

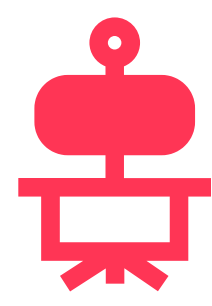







mSCart

mSurgery All-in-One System

Mobile Solution for **Immersive Surgery**
Transmission and **Recording**



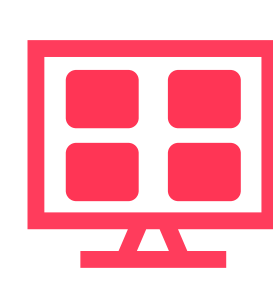
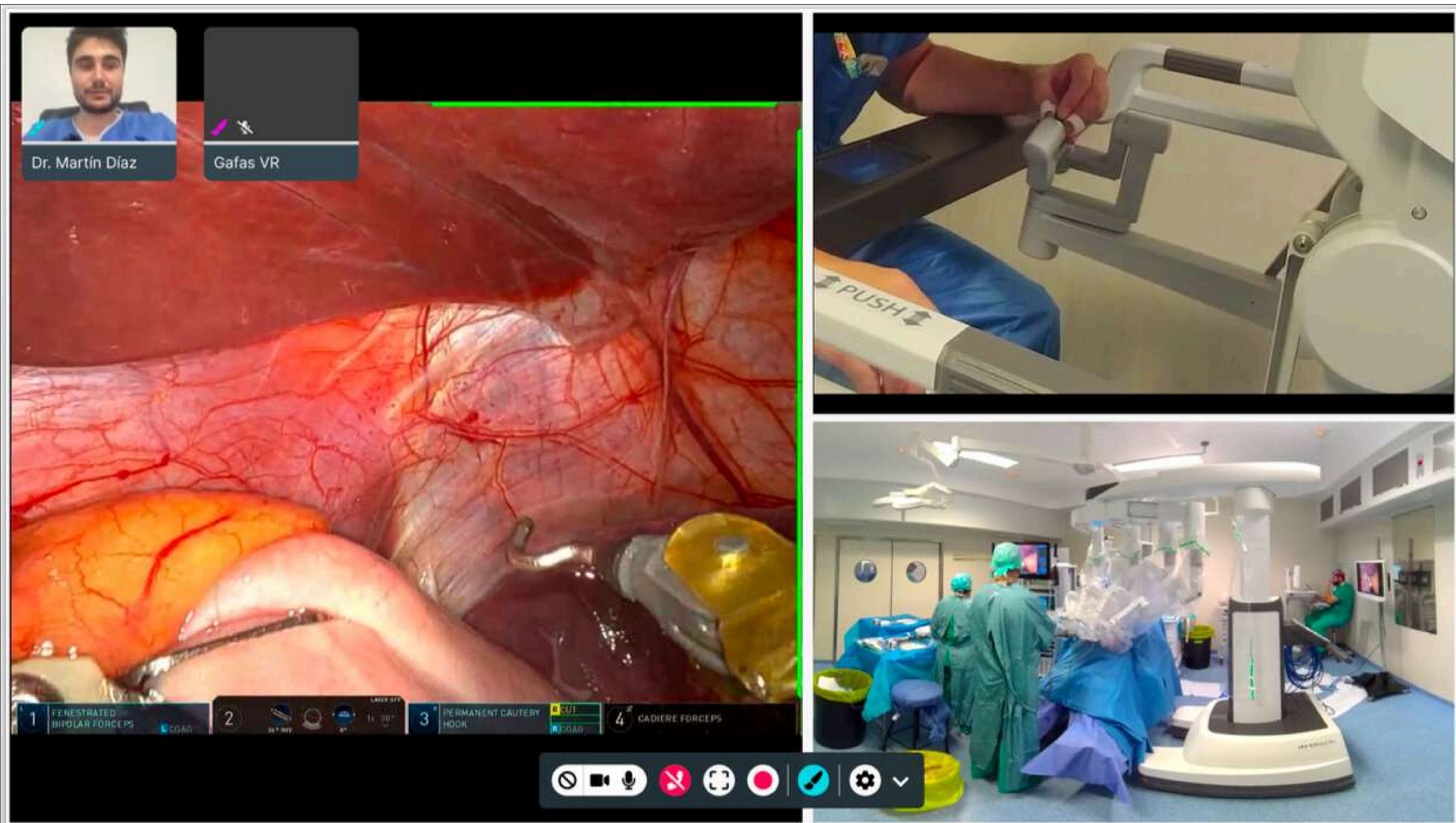
-  Medical Cart
-  360° Camera
-  FHD camera
-  mSEngine
-  Touchscreen monitor
-  5G connection

Real-Time Holistic Streaming



Comprehensive Recording

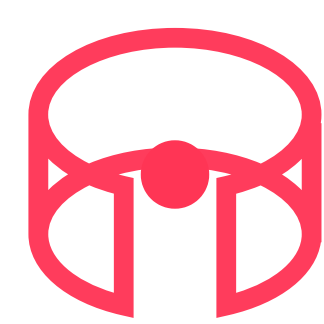
Our system **captures all images, videos, and audios from surgical procedures**. This multi-operational system is designed to **adapt seamlessly to any operating room** and integrate with all existing technologies. Whether you're using **traditional** surgical tools or the **latest** robotic equipment, our system ensures that **every detail is recorded accurately**.



Innovative Multi-Screen Display

Experience surgical procedures like never before with our innovative multi-screen display. The procedures are visualized in a **cutting-edge multi-screen format** with **videos** that are **fully synchronized**, providing a **comprehensive view of the operation**.





