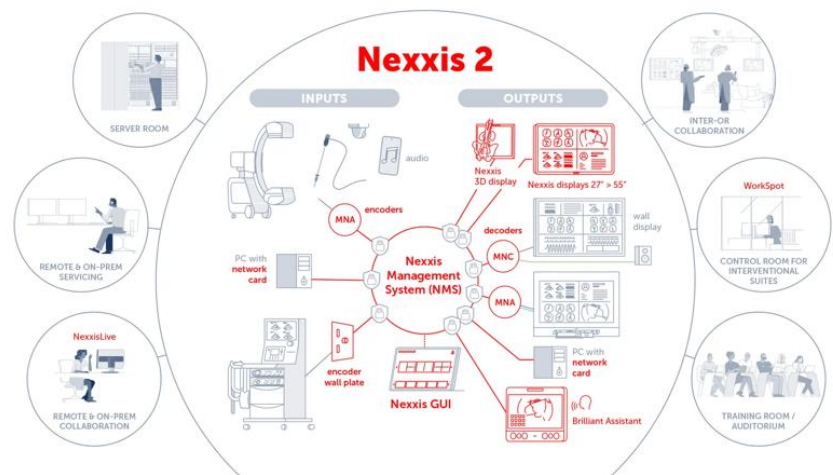


# NMS 2

## 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.

## Especificações técnicas

## NMS 2

### Especificações gerais

|                                              |                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supported devices                            | MNA-420<br>MNA-440 (including Nexxis displays)<br>MNA-240<br>MNA-140 PCIe<br>MNA-180 PCIe                                                                                                                                                                                                                                                  |
| Connectivity                                 | Plug-and-play of supported Nexxis devices<br>Automatic detection of video sinks and sources<br>Automatic detection of audio sinks and sources<br>Automatic detection of Keyboard, mouse and touch (KMT) devices<br>Automatic detection of GPIO devices<br>Automatic detection of RS232 devices                                             |
| Video routing                                | Up to uncompressed 4K@60 4:4:4 10bit<br>AES 128 encrypted<br>Automatic or manual color profile selection<br>Sub-frame near-zero latency for critical source when genlocked<br>Any-to-any video routing<br>Thumbnails for easy source identification<br>Friendly names for easy source and display identification<br>Full quality snapshots |
| 3D video routing                             | Automatic 3D mode selection<br>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, 2x4, 2x3, 1+4, 3+2 and 4+2<br>Easy custom layout creation through API or UI                                                                                                                                                                                                             |
| Mirroring                                    | Mirroring a source horizontally and/or vertically                                                                                                                                                                                                                                                                                          |
| Zoom & Crop                                  | Automatic black border removal<br>Zoom in on an area of interest                                                                                                                                                                                                                                                                           |
| Static video overlays                        | Overlay text, images, shapes and a timer on top of video content<br>Custom styling and formatting<br>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<br>Easy custom preset definition through API or UI                                                                                                                                                                                              |
| Composition Streamback (Network composition) | Simultaneous decoding and network composition<br>Display content becomes a new Nexxis source<br>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<br>Various sizes and panel technologies to accommodate specific needs<br>Seamless integration and clean installation<br>Easy FW update<br>Failover functionality                                                                                                           |
| Audio routing                                | Uncompressed audio streaming<br>AES 128 encrypted<br>Gain and volume control<br>Any-to-any audio routing<br>Audio mixing of multiple sources                                                                                                                                                                                               |
| Data routing                                 | AES 128 encrypted<br>KMT support<br>KMT Splitting: configure K, M and T streams separately<br>RS232 serial control<br>GPIO triggers<br>Events management                                                                                                                                                                                   |
| WorkSpot                                     | Manage multiple applications with a single K&M on a single display<br>On-screen UI for easy source, layout and preset selection<br>Typically used in interventional control rooms                                                                                                                                                          |
| Inter-OR sharing                             | Share uncompressed audio and video between rooms<br>Choose downscaled or full resolution<br>Fine-grained bandwidth control tools                                                                                                                                                                                                           |
| Management                                   | NMS 2 software for Windows & Linux<br>Fully featured API for integration<br>Nexxis UI: Intuitive end-user GUI with basic functionality<br>"Demonstrator" web interface to try out Nexxis capabilities<br>Service "Troubleshooter" web interface for device management, diagnostics and licensing<br>Persistent logging                     |

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