

Research and development of a license plate recognition system in complex environmental conditions using deep learning.

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Abstract: This topic focuses on researching and developing an automatic license plate recognition system in complex environments, aiming to address issues in modern traffic management. By applying advanced deep learning methods, the goal is to build a system capable of effectively handling challenges such as bad weather, low light, and unfavorable viewing angles. The research methodology includes both theoretical analysis and experimental implementation on real-world data. The expected results from this topic will significantly contribute to improving the quality of traffic management as well as public security and order.

Keywords: License plate recognition, deep learning, complex environment