

FEATURES:

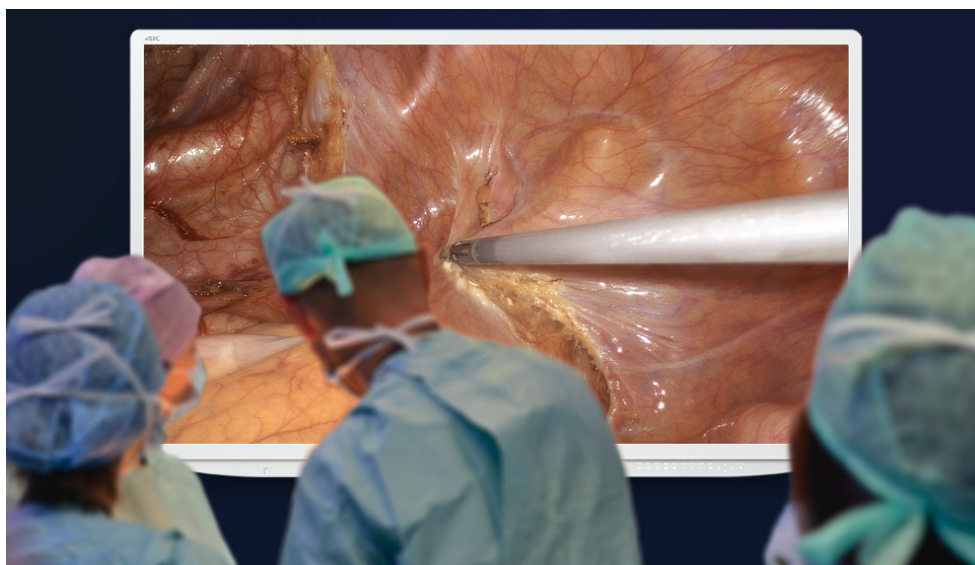
- Supports UHD, HD and SD video input
- Full resolution video routing of 4K and 2K to multiple surgical-field and room displays
- 4K image capture
- High definition video recording and streaming
- Familiar EasySuite user interface and workflow
- Device recognition via EasyPort™
- Virtual care team collaboration via MedPresence®
- Multi-view Tiling (PIP, Split, Quad) with live preview capabilities
- Access to sources via USB-based keyboard, mouse, and 2-touch control

EasySuite® 4K

Ultra-High Definition OR Integration

EasySuite 4K is a next-generation procedure room integration solution featuring full-room routing of native, uncompressed 4K video via a 10G Ethernet-based switching architecture, providing unparalleled clinical precision and future-proof flexibility. The solution enables surgical and interventional clinicians to connect with the visual insights derived from legacy HD/SD and now ultra-high definition (UHD) medical sources, to simplify pre-, intra-, and post-operative clinician workflows in spaces ranging from small outpatient procedure spaces and larger operating rooms.

Rooms integrated with EasySuite 4K have a level of flexibility and scalability which allows the space to be used for multiple specialties and types of medical procedures. This helps hospital enterprises improve clinical procedures and operational efficiencies, while enabling clinicians to focus on what matters most: patient care.



EasySuite 4K supports efficient Big Screen Surgery

Easy Adoption of 4K Technology

Ultra-high definition (4K/ UHD) video quadruples the resolution of high definition (HD) video and generates a wider color gamut. UHD cameras, microscopes, and surgical enable clinicians to see more structural detail than previously possible, making it easier to distinguish the subtle differences in reds and yellows. The EasySuite 4K system integration platform has been designed specifically for the healthcare environment to empower surgeons to operate with greater efficiency and precision, not frustrate them with complex technology.

Flexible Deployment

The flexibility in which EasySuite 4K may be deployed enables OR and technology leaders to satisfy their facilities' unique requirements based on procedure room size, available server space, and the distances between spaces. Deployment options range from a small, quiet system located in the room under a nurse's station to a rack adjacent to the room or in an equipment closet, supporting multiple rooms.

