Abstract

The smart home system can be defined as a process or a system. Compared with ordinary household, the smart home not only has the traditional residential function, it also provides high grade safety and comfortable delightful family living space. This system is based on the core device of the STC89C52 MCU and MQ-2 smoke sensor, in the form of short message to implement the fire alarm and remote control, home security supervision. The system uses temperature sensor, infrared sensor, and gas sensors to ensure house’s security. Once abnormality occurred, it will send a message as alarm to the house-owner. And by the remote control of turning on the light and sound recording to simulate the effect of someone in the house, the thief will give up stealing.

References


**Index Terms**

- Computer Science
- Wireless

**Keywords**

Smart-home: Fireproofing and security system; MCU.