MPEG-4監控系統之研究

范志海,黃柏程

機械工程學系

工學院

fan@chu.edu.tw

摘要

In this dissertation, we construct the real-time image tracking on use PC-based platform and use image process. The position of the moving object is obtained by use the image process. The motor is controlled to track the object, it only takes 0.14 seconds. Use Webcam to put forward intact MPEG-4 digit surveillance system to environmental monitor. Sound and image make with independently and combine controlling. This system can reduce systematic resources in a large amount, Let surveillance system time be longer.

The experiments of this system are also includes two parts. The first part is image tracking. The image to find the center location by used image binary, image subtraction, prewitt edge detection and object moving edge method in images. The system finds moves objects only takes 0.14 seconds. The second part is MPEG-4 surveillance system, Set up digit surveillance system of complete, The system have divided into four parts: retrieve, play, integrate, save to image. The system can be operated independently. Therefore the surveillance image and record video store are obtained.

關鍵字:Image tracking ,Image process
,MPEG-4,Digital surveillance system