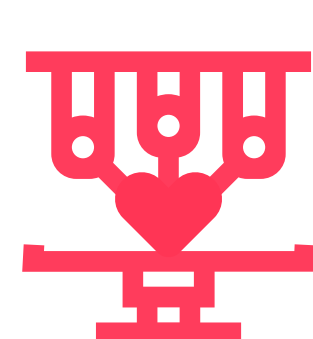
360° View Camera

Our **360° view camera** captures **every detail in a single file**, enabling **immersive access through real-time mixed reality**. This allows for a **complete overview of the surgical environment**, making it easier to review and analyze.



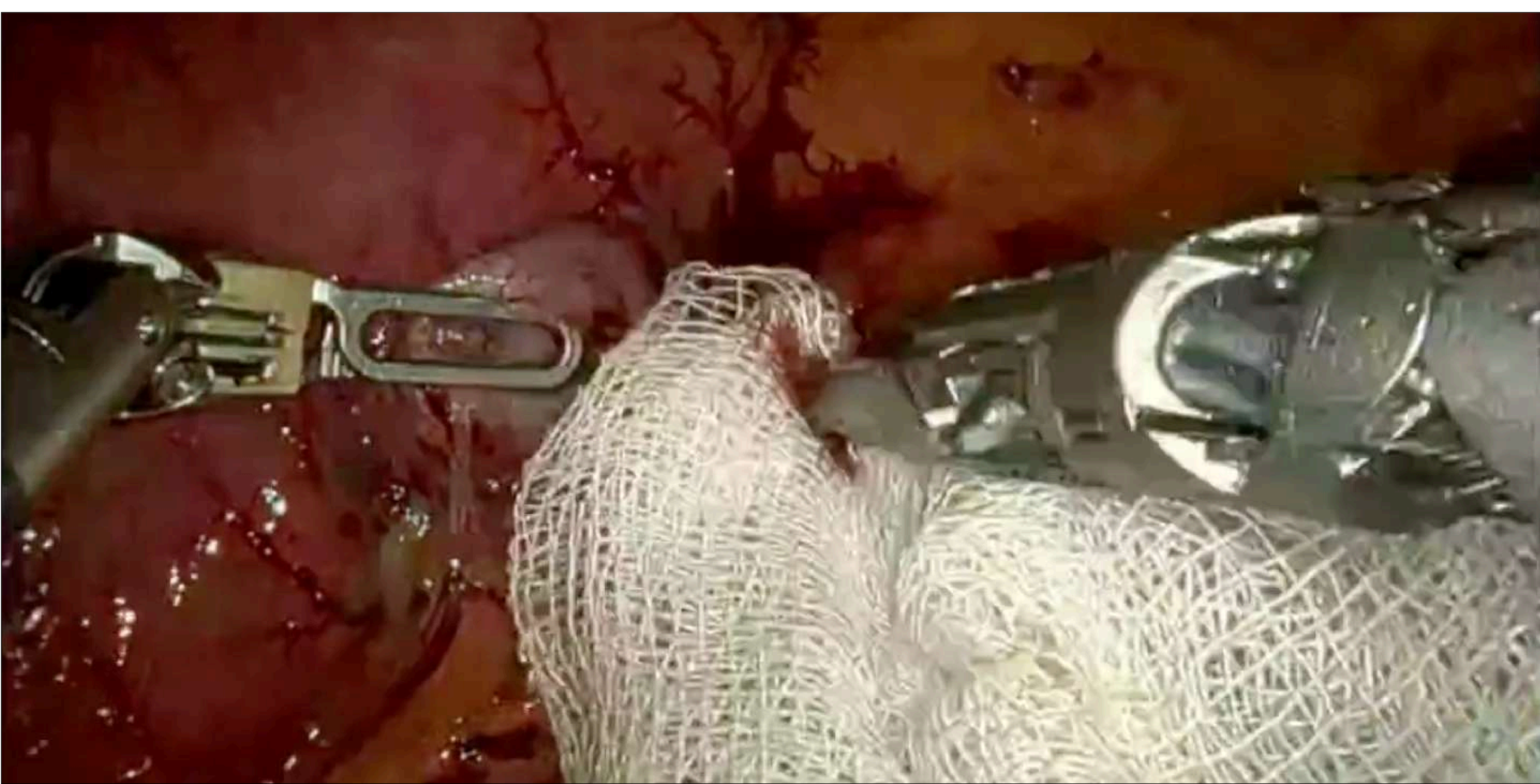
Wireless FHD Camera

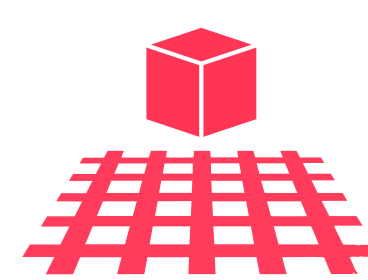
This camera focuses on the **intricate details of the procedure with high-definition clarity**, ensuring that even the **smallest details are visible**. It offers the flexibility of a **wireless setup**, reducing clutter and improving maneuverability in the operating room.



Versatile Connectivity

Our system connects to the **video signals of any surgical equipment**, including 2D and 3D endoscopes, laparoscopes, arthroscopes, X-ray machines, microscopes, and more. This versatility ensures that **you can integrate the system with all your existing tools**, providing a comprehensive solution **for any surgical procedure**.





