

Luxsonic Project –Incremental Deliverable Features

ID1

- Build project successfully using build infrastructure
- Look around 3D environment that contains generic objects, headset calibrated correctly
- Interact with an object in the environment using:
 - Mouse
 - Keyboard
 - Controller (if department has the hardware)
- Load a sample DICOM image and display it
- Crude 3-monitor display prototype

ID2

- Better, rebuilt 3-monitor display (using best practices)
- Interact with monitors to
 - Move them in space
 - Close and open monitors
 - Resize monitors
- DICOM image filesystem
- Crude anti-motion-sickness/eyestrain features

ID3

- Open and close image files from filesystem
- Cycle through DICOM images (depth, animation?)
- Program UI
 - Quit
 - Options
 - New Workspace etc.
- Save/load representation of workspace
- Improved anti-motion-sickness/eyestrain features
 - Field of View adjustment

ID4

- Render 3D volumetric scans
- Toggle 2D/3D display mode

ID5

ID5 will have no scheduled additional features at this time. The main focus of this deliverable will be to polish the features from other deliverables—this time is slack to accommodate the inevitable delays in completing previous features.