

Intelligence is
recognized by the eyes.

The new
Smart Traffic Sensor.



Security requires a watchful sentinel.

The Kapsch Smart Traffic Sensor is a highly-compact, intelligent video sensor for automatic detection and analysis for traffic safety applications as well as the protection of critical infrastructure.



Always on duty.

The ideal support system for visual monitoring assignments is fully automatic and works 24 hours / 7 days a week. Manual intervention is only required in emergency situations.

Danger detected. Danger averted.

Smart Traffic Sensor manages all tasks related to the automatic detection of dangers, analysis of image files and forwarding relevant data – and only relevant data – to the operator.

A summary of the growing list of applications:

- Object protection (protection of critical infrastructure)
- Detection of obstacles (in emergency lanes, at railway crossings, etc.)
- Control of access systems
- Detection / warning of wrong-way drivers
- Traffic jam detection / warning
- Danger / accident recognition



Whether it's a wrong way driver, an accident or obstruction: Smart Traffic Sensor detects and reacts.

Very clever. Very smart. Never tired.

The combination of high precision sensors and Kapsch software algorithms make the Smart Traffic Sensor unique. The example of detecting wrong-way drivers shows that traditional methods which use visual monitoring around the clock cannot ensure the necessary coverage of the defined area with the required fast reaction time. With the Smart Traffic Sensor, the danger can be targeted and the necessary countermeasures put into motion immediately without any loss of time (alarms, activation of warning signs, etc.).

The camera with built-in intelligence.

Even changing exterior conditions are not a problem for the Smart Traffic Sensor. These are quickly recognised as „normal“ and require no permanent adjustment. Smart Traffic Sensor also limits data sent to that which is actual and relevant data thus saving the transfer of large volumes of data. Smart Traffic Sensor has its own integrated PC and requires no downstream computer to carry out its assignments.

Performance is not a question of size.

Due to its small size and the use of CMOS technology, Smart Traffic Sensor's energy consumption needs are minimal, making it ideal for installation in locations that do not offer available infrastructure. The absolutely autonomous application using solar energy and GSM/GPRS/UMTS is no longer just a dream.

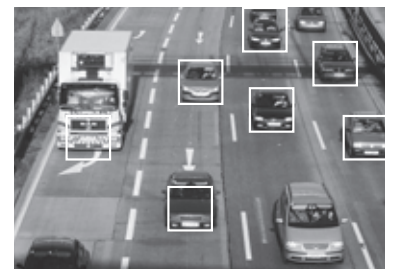


The economy of security.

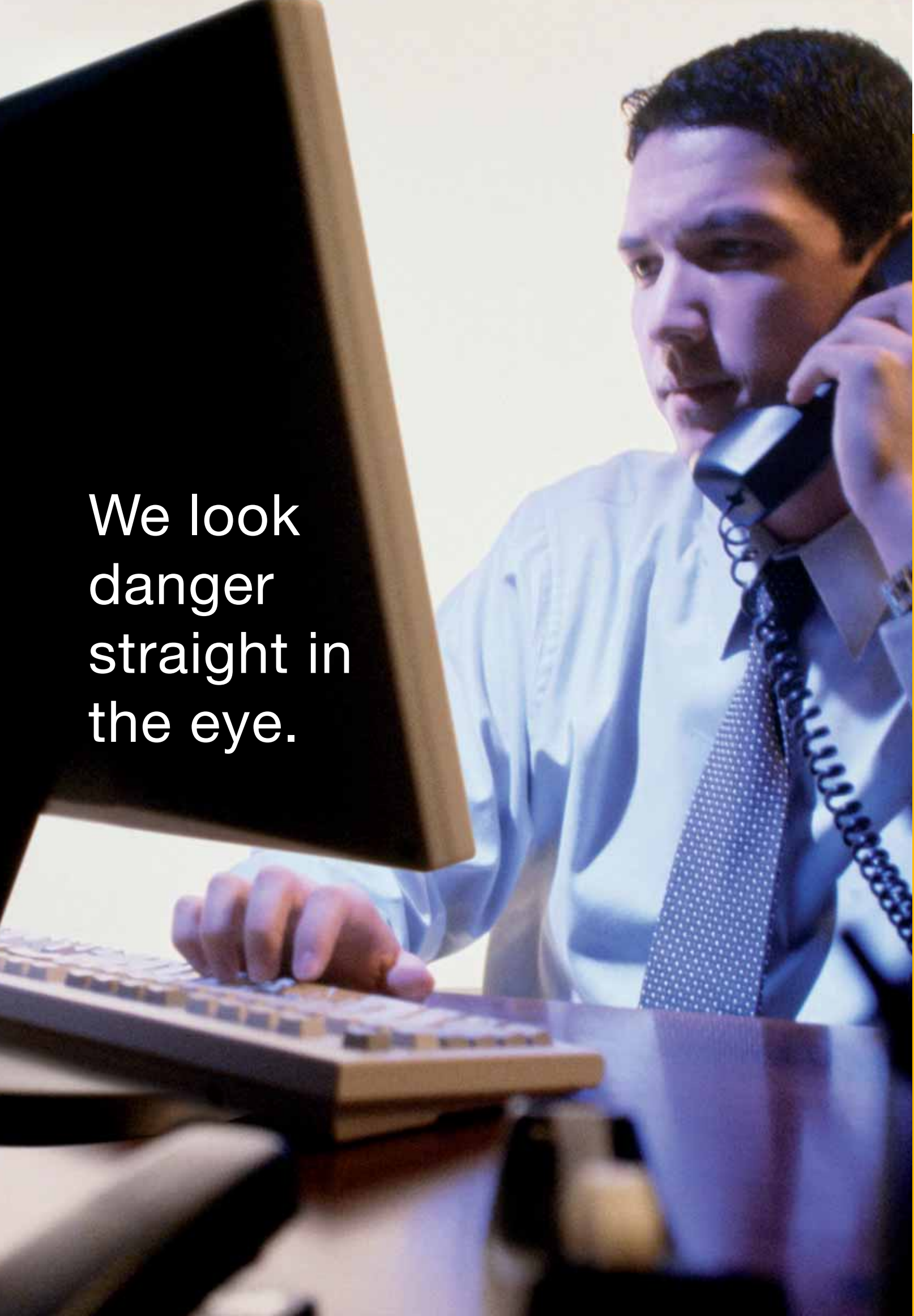
Small, smart sentinels make traffic monitoring easy, and they make streets safer due to quick detection and reaction times. With the new Smart Traffic Sensor from Kapsch, these processes are fully automated in a highly compact, efficient and economical form.



Components of Kapsch Traffic Monitoring systems, such as the Smart Traffic Sensor, are also well suited for monitoring critical infrastructure.



Permanent detection of all relevant activities on the roadway.

A man in a white dress shirt and a patterned tie is sitting at a desk. He is looking at a large computer monitor on the left side of the frame. He is also talking on a black corded telephone. His right hand is on a keyboard. The lighting is somewhat dim, with a blueish tint, suggesting an office environment.

We look
danger
straight in
the eye.

