BARCO

Silver partner





Produktkatalog 2022

www.olorin.com

BARCO

Silver partner

Olorin finns i alla delar av sjukhuset



Radiologi

Olorin har monitorer för allt från klinisk granskning, diagnostik och mammografi.

Patientövervakning

Olorin kan tillhandahålla alla typer av monitorer för övervakning.

Operation

Olorin kan erbjuda monitorer med ett stort antal ingångar.

Dental

Olorin är ledande inom monitorer för tandvården.

Registrering

Monitorer för ankmostterminaler med pekpanel.

Patologi

Olorin är en av de få som kan erbjuda en godkänd monitor.

Eonis

As a dental professional, you're concerned about delivering the best care to your patients. So you rely on dental equipment and imaging solutions that help guarantee the most precise dental treatment.

Yet, research has shown that many dentists are disappointed with the quality of digital images, in spite of their big investments in image capture. Why? Well, displays used in dentistry are often not fit for purpose, making it difficult to see accurate images.

Barco now brings the image precision it is renowned for by radiologists, surgeons and specialists around the world to dental professionals too. Based on discussions with hundreds of dentists, we have designed Eonis[®] - an attractive, high-quality dental display that helps you deliver the best possible patient experience.





Eonis integrates QAWeb

- personalize your image settings
- consistent images over time
- possibility for networked QA management



Three reasons for choosing Eonis displays



Unsurpassed image quality

Barco's Eonis displays deliver the sharp images so typical of Barco, even in brightly-lit dental offices. The DICOM preset supports optimal X-ray image viewing, while the unique front sensor automatically aligns the image from the moment you switch on the display. Barco's innovative online QAWeb software lets you personalize your image settings and guarantees a consistent image over time.



Cleanability and safety

Barco's Eonis is the only display on the market that can be cleaned and disinfected with the same products you use for cleaning dental equipment, even when they contain 70% alcohol. Moreover, all connectors are sealed and hidden for extra hygiene. The display also features toughened glass that is shock- and waterproof and is certified as safe to use in a medical environment.



Designed to fit the practice

Thanks to its innovative design, Eonis will fit seamlessly into your dental practice. Sleek, white and cleanable, the dental display will underline your professionalism. Moreover, Eonis is versatile, to be used either on your desk or mounted on an arm. As a neat little extra, we added multiple inputs. In this way, you can show video or TV on the display, to keep your patients relaxed and comfortable.

Clinical review and Dentistry displays

	MDRC-1219	MDRC-2321	MDRC-2222, Option BL	MDRC-2222, Option WP		
SPECIFICATIONS	Eonis 19″	Eonis 21"	Eonis 22" black	Eonis 22" white		
Warranty	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")		
Screen technology	IPS-TFT Color LCD	TFT Color LCD	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")		
Aspect ratio	5:4	4:3	16:9	16:9		
Native resolution	1MP (1280 x 1024)	2MP (1600 x 1200)	2MP (1920 x 1080)	2MP (1920 x 1080)		
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)		
Contrast ratio	1000:1	1500:1	1000:1	1000:1		
Screen protection	Optional: PCAP touchscreen	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		
Video input signals	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 EC: Medical device class (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 		
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 		



MDNC-2123, option DE MDNC-3421, option DE

Nio Color 2MP	Nio Color 3MP
5 years	5 years
521 x 293 mm (20.5 x 11.5")	432 x 324 mm (17.0 x 12.8"")"
LCD	IPS-TFT Color LCD"
598 mm (23.6")	540 mm (21.3")
16:9	4:3
2MP (1920 x 1080 pixels)	3MP (2048 x 1536 pixels)
370 cd/m² (460 cd/m²)	900 cd/m ² (500 cd/m ²)
1000:1	1400:1
Optional: protective cover, anti-reflective glass cover	Optional: protective cover, anti-reflective glass cover
Integrated front-of-screen sensor, BLOS, ALC presets	Integrated front-of-screen sensor, ALC presets
DisplayPort, DVI	DisplayPort, DVI
FDA: Medical Device Class II EC: Medical Device Class IIb (Medical Device Direc- tive 93/42/EEC, amended by 2007/47/EC)	FDA: Medical Device Class II EC: Medical Device Class IIb (Medical Device Direc- tive 93/42/EEC, amended by 2007/47/EC)
 Nio display 5-year all-inclusive warranty QAWeb 	 Nio display 5-year all-inclusive warranty QAWeb
 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

warranty options

warranty options

MDRC-2324, Option WP

MDRC-2324, Option BL



Eonis 24" black	Eonis 24" white
3 years	3 years
518.4 mm x 324.0 mm (20.41" x 12.76")	518.4 mm x 324.0 mm (20.41" x 12.76")
TFT Color LCD IPS	TFT Color LCD IPS
609.6 mm (24.0")	609.6 mm (24.0")
16:10	16:10
2MP (1920 x 1200)	2MP (1920 x 1200)
300 cd/m² (180 cd/m²)	300 cd/m² (180 cd/m²)
1000:1	1000:1
Optional: PCAP touchscreen	Protective, non-reflective glass cover - Optional: PCAP touchscreen
Front consistency sensor	Front consistency sensor
DisplayPort, DVI-I	DisplayPort, DVI-I
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)
 Eonis display 3-year all-inclusive warranty QAWeb 	 Eonis display 3-year all-inclusive warranty QAWeb
 MXRT graphics controller PCAP touchscreen Intuitive Workflow toolset High-bright version <u>Additional service and</u> warranty options 	 MXRT graphics controller PCAP touchscreen Intuitive Workflow toolset <u>Additional service and</u> warranty options

Clarity and confidence

Raising the bar in diagnostic imaging with Barco radiology and mammography displays



Everything you need. And more.

