



THE WEB SOLUTION FOR DISTRIBUTION OF MEDICAL IMAGES

EYELITEWEB by G-Squared is a system for distributing and viewing DICOM images through a browser.

EYELITEWEB by G-Squared is a system for the distribution and visualization of DICOM images via web browser. It is a web-based viewer in which image processing is performed entirely on the client side, using HTML5 and JavaScript. DICOM images are transferred via HTTP(s) and displayed directly by the browser. The server does not perform any image processing.

EYELITEWEB is the answer to the growing demand for remote consultation of radiological images, enabling simple visualization of DICOM images retrieved from a central server (via WADO) within a Web Viewer (HTML5). DICOM images available on local PACS systems are acquired by the web module, which transforms them and makes them securely accessible to any user connected to the corporate network.

EYELITEWEB is configured to maintain a cache of the most recent exams (the time range is configurable and customizable), in order to speed up their consultation. For older exams, image delivery time is slower, as the web server must request the images from the PACS or ABI.

EYELITEWEB can be invoked by other web applications through URL calls containing the data of the exam to be displayed.

EYELITEWEB allows:

- visualization of 2D and volumetric images
- generation of MPR (Multiplanar Reconstruction) and MIP (Maximum Intensity Projection)
- rendering of PDF documents (Embedded PDF) and DICOM SR (Structured Report)

PRODUCT FEATURES

IMAGE VISUALIZATION AND MANIPULATION OF STORED IMAGES:

- navigation through exam series
- zoom (interactive and magnifier)
- pan
- LUT (contrast and brightness) and inversion
- stacked mode
- cine playback of temporal studies (AVI)
- measurements (distance, angle, ellipse, rectangle, Cobb) and annotations
- transformations (rotation and vertical/horizontal flip)
- pixel value display
- snapshot saving
- local image download with annotations (JPEG/PNG format)
- display of image DICOM tags
- layout grid modification
- 3D functionalities

3D FUNCTIONS:

- MIP
- MPR
- slab thickness adjustment
- LUT adjustment on all three orthogonal views
- synchronized navigation across the three orthogonal views
- view rotation

ADDITIONAL FEATURES:

- shortcut customization
- interactive loading of DICOM images from the file system



