

# CASE STUDY

## QuadVideo:

### HALO's Innovative Operating Room Streaming and Recording System



Transparency Through Technology



#### Introduction:

QuadVideo HALO has revolutionized the standard of care in surgery rooms with its innovative video recording solution HALO. Under the leadership of CEO Bryan Becker, QuadVideo HALO is at the forefront of patient advocacy and safety with its mission to capture indisputable records of surgery.

#### Background:

Quad HALO Video was founded in 2019 and provides software development and system integration to the healthcare industry. Their innovative HALO system has changed surgical recording technology from an inflexible, manual process to one that is completely automated from recording to post-processing.

#### HALO System Overview

The HALO system is designed to capture comprehensive records of surgical procedures by combining video footage, audio recording, and radiology images. It features:

- **Simultaneous Recording:** Multiple views are recorded simultaneously and consolidated into a single six-segment display.
- **Advanced Camera Technology:** Four (4) procedure cameras and one (1) overview 4MP Pan/Tilt/Zoom Dahua Network Camera (52C432GBNR) are used to capture video records.
- **Procedure Room Tablet Operation:** Camera views and recording are easily controlled, eliminating manual adjustments.
- **Display Options:** A ceiling plenum storage unit and an articulating ceiling arm enables optimal display positioning.



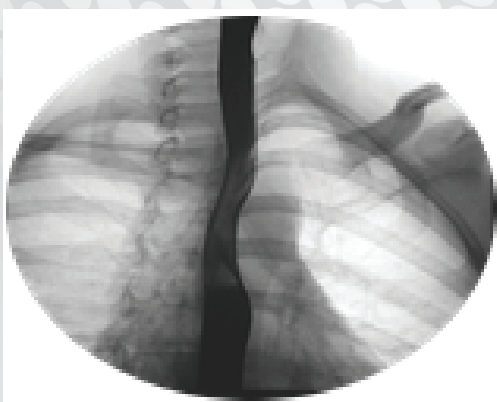
**Post-Procedure Administration:** The HALO system includes a Post Procedure Administrator app which allows for efficient video management and integration with hospital storage facilities.

**Future Developments:** NextGen 3.0 developments include facial recognition capabilities, patient monitoring metrics, and body temperature capture.

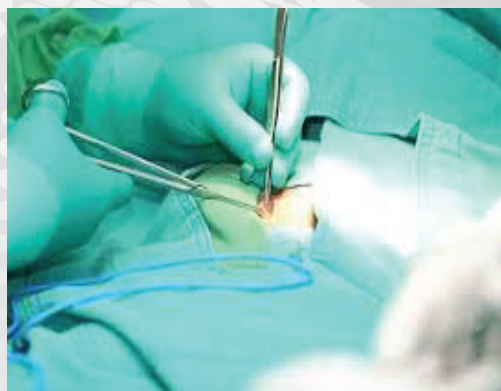
**Impact and Value:** The HALO system has established patient trust and sustained operating room excellence through:

- **Real-World Feedback and Training:** Facilitates team reviews and performance improvement.

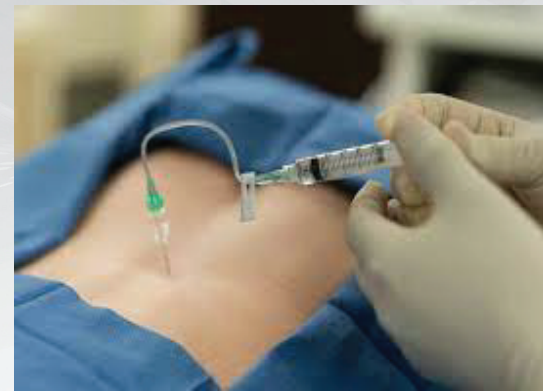
Fluoroscope Image



Procedure View-1



Procedure View-2



Procedure View-3



Procedure View-4



Room View

- **Effective Risk Management:** Provides evidence-based collaboration for legal defense and insurance claims.
- **Referral Marketing:** Drives growth through results-based marketing to medical, legal, insurance, and government networks.

**Technology Achievements:** HALO's technology is characterized by seamless high-definition video capture, real-time integration of radiology images, and compliance with HIPAA data privacy standards.

**Partnership with Dahua:** Dahua Technology has been integral to HALO's success, providing reliable cameras with extensive command sets, clear images, and excellent sales and technical support.

**Sales and Market Expansion:** HALO is sold through in-house sales and independent representation, fitting well within the medical device market segment. The system attracts interest from various sectors, such as personal injury law firms and teaching hospitals.

**Conclusion:** QuadVideo HALO's HALO system has set a new benchmark for surgery room video recording solutions, ensuring patient safety and enhancing the quality of surgical care. The company's continuous innovation and commitment to excellence have made them a leader in the healthcare technology sector.