



# CAR NUMBER IDENTIFIER

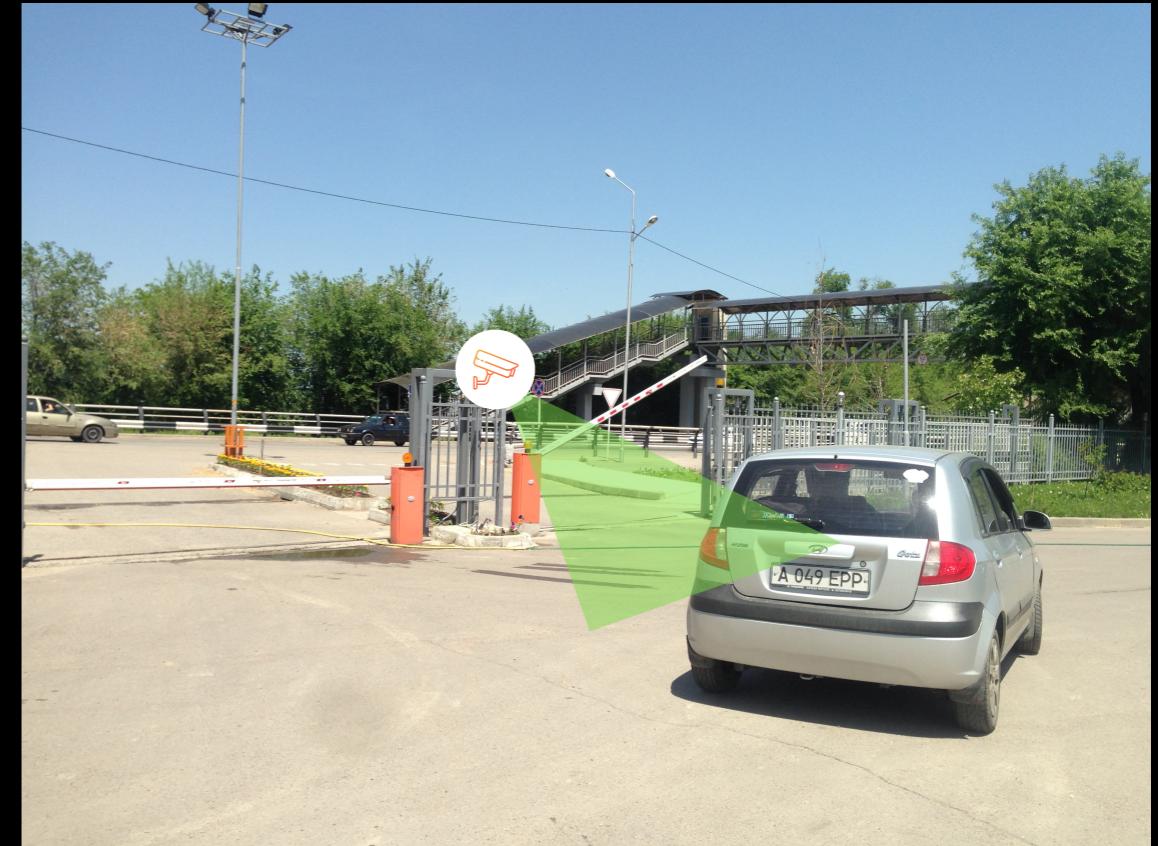
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This program identify the car number, by the picture of the car shot on a camera. This can be used for security purposes, to decide whether to let the car in or not.

Detects the car number



If the number is in base opens the gate



# HOW IT WORKS



- 1** Preprocess the original image



- 2** Grayscale the image to make it easy to identify contours



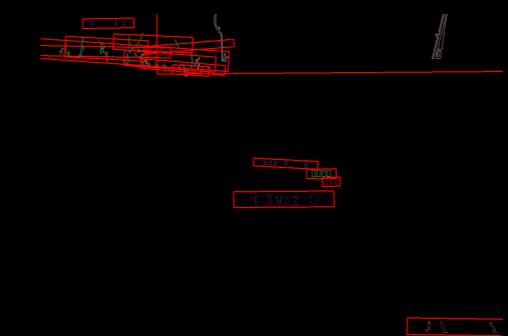
- 3** Add threshold to eliminate noises from the image



- 4** Take the counters of all the possible characters



- 5** Reduce the number of possible characters by filtering with predefined parameters



- 6** Detecting all possible plates by bordering the possible characters



- 7** Matching contours with characters



- 8** Take the plate with max value of characters and write it to the original image