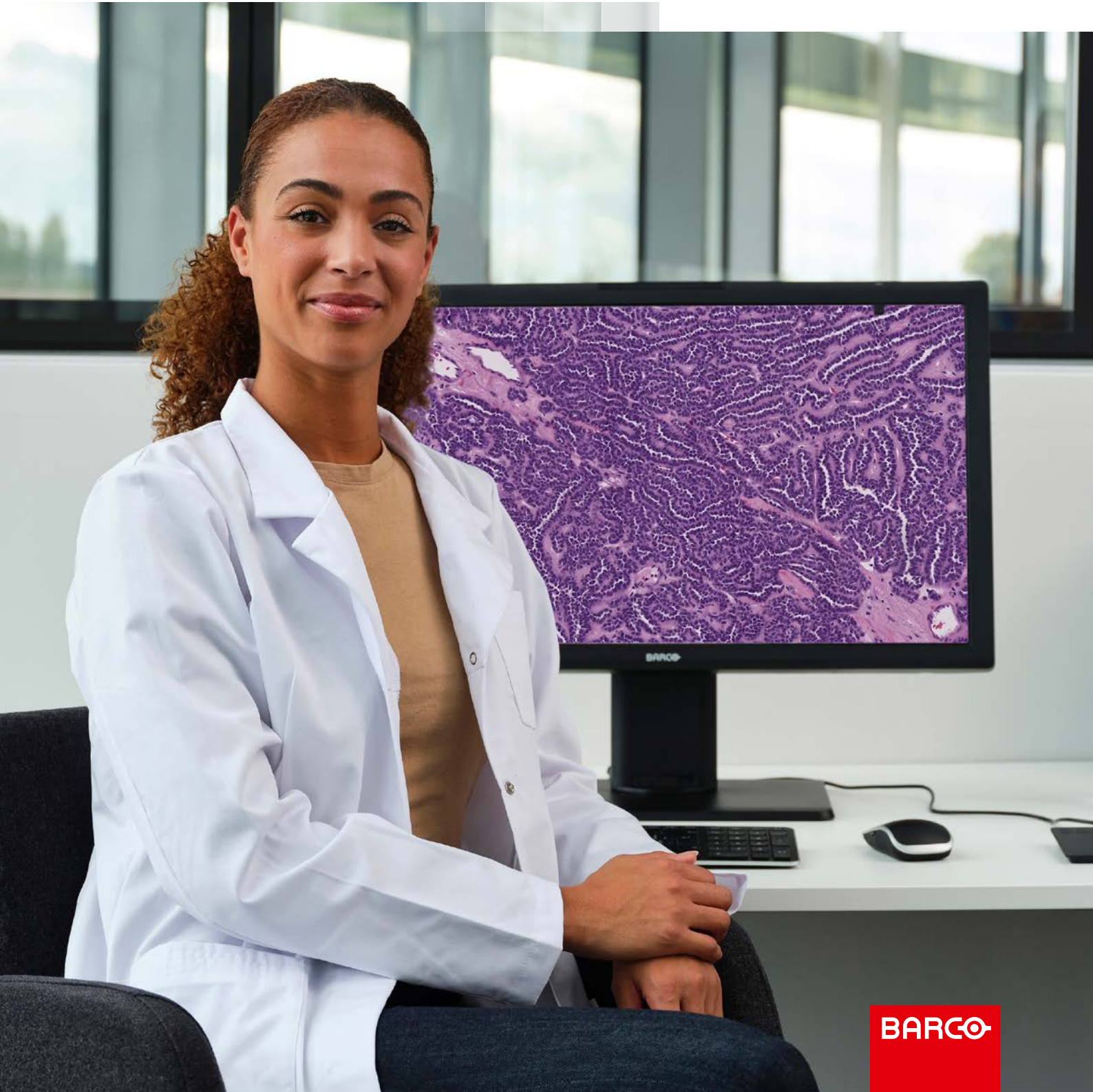



# Ultimate slide to eye confidence

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

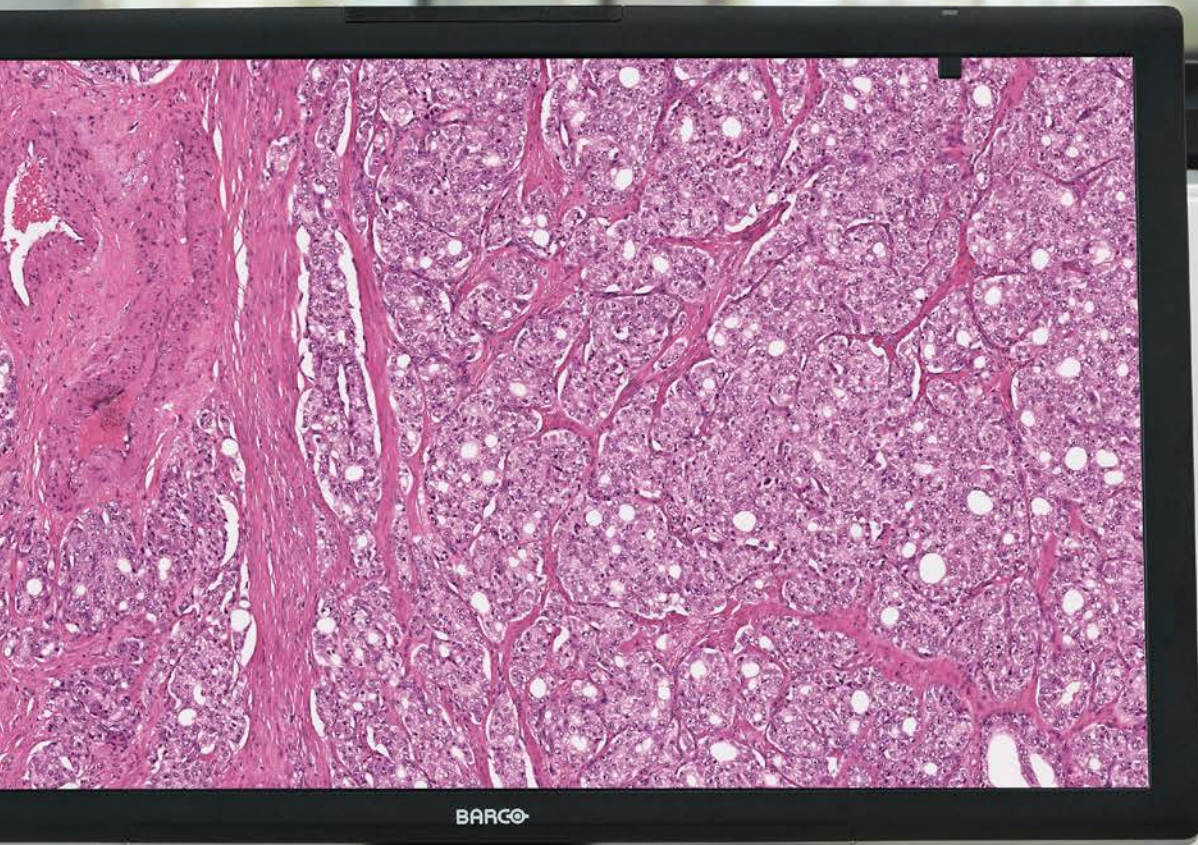




Meet **MDPC-8127, Barco's ultra-high definition medical grade display designed exclusively for digital pathology.** With regulatory clearances for use in digital pathology including primary diagnosis, it's the first display that you can confidently integrate into your digital pathology workflow with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

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.

And last but not least, choosing MDPC-8127 equals choosing responsibly for a long-lasting investment that will do your infrastructure for digital pathology justice.

