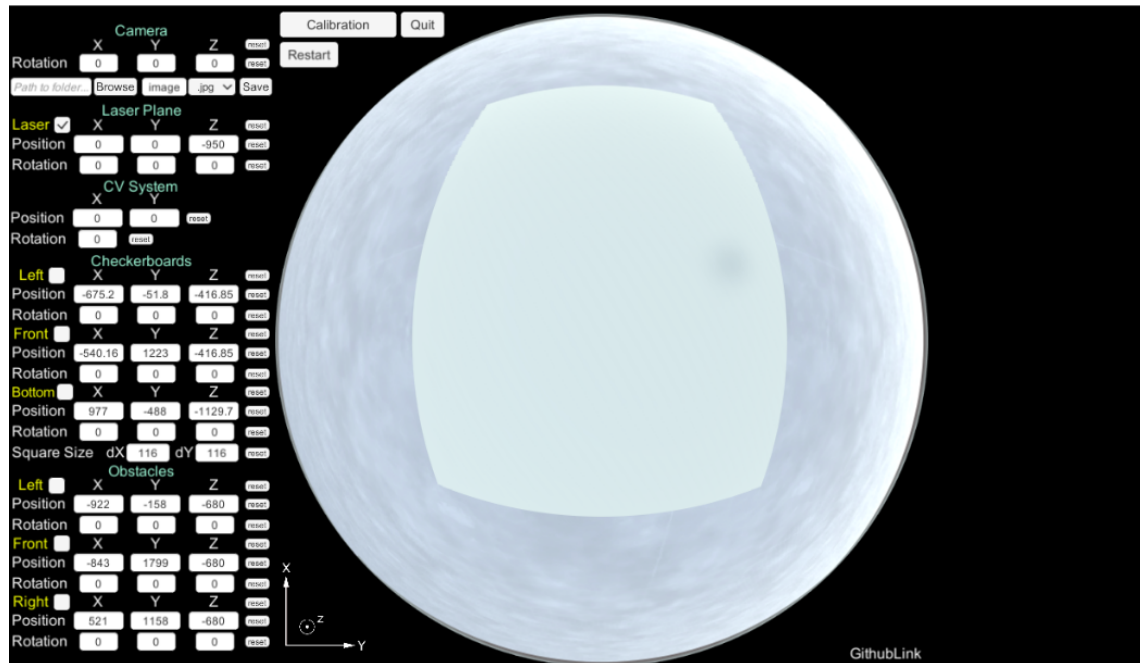# HOW TO USE

Main Screen

Button "Calibration" – open calibration screen; Button "Quit" – Quit App; Button "Restart" – Reset all of the settings.

First of all, It must be mentioned that camera is the center of the vision system with the coordinates (0,0,0) and all of the measurements are carried with regards to the camera. Main screen has panel with the settings of the system's elements. Some parameters are designed in a similar way. For example, you can set desirable location (in millimeters) and orientation (in degrees) by blocks Position (set value along corresponding axes) and Rotation (set roll, pitch, yaw). You also are able to revert all of the changes associated with the corresponding parameter to the initial state by clicking to the button "reset". By toggle Laser ☑ it becomes possible to show or hide interested object.

Now let's have a look to the different settings of the sections which don't have common information which were mentioned above:
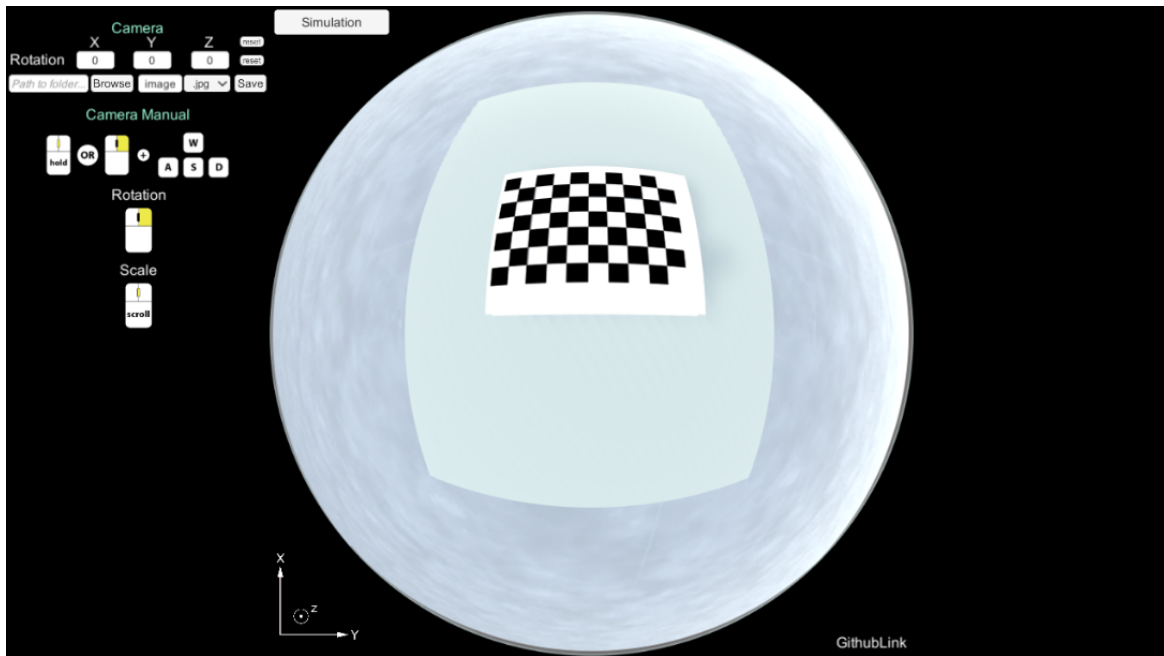
Camera	In that section you can take screenshot, firstly set path to the folder by typing it or just clicking "Browse" button, secondly you can change default name (image) and choose image extension (.jpg or .png), finally click the button "Save"
Checkerboards	Here is also mentioned size of the square along X and Y axes in millimeters

Calibration Screen
Use this screen in order to calibrate the camera

How to move the camera:

Motion	Hold mouse wheel and move mouse itself. On the laptop you can hold right mouse button + W/A/S/D on the keyboard
Rotation	Hold right mouse button and move mouse itself
Scale	Scroll mouse wheel

The rest part of the sections has the similar description:

Camera	In that section you can take screenshot, firstly set path to the folder by typing it or just clicking "Browse" button, secondly you can change default name (image) and choose image extension (.jpg or .png), finally click the button "Save"