mSurgery

Live immersive surgical experience

mSKit

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

Introducing the mSkit, a portable hardware system designed **for temporary installations**. Unlike the permanent mScart mSurgery All-in-One System, the mSkit is **housed in a briefcase**, offering **mobility and flexibility** for high-quality surgical transmission and **recording anywhere**.

Medical Kit | **360º Camera** | **FHD camera** | **mSEngine** | **Touchscreen monitor** | **5G & Starlink 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, providing a comprehensive solution for any surgical setting.

Versatile Connectivity

The mSkit system connects to **video signals from various 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

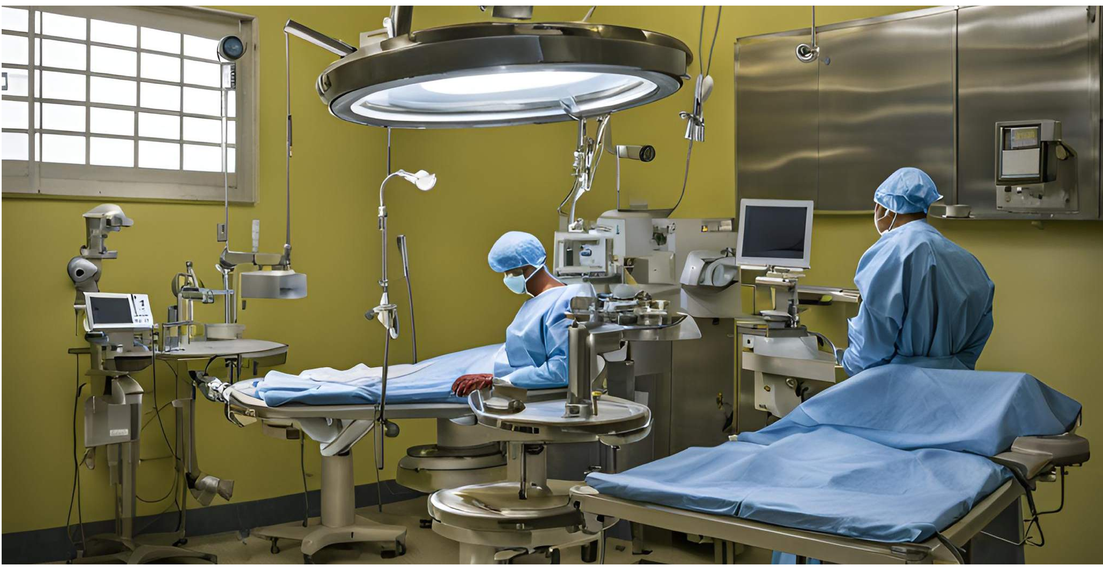
Share and **visualize stereoscopic video transmissions** from Da Vinci surgical robots in 3D and others. This feature **enhances the depth perception** and spatial orientation of the surgical field, providing a **more immersive and accurate view**.

Innovative Multi-Screen Display

Experience surgical procedures like never before with our innovative display. The **procedures are visualized on a 15” high-definition monitor**, offering **clear and detailed visualization** while maintaining the **portability** of the system.

360º View Camera (Optional)

Our **360º 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

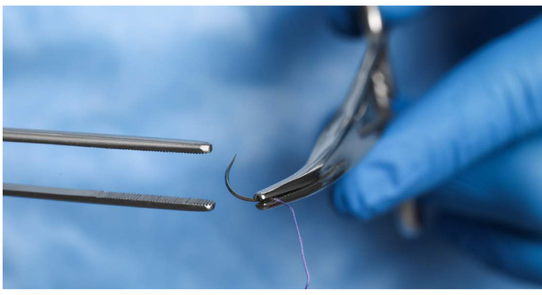
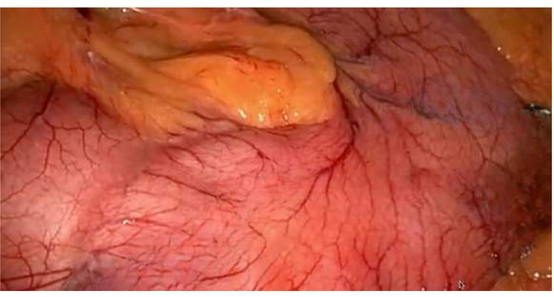
This camera focuses on the **intricate details of the procedure with high-definition clarity**, ensuring that even the **smallest details are visible**. It offers the flexibility of a **wireless setup**, reducing clutter and improving maneuverability in the operating room.

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

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

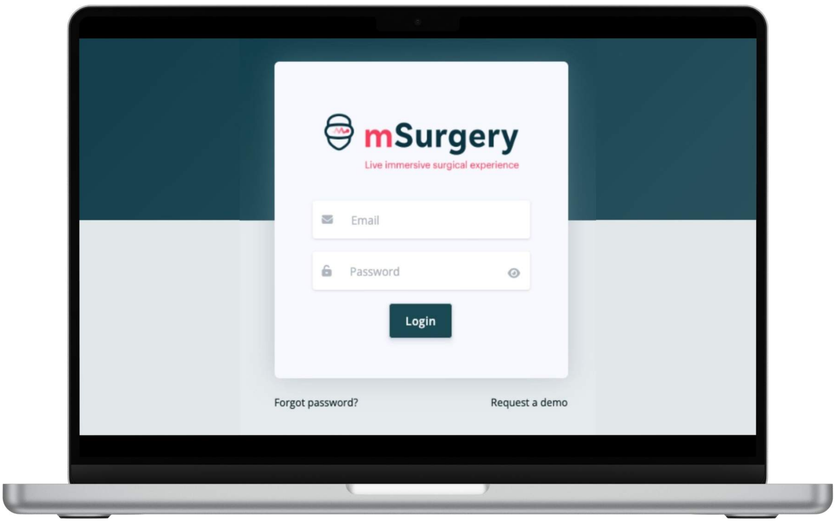
Medical-Grade Touch Monitor

The system features a **15” medical-grade touch monitor** with an **intuitive interface** for easy data control, **enhancing user experience and workflow efficiency.**

