories • Additional service and warranty options

MDMX-MNA

4K UHD | full HD 1920 X 1080 | CLEANABLE | WIDE VIEW | COLOR | LED TECHNOLOGY | TOUCH | GLASS COVER

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

	IN-WALL SURGICAL CONSOLES		
SPECIFICATIONS	MDMX-24400 GNTB	MDMX-25500 GNNB	MDMX-22449 GNTB
Warranty	2 years	2 years	2 years
Active screen size	15": 376 x 73 mm (14.8 x 2.9") 24": 527 x 296 mm (20.8 x 11.7")	1210 mm x 680 mm (47.6 x 26.8")	15": 376 x 73 mm (14.8 x 2.9") 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	IPS/WLED	15": MVA/WLED 24": IPS/WLED 49": IPS/WLED
Diagonal size	15": 384 mm (15.1") 24": 605 mm (23.8")	1388 mm (54.64")	15": 384 mm (15.1") 24": 605 mm (23.8") 49": 1232 mm (48.5")
Aspect ratio	15": 160:31 24": 16:9	16:9	15": 160:31 24": 16:9 49": 16:9
Native resolution	15": 1280 x 248 24": 1920 x 1080	3840 x 2160	15": 1280 x 248 24": 1920 x 1080 49": 3840 x 2160
Luminance	15": 300 cd/m² 24": 250 cd/m²	500 cd/m²	15": 300 cd/m² 24": 250 cd/m² 49": 500 cd/m²
Contrast ratio	15": 2000:1 24": 1000:1	1100:1	15": 2000:1 24": 1000:1 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 1x 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	• 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

Nexxis

surgery

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!

Platforms for the digital operating room

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.

Benefits

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

Without I-Guard

With I-Guard
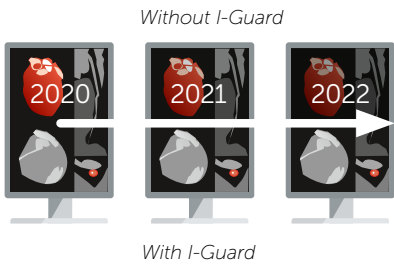
Ambient Light Compensation™ (ALC)

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

DICOM compliance under all lighting conditions thanks to ALC
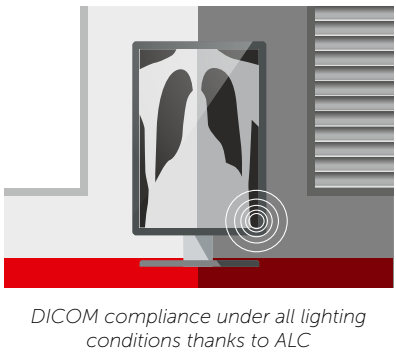
Uniform Luminance Technology™ (ULT)

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

Without ULT   *With ULT*
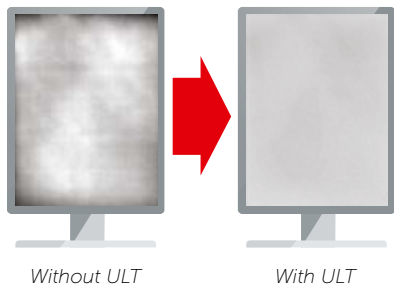
Color Per Pixel Uniformity™ (PPU)

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

Without PPU   *With PPU*
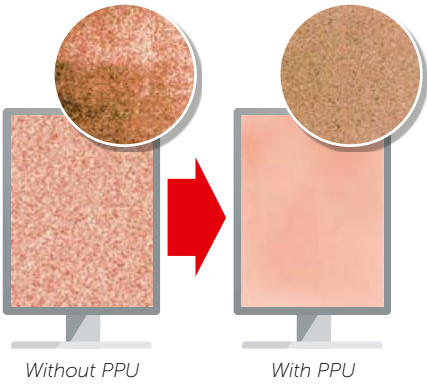
Fusion

'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
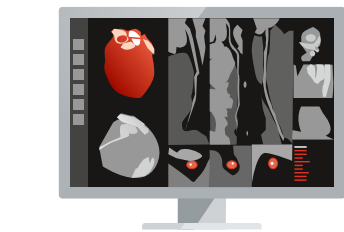
Barco Optical Glass™

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

Watch video
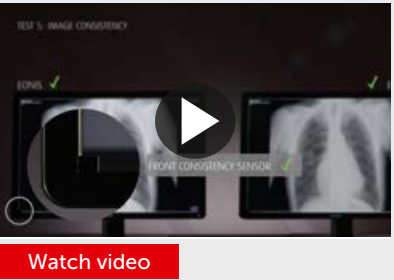
ULT technology highlight

Download

Coronis Fusion video

Watch video

Optical glass technology highlight

Download

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.

