GROUP

SOLUTIONS FOR SMB

numberok
License Plate Recognizer

numberOk
License Plate Recognizer

DESCRIPTION

NumberOK SMB	One channel recognition	📷
	Two channel recognition	📷 📷
	Four channel recognition	📷 📷 📷 📷
	Six channel recognition	📷 📷 📷 📷 📷 📷
	Nine channel recognition	📷 📷 📷 📷 📷 📷 📷 📷 📷

Network module of the executive mechanisms control "ICP CON"	Alarm input	**6**
	Relay output	**6**
	Power and connection over Ethernet	‹•••›

FUNCTIONS

01 LICENSE PLATE RECOGNITION
/ 1, 2, 4 RECOGNITION CHANNELS /

02 COMPATIBILITY WITH ANY TYPE
OF CAMERA / ANALOGUE OR IP /

03 SAVING SCREENSHOT OF THE VEHICLE
AND STORAGE OF ALL RECOGNITION
EVENTS IN THE DATABASE

04 CONTROL OF EXECUTIVE
MECHANISMS / BARBOS MODULE
OR ICP DAS PET-7060 MODULE /

05 CONTROL OF VEHICLE ACCESS BY TIME,
DATE, DURATION OF STAY AT THE TERRITORY,
NUMBER OF ENTRIES

06 DIVIDING VEHICLES INTO GROUPS

07 GENERATING OF REPORTS FOR A PERIOD OF TIME
USING DIFFERENT FILTERS / ENTRY / DEPARTURE,
TRAVELLING DIRECTION, ACCESS ETC. /

08 ASSIGNING DIFFERENT USER
ACCESS PERMISSIONS

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OBJECTIVES

CONTROL
Capturing and recogniting of license plate numbers and storing them in your database.

RECORD
Defining the total number of vehicles, counting time the vehicle spent at the territory, counting travel time between two control points, reporting automaticly, sending reports via e-mail.

ACCESS CONTROL
Control of executive units /barriers, gates, alarm etc./ by means of relay control unit Barbos or ICP CON. Automatic access for the vehicles from white list and alarming the guard on detection of number plate from the black list.

ADVANTAGES

NUMBEROK
COMPETITIVE
ADVANTAGES:

- high recognition accuracy /95%/

- rich functionality

- affordable price

- business logic /parking, car wash, service station/

▌ NUMBEROK MAKES IT POSSIBLE TO GET HIGHER PROFIT
AND REDUCE EXPENSES.

▌ NUMBEROK CAPTURES NUMBER PLATE SYMBOLS,
KEEPS RECORDS OF VEHICLES AND CALCULATES DURATION
OF THEIR STAY AT THE TERRITORY.

▌ USING OBTAINED DATA NUMBEROK CAN GENERATE REPORTS
AND SEND THEM VIA E-MAIL.

▌ NUMBEROK ENABLES MONITORING OF VEHICLES AT YOUR CAR WASH
/ PAID PARKING, CONSTRUCTION SITE, CHECKPOINT ETC./ FROM ANY
PART OF THE WORLD.

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INTEGRATION WITH THE THIRD-PARTY SOFTWARE

there are two options of integration numberOK with the third party applications:

01 BY NUMBEROK DATABASE:

If your application uses free database (FireBird etc.) you can manage database and collect data from NumberOK in real time.

You can make changes to the list of allowed /denied/ vehicles control time of allowed access, and make queries for report generation.

02 INTEGRATION BY TCP PROTOCOL:

NumberOk acts as server and sends all recognition events to selected port by

— TCP protocol
— actual number plate
— group
— travelling direction

The external application can collect all data from NumberOK.

MULTI CHANNEL SOLUTIONS

For large-scale and complex projects requiring more than 4 recognition channels there is a possibility to create single database.

Database is created on the Server 1, where the rest servers obtain information from.
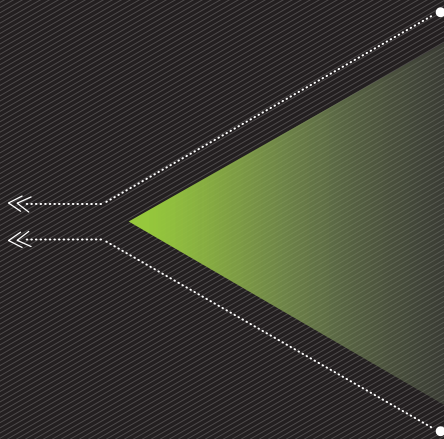
SERVER 2

SERVER 1

SERVER 3

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SCOPE OF APPLICATION
CHECKPOINT

	DATE	NUMBER	DIRECTION	PASSAGE
01	01.12.14 / 10:10	KKD:006	entrance	allowed ✔
02	01.12.14 / 10:20	FM - 5463	entrance	allowed ✔
03	01.12.14 / 10:25	MMG-418	exit	denied ✖

NumberOK license plate recognizer will help you control access to any territory easily.

There is no need to issue any access cards — the license plate number of the client will serve as a pass.

The benefits of such an "entry permit" are obvious: you don't need to carry it around, show it to security officer or wave it near a reader device, you cannot forget or lose it or give it to anybody else.

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KKD:006

ACCESS
CONTROL
SYSTEM
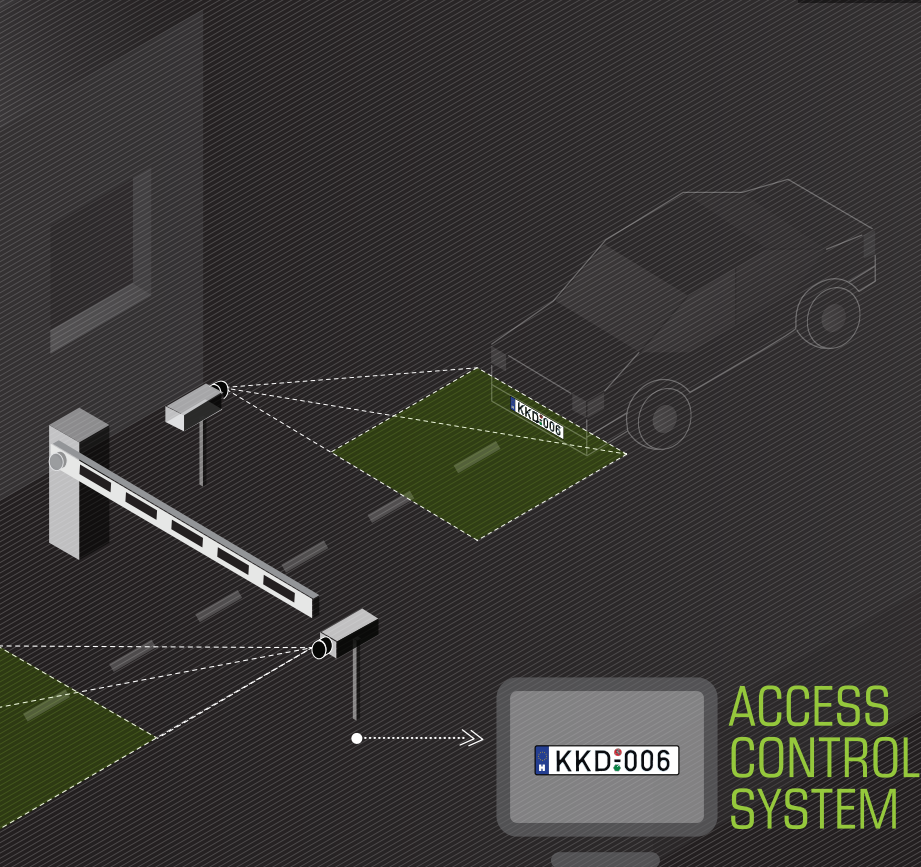
PROBLEM
CRITICAL AREAS ON SIGHT

The entry of vehicles which should
not be present at the territory
of an enterprise.

SOLUTION
TO THE PROBLEM BY NUMBEROK

Allowes access
to the territory only
for the vehicles from
the database.

Detection of entry or departure
of the vehicle, capture of license
plate number, time and date of
the event and saving screenshot.

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SCOPE OF APPLICATION
PARKING

	DATE	NUMBER	DIRECTION	DURATION	PASSAGE	
01	01.12.14/10:10	KKD:006	entrance	01:00	allowed	✔
02	01.12.14/10:20	FM-5463	entrance	01:00	allowed	✔
03	01.12.14/10:25	MMG-418	exit	01:00	denied	✖

ANALYTICAL REPORTS

The main objective of NumberOK installed at the parking is the counting of the vehicles and identification of time they spent at the parking lot.

NumberOK is used to automate access for the clients who have prepaid the parking. These vehicles are included into the white list. As a result, the client does not needto wait until the security officer finds them in the list of ticket holders, and quickly enters the territory.

NumberOK generates daily reports on the number of cars and duration of their stay for manager of the parking. Using these parameters it is possible to roughly estimate the amount of the revenue.

NumberOK deployment at the parking will give you immediate results: increasing revenues, and enhancing satisfaction of your clients.

KKD 006
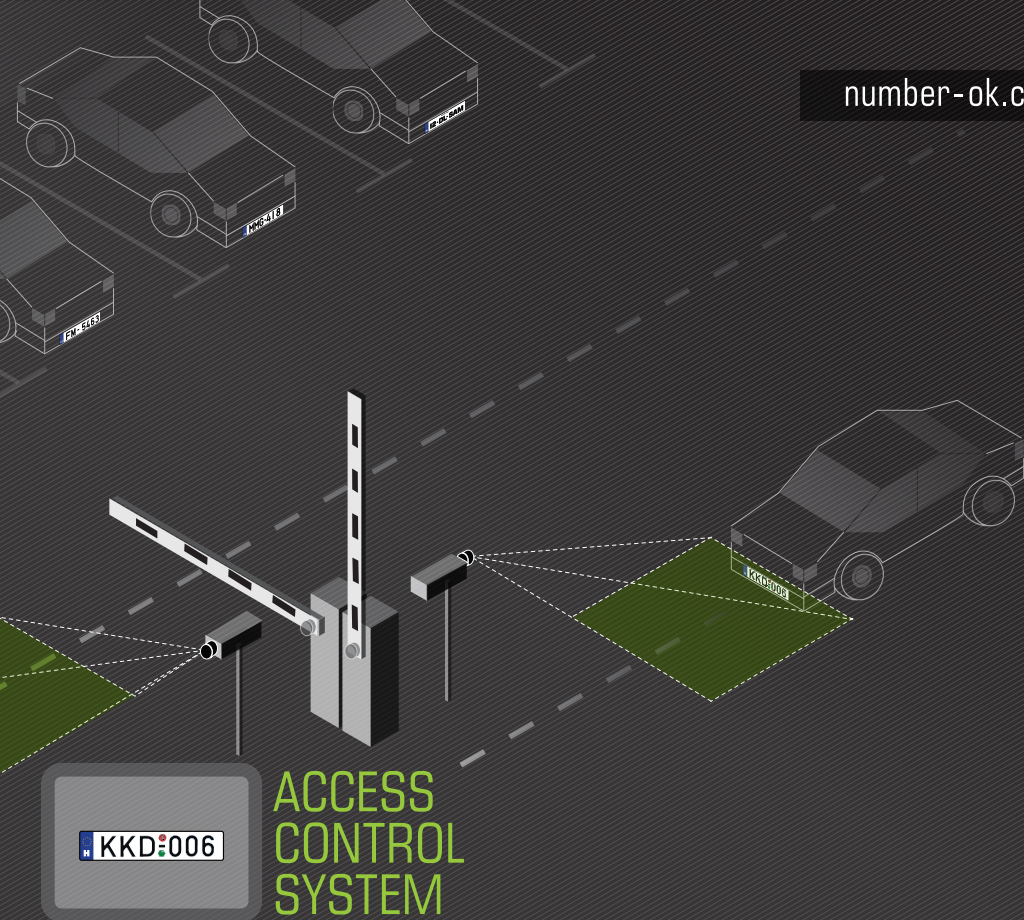
ACCESS
CONTROL
SYSTEM

PROBLEM
CRITICAL AREAS ON SIGHT

There are no available data on the total number of cars and duration of their stay at the territory.

SOLUTION
TO THE PROBLEM BY NUMBEROK

Defining the total number of vehicles at the area, datastorage in the database and calculation of time the vehicle spent at the territory *.

This allows for quick calculation of total amount of cars/hours and evaluation of the profit gained.

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SCOPE OF APPLICATION
RESIDENTIAL COMPOUND

ANALYTICAL REPORTS		DATE	NUMBER	DIRECTION	DURATION	PASSAGE	
	01	01.12.14/10:1	KKD:006	entrance	01:00	allowed	✔
	02	01.12.14/10:10	FM-5463	entrance	01:00	allowed	✔
	03	01.12.14/10:20	MMG·418	exit	01:00	denied	✖
		01.12.14/10:25			01:00		

How often do you face with the situation when the parking lot near your house is occupied by the cars belonging to the residents of the neighboring houses?

NumberOK ensures the access to the parking lot for the tenants of the residential compound. The system provides access for the vehicles only from the white list, which includes the number plates of vehicles belonging to the residents of the building. As a result, the tenants can easily park the cars near their house, not searching for the free stall.

For hotel managers there is a possibility to allow access for vehicles by certain time and date, or once the fee is paid. this means that the rental lease on the apartment has expired, the client won't be able to enter the territory.