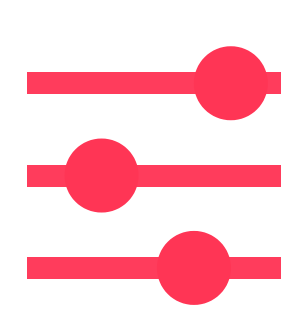
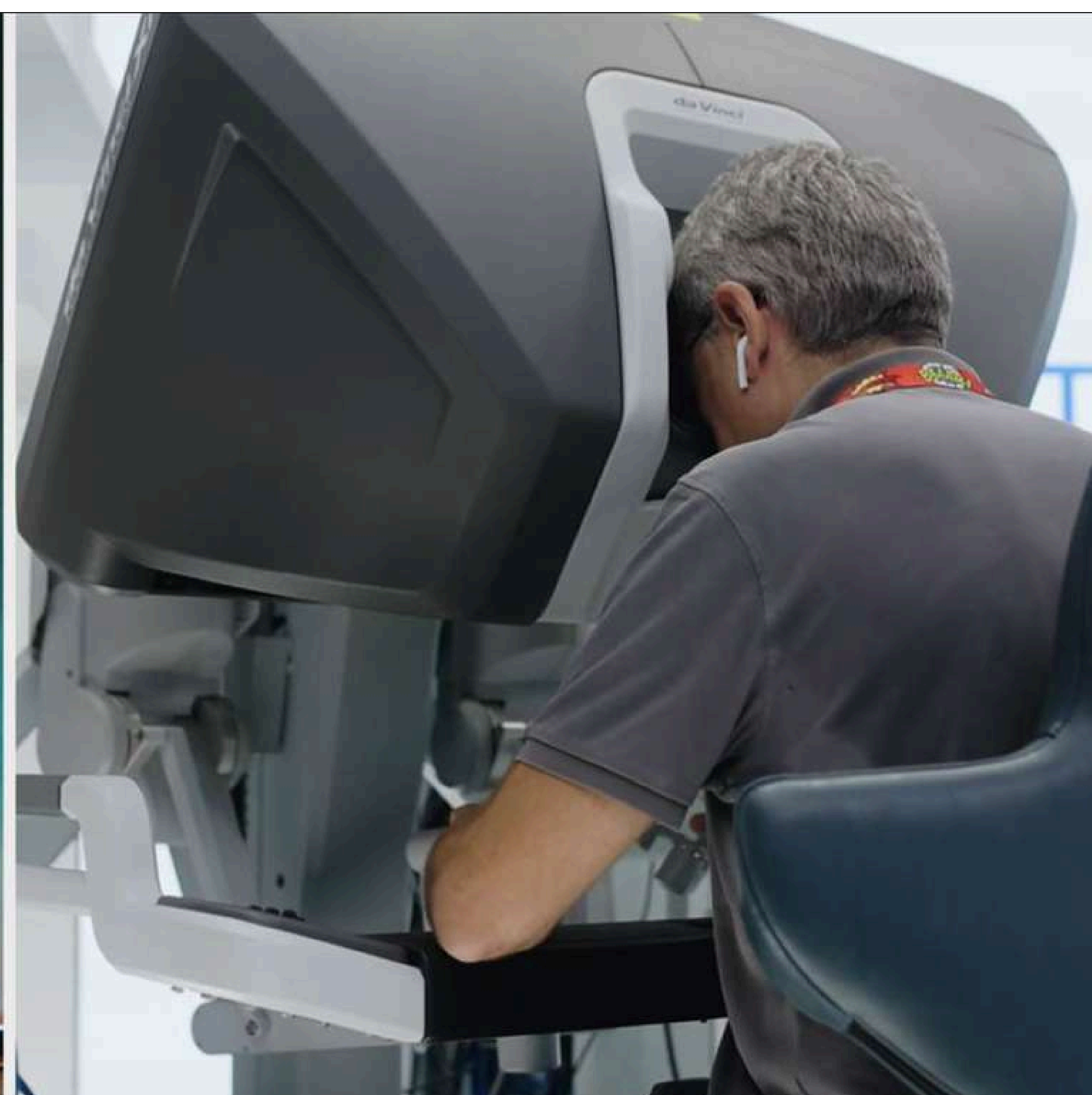
3D Visualization

Share and **visualize stereoscopic video transmissions** from Da Vinci surgical robots in 3D and others. This feature **enhances the depth perception** and spatial orientation of the surgical field, providing a **more immersive and accurate view**.