Attention to detail

Barco display systems deliver unrivaled brightness, better contrast, more accurate colors, and a wider viewing angle than other medical displays, resulting in microscope-like image clarity and accuracy. The result is impeccable quality in grayscale, color, moving, and static images from a multitude of modalities.

Peak performance

Barco monitors are a truly all-in-one display system, comprising a high-quality display, an ultra-fast display controller for fast image loading and manipulation, and an automated QA solution to ensure peak performance and uptime.

Easy on the eyes

Growing study volumes result in greater pressures and longer reading days for radiologists. Ergonomic features that minimize stressors, anti-reflective screens, enhanced display form factors, and motion-saving tools increase focus to enhance productivity without discomfort.

Sensory consistency

Built-in stabilization and patented front-of-screen sensors guarantee consistent image brightness and clarity throughout the entire display lifespan and on every display connected to the enterprise network. Colleagues in different locations see identical images, facilitating accurate remote collaboration.

Ultimate peace of mind

No distortions and no distractions thanks to MediCal QAWeb, a cloud-based service for automated Quality Assurance and calibration. And the standard 5-year warranty on Barco radiology displays is the best in the industry.

Introducing Coronis Unit[®]



Nio Color 3MP (MDNC-3421)

3MP high-bright color display



- Best image quality on the market for 3MP color
- Automated Quality Assurance and calibration for stable DICOM images
- Fully-tested system solution from a single source, for ultimate peace of mind

Nio Color 3MP is a 3-megapixel high-bright color display system with LED backlights, providing excellent image quality for confident diagnoses. Its exceptional brightness (calibrated at 500 cd/m2) helps you discern even the tiniest detail - even after many years of use.

The best 3MP color solution on the market

The new Nio Color 3MP offers the best image quality in the market for a 3MP color solution. Its high brightness and high contrast ratio enable you to unveil even the subtlest details and make accurate diagnoses. With the integrated smart features, you can easily take control and improve your productivity. SpotViewTM, for example, allows you to focus on an area of interest to unveil even more details. And with DimViewTM, any auxiliary displays can be automatically dimmed. The Nio Color 3MP is also an excellent solution for radiologists who want to angle their desktop: it lets you choose your preferred viewing angle and offers highly ergonomic display configuration.



Ultimate peace of mind

Barco is the only company that provides complete system solutions, from display and controllers to workflow tools and calibration via QAWeb Enterprise. All components are covered by our full 5-year warranty. At product release, Barco extensively tests the displays compatibility with all major PACS applications.

- High-bright and power-efficient LED backlights
- Accurate grayscale and color rendering
- Front sensor and QAWeb Enterprise for easy DICOM conformance
- High-performance 3D rendering with full 3D, OpenGL and DirectX support

Coronis Fusion 6MP (MDCC-6530)

6MP diagnostic color display system





- Color fusion display for flexible multimodality imaging
- With toolset to spark productivity
- Automated QA and calibration

A brighter diagnosis

Coronis Fusion, Barco's renowned multi-modality display for radiologists, now comes in a new, energy-efficient and lightweight design. Bright on so many levels, Coronis Fusion has been designed to help radiologists provide care with confidence.

See more details quickly thanks to the high brightness, high contrast ratio and best-in-class image quality. What's more, the wide color gamut in combination with SteadyColor™ calibration technology helps you see even more colors and more details on the 30-inch screen.

Smart workflow

Designed for your comfort and to boost productivity, Coronis Fusion comes with smart imageenhancing features and clinical workflow tools. The display's wide viewing angle combined with the SoftGlow[™] task and wall light help reduce eye strain. Thanks to SpotView[™], a proven clinical tool, radiologists can further improve detection accuracy as well as reading productivity.

Effortless quality & compliance

Like all of Barco's medical display systems, Coronis Fusion comes with QAWeb Enterprise, a cloudbased technology for automated calibration, Quality Assurance and compliance to ensure maximum uptime of the display with no need for human intervention.

A one-stop-shop solution

Barco medical display systems include exclusive display controllers that are validated with the latest workstations and with all major PACS applications. All components are under the full 5-year warranty (including the display backlight) for complete peace of mind.

BARCO

Models

- MDCC-6530: includes protective, anti-reflective glass cover
- MDCC-6530 NC: without cover

Coronis Uniti (MDMC-12133)

12MP diagnostic display system for PACS and breast imaging



- PACS and breast imaging on one display
- In grayscale and color (featuring unique color calibration!)
- With touchpad for fast control

The only display for PACS and breast imaging

Meet Coronis Uniti®. The only display explicitly designed for both PACS and breast imaging. Unique in its representation of calibrated color and grayscales. Remarkable in its 2D and 3D capabilities. Capable of both static and dynamic imaging. Together, these features will forever change the way you work.

Unify your workflow

Coronis Uniti® delivers the first unified workflow – combining PACS and breast images on one workstation. It's the solution that replaces all display configurations, eliminating the need for a multi-head display set-up or to move to another workstation to view additional exams.