Future-Proofing Technology

EasySuite 4K is modular, scalable and standards-based—allowing hospitals to add new devices, ports, and switching capacity as needed, while protecting its investment. Seamless support for both 4K and legacy high definition (HD) and standard definition (SD) video accommodates mixed-source environments and allows easy migration from 2K to 4K on the hospital's timeline.

When the next generation of video standards emerge, EasySuite 4K's scalable architecture ensures that hospitals are ready.

Enterprise-Grade Security Protection

Modern Healthcare reports \$2.8 billion was spent on healthcare hacking breaches in the US during 2016. Image Stream Medical takes this cybersecurity threat seriously and has built the platform to adhere to tough security standards. EasySuite 4K is built on the latest Microsoft Enterprise IoT platform, a commercially hardened embedded operating system. Each EasySuite 4K device runs Microsoft AppLocker Whitelisting which only allows the execution of known and signed (trusted) applications, and Windows Defender for up to date antivirus protection. In addition, each EasySuite 4K device, is configured with a uniquely identified security certificate which ensures that only authenticated devices are allowed into the EasySuite 4K system and protects communication between EasySuite 4K devices.

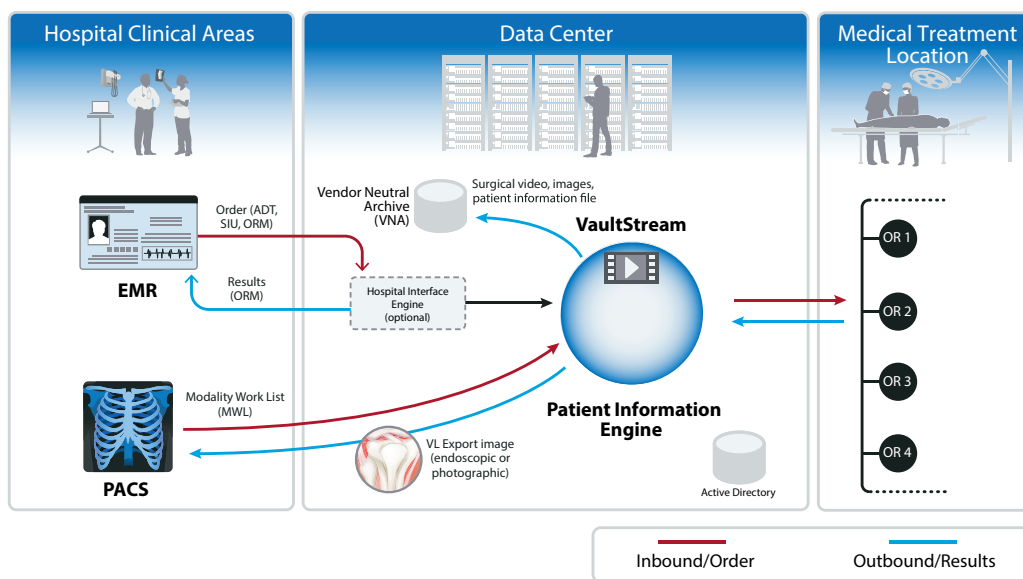
Seamless Interoperability

Not every hospital will be ready for 4K System Integration in every room, or even at the same time. Image Stream Medical understands this reality and makes it easy for hospitals to deploy EasySuite 4K in the rooms that need it, while continuing to rely on EasySuite in rooms that have not yet made the transition.

EasySuite 4K leverages the same enterprise services for content management, RoomLink, streaming, and healthcare IT system integration making EasySuite 4K fully interoperable with existing EasySuite rooms. This eliminates the need to install duplicate servers, train staff on a new system, or require clinicians to know what type of room they are operating in.

