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Road Traffic Technology

TRAFFIC VIOLATION

DETECTION SYSTEM



CROSS PAVIS

PARKING VIOLATION SYSTEM

TRANSPORT SYSTEM IN URBAN AREAS

DETECTION OF OFFENSES

VIDEO MONITORING

VIDEO MONITORING

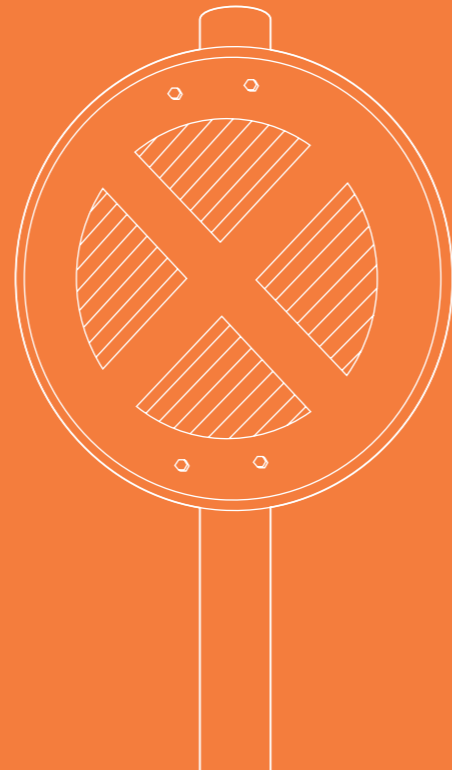
CROSS PAVIS
PARKING VIOLATION
SYSTEM

CROSS PAVIS - solutions for the elimination of illegal stopping and parking on the streets of city centers.



CROSS PAVIS PARKING VIOLATION SYSTEM

CROSS PAVIS is a system for the detection of illegal parking. It is used for simple and effective monitoring of parked cars in selected, precisely defined zones. It can effectively monitor areas of forbidden stopping or parking, or areas with a limited parking time.



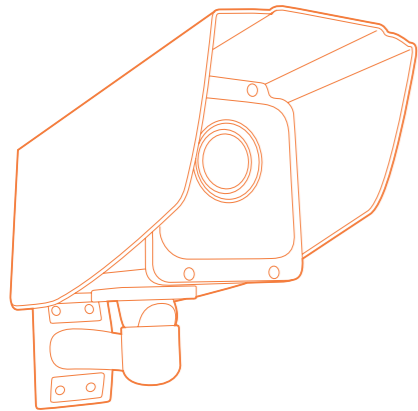
The system generates a list of offenses with a time stamp, car number plate and accompanying detailed photo documentation. It runs independently, but all offences are sent to a central server for storage. Thanks to the thin web client, PAVIS can also be set up to with any web-enabled device and used for immediate enforcement. The system can also be easily integrated into any 3rd party enforcement and violation solution.

PAVIS

FREE PASSAGE FOR ALL CITY ROADS USERS

HOW DOES IT WORK?

PAVIS is a system that scans the streets and pre-defined areas on them for parking offences. All movement of vehicles is monitored and evaluated. If a vehicle is found to be stopped or parking in an area where parking is restricted, a ticket is issued. The offence document is a set of proof materials including an overview picture of the offending vehicle with an automatically recognised license plate (using an LPR engine).



PAVIS is an easy and effective solution for every city.



SITUATIONS THAT AFFECT PAVIS



Areas of forbidden parking and stopping



Parking on pedestrian crossings, sidewalks, bus stops



Unauthorized parking in restricted zones



Exceeding the maximum permitted stay

PAVIS IS A WAY TO ACHIEVE

- Roads free for passage of vehicles (and thus lower traffic intensity)
- Better availability of parking spaces (eg. time-limited parking in city centers)
- Less search traffic
- Increased safety on the streets
- Conditions for better provision of public services - public transport, taxi, garbage collection, passage of rescue vehicles, ...
- Protection of private and reserved parking spaces

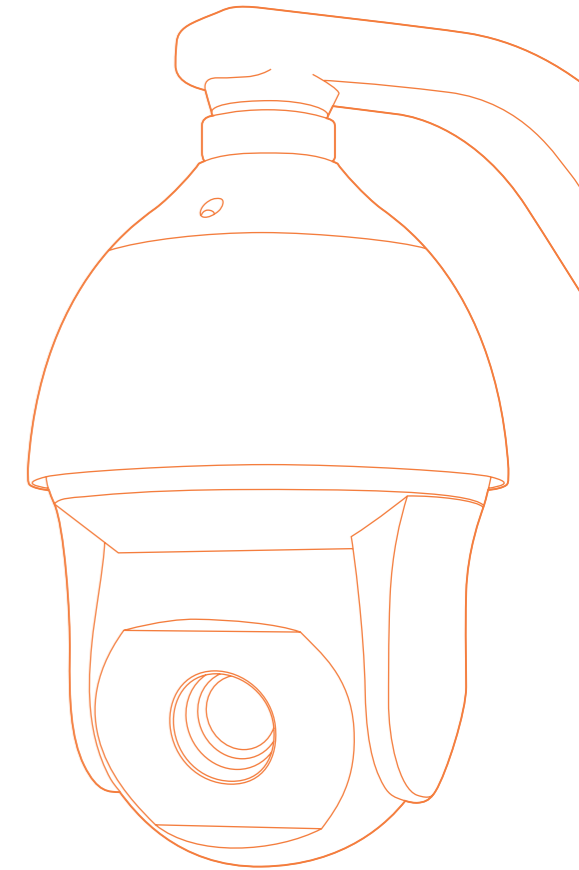
BASIC SYSTEM FUNCTIONS

- Automatic generation of offences
- Detailed and conclusive documentation of offences (offence report and photos)
- Time limit setting (offence tolerance)
- White list
- Customizable output format (open data format)
- Full functionality even in case of data connectivity outage



CASE STUDY

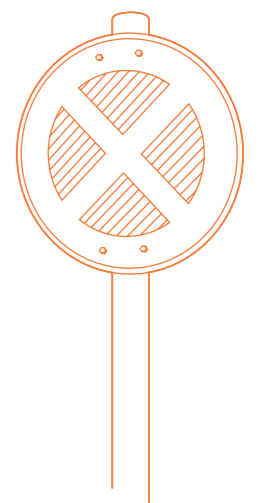
SYSTEM CROSS PAVIS IN IZMIR, TURKEY



In a major ITS project in Izmir (EUR 22 million), PAVIS is largely deployed. So far, 34 from a final total of 116 PAVIS installations are operational. The system now monitors an area of 10 streets but in the future project phases, it will cover the entire city of 4.5 million inhabitants.

The current PAVIS network detects more than 200,000 (non-unique) vehicles a day and generates approximately 2,000 offences daily.

Violations of parking and / or stopping are monitored 24/7. Specific customer wishes were prevention of parking over pedestrian crossings, pavements, taxi stands, hydrants, and bus stops. Moreover, a functionality of second rank parking detection and enforcement was added to the system.





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