
Introduction

This viewer is light-weight tool to examine a series of DICOM image files, possibly with ROI contours when each such series is located within a separate directory.

Build and Usage

At this stage the program requires **Qt 5.3** and a Linux environment (version 5.3.2 was used, perhaps slightly older ones work also). While it has the potential for true multi-platform usage, a few changes are still needed for removing Linux specific dependencies (e.g. the module reading the DICOM files).

A standard Qt build process is needed hence running the next two commands in the `src` directory will do the build:

```
qmake; make;
```

If successful, the executable should be visible at `src/.rel/dcmview` for the default, release mode build.

Usage

The viewer can be used by adding on the command line the directory where the DICOM data is located. Once the UI is shown and data loaded, press '**F1**' for a brief list of controls.

e.g.

```
dcmview dir_name
```

ToDo's

At this stage there are many useful future features to consider in addition to the multi-platform support mentioned before. While there is little point to create an extensive list, a few items are mentioned below:

- Support for loading directories from the UI.
- Enhanced histogram and color/gray curves controls.
- Extensions for the rudimentary 3-D view.



Dec 4, 2014
