



# CCTV

## Parkovací systém Dahua



komplexní řešení elektronických  
systémů budov





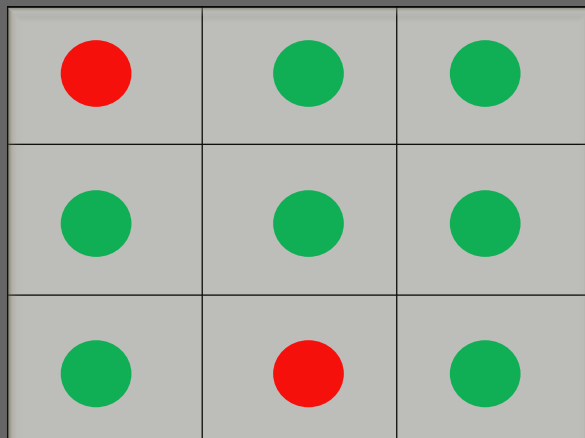
# Parkovací systémy Dahua





Inovace v technologii parkovacích systémů!

# Jaký je rozdíl?



Ultrasonic Sensor



Camera Detection

Otevírá oči pro obsluhu parkoviště



# Vlastnosti | Intelligence

— *Více vestavěných algoritmů*

2016-04-12 09:30:42.015 车位区号:  
车位号249 浙A186NA 车牌:蓝 车位状态:有



- ➔ Registrační značka
- ➔ Obrys vozidla
- ➔ Nápis, protisvětlo, atd...

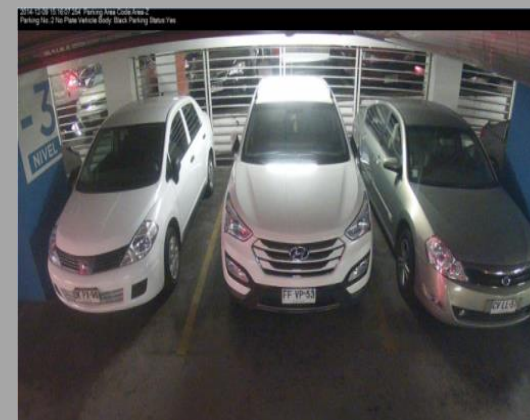
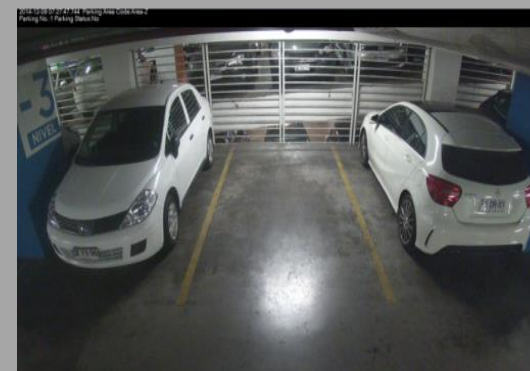
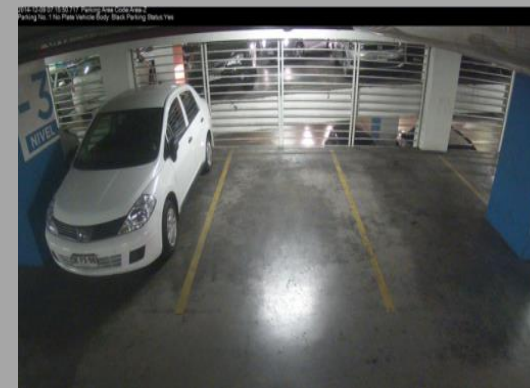
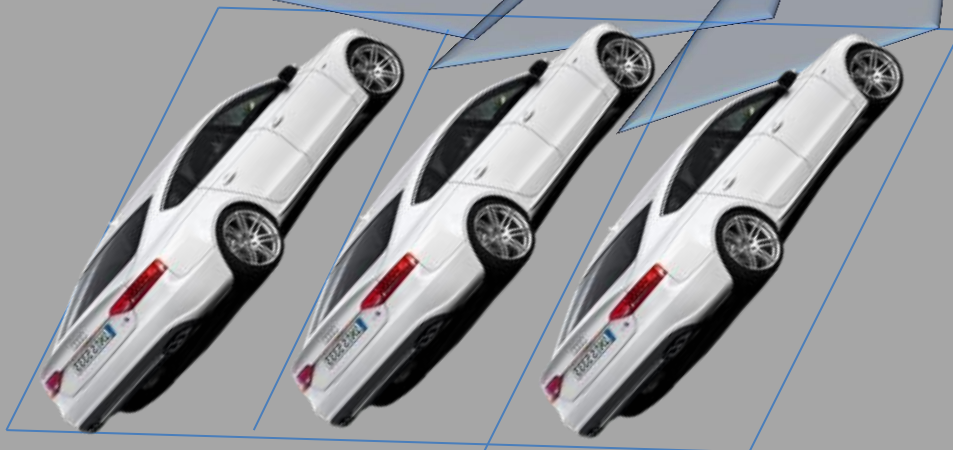
# Návrh systému