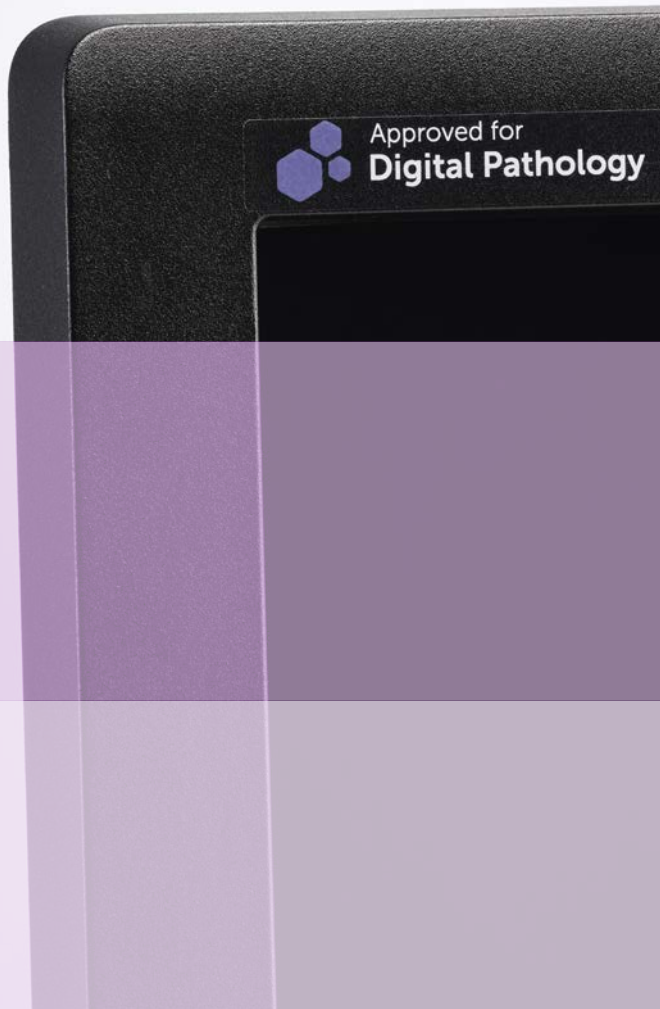


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# Cleared to walk the digital path



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

Barco's MDPC-8127 medical grade display is the first stand-alone 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



# Your slides, visualized as never before

## Accuracy

The 27-inch, 8 megapixel, ultra-high definition display is fully equipped to offer you diagnostic clarity. It has a high pixel density and color per-pixel-uniformity, so slide images are displayed extremely sharp and consistent. This combination of technologies offers you more slide area to work with, at all viewer zoom levels, to help you spot details more easily and aid in timely analysis.

## Efficiency

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

## Confidence

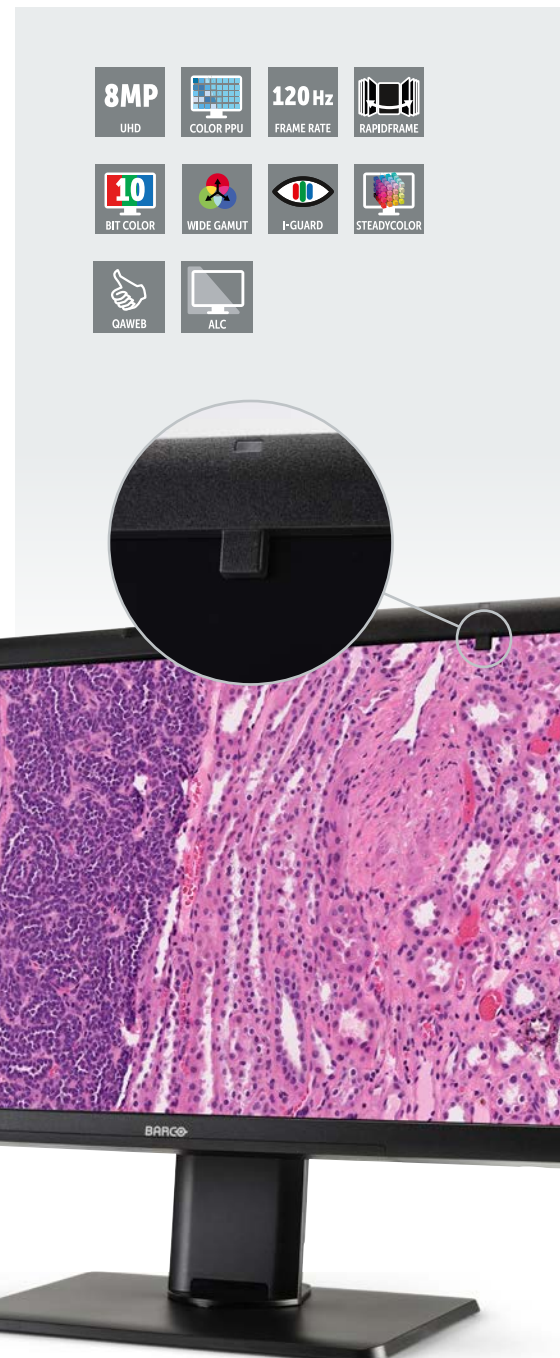
Color spaces form the heart of pathology work. With this display's 132% of sRGB wide gamut coverage tailored for digital pathology images and range of 1.07 billion possible colors, you will enjoy unprecedented visual richness and color confidence in the specimens you view.

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, it provides automated luminance stability and color calibration that corresponds with supporting International Color Consortium (ICC) profiles.

