



GUIDE Revolutionize Simulation-Based Training with AI-Driven Insights

Simulation centers strive to provide opportunities for individuals to acquire the necessary knowledge, skills, behaviors, and values they will need in real-world clinical scenarios. They allow surgeons and teams to practice situational awareness, decision making, communication and teamwork, and leadership skills, while adhering to hospital protocols and best practices. The SIM Black Box™ Platform helps simulation centers improve competency by providing:



Real-time, high-definition audiovisual review for unobstructed observation of team performance in safely and effectively managing patient care.



A centralized video library containing all recorded simulation activities.



Data-driven performance optimization insights to enhance simulation scenarios for real-world applications.



Customizable annotation tools to systematically analyze video footage based on KPIs and non-technical skills such as situation awareness and teamwork.



Auditing tools to ensure compliance with hospital protocols and best practices.

SIMBLACK BOX™

Improving Surgical Competency

The SIM Black Box delivers unprecedented visibility into surgeon and team performance by capturing audiovisual and environmental data during simulations. It is an all-in-one platform that supports feedback on strengths and weaknesses, and self-reflection, which are essential for improving non-technical skills that impact surgical outcomes.

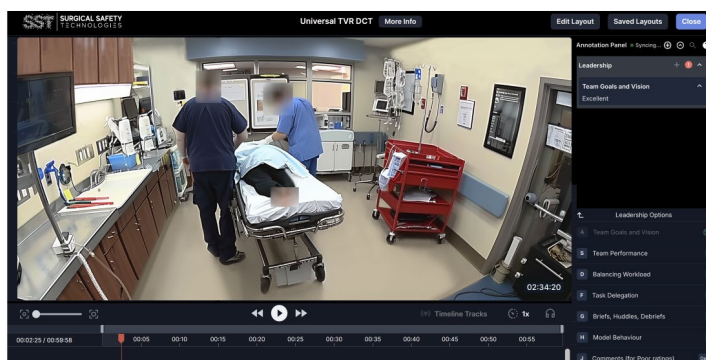
The software is applicable to every surgical specialty and includes cutting-edge sensors that are integrated in real-time to enhance decision-making in both clinical and operational workflows. This means the team at your simulation center can do what it does best – empower healthcare providers to communicate at the highest level in the real clinical environment.





Enable Simulation Video Review

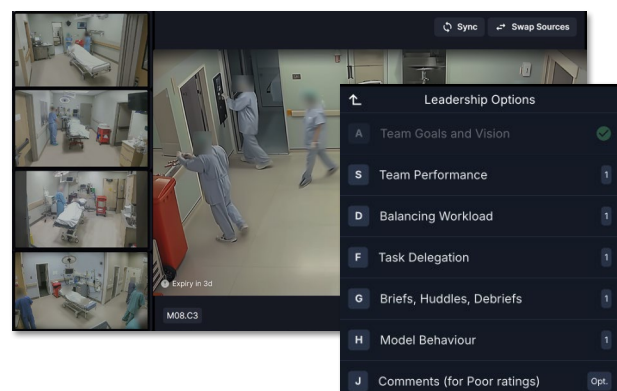
Access a single video repository of all scenarios performed within a simulation center. The Platform enables complete integration to tools and devices within the simulation room, allowing trainers and facilitators to view all sources of data in a completely synchronized fashion. Videos are automatically and comprehensively indexed for searchability, with zero user intervention.



Accelerate Clinical Training and Research

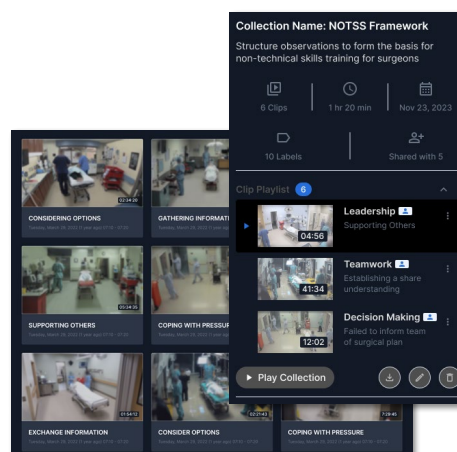
Facilitate events essential to continued professional development, including ongoing training, staff coaching, in the moment feedback, and scenario review. Improve outcomes and reduce complications through simulation scenarios to result in fewer errors in real-world scenarios.

Leverage customizable annotation tools to facilitate adherence to protocols, team communication and debriefing, quality improvement interventions, and research use cases.



Improve Patient Safety and Quality

Leverage the SIM Black Box to train healthcare providers on important quality and patient safety initiatives within your department or broader institution. Reinforce high-reliability principles, including speaking up for safety, communicating clearly, and paying attention to detail throughout all simulation scenarios captured by the SIM Black Box. These initiatives support achieving zero preventable harm to patients, family members, and staff in real-world scenarios.





Elevate Your Simulation Centers

Harness the SIM Black Box's comprehensive platform to refine non-technical cognitive and interpersonal skills, foster positive team collaboration, and facilitate continuous improvement, resulting in improved patient safety and quality. This pioneering solution empowers healthcare providers to systematically analyze and refine every aspect of their performance – transforming care delivery through self-reflection and continuous, data-driven optimization.

Surgical Safety Technologies Inc. (SST) is a mission-driven organization that is transforming care in high-acuity environments through intelligent software solutions. Our comprehensive platform leverages advanced data analytics, audiovisual capabilities, AI, and machine learning to elevate patient safety, optimize operations, and facilitate continuous improvement across the simulation, perioperative, and trauma recovery environments. Cutting-edge technologies enable autonomous risk detection, real-time operational analytics, predictive insights, and protocol auditing to empower clinicians with the intelligence to achieve superior outcomes. Built on research excellence through partnerships with leading hospitals, our innovative approach integrates with existing systems while future-proofing organizations through an open platform for emerging innovations. Delivering proven value with over 80 peer-reviewed publications, SST drives the future of intelligent surgical care globally

Visit our website to learn more at:
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