Abstract

Automated License plate recognition is technology used in traffic management techniques allowing us to recognize identity of a vehicle through its registration plate information usually by videos or still images. It can be used for Parking assistance, automatic toll collection, vehicle theft management etc for improving manual traffic management error rate. In this paper we are proposing a method for implementing Automatic License Plate Recognition using Speed up robust feature matching SURF technique for plate detection and Advanced Radial basis function for matching characters. Simulation through popular tool Matlab ver 2011 shows 95% correctly detected plates and over 90% of character matching.

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Index Terms

Computer Science          Pattern Recognition

Keywords

ANN  Neural  RBF  ALPR  LPR  recognition  Computer vision  Radial basis function
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automatic toll collection
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