

MviStream *DICOM Viewer*

thin-secure-fast

<p>Radiology Image Streaming</p>	
	<p>Powered by ABO™</p> <p>Lossless DICOM Compression</p>
<p>DICOM Viewer Secure, efficient and a flexible platform for healthcare professionals everywhere...</p>	

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Virtual Radiology. What's the problem?...

Radiology images are big. A single CT can easily exceed 1,000 images (aprox 500MB). If you and The study are in different places you will need patience even on a good connection speed. To compound this, the diagnostic specialist requires access to all the study to provide a thorough clinical opinion. Tradition dictates that all data must move from A to B to accomplish this. Approached from another angle, the specialist actually needs to see the study instantly to scan through, and at any point of interest, load perfect images on demand. This can be anywhere in the study of course. Its a bit like the way Google Earth works. And to do this, you require the best compression and streaming technology to solve the problem. This is what MviStream does. It accelerates and simplifies virtually radiology workflow...

Image Streaming... more for less.

To enable access to Internet hosted images AND provide full rendering functionality (as if they where hosted locally), requires technology that masks the obvious bottlenecks in the acquisition process. To the user, all should seem smooth fast, reliable and fully functional. Under the bonnet, sophisticated technology, complex rules and clever optimisation is at play.

“Streamed Images” gives users an instant and lower resolution version of their complete requested image set as quickly as possible. This gives the clinician a way of quickly navigating through a Study/Exam and pick regions of interest (ROI) at random - The system then intuitively and losslessly populates surrounding images in real-time. Streaming technology speeds workflow by providing simultaneous data transfer and image rendering. Regions of images, sub-resolutions of images, or sections of studies can be viewed quickly while the remainder is streamed to the clinician or radiologist as a background process.

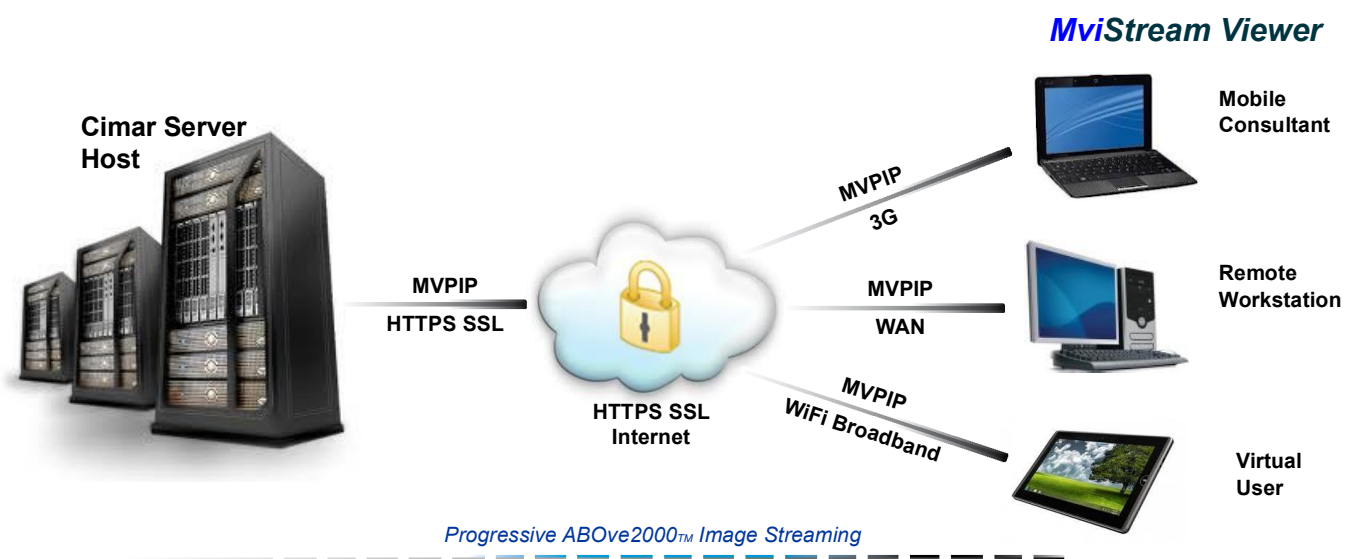
Cimar's MviStream Viewer provides both the image streaming technology - And the raft of image manipulation functions, expected by radiologists - Including the ability to push Radiology on to other destinations...

