



## TRAFICAM®

### THE PRESENCE SENSOR AT INTERSECTIONS

#### DETECTING VEHICLES AT TRAFFIC LIGHTS

TrafiCam® is a CMOS camera and detector in one compact sensor. This small sensor monitors the presence of vehicles approaching or waiting at an intersection.



*TrafiCam® is the ideal low-cost solution for small intersections and advanced detection*

#### ADVANCED VIDEO DETECTION

Using video images, TrafiCam® allows you exact positioning and verification of the detection zones.

#### MULTIPLE & DIRECTION SENSITIVE PRESENCE ZONES

TrafiCam® can detect vehicles, day and night, on up to eight zones. This allows you to distinct presence detection over different lanes. TrafiCam® has direction-sensitive detection zones indicating presence of vehicles moving in a specific direction.

It is possible to connect each zone with one of the four separate hardware outputs.

All presence information is provided to the traffic controller via optically isolated open-collector outputs or via a serial line.

#### EASY AND FAST TO INSTALL

TrafiCam® is easy to install. You can simply mount it on the existing infrastructure. Via a portable computer or handheld PDA with pre-installed Traficon software, you can set-up your sensor. A menu-driven set-up procedure allows you to add, modify or delete detection zones in an extreme user-friendly way. You can store different configurations of a TrafiCam® and upgrade new firmware to the TrafiCam®.



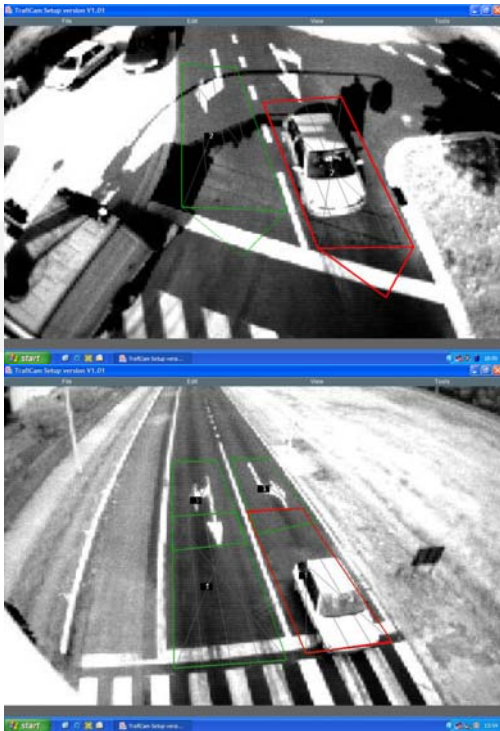
*TrafiCam size: L x H x W:  
10.7cm x 15.0cm x 7.5cm*



*One of the big advantages of TrafiCam® is that it is compact and can simply be installed onto the existing infrastructure*

### KEY BENEFITS

- BASED ON THE EXPERIENCED TRAFICON VIDEO DETECTION PRINCIPLE
- ALL-IN-ONE SENSOR: INTEGRATION OF CAMERA AND DETECTOR
- SUPER SMALL & LIGHT TO HANDLE
- VIDEO IMAGES FOR EXACT POSITIONING AND VERIFICATION OF THE DETECTION ZONES
- PRESENCE DETECTION ON UP TO EIGHT ZONES TO DIFFERENTIATE BETWEEN SEVERAL LANES
- DETECTION ZONES CAN BE MADE DIRECTION SENSITIVE
- EASY TO INSTALL
- EXTREMELY USER-FRIENDLY



With user-friendly TraficCam software, it is very easy to set-up your sensor

## RELIABLE DETECTION IN ALL WEATHER CONDITIONS INDEPENDANT OF THE ROAD SURFACE

Based on the experienced Traficon video detection principle, TraficCam® detection is highly reliable for any road surface (e.g. speed ramp) or weather condition. In case accurate detection is not possible anymore (because of e.g. powerfail or very dense fog) TraficCam® is going into 'recall' status.



Reliable detection remains in all weather conditions: rain, shadows, etc.

## SPECIFICATIONS

### DIMENSIONS

- L x H x W: 10.7cm x 15.0cm x 7.5cm
- Weight with cable of 15m: 1245gr
- Weight without cable: 430gr

### COMMUNICATION

- RS485 service port for set-up

### OUTPUTS

- 4 optically isolated digital outputs
- max. sink-current = 30mA

### POWER SUPPLY VOLTAGE INPUT

- +10V DC to +25V DC

### POWER CONSUMPTION

- 115mA @ +10V DC (1.2W)
- 55mA @ +25V DC (1.4W)

### ENVIRONMENTAL

- Temperature range:  
between - 34°C and +63°C
- Housing sealed to IP67 standards

### EMC

- EN 55022 - EN 50082-2 Industrial

## TRAFICAM® KEY FEATURES

- Capable of detecting on up to 8 presence zones day and night .
- All presence zones can be made direction sensitive.
- Easy set-up via a handheld (Personal Digital Assistant)\* or portable PC.
- The software-tool makes it possible to:
  - set-up the TraficCam®
  - monitor detection
  - down-and-upload different configurations
  - upgrade firmware
- There are 4 isolated digital outputs to output the zone-state information.

(\*): the handheld with pre-installed software and RS-485 serial adapter can be ordered at Traficon

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YOUR CONTACT