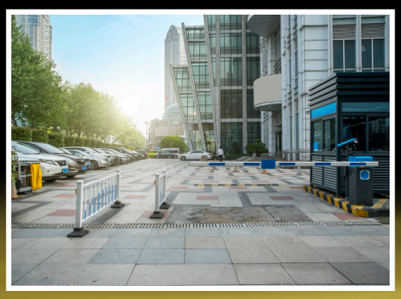
NumberOK META backend and TraFFic CaMMRa data sensor for the access control and traffic projects

NumberOK META backend for ANPR cameras for traffic and parking projects

Where do you really can collect data from **ANPR cameras** and analyze them according to the objectives of the facility (parking, street and a separate area of the city)? And most importantly, without extra budgets on infrastructure and construction of an expensive Data Center.
A combination of **FF Group software products**: data sensor based on Axis cameras and **NumberOK Meta (**business logic backend) can solve all these issues.

The main problem to solve



The NumberOK META backend+TraFFic CaMMRa combination will better help all traffic and parking issues to solve on a high accuracy level with less infrastructure and devices resources.

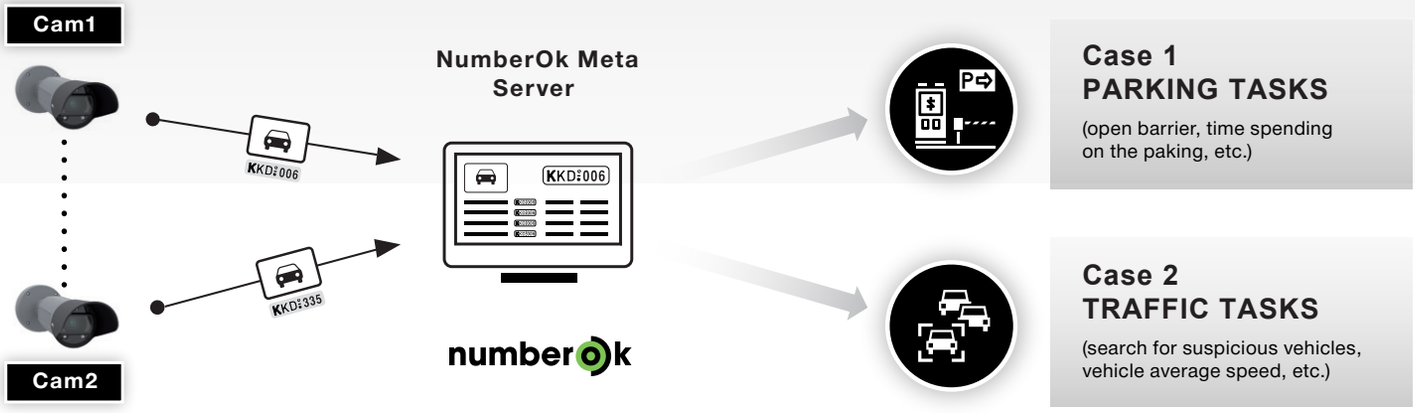
Complex solution (traffic sensor and backend) includes:

- all the complex resource-intensive functions of video analytics (LPR+vehicle classification) are performed on the camera in TraFFic CaMMRa ACAP application,
- the flexible multi-channel NumberOK META for providing business intelligence analysis from up to 64 ANPR cameras on simple PC.

Get immediate real-time alerts for traffic and parking control:

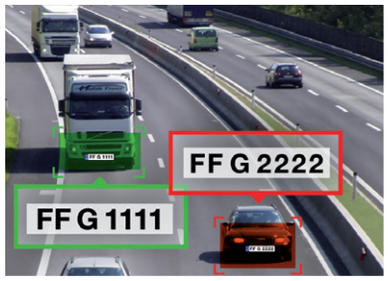
- the license plate is present in the database,
- the recognized vehicle' make, model, type and color.

Solution architecture:



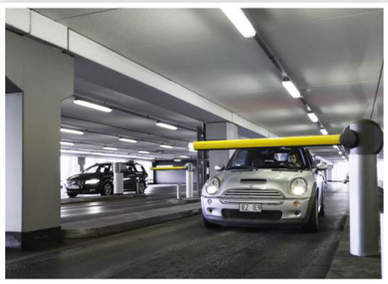
Axis cameras with **TraFFic CaMMRa** apps are installed at perimeter entry/exit for vehicle control (parking spaces or traffic perimeter in the city). The system detects vehicle license plates, make and model onboard of a camera and sends data to **NumberOK META** backend easily installed on a simple PC. It analyses all data providing business intelligence analysis according to customers' tasks.

What you should expect



In traffic management:

- comparison of lists of vehicle groups (wanted, stolen, deadbeat, etc.) with a common database for solving different tasks such as fix the intruder,
- issuance of alerts to intruder vehicles,
- search for suspicious vehicles matching the license plate of his make and model,
- calculation of the vehicle average speed in areas for speed control.



In parking control:

- getting a report on the control of all vehicles in the perimeter (access via white lists),
- calculation of the time spent on the territory (free exit for a car that stays in the area less than 15 minutes, then the paid time is fixed),
- if a vehicle is stolen from a parking space and its number is replaced, you can search by its make and model,
- the comparison of lists of vehicle groups (VIP, wanted, stolen, non-payer of child support, always parking access, only on weekends, etc.) with common base for different types of tasks,
- access to the perimeter, fix the intruder.

Solution Benefits:

License plate recognition

Recognition of 6 vehicles types

Traffic statistics collection and analysis

Recognition of 10 vehicle colors

Recognition of 74 vehicle makes

Max. vehicle speed: **up to 160 km/h**

Blacklist check

Recognition **of 632 vehicle models**

Accuracy: above >95%

What do you need for complex solution:

Simple PC for server
NumberOK META software

NumberOK META
supported up to 64 ANPR cameras

TraFFic CaMMRa
software for Axis camera

I/O modules
for barrier management

Customize Your Needs

If you want to discuss your customized product with FF Group product range, please contact: **n.osypova@ff-group.org, +420608884183.**

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