- Combines PACS and breast images on one workstation
- Pushes productivity
- Speeds up reading sessions

See what you haven't seen before

Everything you see on the big, 12 MegaPixel screen is sharp and precise. That's because every Coronis Uniti display is calibrated to meet the DICOM standard for grayscales and to guarantee consistent, perceptually linear color – an industry first.

- Features unique color calibration
- Fits more images on one display
- Reduces the need for panning and zooming
- Ensures uniform images at all times
- Unveils the smallest details
- Ensures automated QA and calibration



Get used to being comfortable

Coronis Uniti was designed with ergonomics in mind, mirroring a human's natural field of vision to optimize your reading experience:

- Reduces reflection
- Enhances image sharpness
- Reduces eye fatigue
- Limits head, hand, and eye movements
- Increases reading comfort

Get more bang for your buck

A universal radiology display, Coronis Uniti is a one-time investment that will last a lifetime.

- Helps you see more patients per day
- Simplifies control and management of the display network
- Leads to major reductions in display cost

Technologies that enhance image quality:

- SteadyColorTM calibration technology to meet the DICOM standard for grayscales and to guarantee consistent, perceptually linear color.
- Color PPUTM technology to make every pixel permanently DICOMcompliant, ensuring consistent colors and grayscales.
- SmoothGrayTM for the best DICOM precision.
- MediCal QAWeb, a cloud-based technology for automated calibration and Quality Assurance.
- I-GuardTM front sensor to ensure 24/7 compliance to medical standards.
- DuraLight BrillianceTM to deliver exceptional brightness.
- LED backlights for efficient, long-lasting brightness.
- I-LuminateTM to double the brightness to more than 2,000 nits.
- A film clip so you can use your display as a virtual light box to view film priors.

Technologies that enhance ergonomics:

- The highest resolution (12MP) on a large, bezel-free image area.
- SpotViewTM to focus the light on things you want to have a closer look at.
- OpticalGlassTM to reduce reflection, enhance image sharpness and hence viewing comfort. Durable and scratch-resistant.
- SoftGlowTM task light and wall light to reduce eye fatigue.
- Choose between Clear Base and Blue Base viewing modes on-the-fly.





Diagnostic and Mammography displays

	2MP	3MP	4MP	5MP			
	MDNC-2221	MDNC-3421	MDCC-4430	MDNG-5221			
				Маммо			
SPECIFICATIONS	Nio Color 2MP	Nio Color 3MP	Coronis Fusion 4MP	Nio 5MP			
Warranty	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")			
Screen technology	TFT AM Color LCD IPS	TFT AM Color LCD IPS	IPS-TFT color LCD	a-si TFT active matrix dual domain IPS			
Diagonal size	540 mm (21.3")	540 mm (21.3")	772 mm (30.4")	540 mm (21.3")			
Aspect ratio	3:4	3:4	16:10	4:5			
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)			
Luminance (DICOM calibrated)	800 cd/m ² (500 cd/m ²)	900 cd/m² (500 cd/m²)	1050 cd/m² (600 cd/m²)	1020 cd/m² (600 cd/m²)			
Contrast ratio	1400:1	1400:1	2000:1	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			
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, Intel- ligent Multi-Sensor Technology, ALC	Integrated front-of-screen sensor, BLOS, ALC			
Diagnostic imaging technology	3 3 3 1		SteadyColor, Color PPU, SmoothGray, MXRT, Intuitive Workflow Tools with optional touchpad	ULT, MXRT, Intuitive Workflow Tools			
Video input signals	DVI-D Dual Link, DisplayPort	DVI-D Dual Link, DisplayPort	DisplayPort 1.2 (2x)	DVI-D Dual Link, DisplayPort			
	FDA: Medical Device Class II	FDA: Medical Device Class II	FDA: Medical Device Class II	FDA: Medical Device Class II			
Medical device regulations	EC: Medical Device Class IIb (Medical Device Directive 93/42/ EEC, amended by 2007/47/EC)	EC: Medical Device Class IIb (Medical Device Directive 93/42/ EEC, amended by 2007/47/EC)	EC: Medical Device Class IIb (Medical Device Directive 93/42/ EEC, amended by 2007/47/EC)	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			
Options	controller options, <u>Additional</u> controller options, <u>Additional</u> controller options, <u>Additional</u> controller		Additional MXRT graphics controller options, <u>Additional</u> service and warranty options				



