Assignment 2 (Due: Dec. 11, 2016)

1. (Math) In the augmented Euclidean plane, there is a line \( x - 3y + 4 = 0 \), what is the homogeneous coordinate of the infinity point of this line?

2. Programming. In this assignment, you are required to implement the bird’s-eye-view generation process as discussed in our lecture.

The GUI of your software can be configured as the above figure. After pressing the button “Generate bird’s-eye-view”, the program will capture a snapshot of the scene, create the corresponding bird-view image, and finally display it on the right pane.

We will setup two hardware kits. For assignment check, you need to contact the TA and book a time slot.