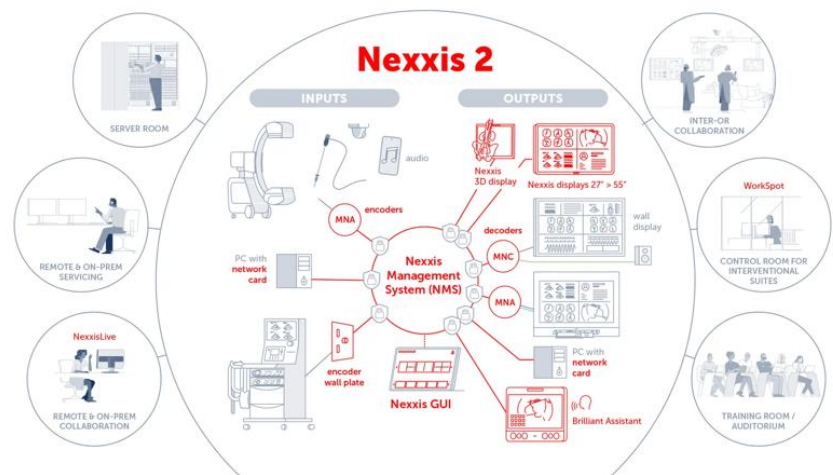


NMS 2

Nexxis 2 Management Suite



The NMS 2 software is the cornerstone of Barco's networked visualization solution for the digital operating, endoscopy and interventional rooms. This management suite sets up, manages and monitors the AV-over-IP streams between the MNA encoders and decoders and facilitates configuration and management. Integrated within the user interface of the operating room integrators, the software allows distribution of high-quality video, audio, keyboard, mouse and touch towards any destination with a single touch on the screen.

Rapid application development

Barco's NMS 2 software offers a user-friendly interface to help operating room integrators build their own application to control and manage displays and sources. All network complexity is hidden for the integrator, which allows for a highly intuitive environment to manage sources and destinations. Dynamic thumbnails, friendly names, overlays, PiP, PaP, QuadView, and display layouts are just a few of the many features that are directly available at the API.

Benefits of the Nexxis 2 solution

- Secure by design
- Medical device compliance
- Uncompromised image quality
- Reliable, future-ready and designed to scale
- Plug-and-play of Nexxis encoders and decoders

- Seamless integration and clean installation to reduce hardware footprint, complexity and maintenance
- Auto-detection and easy identification of sources and destinations
- Easy-to-install application
- Dedicated solutions for specific needs
- Share full quality video and audio between rooms in the hospital
- Ready for AI-assisted workflows
- Intuitive end-user Nexxis UI
- Fully featured API for integration
- Service web interface for device management and diagnostics

Nexxis 2 is not available for distribution in certain markets, including the United States, where FDA 510(k) clearance is pending. Please contact your Barco representative to confirm availability in your region.

Product specifications

NMS 2

General Specifications

Supported devices	MNA-420 MNA-440 (including Nexxis displays) MNA-240 MNA-140 PCIe MNA-180 PCIe
Connectivity	Plug-and-play of supported Nexxis devices Automatic detection of video sinks and sources Automatic detection of audio sinks and sources Automatic detection of Keyboard, mouse and touch (KMT) devices Automatic detection of GPIO devices Automatic detection of RS232 devices
Video routing	Up to uncompressed 4K@60 4:4:4 10bit AES 128 encrypted Automatic or manual color profile selection Sub-frame near-zero latency for critical source when genlocked Any-to-any video routing Thumbnails for easy source identification Friendly names for easy source and display identification Full quality snapshots
3D video routing	Automatic 3D mode selection Side-by-side, line-interleaved, top-and-bottom, dual stream and SDI Level B-DS
Video layouts	Preloaded layouts: full, PIP, PAP, quad, 1+2, 1+3. Easy custom layout creation through API or UI
Mirroring	Mirroring a source horizontally and/or vertically
Zoom & Crop	Automatic black border removal Zoom in on an area of interest
Static video overlays	Overlay text, images, shapes and a timer on top of video content Custom styling and formatting Context parameters introduce dynamic behavior for text overlays
Preset management	Apply layout, routing, static overlay and KMT properties to a display with a single action Easy custom preset definition through API or UI
Composition Streamback (Network composition)	Simultaneous decoding and network composition Display content becomes a new Nexxis source Including thumbnail, friendly name and snapshot functionality
Dynamic video overlays	Video blending (color keying): make a color of a source transparent
Display integration	Nexxis 2D and 3D displays with integrated decoding capabilities Various sizes and panel technologies to accommodate specific needs Seamless integration and clean installation Easy FW update Failover functionality
Audio routing	Uncompressed audio streaming AES 128 encrypted Gain and volume control Any-to-any audio routing Audio mixing of multiple sources
Data routing	AES 128 encrypted KMT support KMT Splitting: configure K, M and T streams separately RS232 serial control GPIO triggers Events management
WorkSpot	Manage multiple applications with a single K&M on a single display On-screen UI for easy source, layout and preset selection Typically used in interventional control rooms
Inter-OR sharing	Share uncompressed audio and video between rooms Choose downscaled or full resolution Fine-grained bandwidth control tools
Management	NMS 2 software for Windows & Linux Fully featured API for integration Nexxis UI: Intuitive end-user GUI with basic functionality "Demonstrator" web interface to try out Nexxis capabilities Service "Troubleshooter" web interface for device management, diagnostics and licensing Persistent logging

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