		6MP	12MP	
MDNC-6121	MDCG-5221	MDCC-6530	MDNC-12130	MDMC-12133
Nio Color 5MP	Coronis 5MP	Coronis Fusion 6MP	Nio Fusion 12MP	Coronis Uniti®
5 years	5 years	5 years	5 years	5 years
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")
a-si TFT active matrix dual domain IPS	a-si TFT active matrix dual domain IPS	IPS-TFT color LCD	LCD	IPS
540 mm (21.3")	540 mm (21.3")	772 mm (30.4")	784 mm (30.9")	853.44 mm (33.6")
3:4	4:5	16:10	3:2	3:2
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
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)
1400:1	1200:1	2000:1	1500:1	1200:1
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
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
ULT, MXRT, Intuitive Workflow Tools, Steady- Color, SteadyGray, Clear/ BlueBase	PPU, SmoothGray, DuraLight, I-Luminate, MXRT, Intuitive Workflow Tools	SteadyColor, Color PPU, SmoothGray, MXRT, Intui- tive Workflow Tools with optional touchpad	RapidFrame™, ULT, MXRT, Intuitive Workflow Tools, SteadyColor™, SteadyGray	SteadyColor, Color PPU, I-Lumi- nate, RapidFrame, SmoothGray, DuraLight, Clear/BlueBase, Soft- Glow, Filmclip, MXRT, Intuitive Workflow Tools with Touchpad
DVI-D Dual Link, Display- Port	DVI-D Dual Link, DisplayPort	DisplayPort 1.2 (x2)	DisplayPort 1.2 (2x) with built-in KVM switching	DisplayPort 1.2 (2x)
FDA: Medical Device Class II	FDA: Medical Device Class II	FDA: Medical Device Class II	FDA: Medical Device Class II	FDA: Medical Device Class II
EC: Medical Device Class IIb (Medical Device Directive 93/42/EEC, amended by 2007/47/EC)	EC: Medical Device Class IIb (Medical Device Directive 93/42/EEC, amended by 2007/47/EC)	EC: Medical Device Class IIb (Medical Device Directive 93/42/EEC, amended by 2007/47/EC)	EC: Medical Device Class IIb (Medical Device Directive 93/42/EEC, amended by 2007/47/EC)	EC: Medical Device Class IIb (Medical Device Directive 93/42/EEC, amended by 2007/47/EC)
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 diagnos- tic 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 control- ler, Intuitive Workflow toolset, SoftGlow keyboard and wall light, Touchpad and film clip
Additional MXRT graphics controller options, <u>Additional</u> service and warranty options	Additional MXRT graphics controller options, <u>Additional</u> service and warranty options	Additional MXRT graphics controller options, <u>Additional</u> service and warranty options	Additional MXRT display controller options, <u>Additional</u> service and warranty options	Additional service and warranty options

Ultimate slide to eye confidence

with Barco's 27" 8MP ultra-high definition display, cleared for digital pathology



Cleared to walk the digital path



The first stand-alone display cleared for interpretation of digital histopathology slides

Barco's MDPC-8127 medical grade display is the first standalone display to receive regulatory clearance as an independent component within multiple IVD-labeled whole slide imaging systems, including primary diagnosis. As a pathologist, you can now choose a modern, medical grade display that provides the superior image quality you need, separately from your whole slide imaging system.*

A medical grade solution exclusively designed for digital pathology

The MDPC-8127 checks the requirements of a medical grade display: it ensures high-quality brightness and detail during its entire lifetime thanks to exclusive enhancing visualization technologies. Barco's QAWeb Enterprise software adds automated color calibration, departmental QA policy compliance and record keeping. In short: the display solution is equipped to provide you with clinical, operational, and regulatory compliance confidence throughout its entire lifetime.

- The MDPC-8127 is a stand-alone display, for minimal adjustments in your infrastructure
- Strengthen your existing infrastructure with superior image quality
- No need to invest in an entirely new whole slide imaging ecosystem



MDPC-8127

27" 8MP, ultra-high definition display, cleared for digital pathology



- 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

Meet MDPC-8127, Barco's ultra-high definition medical grade 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.*

Diagnostic clarity

Perceive more when investigating the etiology and pathogenesis of histological samples thanks to ultimate brightness, authentic colors and constant image stability throughout the display's long-lasting lifetime. The MDPC-8127 provides you with optimal viewing confidence and improved workflow efficiency.

The 8 megapixel, ultra-high definition display has a high pixel density and color perpixel-uniformity, so slide images are displayed extremely sharp and consistent. This offers you more visible slide area to work with, at all viewer zoom levels, to help spot details more easily and aid in timely analysis.

The MDPC-8127 comes with RapidFrame[™] technology to help ensure crisp, infocus images during panning and zooming. Together with the display's ultra-fast refresh rate, you can effortlessly pan and zoom with minimal blurring, and push your workflow as fast as you like.

Color confidence

Enjoy unprecedented visual richness and color confidence in the specimens you view, with the MDPC-8127's 132% of sRGB wide gamut coverage tailored for digital pathology images and range of 1.07 billion possible colors. The display is equipped with an I-Guard[™] front sensor that protects your display's image quality during every reading session. In concert with QAWeb Enterprise, color management within your digital pathology viewing software, using ICC profiles, is automatically supported, and pathology images are shown consistently across your enterprise and





telepathology reading sites.

A sustainable choice

Your whole slide imaging scanner, viewing software and storage space are investments made to stand the test of time, together with you and your team. Your display is the final step in the imaging chain, so why not go for sustainable quality in the long term there as well? With an A+ Barco Product Ecoscore, this display was built to minimize its overall environmental footprint. All with an industry-leading 5-year warranty and stable image quality over its long lifetime, the MDPC-8127 will do justice to your infrastructure investment in digital pathology. EssentialCare and 2-year ExtendedCare service packages are also available, for even more ease of mind.

Touchpad control

The MDPC-8127 comes standard with a high-precision Barco touchpad, for improved ergonomics and productivity:

- Single finger slide navigation
- Easy image panning
- Image zoom changes with finger pinching and expanding motion

The touchpad also grants you direct access to Barco's MXRT display controller based Intuitive Workflow Tools, with six programmable buttons.