Streamline Hardware and Management Costs

Image Stream Medical simplifies enterprise-class connectivity. Hospitals can run content management, streaming, and EHR integration on the same virtual server, rather than deploying a separate physical server for each function or requiring per room connections.



Enterprise system integration unifies the patient record

More Choices with a Vendor-Neutral Partner

Many OR integration systems route and control only OR video sources manufactured by that vendor, limiting a hospital's options. EasySuite's standards-based open architecture supports devices from any manufacturer, enabling hospitals and clinicians to select the highest quality sources for specific rooms and specialties.

Enterprise OR System Integration

Capture Images & Video

4K IMAGE CAPTURE

EasySuite 4K OR integration makes it easy to display and capture images whether the images are enhanced with the fine details provided by state of the art 4K endoscopes or from traditional HD and SD image sources.

VIDEO RECORDING

With EasySuite 4K, clinicians can record HD video from one or two HD and UHD sources simultaneously to capture the entire procedure, or shorter segments of it, and save it in industry-standard MPEG-4 video format.



Enabling video collaboration across all integrated rooms

Manage and Maximize Enterprise-wide Content

INTEGRATE WITH HEALTH INFORMATION SYSTEMS

EasySuite 4K OR integration supports a unified patient record by integrating with a hospital's EHR and other systems through industry-standard HL7® and DICOM interfaces. Inbound surgical orders integration ensures error-free patient registration in support of accurate charge capture. Post-procedure, outbound image and video results can be shared with EHR, PACS, or VNA systems to provide seamless access to important surgical information, using familiar clinical applications.

SHARE SURGICAL CONTENT INTELLIGENTLY

Access to surgical images and video are often required long after a procedure is over. Image Steam Medical's VaultStream® is a centralized, self-managed surgical content library that provides secure, web-based access for authorized clinicians from any device connected to the hospital network.

Without an enterprise-wide storage and access system, clinicians could download videos to insecure locations, placing the hospital at risk for data loss, viruses, and Health Insurance Portability and Accountability Act (HIPAA) violations due to inappropriate Protected Health Information (PHI) access.

DRIVE CLINICAL COLLABORATION

The sheer complexity of today's multi-disciplinary and multi-vendor procedure spaces requires real-time access to clinical consultations, technical support, training, and clinical education. EasySuite 4K OR Integration system enables collaboration within a procedure room, across the hospital enterprise, and beyond by making it easy for clinicians to view, route, record, stream, telestrate, and edit surgical video information pre-, intra-, and post-operatively.

EasySuite 4K's MedPresence® immersive medical virtual presence solution enables teams to quickly bring needed expertise – specialists, senior clinicians, technical experts, application trainers, or manufacturer's representatives – into a procedure space from across the organization, around the world, and at any time – virtually. MedPresence combines the context that participants need – room- and task-specific views, live imagery, and clinical information with shared control of sources and real-time telestration – to collaborate effectively.

With one button room-to-room connectivity, EasySuite 4K's RoomLink is ideal for quick conversations. The LiveStream® Network supports views into an OR for clinical monitoring, scheduling, and teaching applications. With LiveStream StatusBoard, clinical teams can monitor the state of multiple ORs at a glance from a central location such as a nurse's station. StatusBoard can improve turnaround times for prep and cleaning crew deployment, eliminate clinician productivity losses due to waiting, and alert staff and clinicians of patient arrival and departure.



See surgery room status in real time and optimize room utilization

Optimize Clinical Workflows

SEE MORE WITH MULTI-VIEW TILING

A multi-view tiled display can be especially helpful to clinicians during surgery. EasySuite 4K gives users the ability to tile up to four (4) independent sources on each display. Tile layout configurations are easily generated and previewed through the EasySuite 4K touch panel and are saved for each room display on a per-physician basis.

ACCELERATE TEAM EFFICIENCY

EasySuite 4K supports clinicians at every step - from a pre-surgical review of previous procedures and in-procedure consultations with colleagues or medical student instruction, to post-op surgeon-to-patient communications and presentations for professional conferences.

