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Number Plate Detection of a Moving Vehicle

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Abstract: *In this paper, in addition to monitoring structures, video surveillance devices are utilized for safety reasons. However, detecting moving objects is a difficult aspect of video surveillance. Human activity detection and monitoring are becoming increasingly popular as the costs of high-end video surveillance systems have decreased. As a result, while automatic structures were created for a variety of detection tasks, the duty of identifying illegally parked autos was mostly left to human operators of surveillance structures. The version utilizes W-POD Net to recognize the License Plate from an image or video, and the discovered registration code is used for the person's reputation using the CNN algorithm. The detected license plate is recorded in the database..*

Keywords: Background estimation, License plate recognition, Surveillance System, Tracking; Vehicle detection, Video indexing

REFERENCES

[1]. Christos Nikolaos E. Anagnostopoulos, Ioannis E. Anagnostopoulos, Ioannis D. Psoroulas, Vassili Loumos, and Eleftherios Kayafas, License Plate Recognition from Still Images and Video Sequences: A Survey, vol. 9, no. 3, pp. 377-391, 2008.
[2]. H. Erdinc Kocer and K. Kursat Cevik, "Artificial neural networks based vehicle license plate recognition," Procedia Computer Science, vol. 3, pp. 1033-1037, 2011.
[3]. Christos Nikolaos E. Anagnostopoulos, Ioannis E.Anagnostopoulos, Vassili Loumos, and Eleftherios Kayafas, "A License Plate-Recognition Algorithm for Intelligent Transportation System Applications," pp. 377-392, 2006.
[4]. Anton Satria Prabuwono and Ariff Idris, "A Study of Car Park Control System Using Optical Character Recognition," in International Conference on Computer and Electrical Engineering, 2008, pp. 866-870.
[5]. You-Shyang Chen and Ching-Hsue Cheng, "A Delphi-based rough sets fusion model for extracting payment rules of vehicle license tax in the government sector," Expert Systems with Applications, vol. 37, no. 3,pp. 2161-2174, 2010.
[6]. A Albiol, L Sanchis, and J.M Mossi, "Detection of Parked Vehicles Using Spatiotemporal Maps," IEEE Transactions on Intelligent Transportation Systems, vol. 12, no. 4, pp. 1277-1291, 2011.

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