PRODUCT SPECIFICATIONS	MDPC-8127
Screen technology	IPS LCD with LED backlight
Active screen size (diagonal)	684 mm (27*)
Active screen size (H x V)	569 x 335 mm (22.4 x 13.2")
Aspect ratio (H:V)	16:9
Resolution	8MP (3840 x 2160 pixels @ 120 Hz)
Pixel pitch	0.155 mm
Color imaging	Yes
Gray imaging	Yes
Color depth	10 bit (1.07 billion possible colors)
Viewing angle (H, V)	178°
Screen surface treatment	Anti-Glare coating
Uniformity Technology	PPU
Color calibration	sRGB, SteadyColor (with QAWeb Enterprise), DICOM GSDF, Native
Color gamut NTSC	115% (typical)
Color gamut sRGB	132% (typical)
Color gamut DCI-P3	105% (typical)
Ambient light presets	Yes, reading room selection
Ambient light sensor	Yes
Front sensor	Yes, I-Guard
Maximum luminance (panel typical)	850 cd/m ²
Calibrated luminance	450 cd/m ²
Contrast ratio (panel typical)	1000:1
sRGB Delta E2000 (typical)	< 1 (average) < 3 (maximum)
Response time ((Tr + Tf)/2) (typical)	8 ms
Housing color	Black / White
Video input signals	2x DisplayPort 1.2
USB ports	1x USB 2.0 upstream (endpoint) 2x USB 2.0 downstream

Remote radiology reading

Dependable imaging wherever you work



There's a growing trend in radiology towards doctors doing more reading outside the hospital. But when working remotely, how can you rely on the same level of quality, security and performance you get from medical workstations in the hospital reading room?

To answer that question, Barco developed a solution specifically designed for remote radiology reading, tackling the issues of performance and workflow, security and patient privacy, as well as quality and compliance.





"Just dock it": from laptop to medical display

Meet Barco's remote reading solution: the eGFX Home Read Station, with which you're all set to start reading at home. Small in size but enormous in performance, this solution can drive any high-resolution display used for medical imaging applications. Use an eGFX station connected over Thunderbolt[™] 3 to start reading medical images and get access to additional features, such as Barco's clinical tools and QAWeb Enterprise.

The flexibility you need

No need to transfer a bulky desktop from the hospital to the home office. Now, you have a fully mobile radiology workstation that offers dependable image quality and consistent workflow wherever you work.

Images you can rely on

Expect the same performance as in the hospital reading room. Get access to Barco's clinical tools for increased accuracy and productivity. And make confident diagnostic decisions anywhere.



eGFX Home Read Station Compatible with Barco displays systems and validated mobile

workstations, you'll lose no time and effort in configuring and supporting remote reading stations.¹

Quality guaranteed

It's no easy feat to manage a growing number of workstations. That's why Barco's remote reading solution includes access to our renowned QAWeb Enterprise. Automate compliance as well as quality assurance of every remote workstation. Track and report on these from anywhere. What's more, validated and tested configurations will help QC staff to configure and support remote workstations in no time.

Did you know?

78% of Quality managers struggle to maintain workstations across multiple locations. **68%** say workstations used for home reading are particularly challenging to control.²

The reputation your hospital deserves

Ensure the best working conditions for clinical staff. Enable flexible work schedules and promote a good worklife balance through home working opportunities. It's the best way to attract and retain top talent in a highly competitive market.

Benefits for everyone:

RADIOLOGISTS

- More flexible work planning
- On-call at home, not at the hospital
- Improved workflow and productivity
- Diagnostic confidence, anywhere

HEALTHCARE IT / PACS ADMINISTRATORS

- Optimal working conditions to attract top radiologists
- Medical compliance outside hospital walls
- Extension of security and patient privacy practices

QUALITY MANAGERS

- Remote management of workstations across multiple locations
- Validated configurations to set up home reading workstations

BARCO

• Automated QA & QC reporting

eGFX Home Read Station

Flexible remote radiology reading solution



- Preinstalled MXRT-4700 display controller
- 3x DisplayPort 1.4 Video Outputs
- 2x USB 3.0 ports on the front for added connectivity
- RJ 45 Gigabit Ethernet for high speed network connectivity
- Dual Thunderbolt[™] 3 controllers for dedicated bandwidth
- Aluminum design for lightweight performance
- Compact design and small footprint

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 ThunderboltTM 3, you can enjoy the same imaging performance, workflow productivity and tools at home as in the hospital.

Compatible with Barco displays systems and validated mobile workstations, you'll lose no time and effort in configuring and supporting remote reading stations. With QAWeb Enterprise, quality and compliance of all workstations can be managed remotely, so software updates and security scans can be executed easily.

Remote reading allows radiologists to work more efficiently, ensures optimal working conditions and enables a flexible work schedule. On-call, weekend and late-evening duties, for example, can be performed at home instead of at the hospital. With the millennial generation and digital natives entering the workforce, home reading is becoming a standard benefit in radiology hiring.

