

Building a license plate recognition program

Ha Huu Thai

Abstract: In current practice, managing and monitoring traffic flow using license plate recognition technology has become important. This topic focuses on building an automatic license plate recognition system using machine learning techniques to support authorities in traffic management and social security. The research method combines theory with experimentation, including data collection, image preprocessing, recognition model design, and system testing. The project is expected to bring significant improvements in automating traffic flow management, thereby contributing to enhancing the efficiency of urban traffic management.

Keywords: License plate recognition, machine learning, image processing, traffic management, social security