

Abstract: Dual Monitoring Tracking System for the Protection of Children

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Abstract

According to the statistics of national police agency, children are accounted for the high percentage of the reports on the damage from the crime of kidnap. Child protection means all types of service and program that society or adults can do for children in order to promote their healthy growth and development process. The balance and harmony in surveillance and privacy protection is one of today's sensitive issues. Current CCTV is permitted on the premise of the clear notification, when used as legal purposes of policing, security, transportation, and etc. In this paper, for the prevention of child crime, wide-area surveillance cameras and PTZ cameras with the high magnification were used at schools, apartments, and playgrounds. The system tracking and monitoring abnormal face using the AdaBoost algorithm was proposed. In the Method for detecting abnormal face by the use of method to move the center of the whole image 95.5% of the abnormal facial recognition rate and the average speed of 17 frames of abnormal were obtained. It is considered that this system will help to prevent crime through the detection and tracking face of intelligent offenders who are emerging as the serious social problem.

Acknowledgement

This research was financially supported by the Ministry of Knowledge Economy (MKE), Korea Institute for Advancement of Technology (KIAT) and Honam Leading Industry Office through the Leading Industry Development for Economic Region.