

Nio Color 3MP LED

High-bright diagnostic display system



BARCO

Visibly yours

Nio

Diagnostic confidence in color

With the Nio Color 3MP LED diagnostic display system, Barco brings dependable diagnostic imaging to its true potential. Presenting a unique combination of performance and dependability, Nio defines today's industry standard for diagnostic imaging. Its proven technology ensures diagnostic confidence in high-bright color for applications such as 3D PACS, 3D echo, ultrasound, CAD, image fusion, and nuclear medicine.



Nio at a glance

- Dependable, proven technology > **Long-term confidence at an exceptional value**
- High-bright LED backlights > **Enhanced clinical performance**
- Front-of-screen sensor > **Continuous diagnostic quality**
- Individual auto-calibration to DICOM > **Worry-free deployment**
- Uniformity correction > **Compliance with regional QA standards**
- High-speed image rendering > **Maximum productivity**
- 5-year warranty > **Worry-free diagnostics for many years**

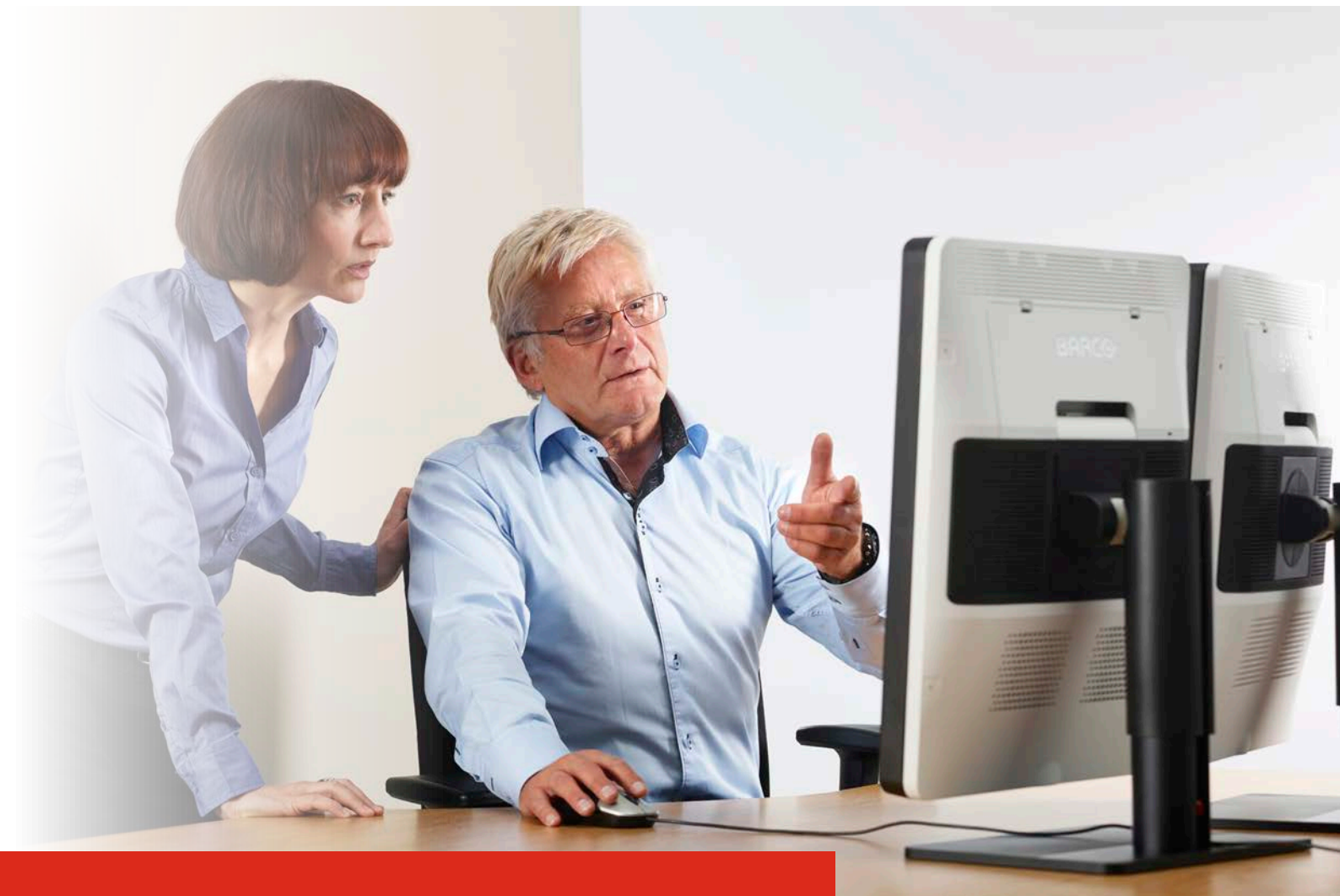
LED for healthcare

See every detail

Barco's Nio Color 3MP LED display system comes with high-bright LED backlights, rendering more JNDs (Just Noticeable Differences) to help you see the smallest details. What's more, ULT-LED ensures uniform brightness across the entire screen surface. Specifically designed for LED backlit diagnostic displays, this technology makes it easier for you to detect the smallest abnormalities in the image.