BARCO

PRODUCT SPECIFICATIONS	EGFX HOME READ STATION
Power consumption	240W
Operating system	Windows 10 (64-bit)
Platforms	Intel® and AMD architectures
Power Connector	None
Graphics accelerator	AMD Radeon Pro™
Display memory	4GB DDR5
Memory interface	128-bit
Memory bandwidth	92 GB/s
Pixel depth	32-bit pixels (10-bit grayscale and 30-bit color)
Electrical standard	DisplayPort (DP) v1.4
Direct3D hardware support	Microsoft® DirectX v12, Vulkan® 1.1, Shader Model 5.1
OpenGL hardware support	OpenGL 4.5
Connectors	(1x) DisplayPort 1.4 (2x) Mini-DisplayPort 1.4
Environmental	0° to 55°C
Connectivity	DisplayPort to Single-link DVI adapter available separately 2x USB 3.0 ports on the front for added connectivity RJ 45 ethernet Gigabit LAN connection for high speed network connectivity, located on the back side of the enclosure
Bandwidth	Up to 40Gbps
Cooling	Perforated design and internal fans allow for ample cooling of the graphics card
Cover	Aluminum design for lightweight performance
Dimensions	8.5" x 6" x 2.75"

Last updated: 10 May 2021

Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.

ENABLING BRIGHT OUTCOMES

BARCO

Intuitive Workflow

Work smarter, not harder

Focus

Improve your focus with a range of tools specifically designed to help you **concentrate on important details.** Make them more visible or, on the contrary, dim displays or areas you don't need to view at a certain moment. See clearly what matters most! As an example, SpotView has been proven to increase accuracy and decrease reading time.

SpotView



SpotView enables focused observation during readings by dimming images outside a region of interest and enhancing the contrast within it. Especially helpful when viewing pediatric extremities, breast calcifications and chest

images, SpotView supports analyzing subtle differences in the image. It can be enabled either via a hotkey or with the Barco Touchpad available with compatible displays.

• With **SpotView Mag**, an integrated magnifier, you can double the image size in the focal spot.

• With **SpotView Invert**, you can easily invert all of the pixels in the region of interest for alternative viewing perspectives.

• When used with the Barco **Touchpad**, SpotView Align is also available. Choose additional shapes to segment the image for review, such as a bar shape for which you can specify a custom angle.

• With **SpotView Align**, you can also choose a 'V' shape that provides a reflection of the bar down the middle so you can align it with the chest wall in mammography images. Use our touchpad to dynamically define the angle.



DimView



DimView automatically dims the auxiliary displays you use for patient worklists or dictation. That means there is less peripheral light during readings, so your eyes can focus on the diagnostic display. You can select

which display(s) should dim automatically when your cursor is not on them. You can dim each of the displays independently (DimView), or you can synchronize the dimming of all auxiliary displays together (DimView Link).

I-Luminate



I-Luminate boosts the brightness of your display, helping you to spot small details more easily. On our Coronis Uniti display, it makes objects the size of calcifications as much as 30% more conspicuous! Toggle

I-Luminate on and off at the touch of a button or through a combination on your keyboard.

FocalPath



FocalPath is our first Workflow Tool designed specifically for pathologists, to help you focus on critical details. With FocalPath, you can dim and mask non-critical areas for improved optical accuracy. The viewing area

that remains is circular and positioned in the middle of your screen. Its size is customizable, and everything outside of it is dimmed so you don't get distracted.

SpotView Mag

Flexibility

Everyone has their preferences in how they work. **Adapt your workstation's settings** to how both you and your colleagues work best. Our Intuitive Workflow Tools for Flexibility offer you additional and customizable screen real estate, sharing options, and plenty of possibilities for personalization - either per modality or per user.

User Profiles



Create a custom profile based on your preferred settings. You can set profiles per modality and per user, and switch between them easily. User profiles enable a quick environment switch for image type, such as a

lower luminance for X-ray images and higher luminance for mammography images.

If you share a display with colleagues, you can personalize it according to your individual preferences. Customized workflow tool settings can be saved in the user profile and distributed to other systems.

SingleView



With SingleView, you can drive your dual input display as a single desktop, eliminating any tearing down the center of the display. This results in a more flexible desktop, on which you can place images in the center of

the screen without risk of image corruption.

Clear/Blue base



View images the way you prefer. With Blue base toggled on, the white point will be shifted to a higher color temperature, resulting in a blueish hue more traditional for viewing mammography images, or just to keep you

alert. On the other hand, your display can also calibrate to Clear base and you'll see images in more neutral white and gray tints.

VirtualView



VirtualView gives you more room on your screen without the need for an additional display. You can just create a virtual display to use as a navigational head or for other software, such as dictation. VirtualView has

been carefully designed to work with existing PACS software applications. You can set the location of the virtual display, and when your cursor moves into that area, it will appear. The window can also be activated and hidden by a hotkey.

Application Appearance Manager



The high luminance of your diagnostic display may not be necessary when you're using it to view text documents, emails or other non-diagnostic applications. In fact, in those situations the brightness of the display might

even strain your eyes. AAM allows you to set windows of specific applications to a lower luminance or different color profile, while retaining the full diagnostic luminance for applications that require it.

Conference CloneView



Ideal for multi-disciplinary team meetings when sharing images with an audience, Conference CloneView enables you to create a high-quality cloned image without losing pixel precision, for example through a

projector. The interface has been designed to be fast and simple and will retain the configuration even after logging off or restarting the workstation. On three or four output display controllers, two images can be combined into one on the projected image, which allows side-by-side comparison. Furthermore, you can zoom in on the projected image so your audience can focus on details more easily.

