A License Plate Reader using AVR Microcontroller

Abstract

License Plate Recognizer is an efficient and effective system to identify the vehicles. In this paper we represent the simple and effective technique to identify the Indian license plate. This Proposed system consist tree steps, first is extraction of license plate from a captured image by camera. Second step is segmentation of the character from number plate and extract. And the last step is recognizing the characters and display it informs of text. So in this paper for first step used technique is morphological operation, for second step we used histogram to extract the numbers. For recognition we used the template matching by cross correlation between extracted character and database. At last to display recognized number plate at long distance on the LCD display AVR microcontroller is used.

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- An Efficient Method of Vehicle License Plate Recognition Based on Sliding Concentric Windows and Artificial Neural Network Kaushik Deba, Md. Ibrahim Khana, Anik Saha, and Kang-Hyun Job aFaculty of CSE, Chittagong University of Engineering and Technology (CUET), Chittagong-4349, Bangladesh Faculty of Electrical Engineeringe and Information Systems,University of Ulsan,Ulsan-680749, South Korea

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