Cloud Computing System

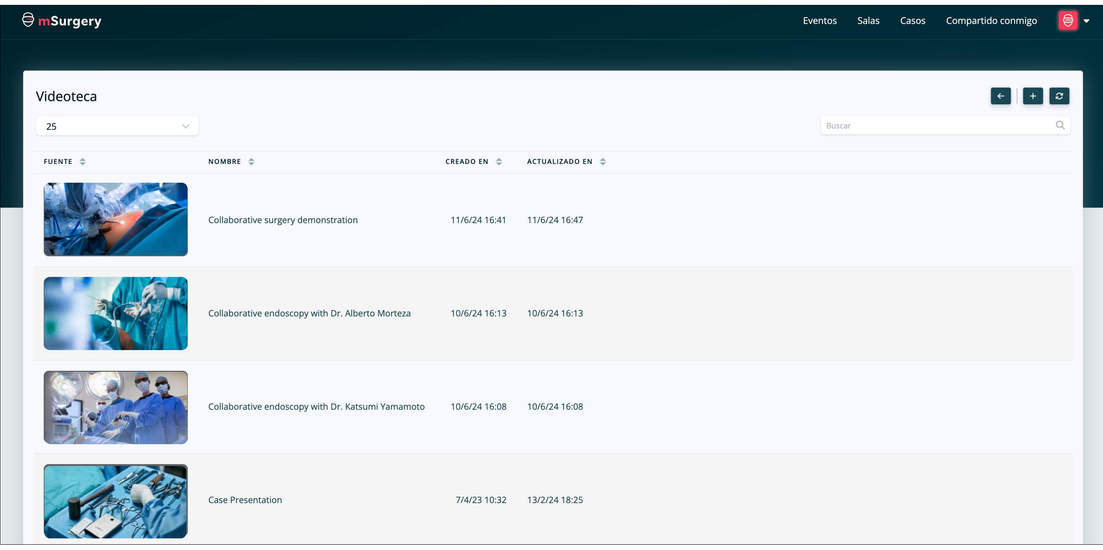
No Specific Software Required

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**.

Portable and Transportable Design

Designed for easy transport, the mSkit system is **housed within a robust and versatile briefcase**. This all-in-one solution is fully **flexible**, **adaptable**, and **expandable**, ensuring seamless integration into **any medical environment**.

mSkit Features

- **Durable and Robust Briefcase:** Made from high-quality materials that **withstand rigorous use in medical environments.**
- **High-Mobility Design:** Equipped with a **compact and portable design, allowing for easy transportation across various locations.**
- **Secure Storage Compartments:** Multiple secure compartments 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

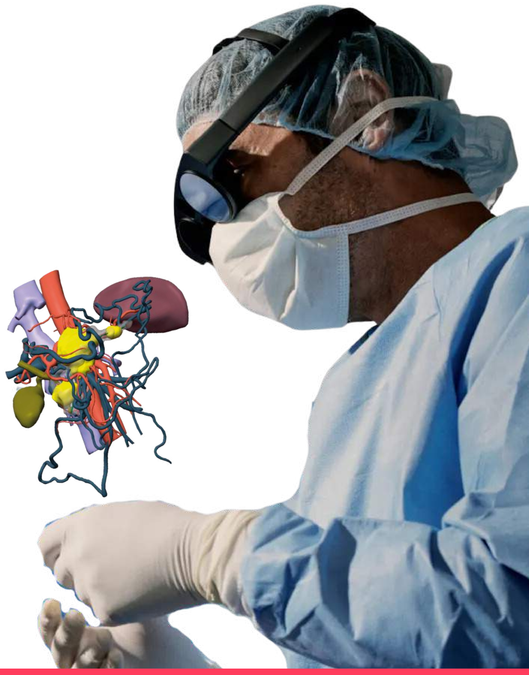
The mSEngine is a **medical-grade computer system** equipped with capture and graphics cards that **enable the capture and transmission of images and audio from the operating room** to the cloud system. It supports up to 8 wired connections and numerous wireless sources, ensuring **robust and reliable data transmission**.

Connectivity Module

The mSkit comes prepared with a **module for wired network and/or 5G connectivity**, ensuring reliable and **high-speed data transmission**. For users requiring satellite connectivity, such as Starlink, an additional component is available.

Optional: Augmented Reality Glasses for mSurgery

As an optional enhancement, **AR glasses can be acquired with the mSkit**. These glasses offer valuable support by **displaying crucial information from other medical devices directly on the lenses, eliminating the need to shift focus**. They also **facilitate enhanced vision sharing**, providing an **invaluable informational supplement** for **team** members or **external** consultants. The glasses can **project** essential surgical planning information, such as **3D models of organs and anatomical diagrams**, improving understanding and precision during operations.



With the mSkit, you can **enhance your surgical procedures** with state-of-the-art technology, ensuring **better outcomes and improved efficiency**, all within a portable and transportable system.