

Building an intelligent security monitoring system based on deep learning

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Abstract: In practice, the need to improve efficiency and accuracy in security management through technology has become crucial. This topic focuses on building an intelligent security monitoring system based on deep learning to address this issue. The research methodology includes both theoretical and experimental approaches, aiming to ensure the system can automate the process of identifying and classifying dangerous situations from video data. It is expected that the deployment of the system will bring significant benefits in various application areas, such as public security, traffic safety monitoring, and corporate security management.

Keywords: Deep learning, Security surveillance, Video data, Automation, Public security