

Abstraction

The advance of technology really helping the mankind's activities in the daily life now days. For examples, in the safety of treasure, houses, dan etc, human often using the CCTV as monitoring camera. Even almost in each places in earth using the cctv for their solution to ensure the safety of their valuable things. However, even with the CCTV unable to preventing and stopping the theft crime. The thief often manipulating the cctv's camera so the camera can't recording their crime. Even though recorded, most of crime cases can't be solved. The other reason is, the users need to watch 24 hours a day in a monitor for their CCTV in case of safety. This is absolutely obstacle for the user who have many schedules for their works. Because of that, the technology like microcontroller hold the most important role. In this case, the microcontroller like AT-mega 8535 can be transformed to an anti- thief alarm that have capabilities to detecting an object that classified as thread and send a fast warning through the SMS and calling to the user's phone number everywhere. With the combination of 2 smart sensors and a modem, consist of one of PIR sensor, and one of Ultrasonic sensor completed with a fasttrack modem. With this alarm, the user can rest and work quietly. This Alarm hoped can be the technology that can help the human life in their daily life especialy in case of safety of their houses and their treasures.

Key words : Alarm, Ultrasonik sensor, PIR sensor, *fasttrack modem* , CCTV, theft, Microcontroller At-mega 8535.