ABSTRACT

Security is an important thing to create peace, because if security is not good in maintaining ownership, life will not be peaceful. That's why security is a priority in our daily life. Whether it's taking care of yourself or others. Several companies have created a tool that serves to maintain security such as CCTV. But sometimes cctv is not enough to maintain security which only records every activity that is outside. On this occasion the researchers made a tool that is able to detect a movement that can reach up to 165 degrees with a range of up to 12 meters using a TFMini lidar sensor and a servo motor as an actuator. To see the output of a movement, researchers use processing which will process data from Arduino to be processed as a moving image in the form of radar.

Keywords : Security, Cctv, TFMini Lidar, Servo