影像追蹤系統之研究

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摘要

In this dissertation, we construct a real-time image tracking system by using a PC-based platform and image process techniques. The position of the moving object is obtained by using the moving edge method of image process and the camera is controlled to track the object. The center location of the object can be found by using image binary, noise reduction, prewitt edge detection, image subtraction and horizontal axis projection techniques. The base of CCD camera is then controlled to track the moving object. The adopted method reduces the image noise and efficient computer programming speeds the object recognition.

關鍵字：Image tracking、Image process