

ABSTRACT

Every year, development of technology is growing, for example security technology available. Technology development also coupled with a growing crime occurred. As crime in a residential neighborhood and shopping district. To minimize the chances of such a crime we need a good security system. The Security System is divided into two, namely the security system user, system security is controlled manually by humans and does not involve technology, as well as lock up the house with a padlock and hold siskamling home surroundings and the other is a system of automatic security, security system is controlled automatically with technology where the security process is done by installing sensors or surveillance cameras in place necessary for monitoring.

With the increasing number of crimes, the use of automatic security system I think is most needed at this time apart from the cost that is not too expensive and how you use that is not too complicated. Thus the authors will make an automatic security system for an existing room in the house using surveillance cameras that can move 360°.

Surveillance Camera 360 ° this work using MLX90614 sensor to detect objects in which the sensor body temperature measuring object and output from these sensors are sent to a DC motor to rotate the camera to point to the object.

Keywords: DC motor, Arduino, Sensor MLX90614