

# 使用JPEG2000 之遠端影像監控系統

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## 摘要

This research is to establish a real-time image tracking and image transmission system by using PC as a development platform and using image process methods and internet transmission technique. The object's moving edge can be obtained through image process of two consecutive images; so the center of the moving object is found. Then the camera base can be controlled to follow the object. In order to compress the images for internet transmission, the JPEG2000 compression standard is adopted. The experiments of this research are also includes two parts. The first part is about image tracking. The position of the moving object is obtained by using the image process. Then the motor is controlled to track the object. The second part is about image transmission. The files of the JPEG2000 format of the images from the camera are transmitted to the remote user; therefore the remote control and remote image store are obtained.

關鍵字：Image tracking, JPEG2000