4
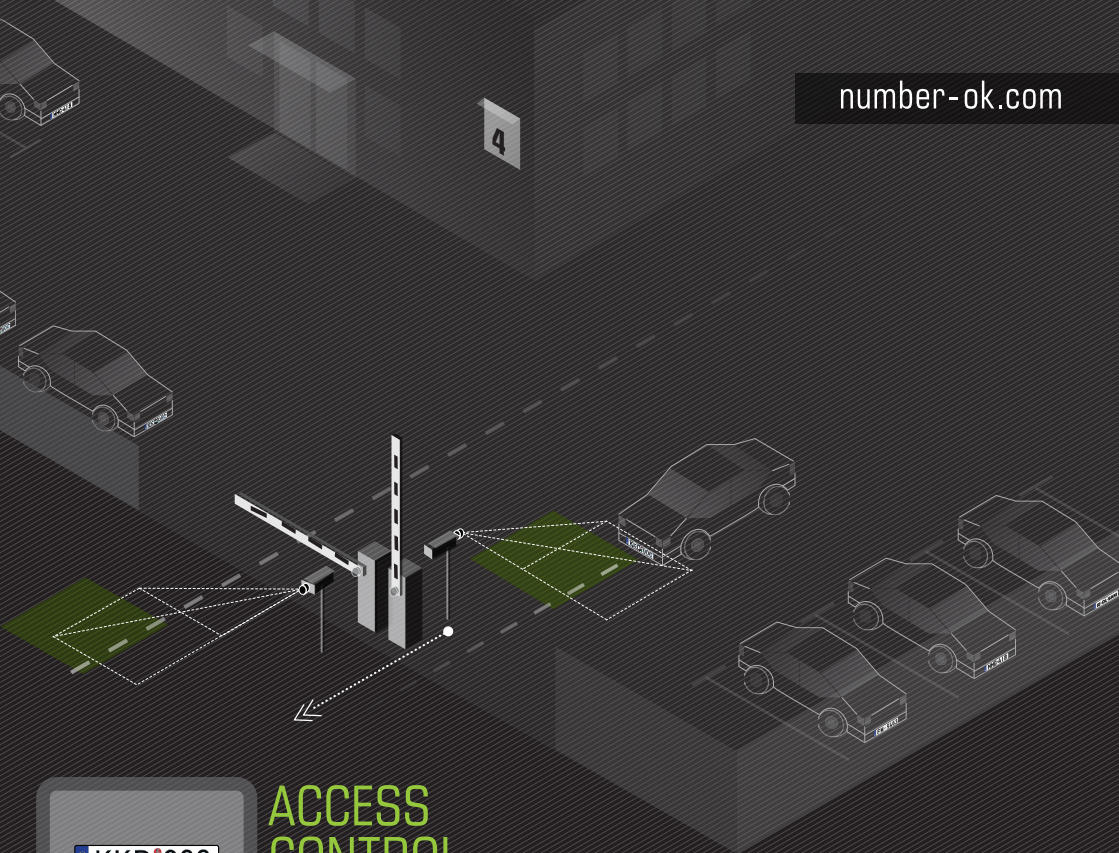
ACCESS
CONTROL
SYSTEM

KKD:006

PROBLEM

CRITICAL AREAS ON SIGHT

Lack of parking places when most of them are occupied by cars not belonging to the residents of the house or hotel.

Financial cost for access cards used to open barrier or gates.

SOLUTION

TO THE PROBLEM BY NUMBEROK

Allows access to the territory only for the vehicles from the database.

Automatic access by recognized license plate number. There is no need to buy access cards. The system does not require any maintenance.

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BENEFITS

Easy to install, simple to use.

EASY

USER

FRIENDLY

EFFICIENT

Compatible with most sources supporting RTSP: analogue DVRs, capture boards and IP cameras of different brands. OS Windows. Remote network connection.

TECHNICAL REQUIREMENTS

Size of number plate in the frame is at least 100px

Vertical angle is no more than 30°

Horizontal angle is no more than 30°

Tilt angle is no more than 5°

Name	Description	
SW NumberOK SMB – 1	SMB solution. Preinstall business logics: checkpoint, parking place. One channel recognition	
SW NumberOK SMB – 2	SMB solution. Preinstall business logics: checkpoint, parking place. Two channels recognition	
SW NumberOK SMB – 4	SMB solution. Preinstall business logics: checkpoint, parking place. Four channels recognition	
SW NumberOK SMB – 6	SMB solution. Preinstall business logics: checkpoint, parking place. Six channels recognition	
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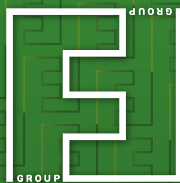
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