Multiple objects tracking in a multi-camera video surveillance system

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ABSTRACT

"Visual" is the most important perceptual system for human, and also most believe the message from visual. The majority of company, organization, community, and in the common house, that can see the "surveillance system" in many place. For the purpose of construct the intelligent environment Of visual Technologies , the focus in our research is multiple Indoor Security Monitoring. In order to detection and tracking the multiple moving object ,we use multi-camera to get the picture at difference position and angle ,and select the clearest picture automatically , recording the moving condition of object .We divide three part of our research, first, if there have multiple moving objects and the occlusion happened , the camera will hand off and get the best picture to track ; the second part , when moving object across two adjacent place , they will be tracked ceaselessly;the last part is similar to the second part, but they have difference brightness in two adjacent place.

Keywords : Multiple Camera, Occlusion, Video Surveillance Systems, Moving Object Detection

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