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REVIEW OF LICENSE PLATE RECOGNITION (LPR) USING EDGE DETECTION

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ABSTRACT

The detection of license plate region is the most important part of a vehicle's LPR followed by plate segmentation and optical character recognition. LPR is the extraction of vehicle license plate information from an image or a sequence of images. The extracted information can be used in may applications such as intelligent transport system, identification of stolen vehicles, law enforcements, traffic control etc. The proposed methodology consists of five steps - Preprocessing, edge detection, license plate localization, character segmentation, character recognition. Presently, among multiple techniques of image segmentation available, but there is no one single technique that is suitable to all the applications. In this paper, we present a comprehensive review of license plate recognition. Future forecasts of LPR are given at the end.

KEYWORDS: License Plate Recognition, Edge Detection, Vertical Edge Analysis