numberok
License Plate Recognizer

NumberOk
Car park solution

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Car park solution P

Who we are?

FF Group is a software vendor, leader at **EDGE** calculation.

10 **10 years** experience in software development.

Have our own technology of **license plate, make, model, colour, vehicle type recognition** directly on camera and on server.

Regions: **EU, CIS, APAC, Africa, USA.**

Technological partnership with: AXIS COMMUNICATIONS, Hanwha, Ambarella, Security & Safety Things

Product quality proven: more than **1000+** installations worldwide.

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Software key benefits

- **HIGH ACCURACY RATE** ≥95% at speed up to 240 km/h.
- **VENDOR - AGNOSTIC**: works with any IP camera, supporting RTSP protocol.
- **EASY DEPLOYMENT**: No dongles, licensing and demo with electronic license keys.
- **UNIQUE FEATURES** - VMMCR: Vehicle **Make**, **Mode**l, **Colour**, **Type** Recognition.
- **INTEGRATION** with the 3rd party software via **TCP IP** and **JSON** protocol for free Installation on **VIRTUAL SERVERS** enabled.
- **READY TO USE:** for access control and parking (b/w list management up to 100K vehicles, access by schedule, double access control (LPR +MMR).
- **ALERTS:** pop-up window, sound alarm, line coloured, e-mail notification.

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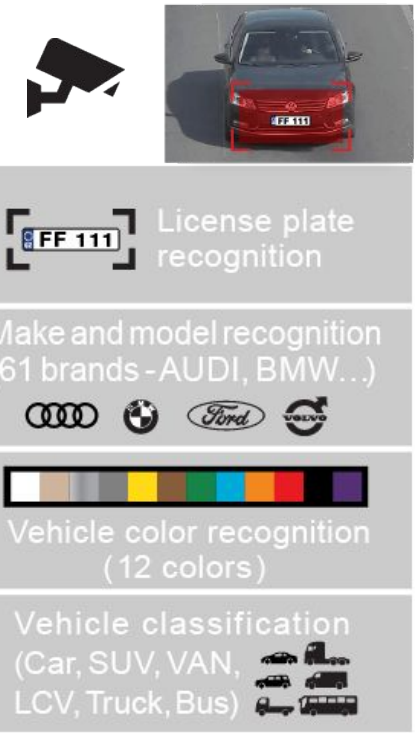
Product line

Lite VMMCR - recognition and possibility to send recognized license plate / make / model / colour / vehicle type to parking system.

SMB VMMGR - all functions of Lite + double access control mismatch of license plate and make (brand) of vehicle, built-in business logics for access control, parking.

Enterprise VMMCR - all functions of SMB + control of traffic rules, speed measurement.



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Integration to parking system

TCP IP

HTTP POST

TIMESTAMP	17.01.2020_10:34:57
License plate	AI0188MA
Direction	Exit
Channel and zone	1 channel, 1 zone
Vehicle Make	AUDI
Vehicle Model	A4
Vehicle Type	CAR
Vehicle color	White

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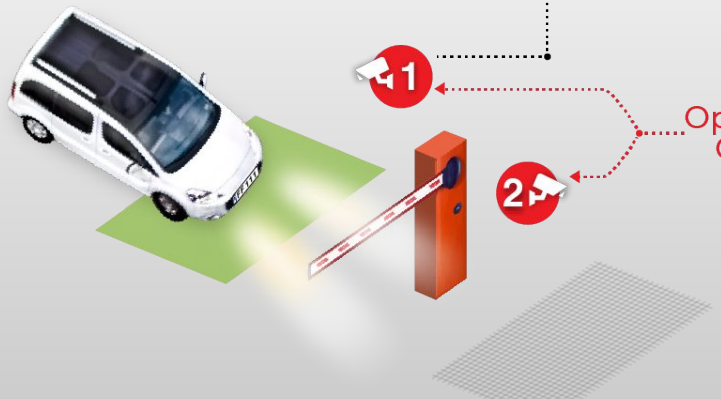
NumberOk Lite
as a data sensor



Video (RTSP)

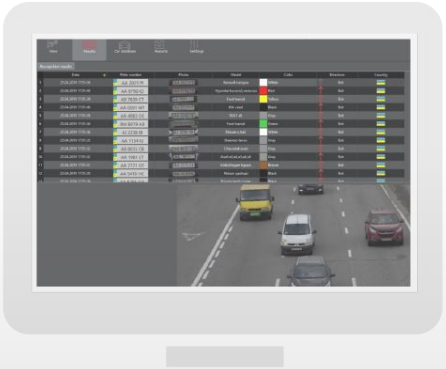
Open barriers using Camera* Output

NumberOk Lite

Meta Data

FF 111

Parking SW



Payment

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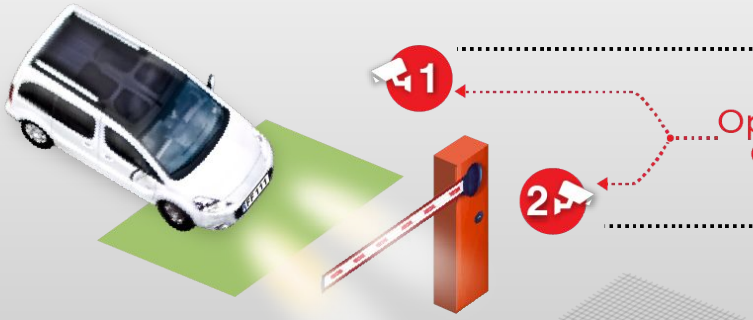
NumberOk SMB
with in-built business logics

ALERT 01	LP is not Lost
ALERT 02	LP and Brand Mismatch
ALERT 03	Parking accurancy **FULL**
ALERT 04	Time staying - **13:03**



Video (RTSP)

Open barriers using Camera* Output

Video (RTSP)

NumberOk SMB (Server)

FF 111
FF 222
FF 333

Whitelisted vehicles

*for cameras Axis, Hanwha

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Cooperation invitation

Technical partnership: you provide us integration protocols, we develop NumberOk Integration with your parking system.

Marketing: discussion of promotion of solution.

Sales: start sales via your partner networks.

FF Group is open for discussion of your technical requests and business models.

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“We are open for cooperation with parking vendors”

Nina Osypova

Head of Partnership Relations ***FF Group***

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