

Open Source Home Security System

Allen Chu¹

Abstract: The monthly cost of keeping a home security system can be costly for people with low income. This project design is to provide an open source home security that will allow for an affordable and customizable system. This security system will operate with a wireless network setup that will provide an alarming detection of any incidents that occurs. The security system will include the electric hardware for motion detection, Hall Effect detection, and temperature and humidity detection.

Keywords: wireless, sensors, home security, open source.

Author:

Allen Chu - Electrical Computer Engineering Senior at Christian Brothers University

¹ Allen Chu 8922 Alana Cove Cordova, TN 38016 achu@cbu.edu