DEVELOPMENT OF A CAR LICENSE PLATES AUTOMATIC RECOGNITION SYSTEMS

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The massive integration of information technologies into various aspects of the modern world has led to the fact that vehicles are considered as resources in information systems. Since an autonomous information system is meaningless without any data, there is a need to reform vehicle information between reality and the information system. A car license plate detection and recognition automatic system can act as intelligent equipment [1].

Car number plate automatic recognition system is used to detect license plates in car images, and then do license plate recognition, that is, it should extract the characters shown on the license plate (numbers and characters of Chinese, Ukrainian or/and Latin alphabets) [2].

The license plate recognition and reading system is an intelligent system that can be applied in many areas (parking, traffic management, detection of violators, pre-sale inspection of used cars, etc.) [3-5].

Taking into account the listed factors, there is a need to develop new and improve existing algorithms for the detection and recognition of autonomous vehicles.

This report analyzes the problems of applying car license plate automatic recognition systems. The main existing systems of recognition of autonomous vehicles are considered. Special attention is paid to one of the most modern methods using Machine Learning technology.

References

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