# Detekce místa

Detekční kamera indikuje stav parkovací oblasti dle počtu vozidel (i bez RZ)

Volná parkovací místa

2 ← 1 ↑ 1 →

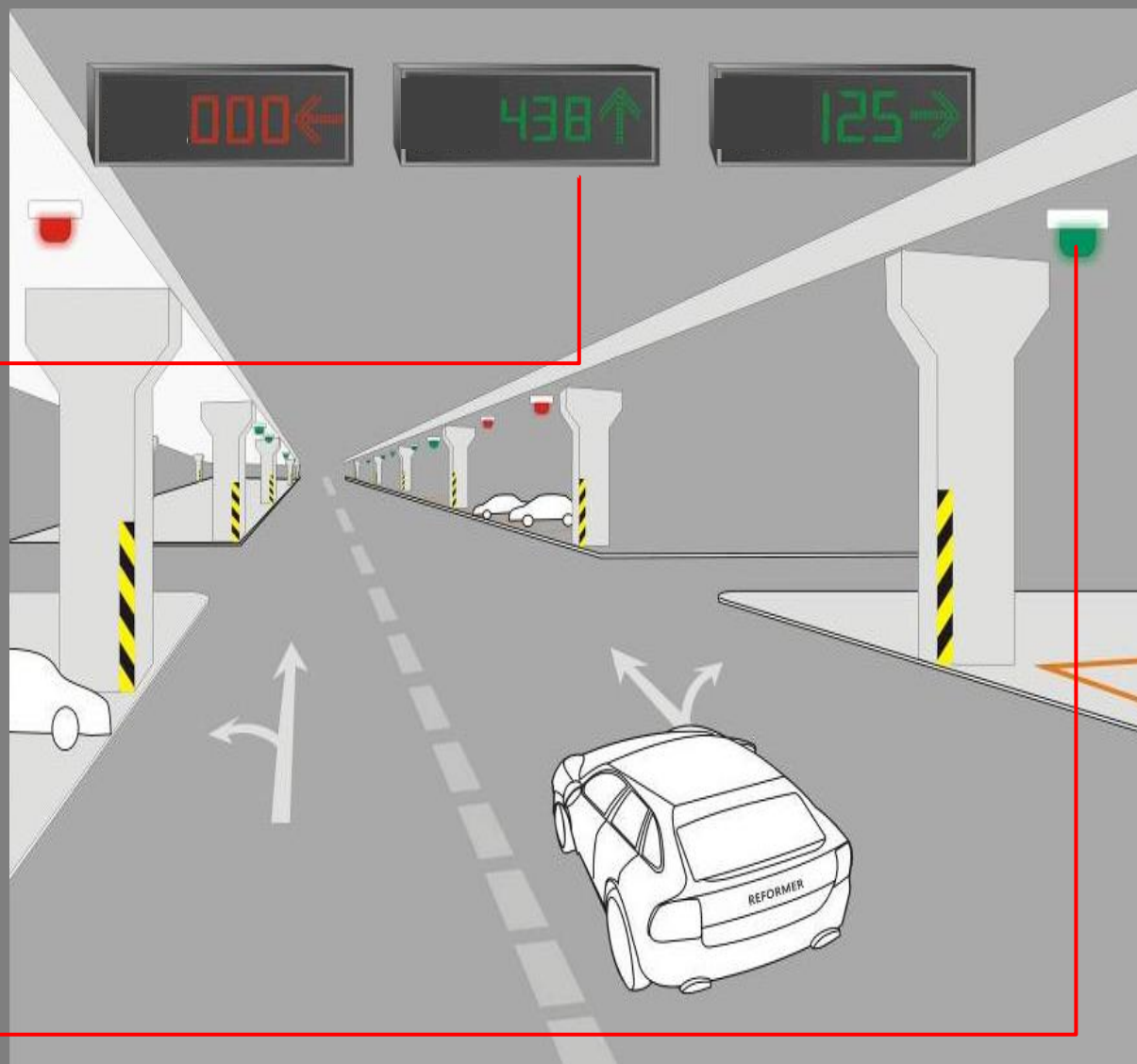


## Zobrazení volných míst

Informační LED zobrazí volná