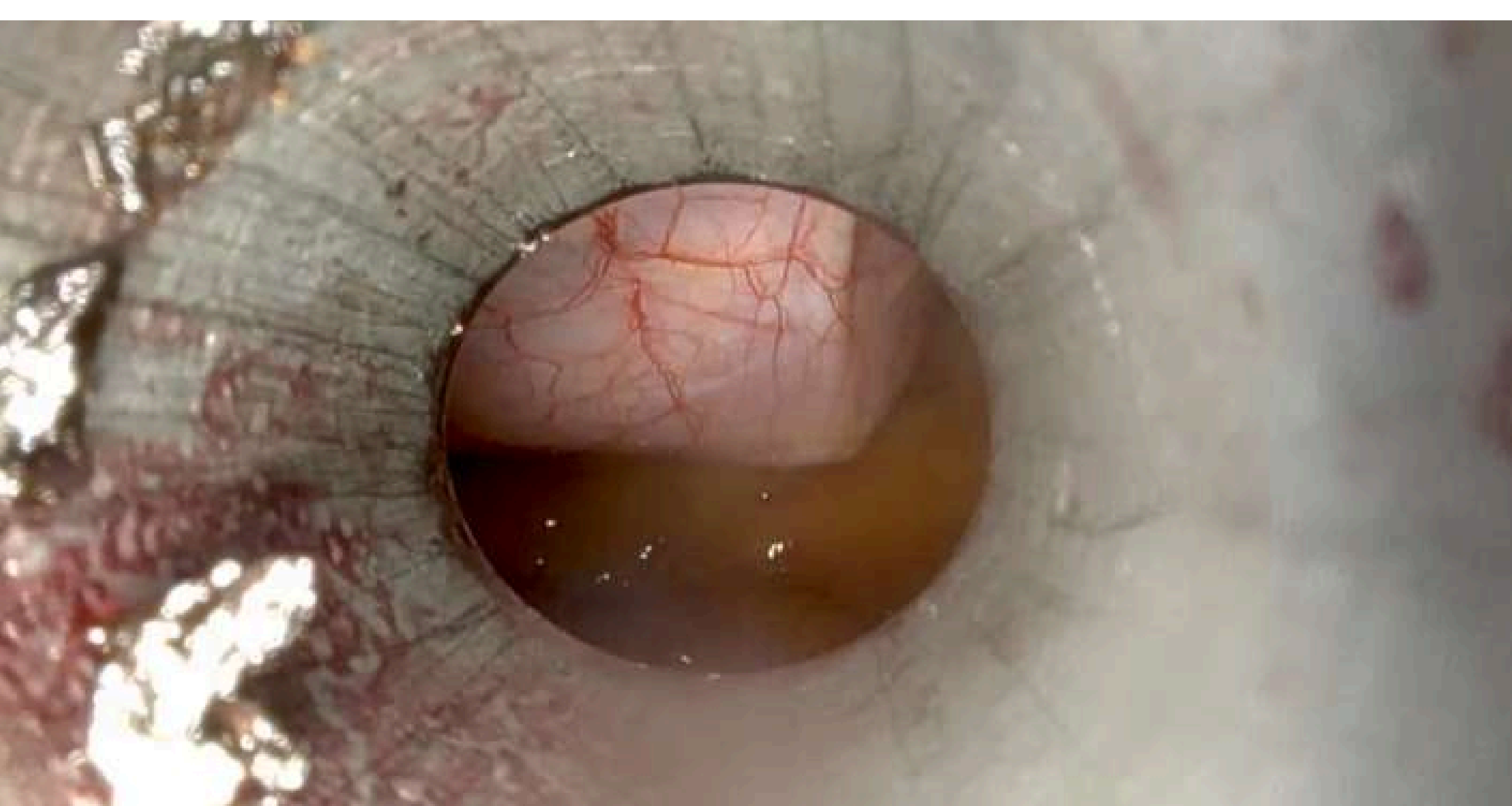
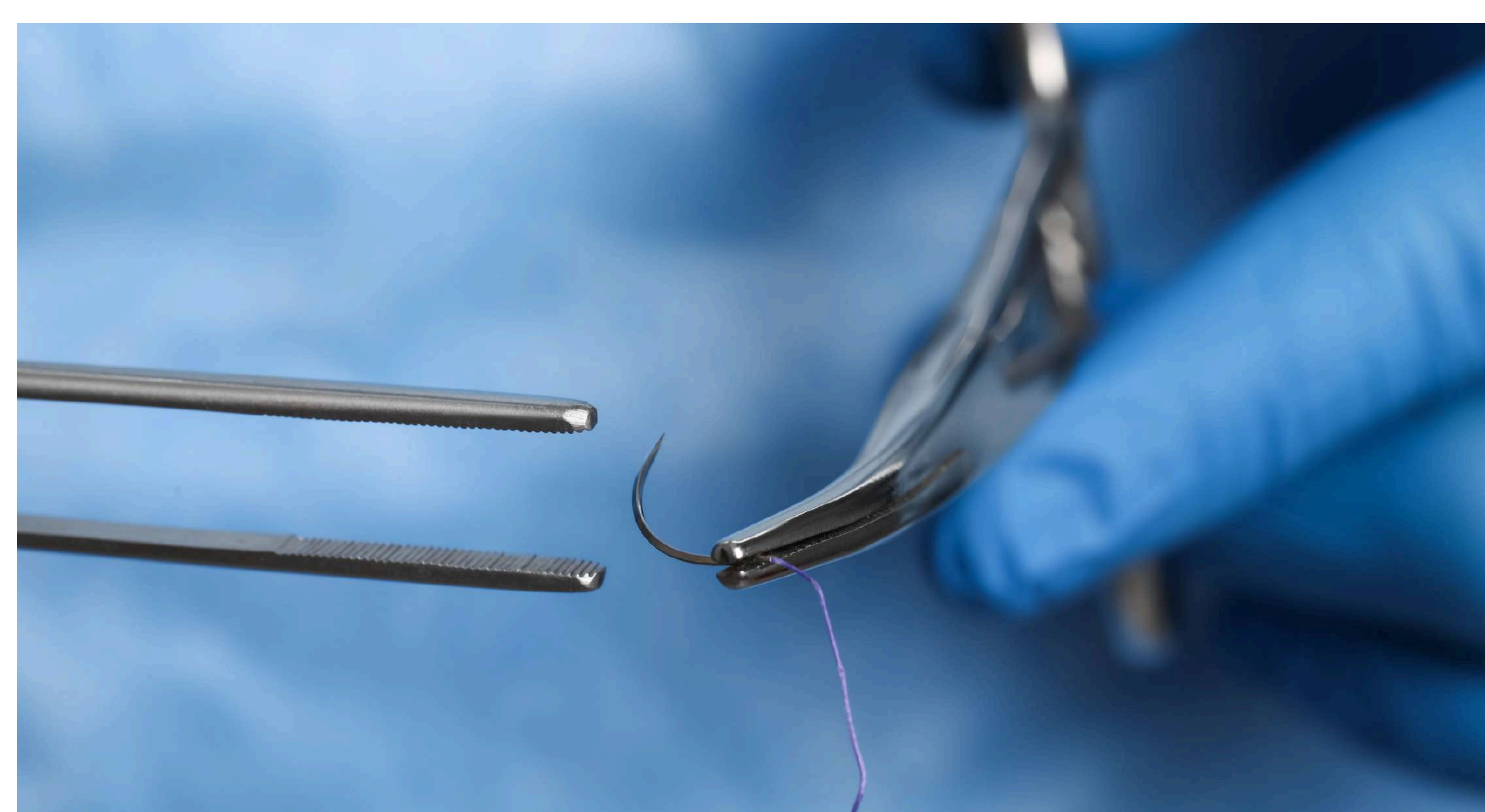