GRAPHICS CARD COM	PATIBILITY CHART
1 source > 1 projector	MXRT-2600, MXRT-5600, MXRT-7600, MXRT-2700, MXRT-4700, MXRT-6700, MXRT-8700
2 sources > 1 projector	MXRT-5600, MXRT-7600, MXRT-2700, MXRT-4700, MXRT-6700, MXRT-8700
2 sources > 2 projectors 3 sources > 1 projector	MXRT-5600, MXRT-7600, MXRT-6700, MXRT-8700



Comfort

Working with multiple, large displays in a dark room can bring along its little annoyances. That is why our Intuitive Workflow Tools for Comfort help you do away with some recognizable interruptions. Boost your workflow further thanks to those extras and **make your workspace extra comfortable!**



SmartCursor



Using multiple resolution displays in a PACS workstation often results in the cursor getting stuck traveling from one display to another. SmartCursor eliminates this problem by mapping the cursor to the correct spot on

the adjacent display so you don't lose time due to cursor complications (and frustrations).

FindCursor



Many reading configurations consist of multiple displays where the cursor can get lost across the extended desktop real estate. With FindCursor, you can quickly locate the cursor on these systems by simply holding

down the programmable hotkey, to indicate its location by a highlighted circle.

ScreenShot



Ideal for multi-disciplinary team meetings when sharing images with an audience, Conference CloneView enables you to create a high-quality cloned image without losing pixel precision, for example through

a projector. The interface has been designed to be fast and simple and will retain the configuration even after logging off or restarting the workstation. On three or four output display controllers, two images can be combined into one on the projected image, which allows side-byside comparison. Furthermore, you can zoom in on the projected image so your audience can focus on details more easily.

FilmClip



It can happen to every radiologist: the priors of the case you're reviewing aren't digitized yet, and you have them laying on a folder on your desk. Not an ideal situation if you don't have a lightbox nearby, or if you need to

compare an analog image with digital ones. With FilmClip, you can easily turn part of your display screen into a bright light, and slap the film into a magnetic clip in front of it. This way, you can read the film next to any digital images on your display. You can choose between different sizes for your 'lightbox'.

SoftGlow



Get full control of the ambient light surrounding your workstation. Displays equipped with SoftGlow offer you two adjustable light sources, coming from your display. The first illuminates the background

behind your display, the second the space on your desk in front of it, so you can read printed documents more easily. In this way, your eye needs to adapt less intensively when it moves from your bright display to something in your darker office. You can choose which one should be on or use both at the same time. Adjust their brightness according to your preference!



Barco's high-precision touchpad

Barco's high-precision touchpad makes it easier for you to work with diagnostic images, and to use our Intuitive Workflow Tools. It grants you direct access to our medical display controllers and our Intuitive Workflow Tools, with six programmable buttons for even better ergonomics and productivity. The touchpad is included with some of our displays, or available as an add-on.

About Barco's advanced medical display controllers

Barco's MXRT medical display controller series takes performance, longevity and workflow support required for your PACS workstation to the next level. The boards support higher refresh rates and resolutions than their predecessors to ensure compatibility with evolving protocols and modality requirements. On top of that, their robust graphics processing engine will enhance your workflow with faster image loading.

The MXRT-x700 series was released with long-term availability and lifetime in mind. Manufactured with robust hardware components and designed for optimal thermal control, the boards are ready for the challenges of a 24/7 extended use operation environment.

A 5-year warranty and extended availability meets the needs of long-term equipment management and avoids frequent system reconfiguration. Paired with a Barco diagnostic display system, the boards guarantee the necessary performance and expected support for medical use.

Currently supported cards are MXRT-x600 and MXRT-x700. Find more information, drivers and software at: **www.barco.com/mxrt**







BARCO

	PROFILES	CTEENSHOT	AAM	VIRTUALVIEW		FOCALPATH	TOUCHPAD		SMARTCURSOR	FIND CURSOR			FILM CLIP	SOFTGLOW	I-LUMINATE
Coronis Uniti	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark		\checkmark^2	\checkmark							
Coronis/Nio Fusion	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark		√ ²	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark		\checkmark	
Coronis	\checkmark	\checkmark	\checkmark^1	\checkmark	\checkmark			\checkmark	\checkmark	\checkmark		\checkmark	(3)		\checkmark
MDPC-8127			\checkmark		\checkmark	\checkmark	\checkmark					\checkmark			
Nio Gray/Color	\checkmark	\checkmark		\checkmark	\checkmark			\checkmark	\checkmark	\checkmark		\checkmark			
Nio Color 5MP	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark			\checkmark	\checkmark	\checkmark		\checkmark			
Eonis	\checkmark	\checkmark		\checkmark				\checkmark	\checkmark	\checkmark		\checkmark			

Intuitive Workflow Tools line-up

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

ENABLING BRIGHT OUTCOMES

QAWeb Enterprise

Always a clear view





What is **QAWeb Enterprise?**

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.

Why go for **QAWeb Enterprise**?

Scalable Powerful tools to manage workstations in all locations from anywhere, at anytime

✓ Flexible Customize policies to meet your quality requirements

IT manager requests*

91%



✓ Intuitive Effortless compliance and smart reporting

✓ Secure Assured security and patient privacy I can complete QA in less time, maintaining precise DICOM and color calibration, consistent brightness, and other clinical parameters.

