Surveillance System

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1 Introduction

1.1 Context

The goal of this project is to monitor a given area using a webcam. The system designed here should detect any kinds of movement and notify the users. The footage of the webcam is streamed over a network and multiple users can connect to it. They also have the possibility to sign-up for email alerts regarding any issues.

1.2 Specifications

This system can be used on a local network, where the "server" is responsible for the movement detection and video streaming and multiple clients can connect to it.

1.3 Objectives

Design and implement a way of detecting movement on a video feed, stream it and and notify the users.

2 Bibliographic study

3 Analysis

3.1 Movement detection

4 Design

5 Implementation

6 Testing and validation

7 Conclusions

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