

ECE511 – Microprocessors – Fall 2014

Project Team:

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Project Proposal: Motion Detection Camera

The purpose of the project is to build a Motion Detection Camera in a cheapest possible way. For every system we mainly require three blocks: Input, Processing unit and Output. In this project we are using an Infra-red sensor as an Input, MSP430 Microprocessor as the Processing unit and a Camera as an Output.

Operation: The infra-red sensor detects the motion of any object or animal and then sends out a signal to the processor saying that the object is detected. Now the processor uses the Clocks and Timers and Interrupts to generate a signal for camera to capture the image.

Components:

1. Infrared Sensor.
2. Mini digital Camera.
3. MSP430 launch pad.