parkovací místa počtem a směřuje řidiče ukazatelem směru.

## Obsazenost parkovací pozice

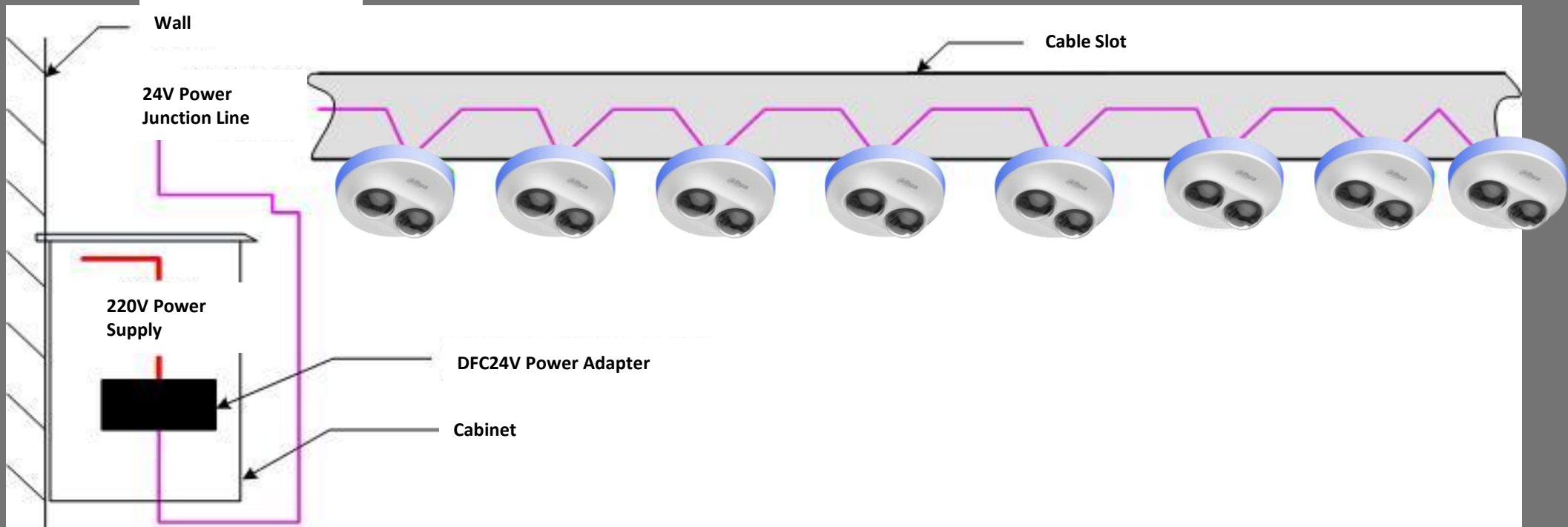
Řidič může vyhledávat volná místa dle světelné signalizace a navigačních LED ukazatelů.





