

Installation instructions for TLA software and iQ-VIEW.:

1. Introduction

True Life Anatomy provides a suite of software tools to allow 3D image creation, visualisation and manipulation. Access to CT and MRI data within a PACS environment can be difficult and has been a major issue in allowing clinicians access to this 3D imaging capability.

iQ-VIEW is the commercial version of the well-known freeware DICOM viewer K-PACS. This software enables the user:

1. to receive medical images
2. via STORE SCP,
3. to view images,
4. to do image processing,
5. to store images in a local patient database.

By adding the iQ-VIEW software to the workstation or computer, the CT and MRI data can be retrieved from the PACS, Network or CD, stored in a local patient database in an optimum form and creates a DICOMDIR file to allow TLA Generator access. Selecting the “TLA Generator” link button on the iQ-VIEW viewer window will launch TLA Generator and open it in the “Open Dialog” window, significantly improving the ability to access patient CT and MRI data.

The TLA files created cannot be saved back to PACS, and must be saved to a separate local folder (as .tla), or exported on a “non-dicom” network, or CD.

iQ-VIEW cannot open TLA files. Installing TLA Viewer will register TLA Viewer as the preferred TLA viewer that will open and load the TLA files when such files are selected. The folders preferences cannot be configured to load a TLA file directly into TLA Generator. These must be loaded by first launching TLA Generator, and loading the desired file using the “load” or “load recent” dialog box.

2. System Requirements

Minimum system requirements are:

1. Pentium III or IV CPU > 1.6 GHz (ideally > 2GHz), or comparable AMD processor
2. 500 MB main memory, depending on the demands and CT / MRI file size; 2 GB for large files
3. Network connection with at least 10Mbit/s to access PACS if required
4. 20 GB hard disk, depending on the volume of the data to be saved

5. Graphics card resolution of 1024×768 or more, 16 bit color or at least 8 bit grey output
6. Analogous colour monitor, 17" or 20" inches for demonstration, high-resolution monitor for diagnoses
7. Windows 2000 or Windows XP
8. CD-R drive

Recommended system requirements are:

1. Pentium IV CPU > 2 GHz, or comparable AMD processor
2. At least 1024 MB main memory, depending on the demands; 2 GB for cardiology and large Musculoskeletal images
3. Network connection of at least 100 Mbit/s
4. 20-120 GB fast local hard disk, depending on the volume of the data to be saved
5. Graphics card, resolution of 1280×1024 or more, in True Color mode (24 bit) or 32 bit color output, nVidia GeForce ≥6xxx or ATI ≥ 6xx for 3D post-processing
6. Analog color display, 17" or 20" for demonstration, high-resolution monitor for diagnoses
7. Windows 2000 or Windows XP
8. CD-R drive and mouse with scroll wheel
9. CD- or DVD writer for creating patient CD-ROMs
10. PostScript Printer
11. Up-to-date anti-virus software
12. Uninterruptible power supply (UPS)

3. Installation and Activation

Downloaded applications contain all files required for installation. Selecting several files on the registration and download page, will ensure the files will be progressively downloaded onto the designated site - usually the desktop. Use Windows Explorer to select the executable file to install the programs, and simply follow the instructions.

TLA programs or iQ-VIEW can be installed in any order. Each time iQ-VIEW opens, it searches the registry for installed programs and adds the appropriate link buttons in the viewer window. However, the software should be installed in the default, or recommended folders.

Both the TLA software and iQ-VIEW are time limited full function trial versions. A full licence will need to be acquired to use the programs beyond 30 days. The activation license must be obtained separately from TLA or Image Information Systems (for IQ-VIEW). Details of the process to acquire the license appear at each start-up while using the trial versions, or in the help files in each program. Further details can be obtained from the respective web sites.

To create the activation code machine specific details are required. As TLA and IIS are separate companies, the process differs slightly for each program. IIS uses a computer footprint and details are provided in the user manual accessible from the opening screen. TLA requires the data (.dat) file created during the installation process. This needs to be sent by emails or fax to TLA, and the full version activation code can be provided. The address to send the details is obtained by running the registration process on start up. Details on pricing for each program are available on the respective web sites.

iQ- VIEW - <http://www.image-systems.biz>

TLA software (TLA Generator, TLA viewer) - <http://www.rubamas.com>

With respect to iQ-VIEW there are several different forms of licenses:

1. a full license of iQ-VIEW,
2. a full license of iQ-VIEW PRO,
3. an evaluation version of iQ-VIEW / PRO, and
4. a demo version of iQ-VIEW PRO for resellers and distributors

iQ-VIEW also has a 3D image creation program (iQ-3D) as part of the trial version. Details should be obtained from the IIS web site www.image-systems.biz , or the manual available on the opening window of iQ-VIEW and IQ-3D.

4. Help files and contact.

iQ-VIEW contains an extensive manual on use for both iQ-View and iQ-3D.

Under the help menu in TLA Generator and TLA Viewer there are tutorials in PowerPoint [™] as well as help files.

Problems specific to a particular program that cannot be resolved by reference to the provided information and instructional material should be directed to the appropriate contact that is indicated below, or on the relevant program or web site.

True Life Anatomy (RuBaMAS Pty Ltd) – TLA Generator, TLA Viewer
info@rubamas.com

info@truelifeanatomy.com

Telephone (24 hours / day answering service):

1300 558 659 (for call within Australia)

Int + 61 8 8239 8126 (International calls)

Facsimile: Int + 8 8221 16766

IMAGE Information Systems – iQ-VIEW / iQ-VIEW PRO / iQ-3D

info@image-systems.biz

Telephone:

USA (08.00 – 112.00EDT) +1 213 221 20 89

United Kingdom (10.00 – 1600 GMT) +44 207 183 47 20

Germany (09.00 – 17.00 CET) +49 40 600 201 296

Problems related to downloading or the integration of the programs should be directed in the first instance to the RuBaMAS contact or help line.

Problems of printer performance, monitor configuration and hardware upgrade should be directed to an appropriate hardware vendor.