

Smart visualization for safe interventional procedures

Nexxis for interventional suites





Intuitive and flexible

Nexxis for Interventional Suites has been designed to cover the specific imaging requirements of hybrid operating rooms, interventional X-ray suites and cardiac cath labs. It provides the surgical team with an easy and intuitive user interface to access and control a wide range of medical images and information simultaneously on a large screen with flexible and customizable layouts.

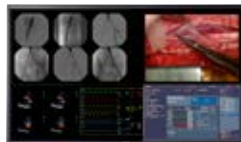
Enjoy the freedom of flexibility



Network compositions

Show the video compositions on any 4K or HD display and on multiple displays simultaneously, even outside the procedure room. This enables efficient collaboration with the whole team, and saves precious time. Record the image compositions for comprehensive documentation.

Reliable images for safe decisions



Medical-grade 58" display

See accurate DICOM-compliant grayscale and color images with ultra-low latency and consistent colors. The failover function allows automatic switchover to backup video signals to ensure reliable, real-time imaging in the interventional suite.

Control room efficiency



Simplify interventional workflow

Nexxis WorkSpot is used inside the control room. This software tool helps you manage up to 6 sources or applications from one integrated display. No need for separate displays or keyboards and mice. The intuitive interface allows you to manage source selection and define preset configurations.

Full control of content



Intuitive touch user interface

Control all systems via a multi-touch user interface. The 12.5" HD touchscreen ensures precise operation of the GUI, even when wearing surgical gloves. The professional optics feature an excellent contrast ratio and a wide viewing angle, making the user interface easy to see and control from any angle.

Faster turnaround times

Reduce setup times by creating user presets to quickly personalize procedure settings to a surgeon's individual requirements. The low equipment footprint (fewer displays, reduced cabling) allows for fast and easy cleaning of the OR.

Maximum OR uptime

Improve OR setup and maintenance times to optimize the use of the OR. Nexxis allows plug and play of devices for fast setups of mobile equipment. It can stream 4K or lower resolution video signals without additional components (e.g. splitters, transmitters, scalers), resulting in fewer points of failure. Remote monitoring of all equipment allows proactive resolution of technical issues.

Patient safety guaranteed

Designed for medical mission-critical applications, Nexxis features medical certifications for all components located inside the OR. It also provides galvanic separation via fiber as well as encrypted video, audio and data (AES 128 bit) for data security.

Flexible and scalable

Build on a future-proof and scalable architecture by using network technology and open standards.

Multiple components, full integration

Nexxis for Interventional Suites consists of a large-screen, surgical display, a network compositor, a touch control panel, and Nexxis WorkSpot.

MDSC-8358 MNA

58" UHD large-screen surgical display

Nexxis WorkSpot

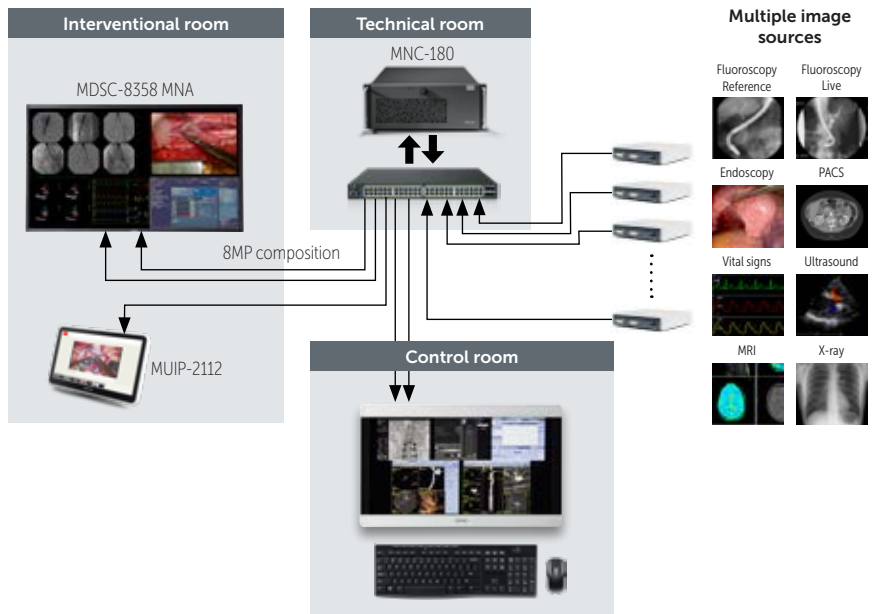
Software for the control room to intuitively manage up to 6 sources on one display for a flexible, clutter-free configuration

MNC-180

Multi-view network compositor creating networked streams in 4K and HD with up to 8 simultaneous video sources in flexible layouts

MUIP-2112

High-quality control panel with PCAP touch technology and Full HD resolution



Why Nexxis?

- World's most advanced surgical imaging solution
- Field-proven robustness and reliability
- Only solution in the market with video compositions as a network service
- Best-in-class HD and 4K image quality (up to uncompressed 4K/60Hz/4:4:4 @ 10-bit)
- Fully integrated, centralized control of all sources for efficient and flexible management of the interventional suite
- Certified for medical mission-critical applications
- Future-proof and scalable architecture by using network technology

About Barco Nexxis

Nexxis stands for video integration done right. Intuitive, safe, and easy to use, it is designed to meet the most urgent needs of the surgical team: precise imagery, efficient workflow, and maximum flexibility in the increasingly complex operating room (OR).

We partner with the world's leading OR integrators to bring the unique benefits of Nexxis to your surgical suite. Because when health outcomes depend on image quality, Nexxis becomes the cornerstone of any integrated, hybrid or interventional operating room.



We share your commitment to building a greener future.

That's why every Nexxis component is designed and manufactured with special attention to the protection of the environment and the sustainable use of natural resources. Barco's Design for the Environment program focuses on reducing the toxicity of our products (RoHS and REACH compliance), enhancing the amount of recyclable parts and making our solutions more energy efficient. The latest Nexxis components are smaller and use 50% less power. And with our regional configuration management system we reduce the waste and transport energy cost by shipping only the right cabling.