Applications for traffic control

LPR camera triggering

- Approaching & departing vehicles
- One or several triggering windows
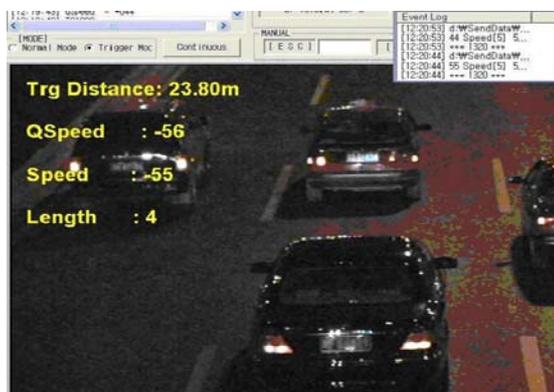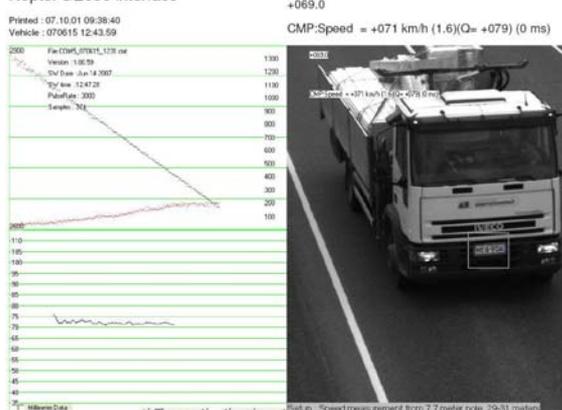- User defined trigger pulse operation

The unit can be mounted beside the camera system, pointing to the same direction. The unit will be set to triggering mode and triggering window defined to the desired distance.

Speed measurement, fixed installation

- Approaching & departing vehicles
- Quick speed measurement for trigger
- Final speed calculation for law enforcement
- Adaptive for different vehicle sizes
- Vehicle size information
- Classification, height and length
- Distance between vehicles calculation

Speed measurement, portable installation

- Approaching & departing vehicles
- Horizontal measurement from the side of the road
- Speed calculation for law enforcement
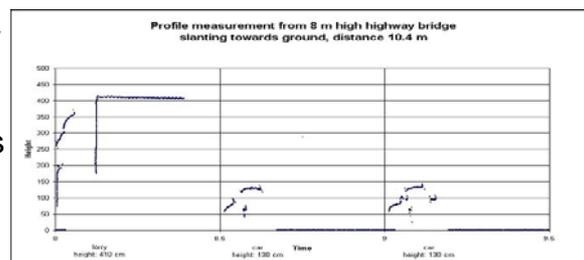- Tripod or hand held
- Battery operable

Section control / average vehicle speed

- Accurate triggering of vehicles
- Speed measurement
- Classification, height and length

Classification / profile / axel counting

- Accurate height & length measurement vertically
- Profile measurement
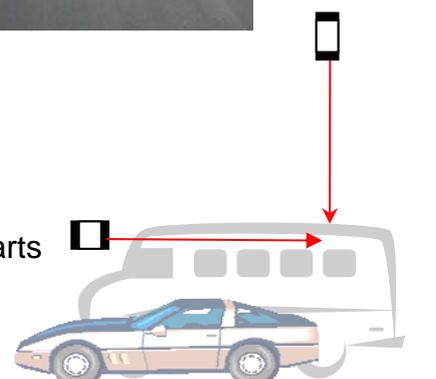- Classification of vehicles to several main classes

Distance between vehicles

- Accurate triggering of vehicles
- Speed measurement
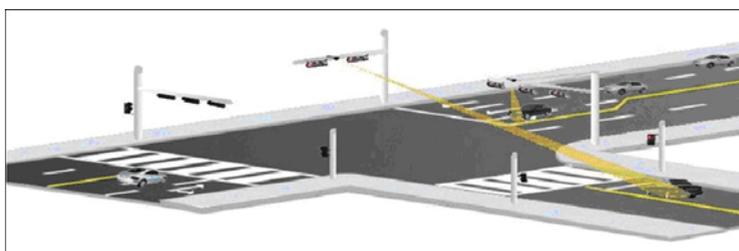- Classification, height and length

Tunnel control

- Height measurement vertically
- Over height control horizontally
- No reference needed, but can be used
- Fast detection rate, up to 4 kHz, detects the smallest parts

Intersection control

- Turning lights control
- Vehicle presence detection
- Red light violation control
- Speed measurement

