A STUDY ON IMAGE PROCESSING TO IMPLEMENT A HOME SECURITY APPLICATION

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ABSTRACT

This project addressed issues related to safe-box security in i-home. This study area will focus on image processing components and concepts. The author will demonstrates on how to catch and process the image when there are changes (for instance, a new found object appears on the captured image) on the captured image. The system can detect the objects which not in the original location (focus on a stable environment such as a room with coordinated lighting). If something (for instance, people or animal) goes into the sight of the camera, the system will alarm the police or inform the user. The system will also catch the images and save it into database. Microsoft Visual C++ 6.0 would be the most appropriate tool to develop the image analysis of the application, and Microsoft Access 2003 is used to implement the database of the application.

B.SC. (HONS) IN COMPUTER SCIENCE