> **Sven Gallo,** Medical Physicist, ProMedica

90%

want an **overview of all their assets** from anywhere at anytime 88%

want a **dashboard view** of all their workstations

* The MarkeTech Group (2017). Quality and Compliance Challenges in Healthcare.

A cloud-based solution to fit your needs



QAWeb Enterprise makes managing quality and compliance simple and worry-free so you can focus on keeping your department running efficiently.

Comply with regulations and standards

QAWeb Enterprise automates QA and compliance tests to meet ACR, AAPM, EUREF and other regional standards, and - thanks to auto-healing - issues can be resolved in no time from anywhere, reducing effort and cost.

Assure uptime

QAWeb Enterprise grows with your enterprise, enabling you to maximize IT resources and assure uptime while managing costs.

Optimize your investment

For IT managers, it's crucial to have an overview of compliance and QA status at all times. QAWeb Enterprise provides customized views, personalized dashboards and easy access to reports to prepare for audits.

Plus, it is included with all Barco display systems and covers all workstations throughout your enterprise.

Securely connect from anywhere

Depend on a cyber-secure platform that is easy to configure and simple to deploy, with no local server needed. And because you are connected your organization will always be up-to-date with the latest guidelines and standards. Always a clear view, no matter where you are.



QAWeb has taken our workflow from fifteen to twenty hours of manual calibration down to about five to ten minutes.

> Fred Linthicum, Senior Analyst on the Diagnostic Imaging Team, Piedmont Healthcare, US

Benefits across the enterprise





CIO / PACS Administrator

QAWeb Enterprise is easy to deploy and maintain and provides powerful asset management tools, . From compliance and scalability to reporting, QAWeb checks all the critical requirements. And since QAWeb Enterprise is a medical device you can have confidence in the quality and security of your systems.

QA/IT

Custom policies and personalized views help with managing the growing number of workstations and remote facilities. Every issue is resolved quickly, and quality and compliance to changing standards is hassle-free.

Medical Physicist

With customized views and reports, it's easier than ever to manage and confirm compliance, assure uptime, and prepare for audits.

Radiologist

For the best outcomes, the radiologist needs confidence in the quality and consistency of the image as well as the compliance of the workstation.

For more peace of mind

With Barco's ConnectCare and ManagedCare services, powered by QAWeb Enterprise, your organization can save even more time and reduce costs with personalized features and reporting, knowledgeable support from dedicated professionals and tailored offerings to help your organization optimize the value of your investments so you can focus on patient outcomes.

BARCO



ROLINE TFT Cleaner with microfiber cloth

Product No. Manufacturer Manufacturer No. EAN (single piece) 19.03.3160 ROLINE 1623 7611990178612



Eco-friendly special cleaner for TFT and Laptop monitors, LCDs, PDAs, monitor filters, surfpads and all coated and uncoated glass surfaces (e.g. mirrors, overhead projectors and lenses).

- 250ml pump-spray bottle
- No alcohol (not flammable), completely bio-degradable
- Including microfiber cloth (40x40 cm)

Danger & Safety Instructions: Warning. May cause an allergic skin reaction. Wear protective gloves. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice / attention.

Technical specifications				
Manufacturer	ROLINE			
Product group	Cleaning products			
Product type	Screen Cleaning			
Colour	multicolored			
Scope of delivery	Pump-spray bottle 250 ml			
Contents	0.25			
Microfibre cloth	Yes			

Mer än bara bildskärmar!

All-In-One panel PC

Olorin kan erbjuda helt rengöringsbara, passivt kylda panel PC - fullt utrustade med Intel Core i7, USB 3.2 Gen 2 typ A och C, HDMI samt NVMSE SSD för lagring.





Stativ, vagnar och armar

Olorin har flertalet vagnar, stativ och armar som specifikt utvecklade för sjukvården. Helt rengöringsbara och smidiga lösningar.

Möss och tangentbord

Det finns ett stort behov av rengöringsbara tangentbord och möss inom sjukvården och Olorin är redo att möta behovet, vi kan erbjuda flera olika lösningar.







Kablage och trådlös video

Som monitortillverkare har Olorin ett stort utbud av kablage av hög kvalité som fungerar utmärkt i krävande miljöer. Olorin har även medicinsk trådlös video över HDMI.



Olorin AB

Olorin är ett svenskt företag som är specialiserade på tillverkning av monitorer marint och medicinskt inom olika nischområden. Vi har lång erfarenhet med funktion och arbetsplatsmiljö i fokus.

Alla våra produktområden är specifika i sig och ställer unika krav, både vad det gäller prestanda och design. En gemensam nämnare är kvalitét vilket återspeglas i valet av komponenter, leverantörer och inte minst i vår kontinuerliga produktutveckling.

Olorin fungerar även som distributör för ett flertal välkända varumärken, främst riktade mot sjukvården i Sverige.

Internationellt

Vi levererar skärmar i huvudsak till kunder i Norden och Europa men når också kunder i andra världsdelar, vi har bland annat skärmar installerade i Sydney, Shanghai, Caracas och Dubai.

Huvudkontoret finns i Kungsbacka. Försäljning och support utanför Sverige sker via distrbutörer i Danmark, Norge, Tyskland, Frankrike med flera, på respektive marknad.





Kontakta oss

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Webb www.olorin.com **Telefon** 0300 - 56 67 80

Mejl info@olorin.com Öppettider Mån- Fre: 08.00 - 17.00

Lunch: 12.00 - 13.00