

Surveillance and Motion Sensor Alert System

Aim:

Design and simulate a surveillance system that uses a motion sensor to trigger alerts and record events using Cisco Packet Tracer.

Problem Statement:

Traditional security systems can't always provide instant alerts or remote monitoring for suspicious movements. This project solves that by automatically detecting motion, activating alarms, and recording footage for safety monitoring.

Scope of the Solution:

The system is suitable for homes, offices, or secured areas. It can be scaled to add more sensors, cameras, or actuators, providing real-time alerts and automated recording through IoT integration.

Software Used:

Cisco Packet Tracer

Hardware:

- 1.Door
- 2.Motion Detector
- 3.Webcam
- 4.Siren
- 5.Home Gateway
- 6.Tablet

Simulated Circuit:

