

# TrafiCam

VEHICLE PRESENCE SENSOR



## INTELLIGENT DETECTION AT INTERSECTIONS

- ▶ The world's first integrated traffic video detector
- ▶ All-in-one sensor: integration of camera and detection
- ▶ Field-proven video detection technology
- ▶ Non-intrusive, above-ground installation
- ▶ Direct loop replacement
- ▶ Image for precise zone positioning
- ▶ Real-time visual verification of detection performance
- ▶ Easy installation and configuration
- ▶ Aesthetic design

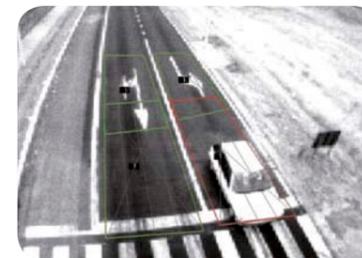
# TrafiCam

TrafiCam is an integrated camera and detector for urban vehicle presence detection applications. Its main goal is to reduce vehicle waiting time, optimize traffic flow and reduce CO<sub>2</sub> emissions. This smart sensor is a cost-effective solution and reliable alternative to inductive loops.

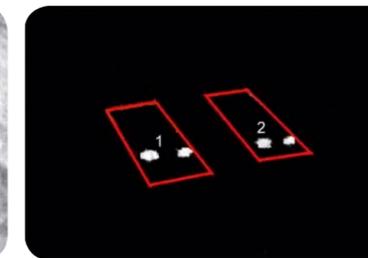


## DETECTION

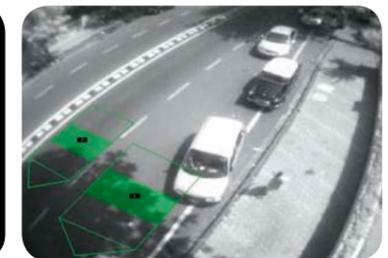
- ▶ Around-the-clock detection of stationary and moving vehicles
- ▶ Stop bar & advance detection
- ▶ Field-proven traffic detection algorithms
- ▶ Detection rate: > 98%
- ▶ Accurate count & zone occupancy measurement
- ▶ Detection during daytime (on vehicles) & detection at night (on vehicle headlights)
- ▶ Advanced filtering (shadows, headlight reflections, shaking camera, ...)
- ▶ Fail-safe status



Day



Night



Shadow

## OPERATION

- ▶ 24/7 operation
- ▶ All weather performance
- ▶ Lifetime expectancy of more than 10 years
- ▶ Storage of configuration on PC
- ▶ Recording & playback function
- ▶ Low power consumption ( $\leq 1,2W$ )
- ▶ Low maintenance cost



Stop bar & advance detection

## DIN-RAIL MOUNTABLE INTERFACE MODULES



### TI (9 WIRES) USB

- ▶ 1 TrafiCam
- ▶ USB connection
- ▶ 4 outputs



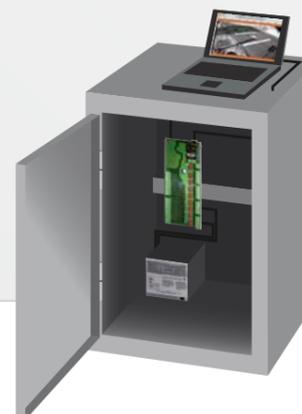
### 1 TI

- ▶ 1 TrafiCam
- ▶ USB connection
- ▶ 4 outputs



### 4 TI

- ▶ 1-4 TrafiCams
- ▶ USB connection
- ▶ 16 outputs



▶ 4 TI splitscreen

## INSTALLATION

- ▶ Above-ground installation
- ▶ Integration of CMOS camera & video detection
- ▶ Compact & easy to handle
- ▶ Quick & easy installation
- ▶ Flexible mounting bracket
- ▶ Overhead & side-fire position
- ▶ 1 single cable between sensor & interface board for power and communication



Horizontal & vertical mounting — full degree of rotation



Wide angle 0 - 20 m / 0 - 60 ft  
Narrow angle 15 - 70 m / 45 - 210 ft

## LOW POWER CONSUMPTION



Optional: wireless communication / solar power

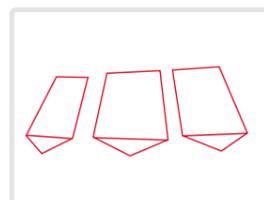
## CONFIGURATION

- ▶ Quick configuration via portable PC
- ▶ User-friendly setup software
- ▶ 8 detection zones (virtual loops)
- ▶ 4-8 detection outputs
- ▶ Logical functions (AND/OR)
- ▶ Direction sensitive detection zones
- ▶ Distinct presence detection over different lanes
- ▶ Direct visual verification of detection performance
- ▶ Offline configuration on PC



Camera image

+



Virtual loops

=



Vehicle presence detection



## REFERENCES

### SOUTH AFRICA



### UNITED ARAB EMIRATS



### INDIA



### SPAIN



### U.S.A.



### GERMANY



**For more information visit  
[WWW.TRAFICAM.COM](http://WWW.TRAFICAM.COM)**

- ▶ General & technical info
- ▶ Installation
- ▶ References
- ▶ Downloads



### TrafiCam Product Kit

- ▶ Sensor
- ▶ Mounting bracket
- ▶ Interface module
- ▶ PC setup software

Your contact: