



Imaging in the Cloud

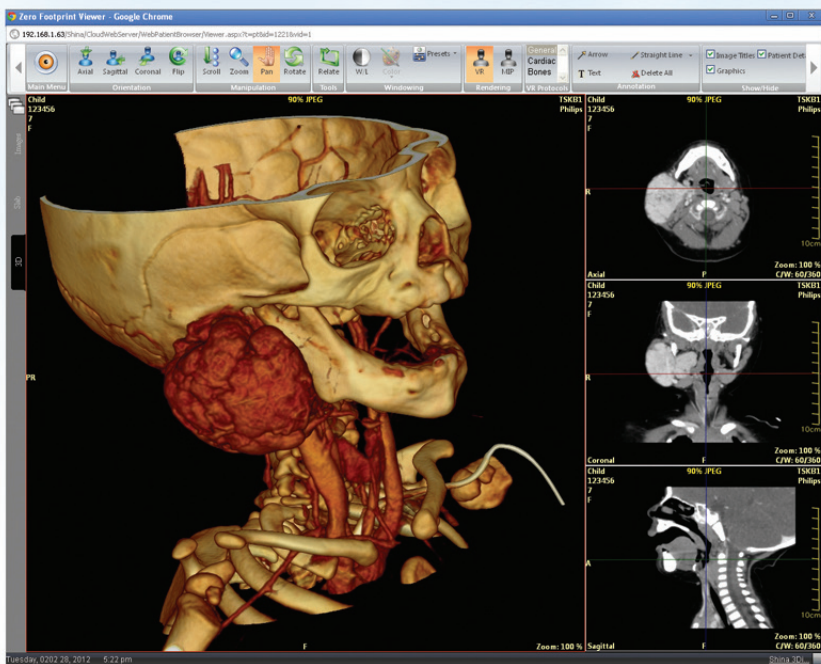
# Cloud Based Medical Image Management and Visualization Platform



# Any Time, Any Where, Image management, Processing and Analysis with no Upfront Cost

**3Di** is an innovative, cloud-based image management and advanced (3D/4D) visualization software suite that turns any Internet-enabled PC into a comprehensive image processing workstation. 3Di allows instantaneous access to imaging data, advanced reformatting and viewing tools from any location across the globe, as well as powerful computer processing in a cloud environment. It eliminates costly dedicated storage servers and workstations, while providing interactive image viewing and advanced visualizations **anytime** and **anywhere**.

**3Di Web Viewer** is a thin client, web-based viewer, which runs on **any web browser without installation or download**. 3Di Web Viewer provides advance 2D/3D viewing directly from the cloud. It is an ideal viewer for quick review of medical images generated by any imaging modality.



▶▶▶ The 3Di Web Viewer

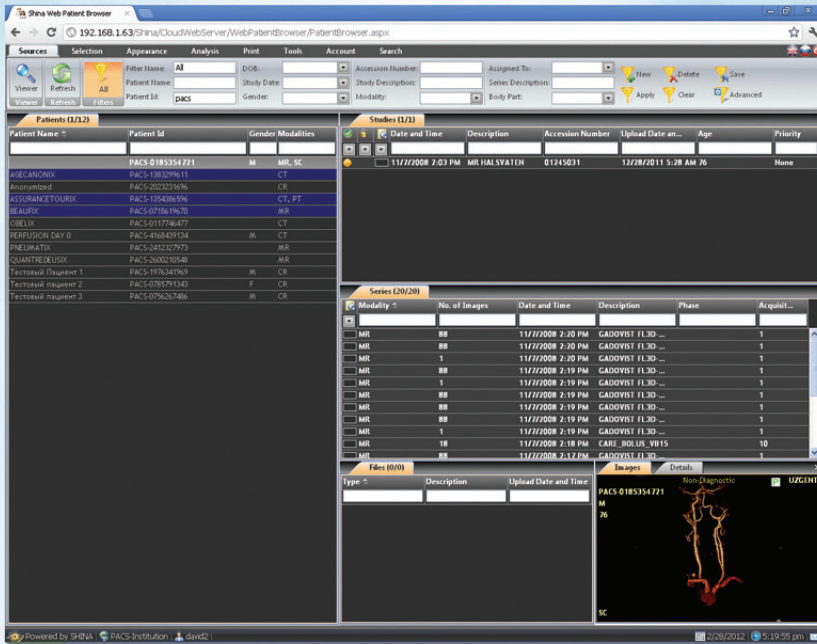


3Di Web Viewer allows wide range of image viewing and image manipulation options:

- Secure data and image sharing over the cloud by URL creation with expiration time.
- Standard image manipulation tools (Stack scroll, Zoom, Pan, Rotate, Window level).
- Multiplanar reconstruction (MPR) with slab capability Volume Rendering (VR) and Maximum Intensity Projection (MIP) viewing.
- Without installation or download, 3Di Web Viewer runs on any browser in Laptops, Tablets and Smartphones (iPhone and Android), including touch screen gestures (zoom, rotate).