# Vlastnosti | Snadná instalace

— *ekonomické síťové rozvody*



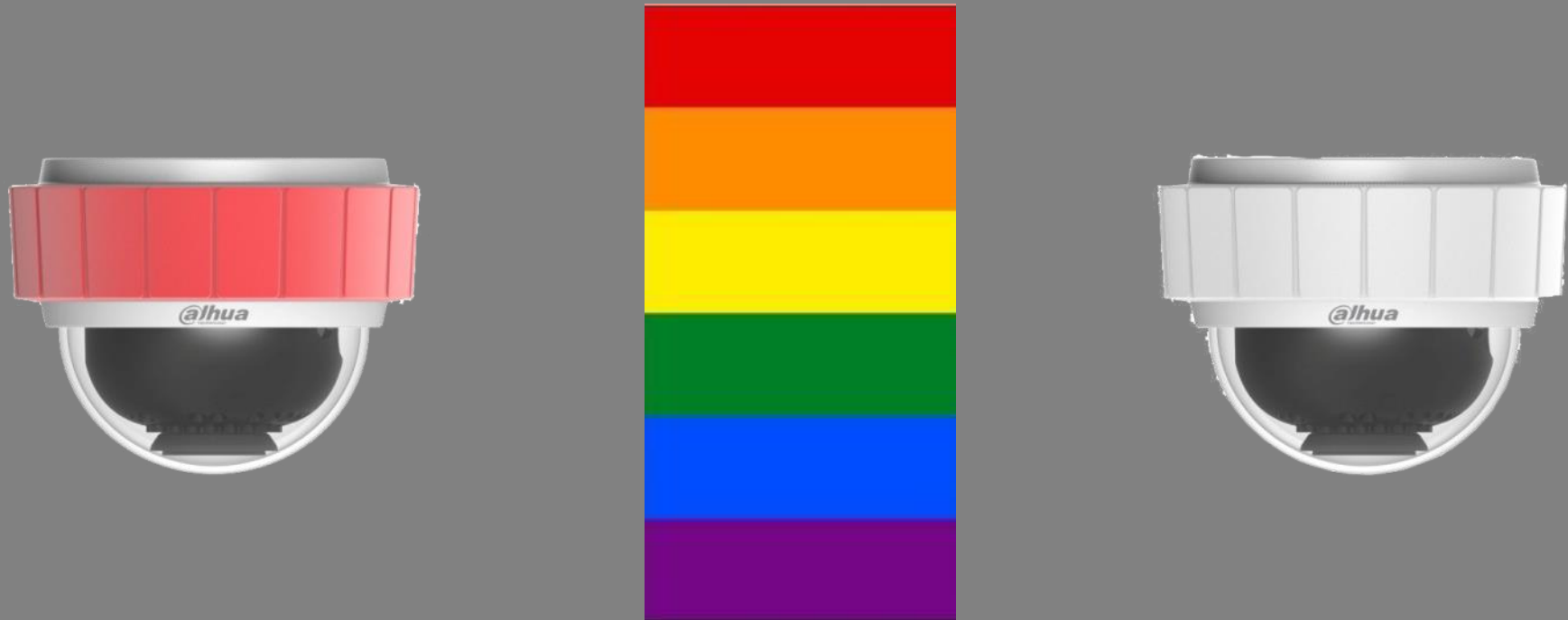
➔ DC 8~26V

➔ zřetěžená topologie zapojení IP parkovacích kamer (10 kamer / větev)





# Vlastnosti | Indikace stavu

— *Různé barvy LED podsvícení*



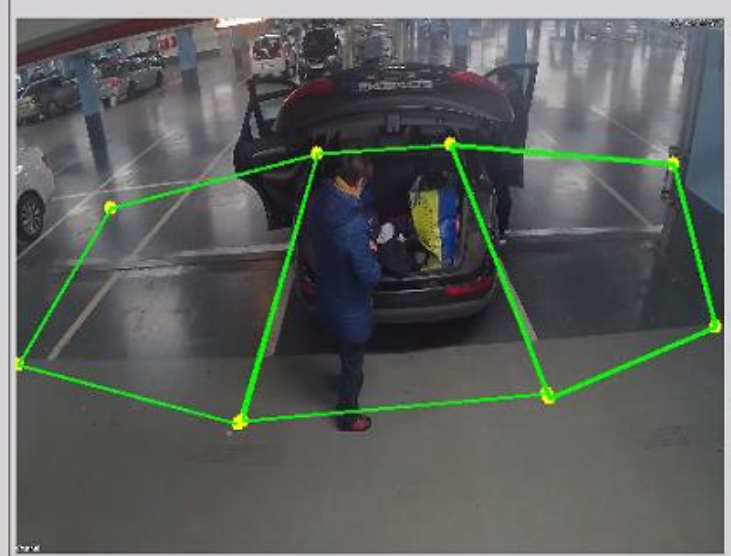
- LED: 8 různých barev (vč. bezbarvé verze)+ blikání
- Integrovaná LED signalizace místa do patice kamery
- Nízký příkon: <7W

