Visbion Image Archive Entry-Level

Image Storage and Display Solutions for Practices and Clinics

The Visbion Image Archive Entry-Level is an image archive with a built-in web server, designed specifically for the small to medium size practice or clinic. Image Archive Entry-Level provides secure storage for all your images in one place, and allows review of high quality images all around the practice using a standard web browser. With the right security and internet connection in place, images can even be reviewed from outside the practice. The web viewing software incorporates all the tools expected from a high end radiology workstation. Features include a full range of image review tools, side-by-side image comparison, extensive measurement tools and burning of CDs or DVDs.

A number of options are available for the Visbion Image Archive. Visbion Image Viewer can be added for advanced review and reporting. A variety of screens designed specifically for medical image review can be included to provide a typical full workstation solution and the Visbion Image Cube allows encrypted and compressed data transmission from remote sites such as branch practices with digital x-rays.

Overview of Image Archive Entry-Level

▶ Storage of 150,000 typical x-ray images

▶ Connection for up to 3 imaging devices

▶ Up to 5 concurrent users viewing images, unlimited registered users

▶ Dual hard disks for built-in redundancy

▶ Integrated web server for the viewing of DICOM images

▶ Support from Visbion's UK and Eire professional services team

▶ Compatibility for 3rd party viewers and other operating systems

▶ Can be integrated with many practice management systems

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Image Archive Entry-Level hardware details

- ▶ Based on industry standard hardware with worldwide warranty and support
- ▶ Storage for 150,000 typical X-ray images
- ▶ Connectivity for up to 3 imaging devices including CR, DR, MRI and ultrasound
- ▶ Built-in high quality Dicom Web Server
- ▶ Connection for external USB backup hard disk
- ▶ Visbion Remote Monitoring and Remote Login support*
- ▶ Optional online backup to Visbion Data Centre

Image Archive Entry-Level software features

General

- ▶ Encrypted and compressed image transfer for security and speed
- ▶ Importing of photographs and other documents into a single patient centric record
- ▶ Online remote software updates**
- ▶ Multiple monitor support
- ▶ Online help with tooltip pop-ups for every button
- ▶ Full colour support e.g. for ultrasound images
- ▶ Full animation support for cine images, e.g. ultrasound movies
- ▶ Copy displayed image to clipboard for inclusion in Word, PowerPoint etc

Image display options

- ▶ Multiple series layout formats for side by side viewing of image. Formats available are 1x1, 2x1, 2x2, 3x1, 3x2, and any configuration up to 8x8
- ▶ Multiple image layout formats, e.g. 1x1, 2x1, 2x2, 3x1, 3x2, and any configuration up to 8x8
- ▶ Automatic user-definable hanging protocols, including relevant prior study retrieval
- ▶ Image rotation (90, 180, 270 deg), vertical flip, horizontal mirror
- ▶ Greyscale and colour negative\invert
- ▶ Window\level and zoom restore buttons
- ▶ User-definable window\level presets

Standard mouse button tools

- ▶ Zoom, pan, magnifying glass
- ▶ Picker tool, e.g. for Hounsfield units or Standard Uptake Values
- ▶ Window\level or density\contrast adjustment, including colour images
- ▶ Each of the tools can be pre-configured to the left, middle and right buttons
- ▶ The middle wheel button can also be used to scroll through a stack of images, e.g. in MRI exams

Overlay tools

- ▶ Text Annotations, with configurable font and colour
- ▶ User definable pre-set text annotations
- ▶ Lines and arrows with length measurement, configurable thickness and colour
- ▶ Various region of interest (ROI) measurement tools
- ▶ Various angles and angled line measurements
- ▶ Line graph tool
- ▶ All regions of interest (ROIs) automatically calculate area, volume (where applicable), perimeter, mean value and standard deviation. Measurements can be displayed as part of the overlay or as a tooltip
- ▶ Annotations, measurements, rulers and orientation markers can be individually hidden or displayed

Advanced display tools and configurations

- ▶ Series locking by slice position, manual offset position, image number or frame time
- ▶ Multi-planar re-formatting functionality, including angled planes
- ▶ Curved multi-planar reformatting
- ▶ Maximum Intensity Projection calculation, including real-time interactive tools
- ▶ Individual user log-on with roaming user preferences
- ▶ Configurable permissions to allow a user or group of users to only see specific patients

Upgrade options

- ▶ Online backup to Visbion Data Centre
- ▶ Image Viewer workstation software for advanced review and reporting
- ▶ Range of Dicom calibrated radiology review screens

* Subject to network connectivity   ** Subject to maintenance contract

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