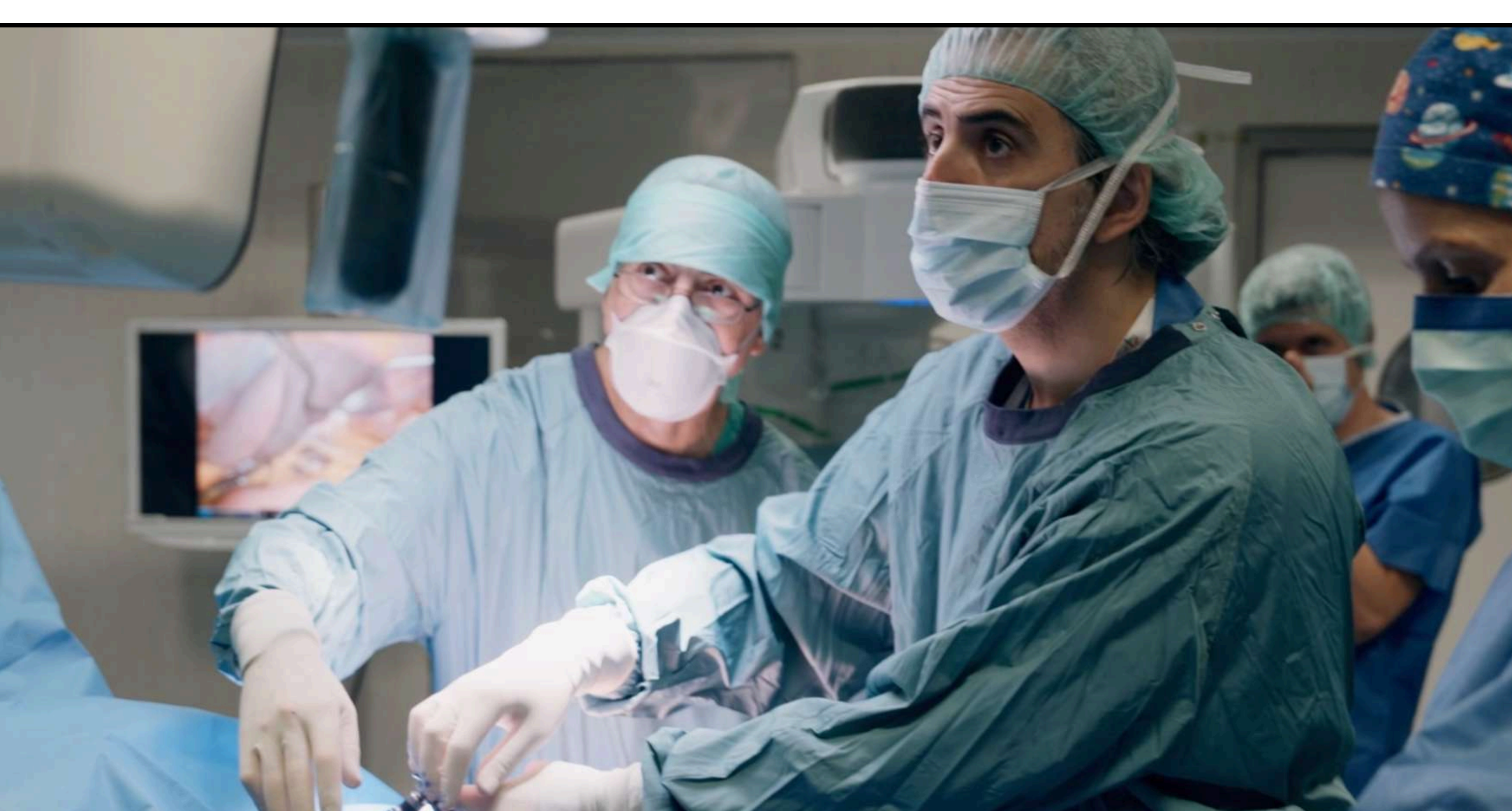
Ultra-Low Latency

