

Enterprise Hospital Systems Integration

Seamlessly Supporting the Surgical Imaging Lifecycle

FEATURES:

- Integrate nCare MX and EasySuite with hospital applications for seamless work-flow
- Streamline patient registrations
- Reduce manual interventions & errors
- Support unified patient record
- Provide single point of access for images & patient data

Image Stream Medical provides flexible interfaces for the integration of EasySuite integrated operating rooms and surgical suites with the nCare MX recording platform to hospital enterprise applications. A full complement of HL7 (Health Level 7) and DICOM (Digital Imaging and Communications in Medicine)-based inbound and outbound interfaces support the entire cycle of surgical care seamlessly—from patient registration and discharge to clinician access of surgical video and images with enterprise applications.

Standards-based interfaces support hospitals' unique work-flows, whether they include a PACS (picture archiving and communication system), EMR (electronic medical record), scheduling system, a VNA (vendor neutral archive), or some combination of systems.

Unify the Patient Record

Case information, including recorded video and saved images, is automatically stored on the centralized VaultStream library at the conclusion of each procedure. VaultStream EasyView enables clinicians to securely share and access case information from the hospital network.

To maintain a consistent work-flow across departments and ensure that surgical results are available with the patient chart, some hospitals prefer that clinicians access patient clinical information, including surgical results, from a single, familiar application – their EMR or PACS.

Flexibility to Support EMR Requirements

If there is one thing that is true across EMRs, it is that they handle access to surgical images in different ways. Image Stream Medical understands this and supports multiple options for accessing surgical information from an EMR—via a link to the VaultStream application, a link to a PDF report containing the surgical images, or direct access to the PDF report from the EMR—whichever the hospital's EMR supports.

When integrating the EMR with the VaultStream application, Image Stream Medical ensures efficient clinician work-flow by including user authentication credentials so that clinicians are not required to separately login to VaultStream each time.

Support for Enterprise-wide Archiving

Today, many hospitals are adopting VNAs for imaging storage across the enterprise. Image Stream Medical supports the export of full procedure information—including images, video, and patient information to commercial VNAs, such as TeraMedica® Synapse VNA and Cerner® CareAware MultiMedia.

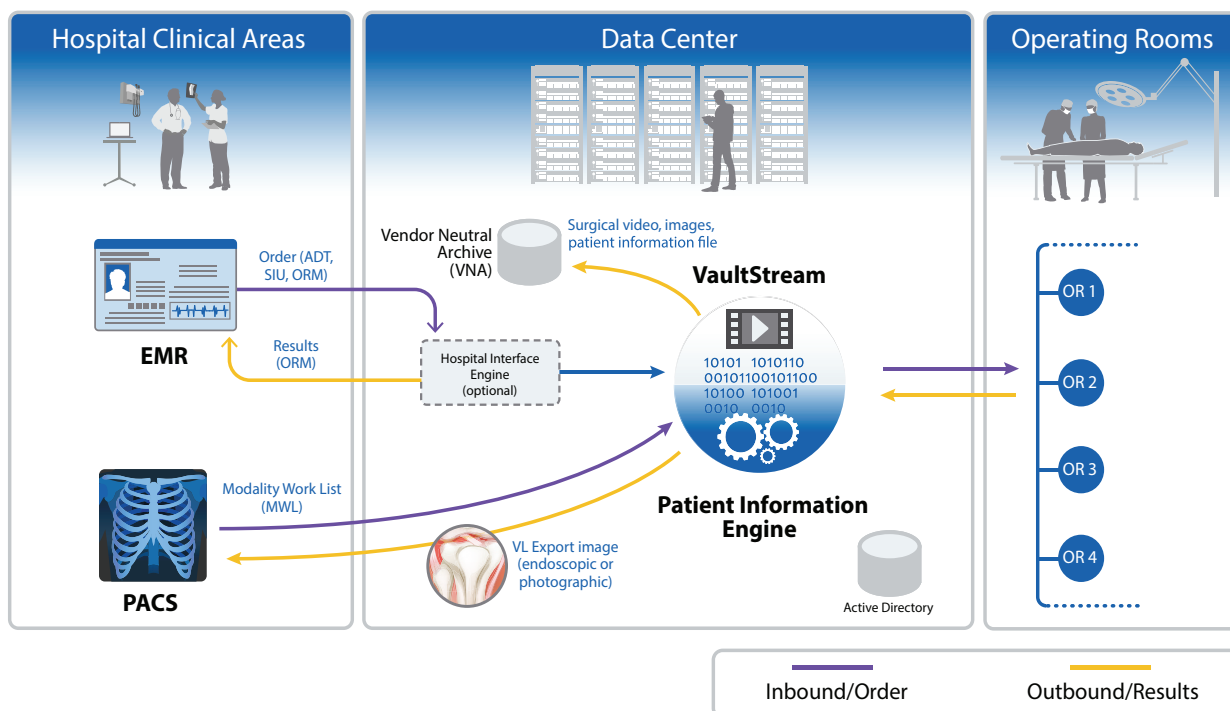
Full-Featured Inbound and Outbound Support

Image Stream Medical's robust interface specifications support integration with most commercial EMRs. Inbound orders can be submitted via HL7 admit discharge transfer (ADT), orders (ORM), or scheduling (SIU) messages or queried from a DICOM Modality Work List (MWL). Outbound results are sent in standard HL7 ORM messages, encapsulating or linking to result images or through authenticated access to the EasyView web application.

Consolidated Access for a Simpler Network

Some solutions require that each operating suite has a separate network connection to hospital systems, creating a maintenance nightmare for IT. The fully integrated VaultStream Patient Integration Engine (PIE) provides a single point of communication to hospital systems, brokering all inbound and

Improved Clinician Efficiency with Orders and Results Integration



PRODUCT SPECIFICATIONS

HL7

- Supports HL7 version 2.x
- Inbound - ADT, SIU or ORM
- Outbound - Standard ORM
- Support for custom inbound or outbound messages, available from Image Stream Medical Professional service

DICOM

- Inbound - Modality Work List (MWL)
- Outbound - VL (Visible Light) image export; endoscopic or photographic

Network

- Fully integrated with VaultStream Patient Integration Engine
- Configurable network port (TCP/IP)

Work-flow

- Automatic or pick-list patient registration and discharge
- Support for update and cancellation of orders

Results Integration

- Results access options - hyper-link to VaultStream, link to PDF report file, HL7 encapsulated result PDF
- Full user authentication to VaultStream application through Active Directory



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