



**Ministry of Higher Education and
Scientific Research**

University of Babylon

Information technology collage

Information Security Department

Study: morning



Project Title:

Detect hidden surveillance cameras

Detecting surveillance devices A Graduate Project Submitted to the department of Information Security of the College of Information Technology, University of Babylon, in Partial Fulfillment of the Requirements for the Bachelor's degree in the Information Security of Information Technology.

Student preparation

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Abstract

The use of surveillance cameras to consistently monitor surveillance-required places, such as banks, offices, roads, subways, and shopping malls, has become common everywhere to prevent unfortunate incidents, such as robbery, assault, and homicide. There is a huge proliferation in the development of cameras in terms of different sizes, shapes, functionalities, and applications. Modern technology has made possible cameras as small as the size of a human nail while embedding all the features required for the normal operation of a camera, such as Wi-Fi connectivity, audio support, and high definition visual quality. Moreover, they are available in different packages, such as power outlets, USB chargers, and smoke detectors . Such innovations have permitted its illegal use in many private zones, such as hotel rooms , Airbnb , restroom and changing room , which can expose and record the private moments of the victims. This camera (hereafter called spy camera) surreptitiously records the monitored area and streams the data to the remote storage (cloud storage) or local storage.

Detecting hidden surveillance cameras using mobile device sensors and reading electromagnetic frequencies offers several benefits. It helps protect privacy, enables counter-surveillance, promotes personal safety, and provides peace of mind. However, there are limitations to using mobile sensors, such as limited accuracy, potential false positives and negatives, the need for technical expertise, and legal considerations. While mobile sensors offer a basic level of detection, professional-grade equipment or expert consultation may be necessary for more reliable results.