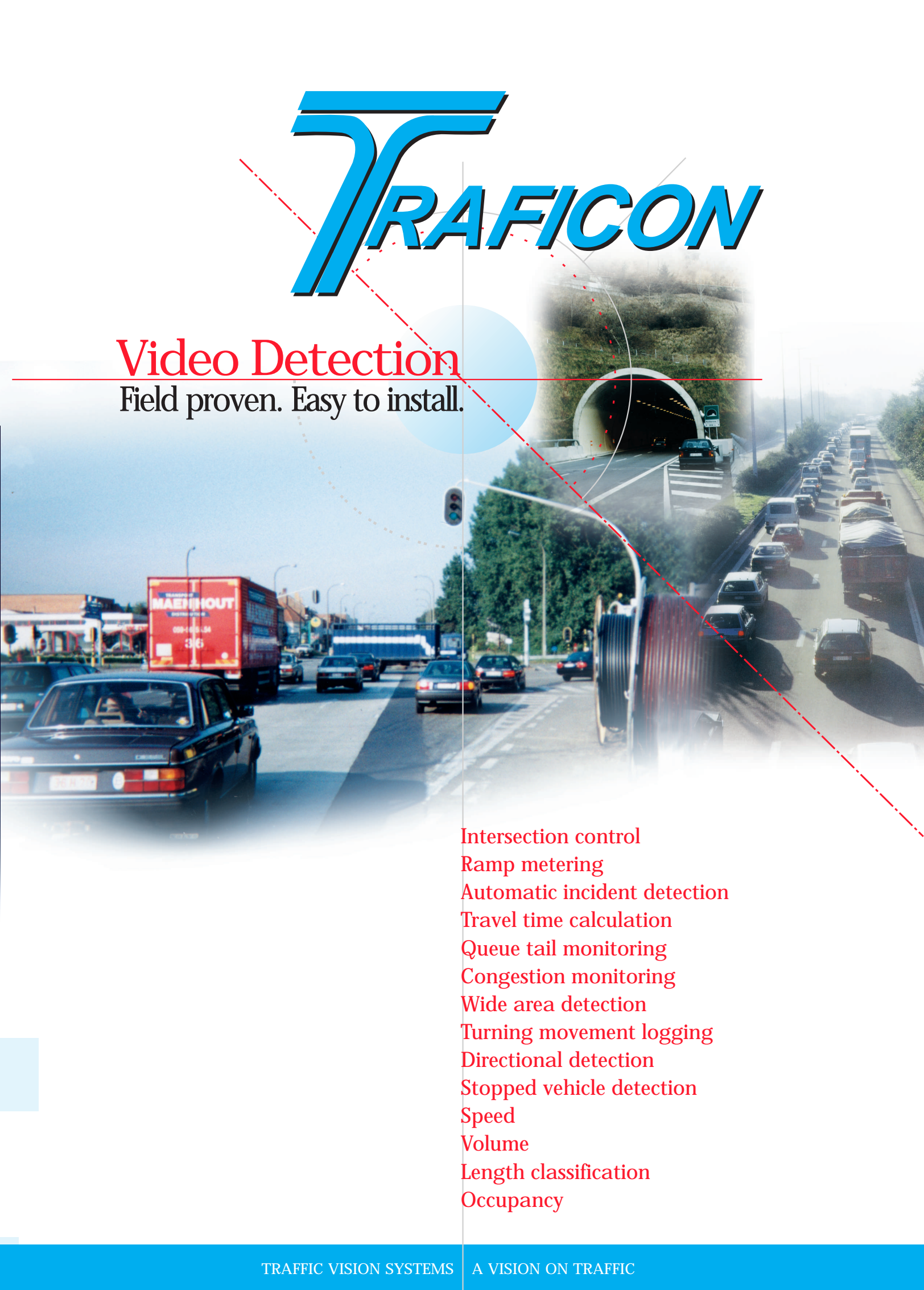


TRAFICON

Video Detection

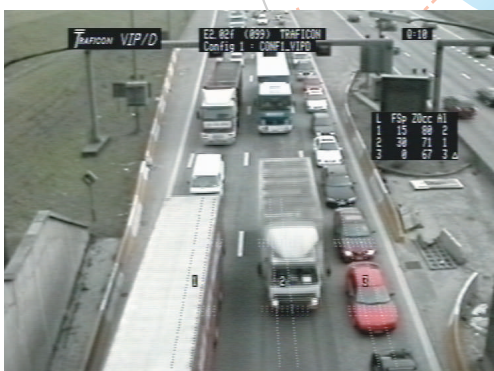
Field proven. Easy to install.



- Intersection control
- Ramp metering
- Automatic incident detection
- Travel time calculation
- Queue tail monitoring
- Congestion monitoring
- Wide area detection
- Turning movement logging
- Directional detection
- Stopped vehicle detection
- Speed
- Volume
- Length classification
- Occupancy



- Traficon nv is the world-wide market leader in traffic detection based on video image processing.
- Traffic managers use our technology for traffic data acquisition, automatic incident detection and intersection management in motorway, tunnel and urban applications.
- As an ISO9001 certified company, we meet our customer requirements by delivering reliable high quality products.
- Building on a development started in 1982 by the University of Louvain, Traficon's continuous research had led to a range of powerful solutions.
- Our basic product is a detector board processing video images to generate traffic data and alarms.
- Our systems are marketed by an international group of carefully selected partners.
- Our reputation is backed by more than 15 years' proven field experience and more than 4500 Traficon sensors, operational world-wide.



