

Design of a traffic monitoring system

To Xuan Hung

Abstract: In the context of increasing vehicle traffic density on urban roads, designing and deploying an effective monitoring system has become an urgent requirement. This project aims to research and build an intelligent monitoring system for traffic vehicles, using a combined theoretical and experimental approach. The system is expected to utilize modern technologies such as AI cameras and artificial neural networks to analyze video data and recognize vehicles. The project is expected to contribute to improving operational performance and traffic safety, while reducing energy consumption and environmental pollution.

Keywords: Surveillance system, Vehicles, AI, Camera, Energy