Our system ensures ultra-low latency with **signal transmission times of less than 400 ms**. This minimal delay is crucial for **real-time applications**, ensuring that the live stream is as close to real-time as possible, which is **vital for precise and timely interventions**.



Multi-Source Streaming

Transmit **up to four synchronized video sources in parallel** for comprehensive monitoring and recording of surgical procedures. This feature provides **multiple perspectives**, ensuring thorough documentation. Enhance your surgical procedures with the mSurgery All-in-One System's state-of-the-art technology.



Bidirectional Communication



Professional Audio System

Our system features a professional-grade audio setup for **clear communication between surgical team members and external consultants.**



Medical-Grade Touch Monitor

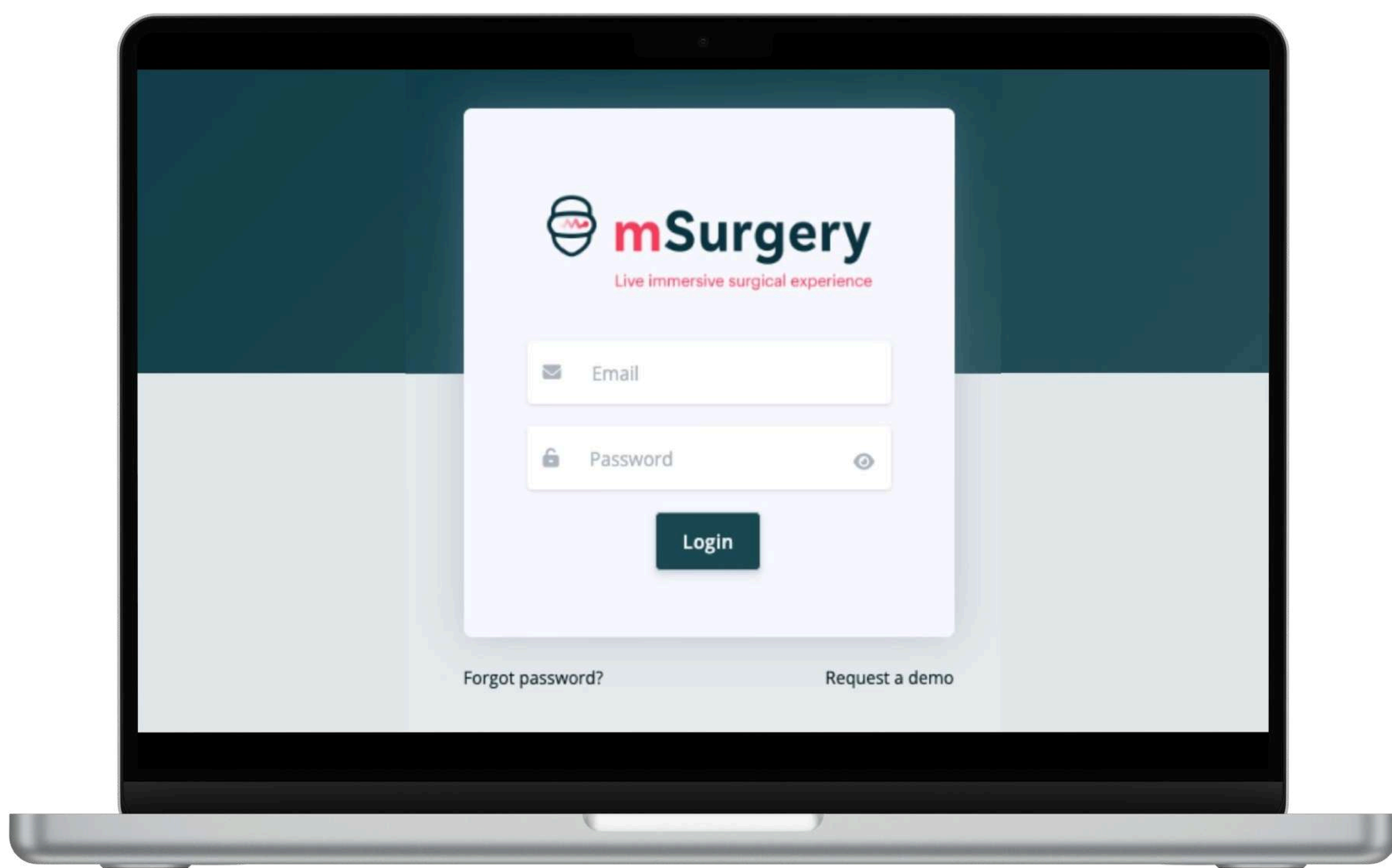
The system includes a medical-grade touch monitor with an **intuitive and interactive interface, allowing easy control and manipulation of displayed data.**