Vehicle count

- Traffic flow
- Vehicle count
- Flow rate
- Occupancy
- Classification

Traffic Information

- Speed
- Type, size, length, height
- Count, flow rate
- Distance between vehicles

Queue detection and warning

- Average speed
- Road occupancy
- Warning information
- Statistics, traffic flow

Speed displays

- Speed
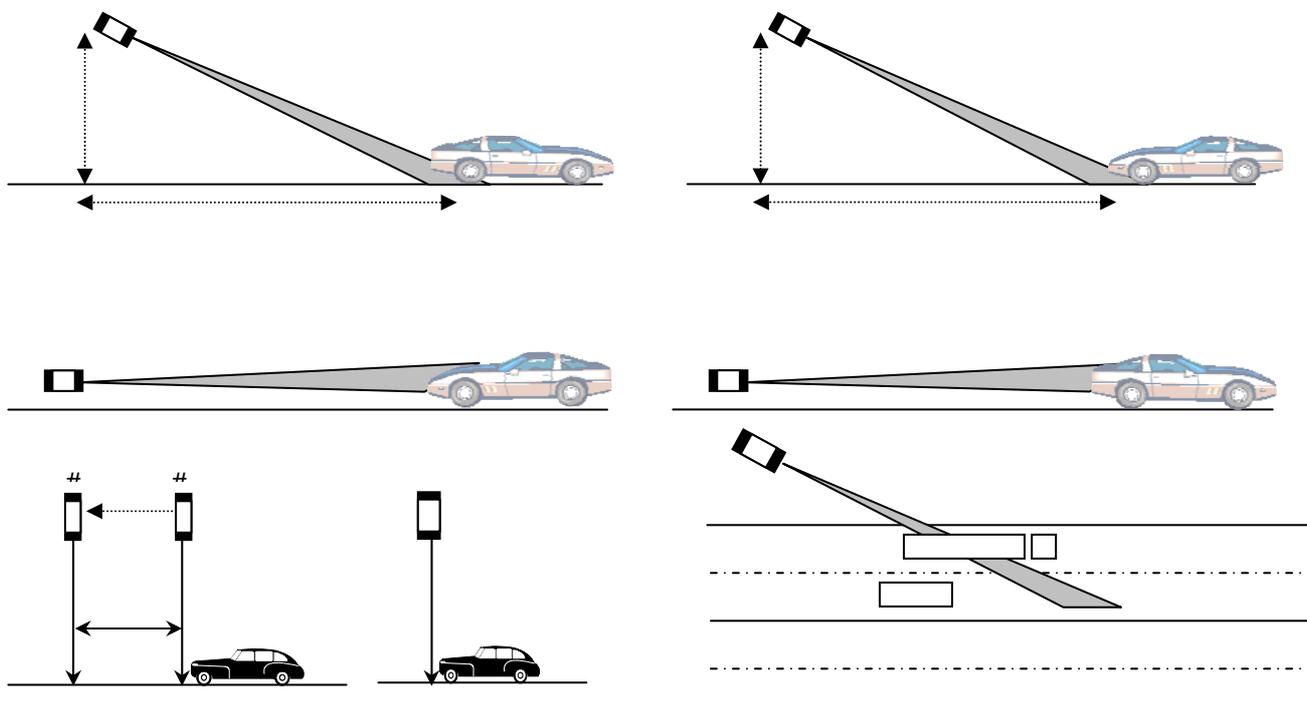- Distance between vehicles

Road surface data

- Snow thickness

Sensor installation

- Approaching & departing vehicles
- Vertical or horizontal measurement
- Gantry, pole or road level
- Above the lane or in the road side

- Multilane measurement, single lane measurement
- Fixed, tripod or hand held

Speeder X1 measurement data:

Terminal log file:
Date: 17/12/2012 - 12:01:21
Speeder X1 SPEED MODE
Approaching vehicles mode
Vehicle classification activated.
MASTER DISTANCE 2921 cm
SLAVE DISTANCE   2699 cm
ESC to EXIT

Vehicle data:

T02659 2878	Trigger distance
ELT: 0:00:05.134	Elapsed time from start
INT: 02.194 s	Interdistance, time from previous trigger
CNT: 000002	Vehicle count
M: 074 S: 047	
QSpeed = +111	Quick speed (for camera triggering)
Height : 150	Vehicle height
discard = 0	
Speed = +110.0 km/h (1)	Speed of the vehicle (accuracy)
Size = 4	Vehicle size class
OCC: 145 ms	Vehicle occupancy time (vehicle length)