Accelerate your workflow

Nio has been designed to present precise and consistent images so you can provide better care for your patients. By making subtle details more noticeable more quickly, Nio also reduces windowing and leveling time so you can read more studies each day.



Images you can rely on

Perfect DICOM images

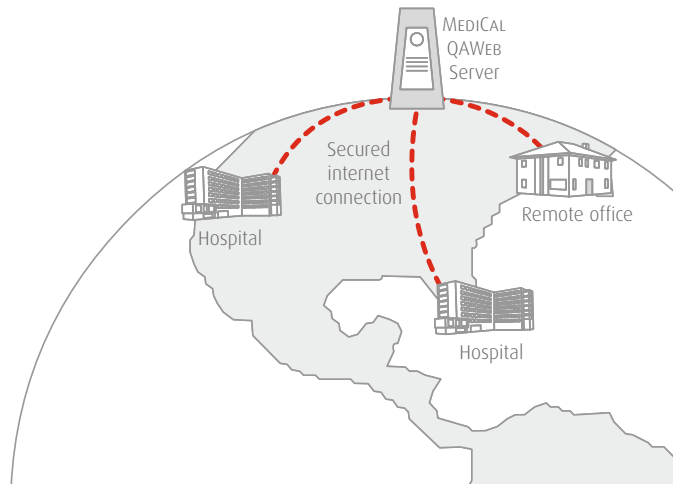


Nio Color 3MP LED features a unique front-of-screen sensor, which works seamlessly with Barco's MediCal QAWeb solution for automated Quality Assurance and on-demand DICOM calibration, ensuring constant diagnostic quality and providing you with the confidence you need to make the right diagnostic decisions.

Automated luminance stability



Backlight Output Stabilization (BLOS) technology guarantees fast power-up and continuously stabilizes the luminance output of the LED backlights. This significantly improves the overall optical efficiency of your Nio display and provides long-term image stability.



Integrated front sensor for front-of-screen luminance and DICOM calibration



BLOS technology for stabilized luminance output

Performance that makes a difference

High-performance 3D support



To support the latest 3D PACS, echo and PET applications, Nio display systems come with Barco's line of high-performance MXRT display controllers. These PCI Express controllers deliver impressive image download speeds and optimized 3D PACS operations through OpenGL and Microsoft DirectX.

Ultra-fast data transfers



Nio Color 3MP LED supports the DisplayPort standard, an ultra-fast digital video interface standard perfectly suited for high-resolution display systems. Thanks to its large bandwidth, DisplayPort guarantees ultra-fast data transfers between your graphics card and your monitor. Moreover, it allows easy 'plug & play' system setup.

Protective front cover



Nio display systems are equipped with a protective front cover, which protects your valuable LCD against damage from intensive use in clinical rooms. The cover can be cleaned easily and safely, and its non-reflective coating optimizes image contrast.



Fast image loading with high-speed MXRT display controllers



Non-reflective protective front cover

An investment that pays off



Green performance



Using power-efficient LED backlights, Nio display systems are as low in power consumption as they are high in brightness. Because they use less power, they also produce less heat and require less cooling, reducing operational and maintenance costs. Moreover, in contrast to lamp-based systems, LEDs contain no mercury, keeping this harmful element out of the environment.

Long lifetime



Barco's LED backlights shine brighter and last longer, providing an even better return on your investment. As they last longer, they don't need to be replaced as often, which also reduces environmental waste.





Low TCO

Nio's unique front-of-screen sensor enables intervention-free DICOM calibration and compliance checks on-demand, ensuring diagnostic quality at all times while minimizing the total cost of ownership.

5-year warranty



Nio display systems come with a 5-year warranty. Supported by a network of highly qualified support personnel at regional service centers on every continent, Barco delivers diagnostic confidence and complete peace of mind.

Supporting healthcare professionals a billion times per year

More than a billion times each year, healthcare professionals rely on Barco to make life-critical decisions. Every day, Barco provides them with unmatched image quality and superior workflow efficiency, so that they can deliver the very best in patient care.

Barco's comprehensive product offering includes leading-edge displays for radiology, mammography, surgery, dentistry, and pathology and modality imaging, along with clinical displays for healthcare specialists, digital OR systems, and solutions for interactive patient care.

Barco's commitment to quality has earned the trust of customers from all over the world, who partner with Barco to meet the most demanding challenges. This partnership approach is also reflected in Barco's worldwide customer service network, ensuring professional support, wherever you are, whenever you need it.