Cloud Computing System



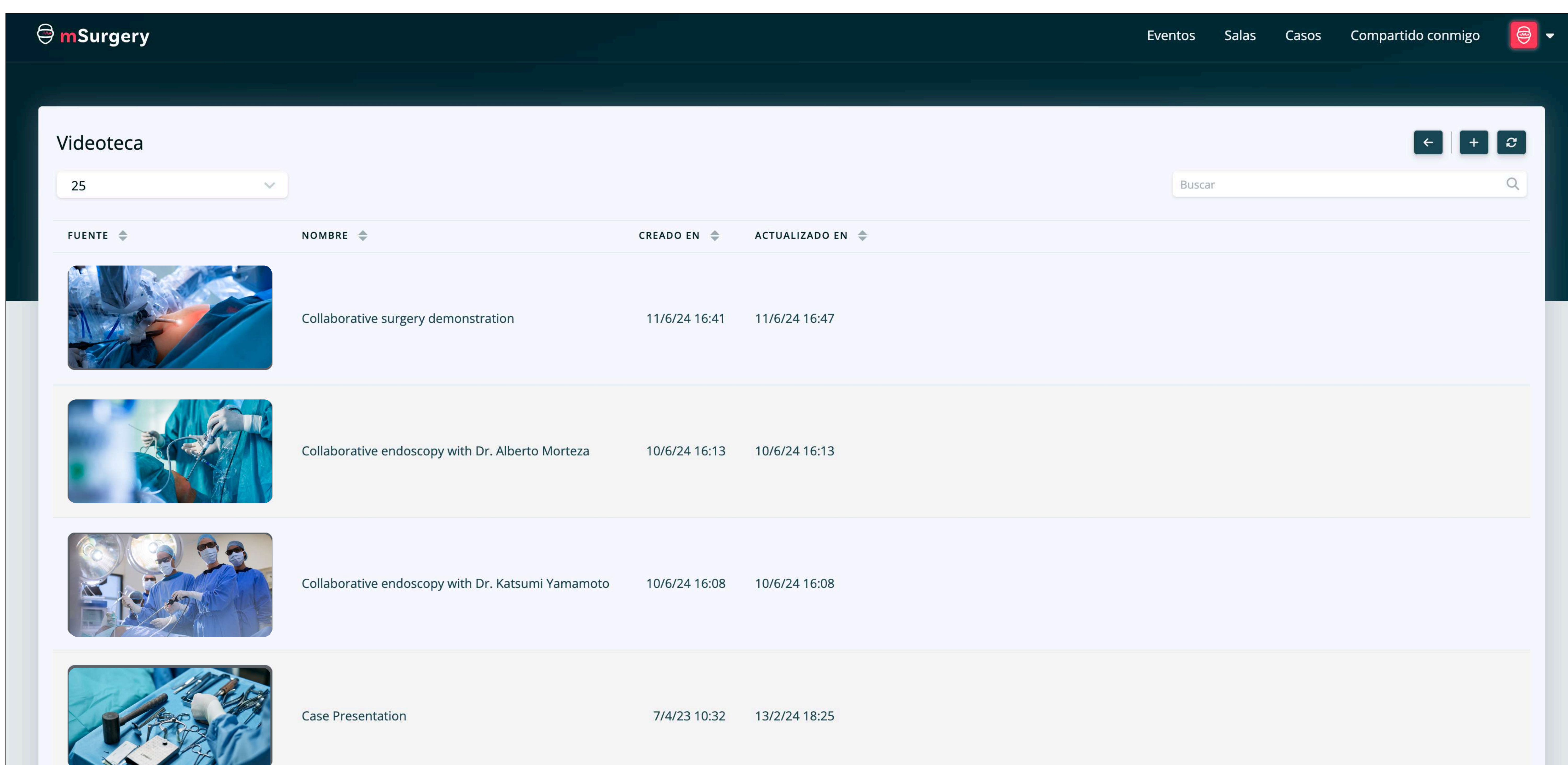
No Specific Software Required

Our system doesn't require any specific software installation. Users can **easily connect through simple URL links, making the system highly accessible and user-friendly.**



Unlimited Storage Capacity

The cloud system offers unlimited storage capacity, **all recorded data**, including images, videos, and audios, are **securely stored and easily accessible for future reference.**





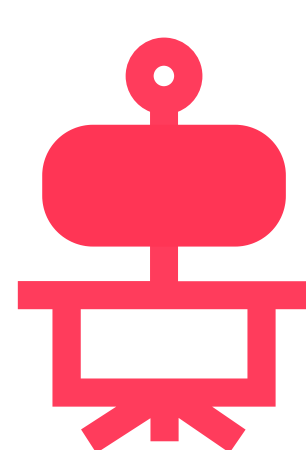
Massive Broadcast and Connectivity



The system supports **up to 250 concurrent users**, allowing for widespread dissemination of the surgical procedure. Users can **connect from any electronic device**, facilitating remote **consultations, training**, and real-time **collaboration**.

mSurgery Integrated into a Medical Cart

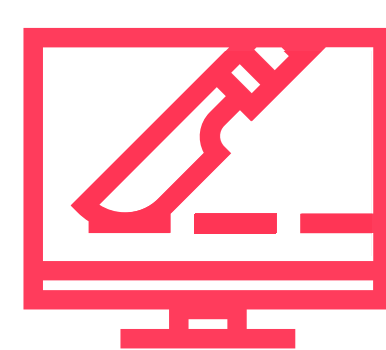
Designed for **easy mobility between operating rooms**, our mSurgery system is incorporated into a robust and versatile medical-grade cart. This all-in-one solution is fully **flexible, adaptable**, and **expandable**, ensuring seamless integration into **any medical environment**.



Medical Cart Features

- **Durable and Robust Structure:** Made from high-quality materials that withstand rigorous use in medical environments.
- **High-Mobility Wheels:** Equipped with swivel casters for smooth and easy movement across various areas of the healthcare facility.
- **Secure Drawers and Compartments:** Multiple secure drawers and compartments, often lockable, to keep supplies organized and safe.
- **Customizable Accessories:** Includes optional accessories like computer mounts, sliding trays, hooks, and adjustable shelves to meet diverse medical needs.
- **Integrated Power Options:** Comes with built-in power sources for electronic devices and medical equipment.





mSEngine

The mSEngine is a **medical-grade computer system** equipped with capture and graphics cards that **enable the capture and transmission of images and audio from the operating room to the cloud system.**

It supports up to 8 wired connections and numerous wireless sources, ensuring **robust and reliable data transmission.**



Integrated Cameras

Wireless 2D Camera:

Ideal for capturing **specific details** and providing **additional angles** during surgeries.



