



Innovative Hip Surgery System Redefines Surgical Success

Background

A customer in America has implemented a pioneering surgical solution specifically designed for analyzing the motion of the hip joint and planning surgeries to correct cam lesions, a common issue that impedes normal femur rotation. This advanced system streams high-definition video from surgical instruments directly to displays, ensuring that surgeons have an accurate and detailed view of the surgical area. By eliminating latency and maintaining lossless image quality, the technology enhances visualization during critical procedures, facilitating better decision-making.

Bridging Functionality with Mobility and Flexibility

The touch monitor's mobility is a standout feature. Surgeons can easily position it next to the patient, enabling smooth interaction with the display. This flexibility fosters collaboration among the surgical team and streamlines workflows, ultimately enhancing efficiency in the operating room. Overall, this comprehensive solution transforms traditional surgical practices by creating a more integrated and responsive environment, leading to improved patient outcomes and more effective treatment of hip joint issues.



System



In contrast to traditional displays that often require multiple heavy cables for power, video, and data transmission, the PAX-1 display utilizes a customized design that operates through a single lightweight 4.5M USB-C cable. This single-cable design simplifies setup and reduces clutter in the surgical environment, allowing for smoother workflows. By integrating power, video, and touch panel controls into one cable, it enhances convenience for medical staff during procedures. Additionally, the PAX-1 display performs optimally in bright surgical lighting conditions, ensuring clear visibility at all times. With high luminance and advanced imaging capabilities, it provides surgeons with accurate visual feedback necessary for precise interventions. These innovations collectively create a more efficient and user-friendly experience in the operating room, ultimately leading to improved surgical outcomes and better patient care.

Key Features

- Easily reposition the touch monitor next to the patient for improved collaboration.
- A single lightweight USB-C cable reduces clutter and simplifies installation.
- High-definition video provides clear images for accurate decision-making.
- Real-time video transmission eliminates delays during surgeries.
- Designed for high luminance, ensuring visibility in surgical environments.
- Simplified cable management allows staff to focus on patient care.