

Healthcare providers - hospitals and clinics

Enterprise Imaging Integration and Management

Seamlessly connect imaging modalities into existing enterprise EMR/VNA systems and workflows under strict medical regulation and security standards

Key Customer Challenges:

Today's imaging challenge of Digital Health:

Clinical Need:

Access to clinical images and videos across the care continuum.

Workflow Challenges:

Current solutions of acquiring images and videos from different Methodologies (Surgery, Endoscopy, Dermatology, Labs, etc.) require costly, inefficient, manual multi-step process.

Clinicians want seamless access to imaging contents directly from the EMR without having to change their workflow.

HIPAA Concerns:

No accountability for storage devices that leave the procedure rooms.

Potential errors by manually saving images to patient records.

Hardware Accumulation:

Collections of DVDs and storage devices makes finding desired content inefficient.

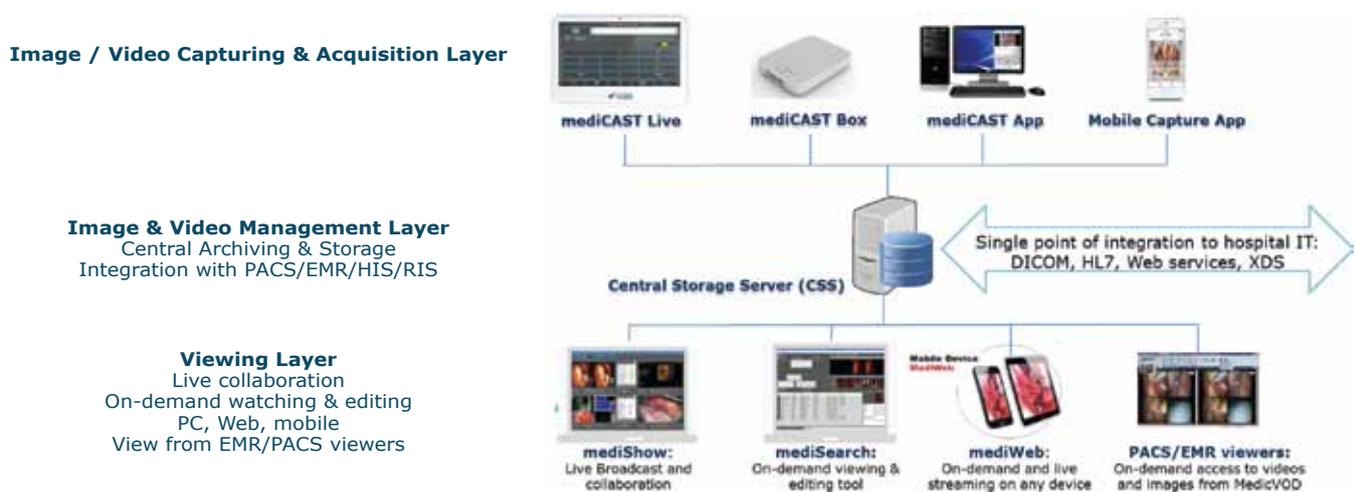
Orpheus Medical Solution:

Aiming to improve quality, safety and affordability of healthcare for the benefit of all patients, seamless access to clinical images and videos across the care continuum is now an acknowledged must for all clinicians.

While current methods require costly, inefficient, manual multi-step processes entailing unnecessary hardware accumulation as well as HIPAA concerns of accountability and errors, Orpheus Medical's MedicVOD is the only comprehensive, cost-effective plug and play archiving and broadcasting solution in the market allowing clinicians and staff to quickly, easily and securely access procedure videos in real-time or on-demand from anywhere on the hospital's IP network; and export them anywhere, any time.

See Figure 1

Figure 1 - The MedicVOD Data Layers



Benefits:

Orpheus Medical's MedicVOD enables:

Faster, Comprehensive Diagnostic Results: Faster availability of all patient diagnostic result information for all care providers. Complete diagnostic result is available in the patient's EMR immediately following the procedure.

Informed Decision: Enhanced information transfer from specialist to primary care and other care providers.

Clinical Note and the Associated Image: Reduces subjective interpretation of narrative report

HIPAA Compliant: Reduced HIPAA risk during patient information transfer. Images and reports are managed within a secure network.

Operational Efficiency: Information is available in the patient's EMR immediately upon procedure documentation finalization.

Reduce Unnecessary Exams: Visual results available to all care providers for review subsequently reducing unnecessary repeat exams.

Increased Reimbursement: Admission and discharge wound assessments are documented with both narrative and visual findings which appropriately substantiates present upon admission wound conditions for increased reimbursement.



Features:

Video and Image acquisition and recording:

- Automatic and seamless image and video capturing of all enterprise imaging modalities: Laparoscopes, Endoscopes, Microscopes, US, X-Ray, External Cameras, Robotic surgery and more.
- Support HD 3D video quality
- Recording up to 4 HD video sources into a single video
- Mobile Capturing App for Dermatology, Labs, Wound Care, etc.