360° 4K HD Camera:

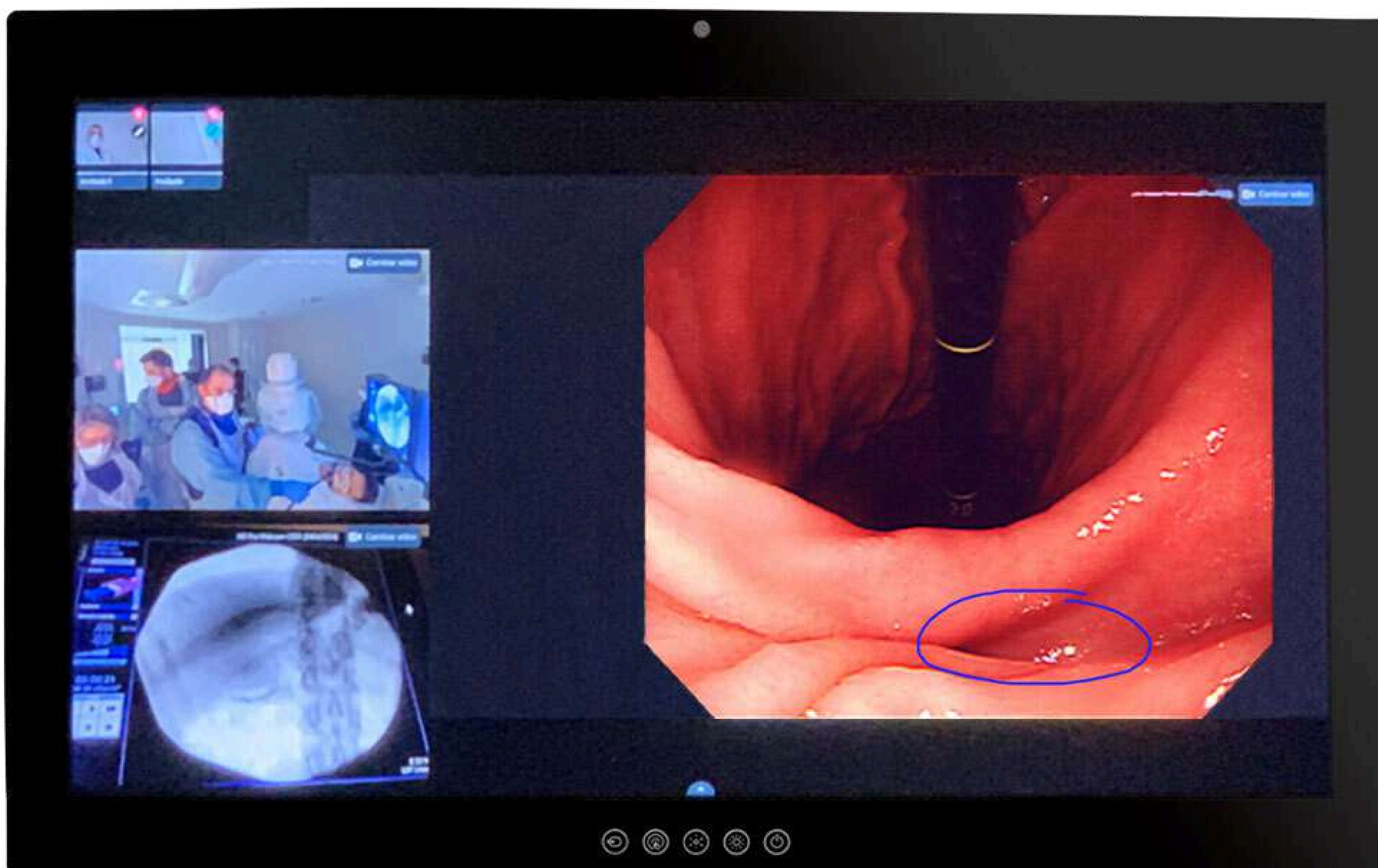
Part of the system, offering **comprehensive coverage** and high-resolution imaging.



24" High-Definition Medical Touch Monitor

This monitor provides **clear and detailed visualization** of captured images and videos, enhancing the **precision and effectiveness of surgical procedures.**

With the mSurgery All-in-One System, you can **enhance your surgical procedures** with state-of-the-art technology, **ensuring better outcomes** and improved efficiency.



Optional: Augmented Reality Glasses for mSurgery



As an **optional enhancement to the mSurgery All-in-One System**, augmented reality (AR) glasses can be acquired. These AR glasses offer **multiple additional functionalities** that **improve the experience and efficiency in the operating room**.

Support in the Operating Room

The AR glasses **provide valuable support to surgeons and their assistants** by allowing them to **view crucial information from other medical devices directly on the lenses**. This eliminates the need to shift their gaze or move to view other screens, **optimizing concentration and efficiency** during surgical procedures.

Enhanced Vision Sharing

The AR glasses facilitate enhanced vision sharing outside the operating room. **The direct view from the surgeon becomes an invaluable informational supplement for other team members or external consultants**. This real-time sharing capability offers a clear and detailed perspective of the surgeon's field of view, **enriched with augmented reality data**.

Augmented Reality Projections

The lenses of the AR glasses can **project essential surgical planning information**, such as **3D models of organs, anatomical diagrams**, and other **critical data**. This not only aids in better understanding and precision during operations but also **improves communication and coordination with other professionals**, enabling more effective collaboration.