Benefits

> Superior diagnostic accuracy
> Wider viewing angle improves multiuser viewing

RapidFrame™

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.

Benefits

> High-speed cine imaging without blur for fast interpretation
> Increased screening efficiency due to highly efficient diagnostic workflow
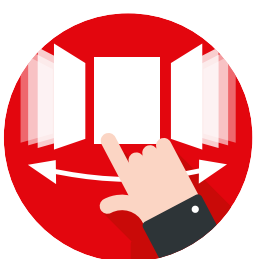
I-Luminate™

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.

Benefits

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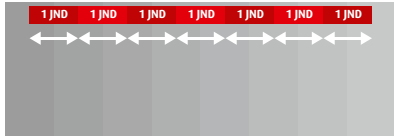
SteadyColor™ & SteadyGray™

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 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.

Benefits

> Maximize the diagnostic value of color in images
> Maintain image quality and DICOM compliance under all lighting conditions

Before SteadyColor   *After SteadyColor*
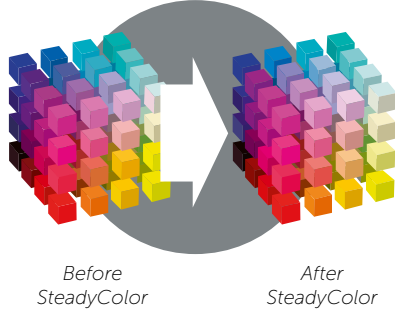
SpotView™

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

> Better visibility of subtle differences in the image
> Extremely helpful when viewing pediatric extremities, breast calcifications and chest exams
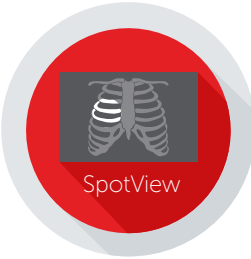
DimView™

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

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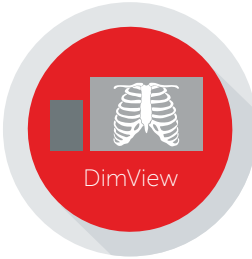
RapidFrame video
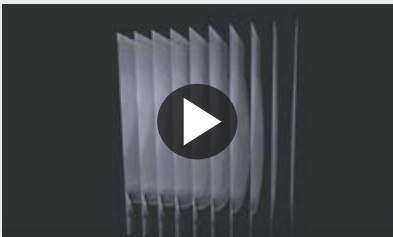
Watch video

SteadyColor technology highlight
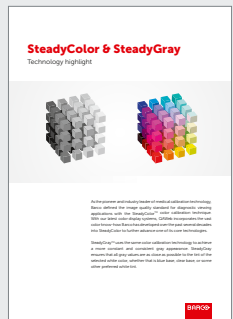
Download

SpotView video

Watch video

DimView video

Watch video

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
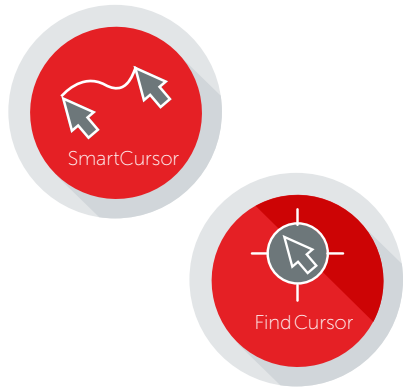
VirtualView™

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, re search, 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
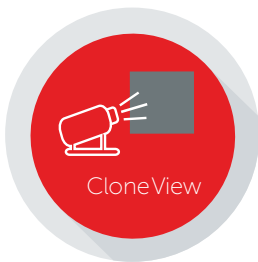
Application Appearance Manager™

