



# A WHOLE BODY OBJECT TRACKING ALGORITHM FOR DETECTING TRAFFIC IN FACTUAL DOMAIN

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## ABSTRACT

A whole body object tracking technology is keep up for the tracking surveillance system using for video streams in the management of traffic management system. Moving object detection in video cascade is the initial consistent manner of the exaction of the data and information from the computer application format. This process offers the object revealing; face finding, behaviour striking etc. In whole body tracking technology, it only observes and stores the moving part itself. The information can be extracted using high bit rate, middle bit rate and low bit rate video streams from the motion of the object. The object will be detected and stored. That video file is sending to the user mail id and before that the default message will reach the user. In whole body tracking system, GSM modem immediately informs the user by SMS or MMS or through mail.

**Keywords Terms**—Whole body object tracking system, advanced moving object detection, rate bit network, high bit-rate, low bit rate, middle bit rate.

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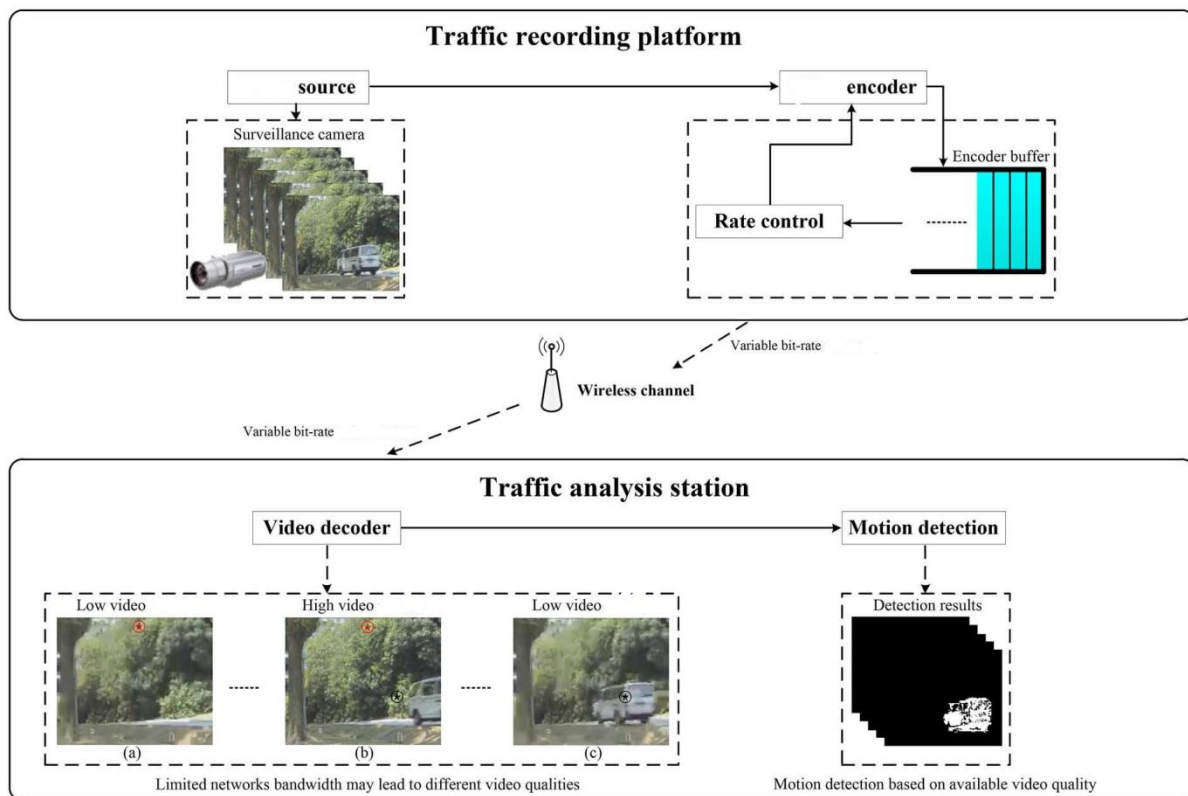
## Introduction

Intelligent video surveillance systems deal with the real-time monitoring of persistent and transient objects within a particular situation or domain. An automated video system and tracking system provides surveillance and provides the security guard of any undesired activity via his cell phone. It would be a promising replacement of traditional human video surveillance system. It provides a high degree of security. In the first part of this overview a number of the most popular commercial intelligent surveillance systems are described. Main solutions which were identified in extensive research of the market as well as systems developed by Moving Partners in the past are included. Subsequently, several so called smart surveillance cameras with integrated visual processing modules are presented.

The specifications which are discussed in the following sections contain a number of quotations from producer technical specifications, advertising materials and other descriptions. To improve lucidity, the quotation marks were omitted, thus the paragraphs encompass a significant number of citations are shaded with grey background.

## Whole Body object tracking System

Intelligent video surveillance systems deal with the real-time monitoring of persistent and transient objects within a specific environment. A low-cost intelligent wireless security and monitoring solution using moving object recognition technology is presented in this project. The subtraction of the current captured image and the background reaches a certain threshold, a whole body object is thought to be in the current view, and the GSM Modem will spontaneously alert the central control unit or the user through SMS/MMS. The classical approaches to detect the object in using whole body tracking system are based on background subtraction. The Estimation of the texture speed has been increased and changed for this tracking system. The object is present in the foreground to show decide region. Track features are essential in this tracking system and more features are added to satisfy the ultimate goal which is memory consumption, Intruder detection and control the traffic.



Whole body Traffic Recording and analysis system

## Conclusion

The problem found in our existing system as high costs and Power consumption in remote areas and Human interaction is needed for monitoring. So that we propose our system as a low-cost intelligent wireless security and monitoring solution using moving object recognition technology is presented in this paper. The whole body object detection is used in transport applications and used in public places. Tracking system sense the human activities keeping it by remote surveillance. The surveillance to obtain certain quality control in many of the industrial process. It is mainly used in military for remote sensing facilities.

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