# Přehled verzí parkovacích kamer Dahua

	ITC114-PH1B-F3(3.6mm)	1.0.01.09.10474 1.0.01.09.10470(DHI)
	ITC114-PH1B-F6(6mm)	1.0.01.09.10475 1.0.01.09.10471(DHI)
	ITC314-PH1B-F2(2.8mm)	1.0.01.09.10461 1.0.01.09.10472(DHI)
	ITC314-PH1B-F3(3.6mm)	1.0.01.09.10462 1.0.01.09.10473(DHI)
	ITC314-PH1A-TF2(2.8mm)	1.0.01.09.10331 1.0.01.09.10330(DHI)

- ITC
  - Parking Property Config**
  - OSD Config
  - Light Control
  - RS485/232
  - Intelligence Default
- Camera
- Network
- Event
- System
- Information

- Parking Property | **Scene** | Recognition | Advance Config



Auto Identity Parking Space (If has problem, please click Refresh button)

Park Region  Shield Region

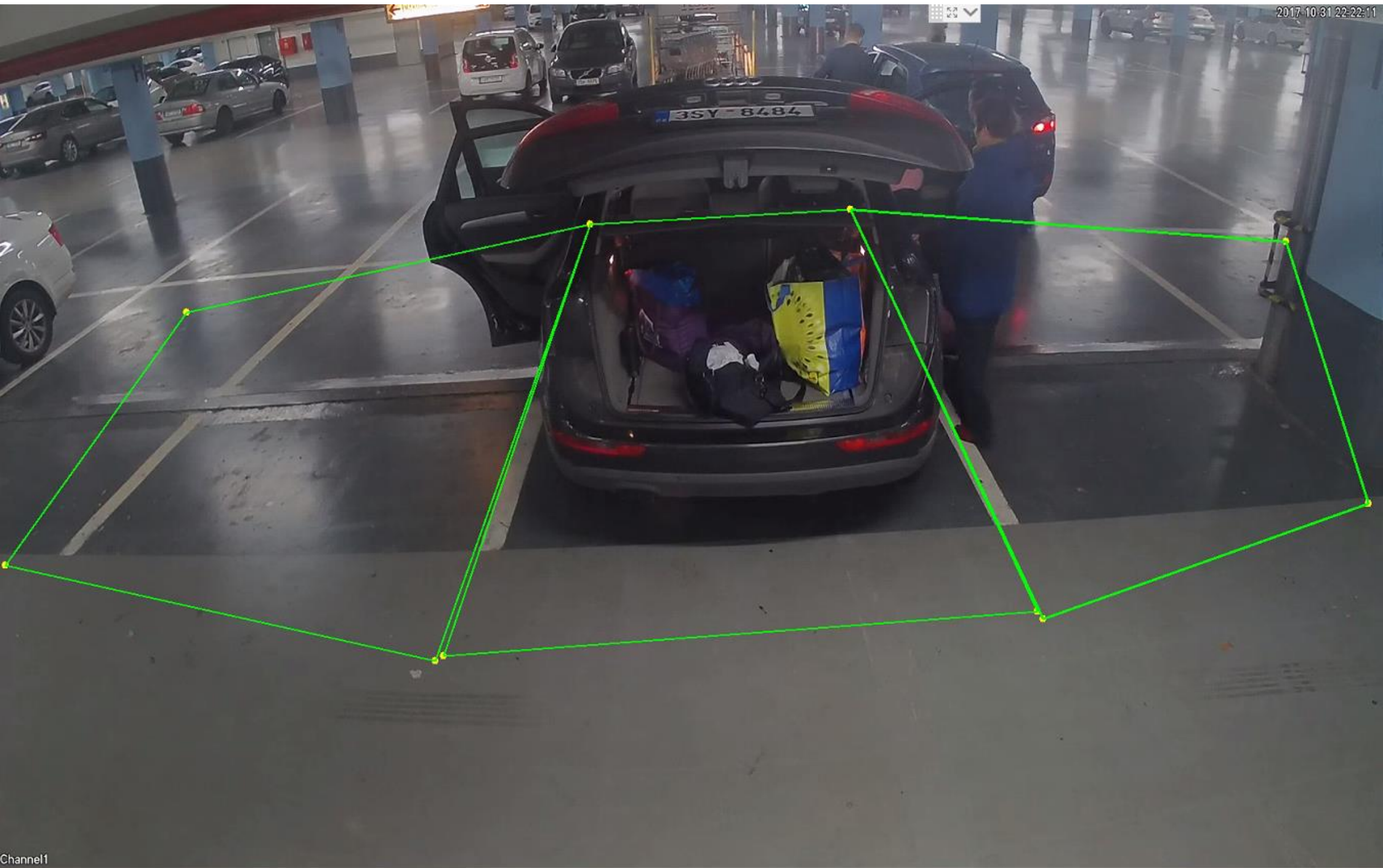
Redraw

Park Region	Delete
Region1	⊖
Region2	⊖
Region3	⊖

Shield Region	Delete
---------------	--------

Refresh Save

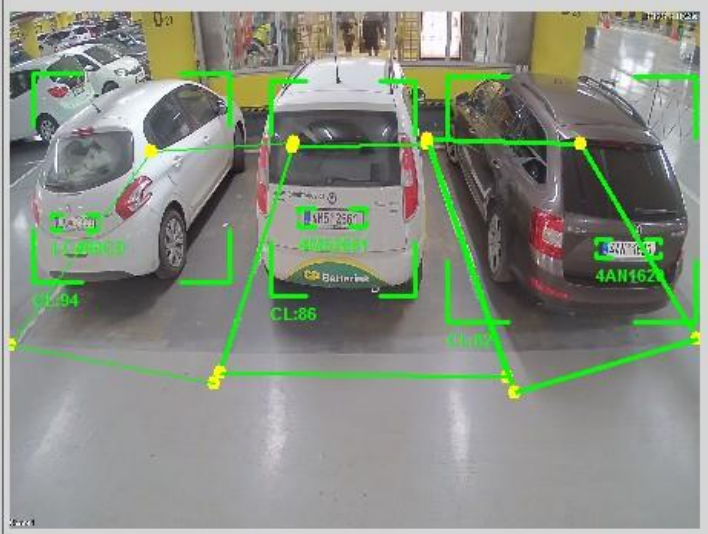
## Nastavení detekčních zón





# WEB SERVICE v3.0

- ITC
  - Parking Property Config
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EnableIntelligentFr CL:Confidence Level

Park Region

Redraw

Park Region	Delete
Region1	⊖
Region2	⊖
Region3	⊖

Refresh Save

WEB SERVICE v3.0

Live Query Setup Alarm

Main Stream Sub Stream Protocol TCP

Receive Pictures



Obtain Plate Info

**4M52661**



Index	Parking Status	Capture Time	Parking	Plate	Vehicle Color	Country
3	Vehicle Parking	2018-02-19 10:51:32	2	4M52661	Black	CZE
2	Vehicle Parking	2018-02-19 10:51:25	3	4AN1620	Black	CZE
1	Vehicle Parking	2018-02-19 10:51:15	1	LC400CD	Gray	SVK

# WEB SERVICE v3.0

Live | Que

- ITC
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Parking Property | Scene | **Recognition** | Advance Config

Capture UnlicensedVehicle    Sensitivity UnlicensedVehicle

Vehicle Sign

Local Plate

Plate Size(Unit:Pixel)

Min Width	<input type="text" value="130"/>	Max Width	<input type="text" value="300"/>	(70-600)
Min Height	<input type="text" value="15"/>	Max Height	<input type="text" value="100"/>	(10-100)

