ABSTRACT

One of the problems in the field of security is to get information on the criminality doers. In some hostage cases, the perpetrators' information is still difficult to obtain. Based on the problem, the development of the camera for monitoring and control of the Recon Robo use face detection. The robot is built with Raspberry Pi, webcam and LED. OpenCV is used as a library in image processing. Based on the tests that have been done, the Recon Robo can detect faces. When Recon Robo detects a face, the motor in Recon Robo will move to follow the face.

Keyword: Face Detection, Image Processing, Raspberry Pi.