

딥러닝 AI를 이용한 침입자 통제 및 철도 시설 보안 시스템

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초 록 In recent years, there has been rise in terrorism activities with the targets being mass public facilities including the trains and train stations threatening public safety. This paper demonstrates the development of a security system to identify the intruders in real time. The system integrates AI and computer vision in microcomputer to identify intruders. The live video data from CCTV cameras installed in security zones is analysis using deep learning analysis to detect intruders and inform security department in a real time via SMS to assist in appropriate actions and follow-up. The system showed a response rate of 1 second range in experiments with plastic human models, and better recognition accuracy were achieved using real human instead of plastic models.

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