

ECEn 490 – Quadrotor Project

Vision Group

Assignment 3

Purpose: To automatically recognize and localize objects of a specific color

Projects:

1. Automatically detect an object of a given color in video frames as they are received
2. Automatically detect at least two objects of different colors in video frames as they are received
3. Compute the center point of those objects in the frame

To pass off, demonstrate to the TAs that you can use your camera to capture images and you are automatically detecting at least two objects of different color, together with their location in the image.