ABO DICOM Optimisation

This award winning technology, Adaptive Binary Optimisation (ABO), achieves unparalleled levels of lossless image compression through its fast and radical algorithms. The technology makes it possible for organisations to move and share massive data volumes over challenging network infrastructures extremely fast, securely - and crucially - with lossless image quality.

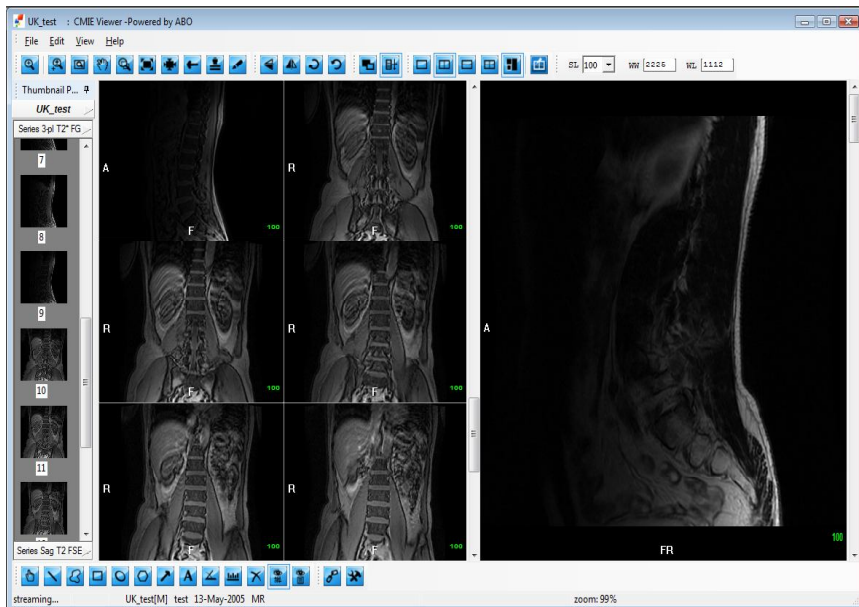
MVPIP - Encrypted transmission

MVPIP is the TCP transmission protocol used to send encrypted data over secure client/server connections. ABO and MVPIP work hand-in-glove to compress, encrypt, stream, decrypt and decompress data on the fly. MVPIP uses the HTTPS secure session to authenticate the user with the server. Using the same channel, commands runover HTTPS, and data flows back on which ever port is set to carry MVPIP streams.



MviStream Viewer

- Rapid & Intelligent transmission of highly compressed streamed images, optimising available bandwidth.
- Easy to install and use, includes all prime image manipulation function.
- Accelerated access to complete studies - However big. Supports all Tier one modality formats.
- Optional streaming settings allow quick access to low level overviews, to full lossless acquisition and rendering.
- Secure, encrypted and compliant data transmission inside secure connections.
- Highly scalable architecture and dependable performance.



System Specifications*

MviStream Server

- Pentium 4 Multi Core processor or higher
- 2GB RAM,(4GB Recommended)
- Archive storage as required

MviStream Client Viewer

- Pentium 4 processor or higher
- 512 MB RAM, (1 GB Recommended)
- 10GB free hard disk space

Hardware Requirements

Software Requirements

- Microsoft Windows Server 2003/8
- Microsoft IIS 6.0 or later (Part of OS)
- Microsoft Internet Explorer 6.0 SP1 or higher
- Windows XP with SP2 /Vista or Windows 7
- Microsoft Internet Explorer 6.0 SP1 or higher

* The hardware specification is based on the usage, connectivity and model of typical usage. Clients who host their Cimar web account on our servers, only need to consider the MvStream Client specifications. Please contact us for optimum and detailed specification.



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MatrixView is ISO 13465:2003+AC: 1007 Certified