Novel Technique for Number Plate Detection and Recognition

International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

Volume 182
-
Number 6

Year of Publication: 2018

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10.5120/ijca2018917570

Abstract

In this work, it is been concluded that various techniques of car number plate recognition is reviewed. The Automatic number plate recognition (ANPR) is a mass reconnaissance strategy that utilizes optical character recognition on images to peruse the license plates on vehicles. They can utilize existing shut circuit television or street principle authorization cameras, or ones particularly designed for the errand. They are utilized by different police powers and as a strategy for electronic toll gathering on pay-per-use streets and observing movement action, for example, red light adherence in a convergence. ANPR can be utilized to store the images caught by the cameras and additionally the content from the license plate, with some configurable to store a photo of the driver. Among various proposed techniques morphological scanning technique is efficient technique to scan the whole image and extract number plate portion. The second efficient technique is split-and-merge segmentation to segment whole detected number plate. The segmented number plate is recognized using the neural networks. The discussed technique provides 91 % accuracy of character reorganization.
References


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Index Terms

Computer Science Pattern Recognition

Keywords

Number Plate Detection, image processing