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 applica tion 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 hig

Benefits

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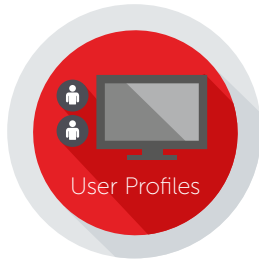
SingleView™

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 im ages can be placed in the center of the screen
> More ergonomic viewing experience

SmartCursor

FindCursor

VirtualView

CloneView

AAM

User Profiles

SingleView
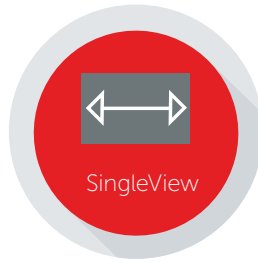
Screenshot

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

ScreenShot

SmartCursor / FindCursor video

Watch video

Watch video

VirtualView video

Watch video

Appearance Manager video
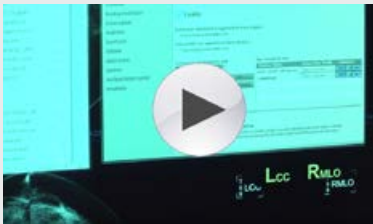
Watch video

User Profiles video

Watch video

Icon overview

Icon	Description	Icon	Description	Icon	Description
5Y WARRANTY	Standard 5-year warranty	FRONT SENSOR	Front-of-screen sensor	STEADYCOLOR	DICOM grayscale and color
10 BIT	10 bit Look Up Table	APPROVED	Approved for medical use	COLOR PPU	Color Per Pixel Uniformity Correction
12 BIT	12 bit Look Up Table	OSD	On Screen Display	SCREENSHOT	Screenshot of image details
30 BIT	30 bit Look Up Table	PPU	Per Pixel Uniformity correction	AAM	Application Appearance Manager
LED BACKLIGHT	LED backlight	QAWEB	QA software included	VIRTUALVIEW	A virtual display
ALC	Integrated Ambient Light Compensation	PIVOT	Usable in portrait and landscape mode	SPOTVIEW	Highlights region of interest
BLOS	Backlight Output Stabilization	TOUCH	Touch screen interface	DIMVIEW	Dims auxiliary displays
COLOR	Color display	ULT	Uniform Luminance technology	FIND CURSOR	Locates the mouse cursor
GRAYSCALE	Grayscale display	WIDE VIEW	Exceptionally wide viewing angle	SMARTCURSOR	Avoids the cursor getting stuck
COVER	Anti-reflective protective front cover	SMOOTHGRAY	Ultra-smooth grayscale precision	CLONEVIEW	For large-screen projection
GLASS COVER	Anti-reflective protective front glass	WIDE SCREEN	Widescreen aspect ratio	**4K** 4096 X 2160	4K native display resolution of 4096 by 2160 pixels
DL	Diagnostic Luminance (Ultra bright display)	DISPLAYPORT	DisplayPort interface	DAISYCHAINING	Allows daisy chaining of displays
DICOM	Compliant with DICOM specifications	MULTI-SENSOR	Multiple built-in sensors	WIDE GAMUT	Displays a wide range of colors
DURALIGHT	Long-lifetime backlights	TOMO	Cleared for breast tomosynthesis	**3D** GLASSES-BASED	Glasses-based 3D technology
GREEN	Environmental-friendly product	I-LUMINATE	'Hot light' button	KVM	Easily switch between 2 workstations attached to the display
FUSION	Seamless wide-screen desktop	RAPIDFRAME	High-speed cine imaging without blur	FOCALPATH	Dim and mask non-critical areas for improved optical accuracy
I-GUARD	Integrated front-of-screen sensor	CONSISTENCY	Front consistency sensor		

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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

[1] Marchessoux, C., et al. (2011). Validation of a new digital breast tomosynthesis medical display. Proceedings of SPIE, 7966, 79660R

[2] Kimpe, T. R. & Xthona, A. (2012). Quantification of detection probability of microcalcifications at increased display luminance levels. , Breast Imaging, Springer 7361, 490-497.

[3] Mony Weschler, Montefiore Medical Center, 2012

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ENABLING BRIGHT OUTCOMES

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