CIS431

Term Project

Tea-mage Detector

Interim report

During the past few days, we have been doing lots of researches and building some example codes for our project. We found out how to detect selected image from the video, how to divide videos by each frame, and how to select and capture the part of the video and track it by frame. We have used some built-in libraries but haven’t yet decide which algorithm to use for our detecting function. We want to talk with our professor before we move on.

There are two options, the first one is, we capture some object from the video itself or input image to the video, and tracking how many frames it has been showing. Other way is, we input image file and do the image matching by each pixel to find out exactly the same image. We want to get confirmed if either way is fine. However, we also need to ask about when we are doing the object detecting, is it okay to just detect one exact object from the input image, or we need to detect all the objects from the input image. Which means if the input image is containing a car, will it need to detect all cars (even though different design of the cars) or is it okay to just detect the same car from the input image?

After we talk with our professor and decide which algorithm and method we are going to use, we will finish our image detecting part and start working on the parallel computing.