

Introduction

We started the project this week and focused mainly on getting some segmentation and recognition to work.

License Plate Recognition Project

Image Processing, TI2716-B, TU Delft

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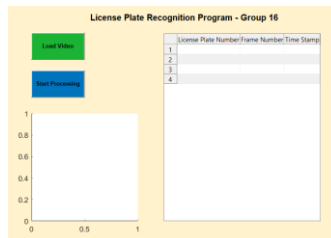
Prototype 1 - 12-1-18

Recognition

So far we have not really started the recognition, we have tried some different methods with bounding boxes and labelling but so far that didn't really work so we'll continue this next week.

GUI

We created a GUI with two buttons, Load video, which will load the video into 'axes1' and a button Start Processing, which will start the video and start recognizing plates. There is also a table in which the results will be printed. We have not yet created the functionality for this since we first wanted to focus on the actual recognition coding.



Segmentation

We use a Sobel operator to get the license plate out of the background. We then use dilation and erosion and the difference of those to get only the edges in the license plate.

To show an example, if we take in this photo:



This is the plate that is detected:

