EN • QUICKVIEWER 3D MODULE user guide

QuickVision addendum 2016 • Version 01, 07 January 2016

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Language of original document: English.

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1 Introduction

Thank you for choosing **OWANDY RADIOLOGY** device. The present guide contains a detailed description of all operating instructions and procedures for a correct use of the module Quickviewer 3D, as well as all specifications relating to digital image treatment.
We are in any case at your complete disposal for any additional information you may require, as well as for any suggestion aimed at an improvement in the device performance or in the service landed.

The instructions and information in this guide are aimed at supplying the general knowledge of this imaging software module to get a safe, correct and efficient use of your equipment.

2 Description of menu

2.1 File menu

- **Exit**
  This menu quits the application.

2.2 Information menu

- **DICOM information**
  This menu shows the volume information: patient's name, patient's birth date, patient's sex, acquisition date and exposition information.

2.3 Help menu

- **Help**
  This menu shows this help file.

- **About**
  This menu shows the version number of QuickViewer 3D.

3 Description of Toolbar

Decrease zoom

This button permits to zoom out the selected 2D cross view.

The selected view is surrounded by a white frame. To change the selected view, click on the view with the mouse, using the right or the left buttons.

To decrease the zoom on the 3D rendering window, use the mouse wheel.

Increase zoom

This button permits to zoom in the selected 2D cross view.

The selected view is surrounded by a white frame. To change the selected view, click on the view with the mouse, using the right or the left buttons.

When the zoomed image is greater than the frame, you can translate it moving the mouse while the mouse left button is pressed.

To increase the zoom on the 3D rendering window, use the mouse wheel.

Display the image on full frame

This button permits to adjust the selected 2D cross view to the size of its frame.

The selected view is surrounded by a white frame. To change the selected view, click on the view with the mouse, using the right or the left buttons.

Change the axis planes display

This button permits to choose between three different X-Y-Z (sagittal-coronal-axial) planes displays in the volume rendering. By clicking on this button you can choose between full planes, contours of the planes and no planes.

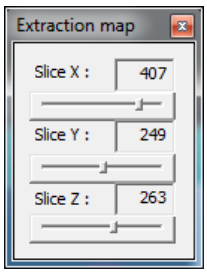
Enable/disable the cross plane mode

To compute cross-transversal and cross-longitudinal views from the 3D data, follow these steps:

- Click on “Enable/disable the cross plane mode” button to activate this function. The button will be now displayed “pressed”.
- Zoom the axial view in or out if needed.
- On the axial view, select the first point of the cross-transversal segment.
- On the axial view, select the second point of the cross-transversal segment.
- The sagittal and coronal views will be replaced by the cross-transversal and cross-longitudinal views. The cross-longitudinal view is computed in the middle of the two points selected.
- Clicking again on “Enable/disable the cross plane mode” will deactivate the cross plane mode.

4 Description of Tools

4.1 Extraction map



You can select the sagittal, coronal and axial slices by selecting them in the "**Extraction map**" tool, using the mouse or the keypad arrows.
Another way to change the current slice of the selected view is using the mouse wheel.

4.2 Export

QuickViewer 3D has to be launched by QuickVision imaging software. Thus you can export any of the views to QuickVision database by clicking the right button of the mouse on the view you want to export.

Note: this function will work only if 2D and 3D QuickVision folders are in the same folder: XRAY and XRAY3D folders must be subfolders of the same parent folder.

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