

Moving target detection system based on ZYNQ

Moving target detection system is an indispensable part of intelligent transportation and intelligent monitoring system. It is of great significance to study moving object detection system with small volume, low power consumption and good real-time performance.

This system is based on Zedboard platform, using software and hardware co-design method, gathering video capture, image processing, video output into an embedded system, and using Vivado HLS tools to design and package image preprocessing, moving object extraction and morphological processing algorithms into hardware IP, to achieve real-time detection of moving objects. Extraction.



