

License Plate Detection of Vehicles

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Aim

Objective

To locate automatically the license plate of a vehicle from the video of a surveillance camera and predict its letters.

Pipeline

- Detect the vehicle by subtracting the background
- Find contours in each frame
- Locate an area having maximum children contours and also having small euclidean distance from outer contour

Finding Contour



Finding Contour



(a)



(b)

False Positives



(a)

(b)



Further Improvements

- Limiting the size and shape of parent contour
- Feed the result to OCR to get exact characters

Thank You