This means color management within your digital pathology viewing software utilizing ICC profiles is automatically supported, and pathology images will look exactly the same across multiple department locations. It also ensures that images are shown consistently across your enterprise and telepathology reading sites.

## Connectivity

QAWeb Enterprise keeps an eye on your display so you don't need to. With automated calibration tests, you can trust your display like no other. In this way, you can be sure that image quality is identical on any MDPC-8127 device, wherever and whenever, which makes it ideal for collaborating with peers and experts at other locations.



# Go for sustainable and future-proof

## Stable quality, from beginning to end

Work with an elegant but robust display that can stand the test of time. Barco's QAWeb Enterprise ensures stable image quality throughout the display's entire lifetime, with automated calibration and quality assurance.

Combine the MDPC-8127 with one of Barco's powerful custom display controllers (MXRT-x700 series boards) customized for optimal medical grade display performance. Apart from clinical workflow enhancement tools, they provide improved image acceleration for fast viewing, panning and zooming of digital slides.

## Dedicated to digital pathology in the long run

Your whole slide imaging scanner, viewing software and storage space are investments you make to last for years, 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?

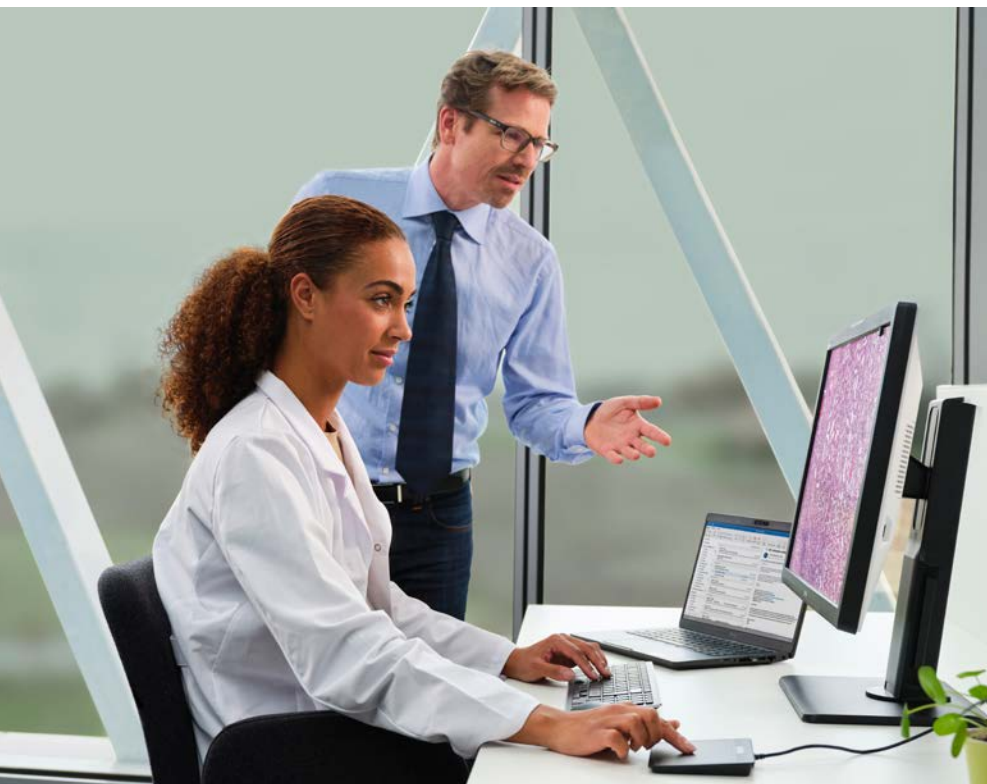
The MDPC-8127 is designed to do your existing digital pathology infrastructure justice. You can avoid unpleasant technical surprises, thanks to an industry leading 5-year warranty with an optional ExtendedCare 2-year extension. An EssentialCare package for maintenance support is available as well, for even more ease of mind. So you're good to go in the long run.