Central Archiving Storage:

- All videos and images stored on a central VNA archive
- Storage can be accessed by any 3rd party viewer
- Flexible long term archiving and compression policies
- Single point of integration with PACS/EMR/RIS/HIS/LDAP

Live Broadcast & Collaboration:

- Real time video broadcast over IP, based on permissions
- Take snapshots and bookmarks during procedure
- Talk back: Video chat with viewers
- OSD (On Screen Display): Real time collaboration with viewers
- Start over: playback during live recording

On Demand access from any device:

- Search by patient name, ID, date, ICD9/10, metadata, etc
- View videos and images in a rich player
- PC apps and HTML5 versions for Web, Mobile and Tablets
- Take screenshots, indexes, and add annotations while watching offline

Seamless EMR and PACS integration:

- Instant access to contents directly from patient file in the EMR/PACS without changing the clinical workflow - no manual steps required
- Seamless link integration - no need to change anything in the EMR
- Images are dicomized and shown in the EMR viewer
- Videos are streamed to the EMR viewer seamlessly from the MedicVOD server

Editing and sharing:

- Simple video editor to create personalized video clips
- Video editor wizard generates automatic clips from bookmarks and screenshots
- Save videos and images locally in multiple formats
- Clinical sharing for remote consultation
- Auto de-identification when sharing outside of the clinical systems

Plug & Play Deployment:

- Using the existing hospital network and infrastructure
- Capturing units connect to any imaging modality
- Easy installation by the hospital IT

Minimal training needed:

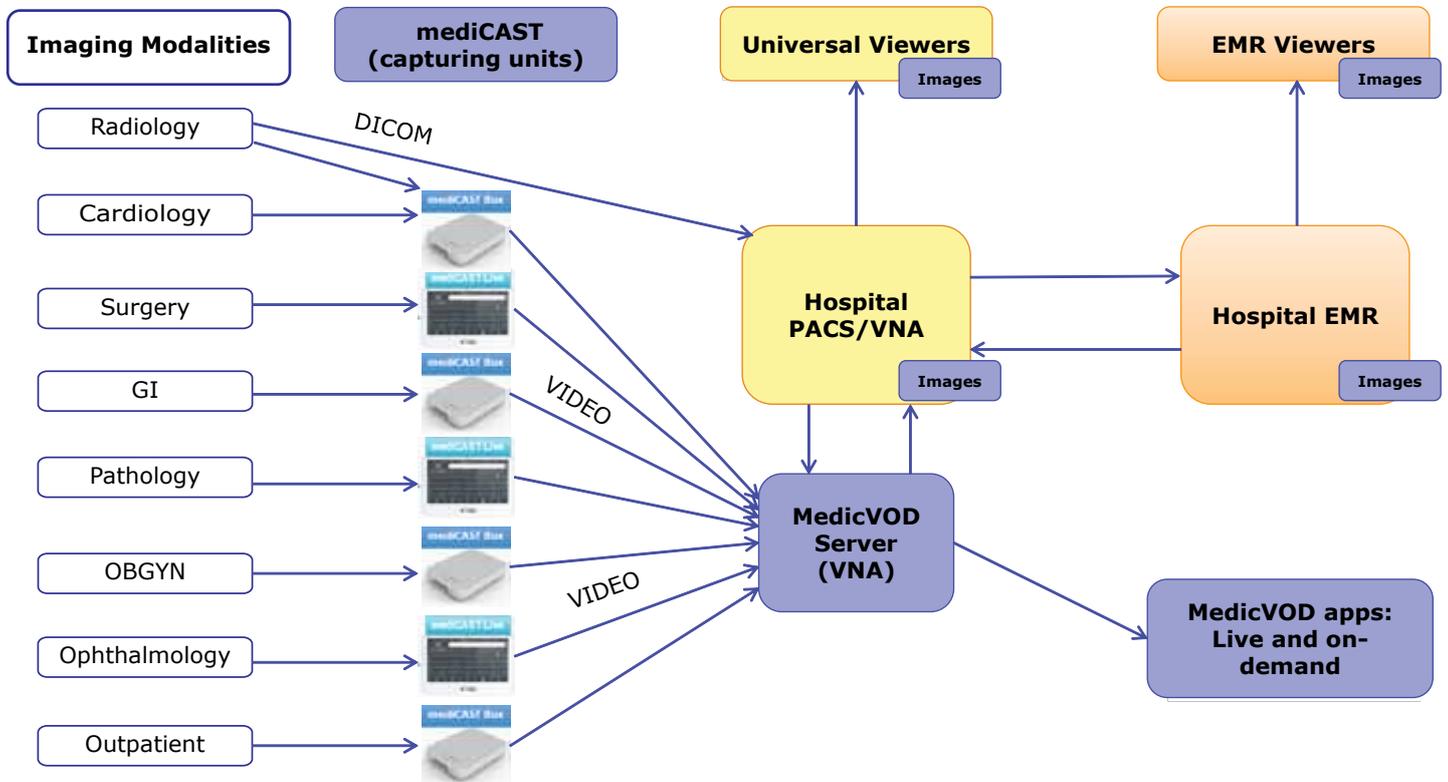
- Clinicians can start working without prior training

Mobile Capture

- Secure, easy to use mobile app to capture and upload images and videos
- Supports native iOS and Android platforms
- Designed for Dermatology, Psychiatry, Labs, Plastic Surgery, Wound care, etc.



MedicVOD Imaging Architecture:



General Facts:

- Technology/IP includes proprietary hardware and software development delivering telco-grade performance in real-time while minimizing bandwidth, storage and cost.
- The company has unique video compression techniques (for videos taken inside the human body), saving an additional 15% of video storage on top of existing compression standards.
- MedicVOD is deployed in 35 leading medical centers in Europe and the USA; typical deployments include GI, ENT, Urology and other minimally invasive, endoscopic and robotic surgery procedures.
- MedicVOD is FDA 510k and CE approved; it is HIPAA compliant
- Field proven interoperability with leading PACS, EMR and Endoscopic vendors.