The VaultStream EasyView application lets clinicians access, view, and share video content from anywhere on the hospital network. Clinicians can search for, annotate, and even compare multiple procedure videos side by side. EasyCut provides a simple solution for video editing and production designed for use by surgeons, with advanced features like video bookmarks with automatic editing, voice annotation, and Microsoft PowerPoint® integration for effortless creation of podium-ready presentations in minutes.

INCREASE DEVICE CONNECTIVITY SPEED

In today's flexible, multi-disciplinary surgical rooms, the team needs to roll in mobile sources and connect them quickly. Once connected, the EasySuite 4K integration system automatically recognizes a device, labeling it in the touch panel with the user-friendly name that the hospital chooses, so clinicians don't have to guess which device is routed to a display. The universal EasyPort™ makes it possible to connect HD and SD imaging device without searching for a matching video connector for that device. EasySuite 4K automatically recognizes and labels 4K sources as well.



One-handed device connection speeds room setup

Improve Patient Safety and Satisfaction

AUTOMATE SAFETY COMPLIANCE

EasySuite 4K automates surgical safety with integrated pre-surgical safety checklists to guide the surgical team through the Time-Out process. Clinicians can use either the World Health Organization (WHO) or the hospital's Time-Out safety checklist. With a single press of a button the Time-Out function automatically mutes all music, brightens the room lights, and places the safety checklist on all room displays, supporting compliance with Joint Commission's Guidelines for Prevention of Wrong Site, Wrong Procedure, and Wrong Person Surgery.

FACILITATE PATIENT WELL-BEING AND CLINICIAN SATISFACTION

Studies demonstrate that pre-surgical positive distraction can reduce patient anxiety and pain. The EasySuite 4K Patient Greeting System's library of soothing music and videos helps establish a calm environment for adult and pediatric patients. Once the procedure begins, clinicians can stream music from personal devices or run popular music streaming services through EasySuite 4K's high-quality audio control system to maintain a relaxed work environment.

Options

Please note: Optional features are not available on all EasySuite 4K configurations.

HIGH-DEFINITION ROOM CAMERAS

- Pan/Tilt/Zoom (PTZ) IP cameras
- Fixed IP cameras

RACKS

- Low profile, under desk racks
- Custom racks for any application

AUDIO

- Personal audio wireless microphone
- Standard or upgraded speakers
- Personal music control system and convenient audio and charging interfaces

CLINICAL COLLABORATION

- Immersive Virtual Presence with MedPresence
- Live video streaming
- Room Link
- Legacy video conferencing with selected 3rd party systems*

**Contact Image Stream Medical technical support for a current list of compatible 3rd party systems*

VIDEO CONTENT MANAGEMENT

- Image and video annotation, searchable labels
- Automatic content storage with guaranteed delivery at case finish
- Enterprise access
- HIPAA compliance with reduction of PHI exposure risk

ENTERPRISE & HIS INTEGRATION

- DICOM | PACS | VNA
- HL7 | EMR/EHR

IMAGE CAPTURE

- 4K or HD

VIDEO RECORDING

- HD
- Single or dual-channel

DISPLAYS

- 4K Medical-grade surgical field displays
- Variety of 4K and HD wall displays

PRINTERS

- In-room medical-grade or network-based options

ADVANCED VISUALIZATION

- Display multi-view tiling (PIP/Split/Quad)
- Live preview

WORK-FLOW MODULES

- Patient Greeting System
- Checklist Manager

FULL SERVICE SOLUTION

- Drawing Services
- Consultation with Integration Specialists
- Project management
- On-site installation
- On-site and remote training

WARRANTY & SUPPORT

- One year warranty included
- Annual and extended service contract options with scheduled preventative maintenance visits
- 24x7 technical support:
- Applications and system hardware
- Local field service
- Remote diagnostics



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1003249 Rev. A

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