

A REVIEW ON DIFFERENT APPROACHES TO EFFICIENTLY DETECT AND RECOGNIZE INFORMATION FROM TRAFFIC PANELS

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ABSTRACT

Text detection and recognition has been a major area which is studied for a long time. Traffic signals are assets that are crucial for safe transportation. Computer vision techniques applied to systems used on road maintenance, are playing a major role because of its importance. Reading text in natural images has gained the attention of many researchers during the past few years there is a huge availability of cheap image-capturing devices in low-cost products. The importance of automatic inventory of the traffic panels located in a road to support road maintenance and to assist driver is increased. The detection of the texts with random orientations from traffic panels has become an increasingly important and yet challenging task because of its huge variability. To address this problem, different techniques have been proposed and to classify the related algorithms. This paper provides an explanation of work done for automatic detection of text from images, localization and extraction of text from the traffic panel images having complex backgrounds..

KEYWORDS: Text detection, Computer Vision, Textual Information, Traffic Panel Localization