

Project Name: License Plate Number Recognition

Group Name: Lamborghini

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Project Description:

In this project, we will try to detect and recognize license plate number from unprocessed images like the one shown below.



Before diving deep into the project, after some research we think there are several ways to complete the task. Here are two of them.

1. We use MATLAB to complete detection for the position of the license plate, then output the processed image containing licenses plates only. This process may include image segmentation, blob detection we have learned in class and other techniques not covered yet. Then we will use these processed license plate images as input to a CNN, which will output the license plate number eventually.
2. After talking to Siyuan, she suggests that we can use a more complex CNN to complete both detection and recognition. The input becomes the unprocessed images and the output is still the license plate number.