

■ Revolutionary approach to Traffic Control and Management

■ ITS-TrafficStat

ITS-TrafficStat is a simple highly effective tool for modern traffic control and management without the need for loop detectors. The solution automatically calculates traffic volume, calculates the speed of vehicles and other related information for each lane.



ITS-TrafficStat

■ Applications:

- Round-the-clock traffic flow statistics calculation and analysis
- Vehicle speed control and management
- Detect instant accelerations or decelerations

Area	Count	Speed
1	1125	134
2	1105	130
3	1105	131
4	1119	131
5	1115	130
6	1117	131

ITS-TrafficStat

Voice Triggering: Start VTS, Pause, Setup

System Alert: Accident

User Interface



CCTV camera

■ Features and benefits:

- Able to capture high-speed vehicle images
- No need to install loop detectors
- Supports different kinds of user interfaces
- Cost effective, easy to install and simple to use
- Effectively track target vehicles
- Support multi-lane surveillance



Industrial PC

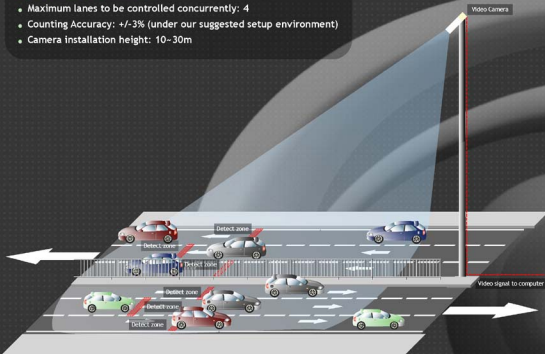
■ Major System Equipment:

- CCTV camera
- Industrial PC
- Capture card

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■ System Parameters:

- Maximum lanes to be controlled concurrently: 4
- Counting Accuracy: +/- 3% (under our suggested setup environment)
- Camera installation height: 10-30m



■ ITS-TrafficStat Operating Principle

ITS-TrafficStat utilizes the live video captured from an existing CCTV camera system. Users define a rectangular frame on the screen to represent the target area. These rectangular frames as a virtual loop detector replacing the need to install a physical triggering system. ITS-TrafficStat analyses every frame of the captured images, in real time and determines from the content of the image, if there is a vehicle on the simulated loop. When a vehicle passes through a simulated loop detector. The system will update and store the relevant information. A simulated loop detector defined for each lane applied to detect multiple lanes can then calculate the traffic volume and other related traffic-statistics for each lane.