▶▶▶ 3Di Web Viewer on any hardware

**3Di Web Patient Browser** allows fast image and data management with no pre-installation, by running directly on any web browser. The Web Patient Browser serves as the portal to all the data and functionality within the 3Di platform. It allows fast and easy access to patient and image data at every stage of work using advanced searching filters. Furthermore, advanced analysis applications are available within Web Patient Browser.

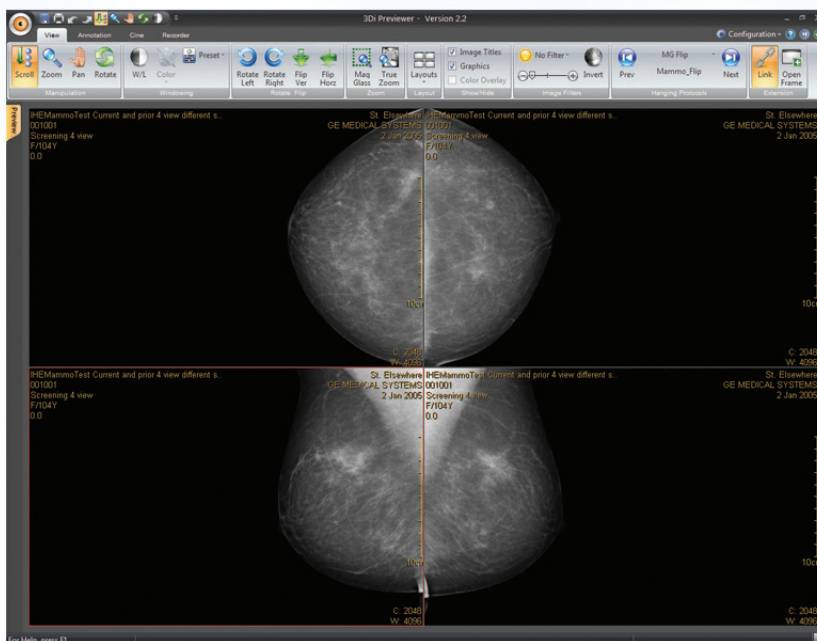


- Web based (AJAX - zero installation) worklist management.
- Easy-to-use filters, search and viewing of DICOM images from a selected series.
- Management of studies, results and reports.
- Review, assign, delete, lock/un-lock and status management of studies.
- Automatic Pre-Processing based on advanced rules definition.

▶▶▶ The **3Di Web Patient Browser**

**3Di Previewer** is an advanced diagnostic viewer displaying 2D, 3D and 4D (sequences) images. Using unique streaming, 3Di Previewer loads studies directly from the server, allows fast and easy image reading with minimal user's interaction.

■ In addition to the common PACS viewing functions, the following is available:



- Multi-modality DICOM viewer.
- Multi-monitor support.
- MPR, MIP and VR reconstruction modes.
- Support Color Palates for PET/SPECT Images.
- Hanging Protocols support.
- Automatic or manual (drag-n-drop) images placement using thumbnails.
- Report or print any generated image.
- C-arm orientation display for supported cardiac XA runs.

▶▶▶ The **3Di Web Previewer**



# Architecture

The **3Di** architecture is extremely simple and includes three main components:

**1 The 3Di™ uploader** - a thin (less than 10MB) downloadable software module which receives DICOM data from the local DICOM network and transfer it quickly and securely to the 3Di Cloud.

- Secure (128-bit encryption) and efficient (compression/streaming) data transfer.
- Fully HIPAA compliant.
- No need for VPN ( Upload using HTTPS protocol)

**2 The 3Di™ cloud** - an online unlimited pool of managed repositories and processing engines for medical images. 3Di cloud receives images from multiple sources (uploaders) processes them if needed, archives and assigns them based on configurable rules.

- Rule-based data access for viewing and/or retrieving images.
- Auto batching and image pre-processing tasks.
- Unlimited storage capacity and computing power.

**3 The 3Di™ client** - a thin (about 20MB) downloadable software suite which can manage DICOM data locally or connect to a remote sources (3Di cloud, PACS) to receive/send DICOM data. By using ordinary PC, the 3Di client enables viewing and analysis with an advanced Multi-Modality 4D viewer and dedicated state of the art clinical applications.

- Easy-to-use study list with relevant filters and DICOM functions (PB).
- Intuitive image printing tool and 2D Multi-Monitor Image previewer.
- Advanced tools like Vascular CT and MR, Cardiac-CT Coronaries and Functional, Calcium Score, Virtual Colonoscopy, PET-CT viewer, CT Brain Perfusion.
- Available also as stand-alone applications with easy PACS integration.