MOTORWAY APPLICATIONS

Traffic data

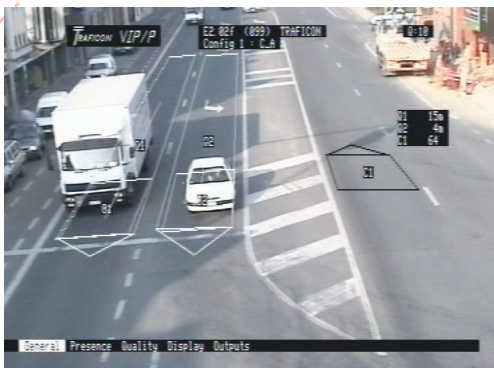
Traficon sensors provide standard traffic data such as volume, speed, length classification, occupancy, density, headway and gap time.

Flow monitoring

Accurately monitoring the average flow speed helps to distinguish different levels of service (fluid traffic, stop&go, queue). Other applications are queue monitoring during road-works and calculating travel time.

Automatic incident detection

Fast detection of stopped vehicles or wrong-way drivers speeds up intervention and thus saves lives.



URBAN APPLICATIONS

Presence

Not subject to road-works, video detectors replace loops for presence detection, queue length measurement and counts in front of traffic lights.

Flow monitoring

Flow monitoring in the city centre indicates conditions of low speed or congestion. This information is used by higher level systems to optimise the traffic flow.



TUNNEL APPLICATIONS

Automatic incident detection

Safety in tunnels is managed through a fast and accurate detection of incidents, such as stopped vehicles, wrong-way drivers or lost cargo. Our systems also provide data for flow monitoring and ventilation control.

Traficon nv is the world-wide market leader in the field of traffic detection based on video image processing.



The key factor in a Traficon detection system is the VIP (Video Image Processor), a standard detector board on which several types of detection software can be run. The video signal from the camera monitoring the traffic is used as input for the detection unit. Detection lines are superposed on to the video image. Vehicles crossing these lines are detected. The VIP analyses the video images to generate traffic data and alarms. Detector boards are grouped in rack systems. Dedicated boards handle compression of images and transmission of data, alarms and images.

Traficon Video Detection Systems

FEATURES	BENEFITS
Variety of detector types with both data for traffic analysis (volume, speed, presence, occupancy, classification, headway) and incident related data (stopped vehicle, queue, wrong-way drivers)	Data needed for pro-active and reactive traffic management is available. The WATTS (Wide Area Traffic Telematics Server) PC software monitors the VIP detection system.
The combination of data and images facilitates verification of incident alarms. Both can be transmitted to the traffic control centre using dedicated boards that interface with standard protocols.	When an incident occurs, you can see what has happened, how many vehicles are involved, the general traffic situation at that point, etc.
Detector performance can be verified with a video monitor.	Immediate visual feedback guarantees of proper functioning. Very often, the cause of unexpected results can be deduced from the image.
Above ground detection	Placing detection lines does not require any road closure or interference with the road surface.
High reliability with a high mean time between failures and a long lifetime of cameras and electronics	Low overall lifetime cost
Modular concept with dedicated detection algorithms depending on the application	Traficon focuses on customer needs, offering both standard and tailor made solutions. Existing systems are easily extended and upgraded.
Easy to install, easy to modify in an extremely user-friendly setup procedure (on site or remote setup)	Detectors are easily adjusted or moved to meet new traffic requirements.
High performance proved by a high detection rate and fast incident detection with low false alarm frequency	Under different lighting and weather conditions, Traficon detectors have proven their value. In case of incident, rapid detection leads to a fast intervention by rescue teams.
The actual size of the monitored area depends on the height and the position of the camera.	Camera covers a wide area.
Mobile system	Traficon detectors are frequently used in mobile systems during road repairs or temporary measurement campaigns.



Video Detection

Field proven. Easy to install.

... Alkmaar, Amsterdam, Antwerp,
Bergen, Brussels, Brynlass,
Changchung, Charleroi, Charlotte,
Clackamas, Como, Copenhagen;
Daytona Beach, Dortmund,
Dresden, Dublin, El Cajon,
Escondido, Everett, Fresno, Fulda,
Geneva, Heerhugowaard,
Helsinki, Hickory, Hong Kong,
Hoorn, Jerusalem, Lancaster, Leipzig,
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Los Angeles, Magdenburg,
Martinez, Medford, Melbourne,
New York, Norfolk, Orlando,
Oslo, Parsewalk, Petaluma, Perth,
Portland, Sao Paulo, San Diego,
San Francisco, Seoul, Stockholm,
Stresa, Stuttgart, Sydney, Syracuse,
Tokyo, Virginia Beach, Wallawalla,
Wellington, Wurselen/Aachen, Zlin...



More than 4500 Traficon sensors operational world-wide

Contact us today for additional information.

TRAFICON NV

Bissegemsestraat 45

B-8501 Heule

Belgium, Europe

Tel. +32 (0)56 37.22.00

Fax +32 (0)56 37.21.96

E-mail traficon@traficon.com

Website www.traficon.com

Your distributor

