Abstract

Earlier intrusion detection systems included manpower, but in this paper an automatic system has been proposed which detects the intruder and recognizes it also. An ultrasonic sensor has been interfaced with an Arduino which detects an intrusion. For intruder recognition, object detection classification has been performed. This method includes both computer vision and machine learning for testing and training of data. Hence this proposed method uses technology which is new and growing.

References

Intruder Detection and Recognition System

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15. Captions should be Times
Intruder Detection and Recognition System

Index Terms

Computer Science

Security

Keywords

Intrusion detection system, Ultrasonic sensor, intruder recognition, Computer Vision, Machine Learning.