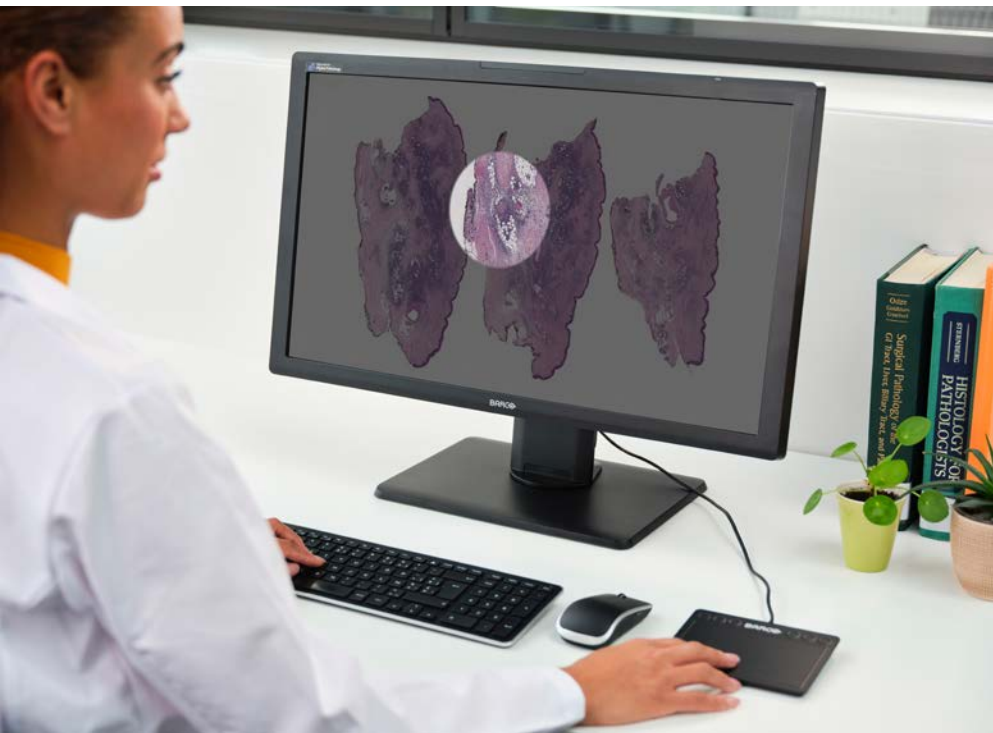
## Ecologically checked

The MDPC-8127 has been subjected to Barco's ecoscoring protocol and has received an A+ rating. This is thanks to:

- Energy efficiency
- Power management functionalities
- Reduced materials in assembly
- Halogen-free and low-weight materials
- Unpainted large plastic parts for optimized recycling



# Enhance your workflow



## Touchpad control



The MDPC-8127 comes standard with a high-precision Barco touchpad for improved slide navigation. Some of its functions are single finger slide manipulation and finger pinching for zoom control, for improved ergonomics and productivity. The touchpad also grants you direct access to Barco's MXRT display controller based Intuitive Workflow Tools, with six programmable buttons.

## One step beyond: Barco's Intuitive Workflow Tools

When combined with one of Barco's advanced MXRT medical display controllers and diagnostic driver, the MDPC-8127 will offer a range of useful tools that support your digital pathology workflow.



**FocalPath** will enable you to dim and mask non-critical areas for improved optical accuracy. The viewing area's size is customizable, to help you focus on critical details.



**Application Manager** allows you to set customized luminance and color profile settings for each application you work with on the display. For example, on this color calibrated digital pathology display you can open a specific application window to present radiology images in DICOM Grayscale, which is exactly how radiologists are seeing the images.



**SpotView™** is a patented technology by Barco that makes it possible for you to move a small, bright circle over a still image. For viewing digital pathology images, this Intuitive Workflow Tool supports you when you want to take a close look at small details, and you don't want to be disturbed by the brightness of the entire display.



With **Conference CloneView™**, you can project an image on one display to another display or projector attached to the same MXRT display controller. Conference CloneView can combine up to three source displays for a cloned image to be scaled and fit to a target display or projector. On the cloned image you can directly pan and zoom for a more interactive and enhanced group meeting experience.



**8MP**  
UHD

8MP, ultra-high definition resolution



Wide color gamut

**5Y**  
WARRANTY

5-year warranty



High-speed pixel refresh for reduced motion blurring



Consistent, perceptually linear color



For improved slide navigation

**120Hz**  
FRAME RATE

Fast frame rate of 120Hz



Integrated front-of-screen sensor



Dim and mask non-critical areas for improved optical accuracy

**10**  
BIT COLOR

10-bit for 1.07 billion possible colors



QA software included



Enhance specific areas you want to take a closer look at



Consistent colors with color per pixel uniformity correction



Ambient Light Compensation



Set customized luminance and color profile settings per application

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

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ENABLING BRIGHT OUTCOMES

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