# WEB SERVICE v3.0

Live

- ITC
  - Parking Property Config
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## Light Control

### Light Config

Accept Control

Controlled IP:


### Light Sensitivity Config


Licensed Sensitivity:  (2-300)

Unlicensed Sensitivity:  (2-300)


NoVehicle Sensitivity:  (2-300)


### Light For ParkingSpaces Status

Space Free:   Twinkle 

Space Full:   Twinkle 

### Net Status Config

Single Net Exception:   Twinkle 

Double Net Exception:   Twinkle 

### Remote Control



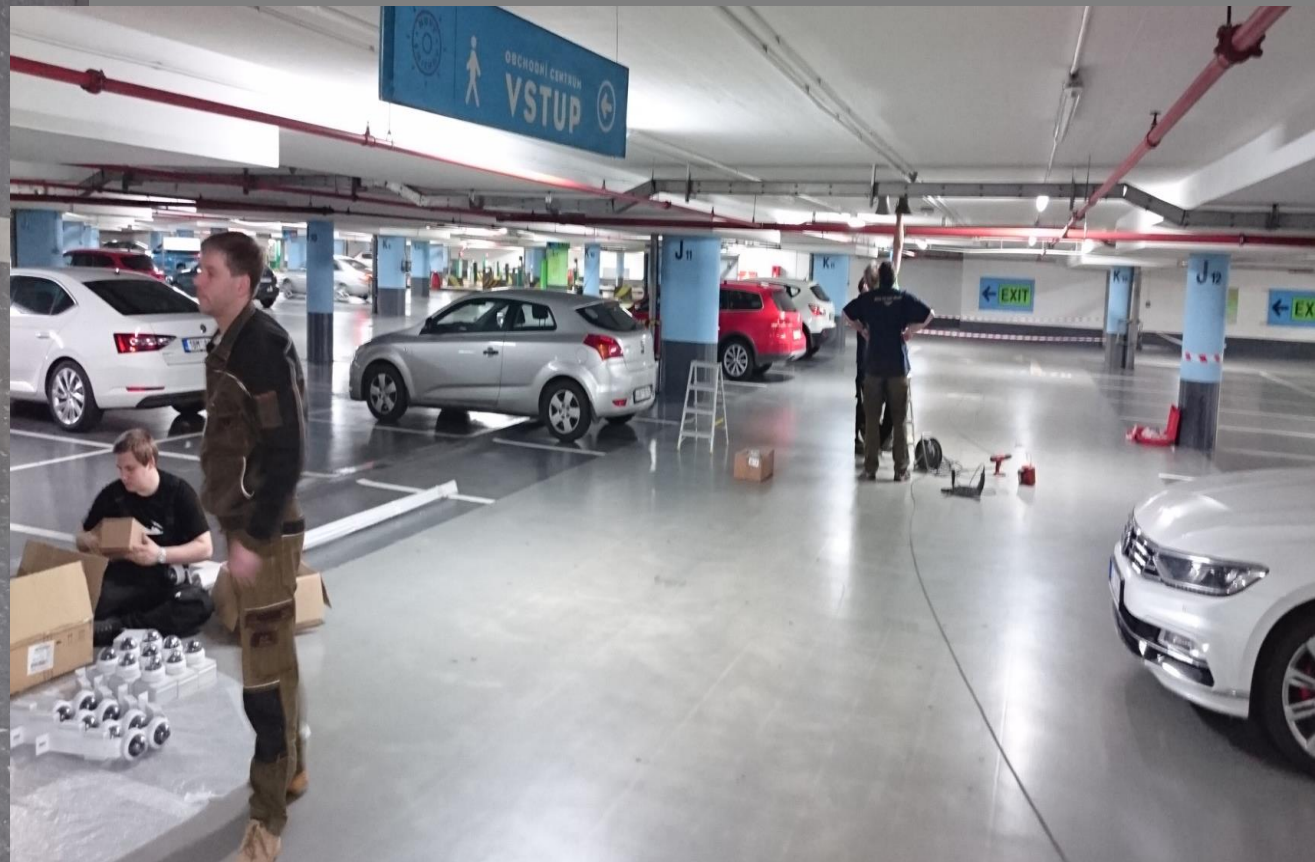


**Pilot 2017**

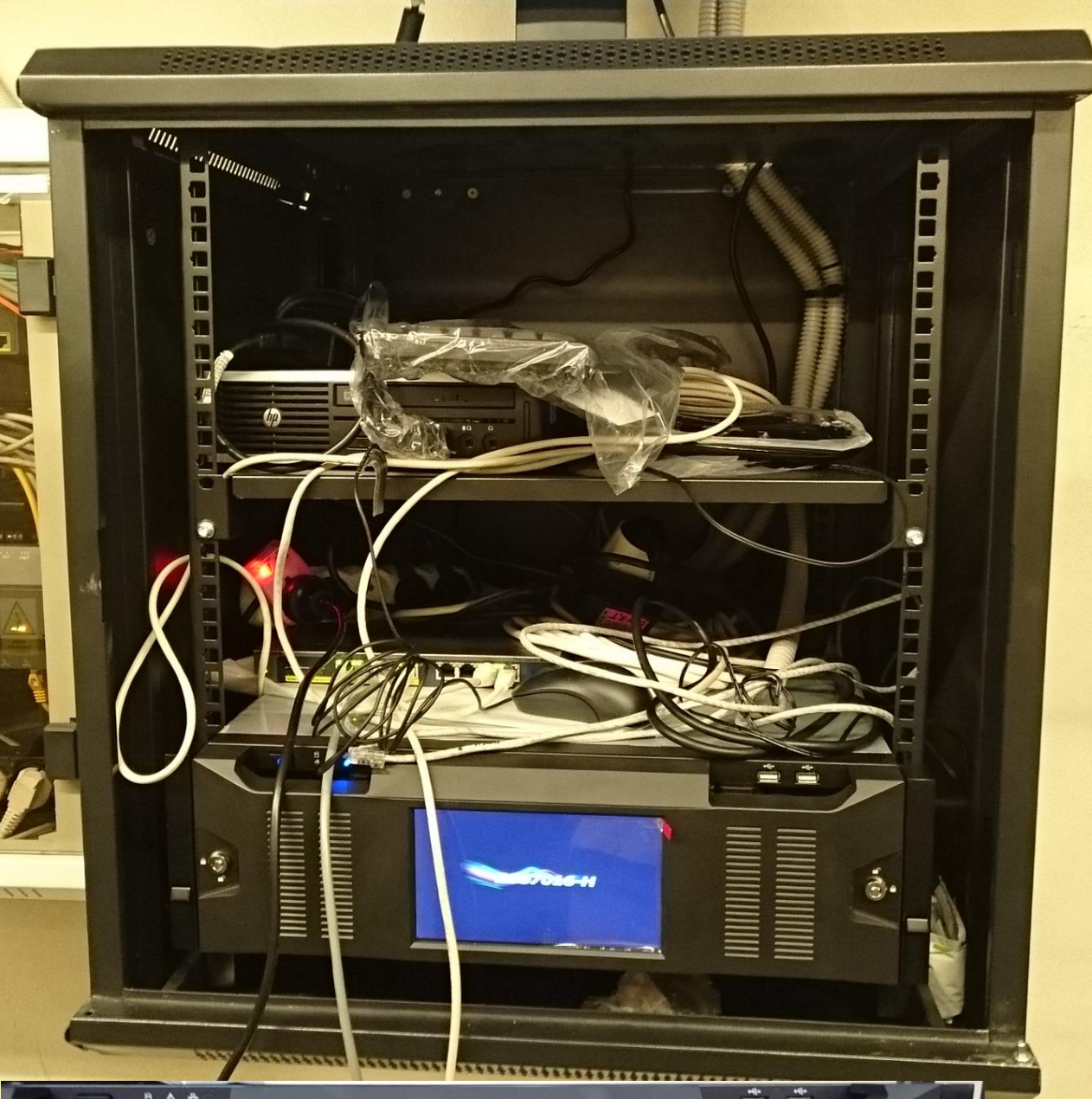




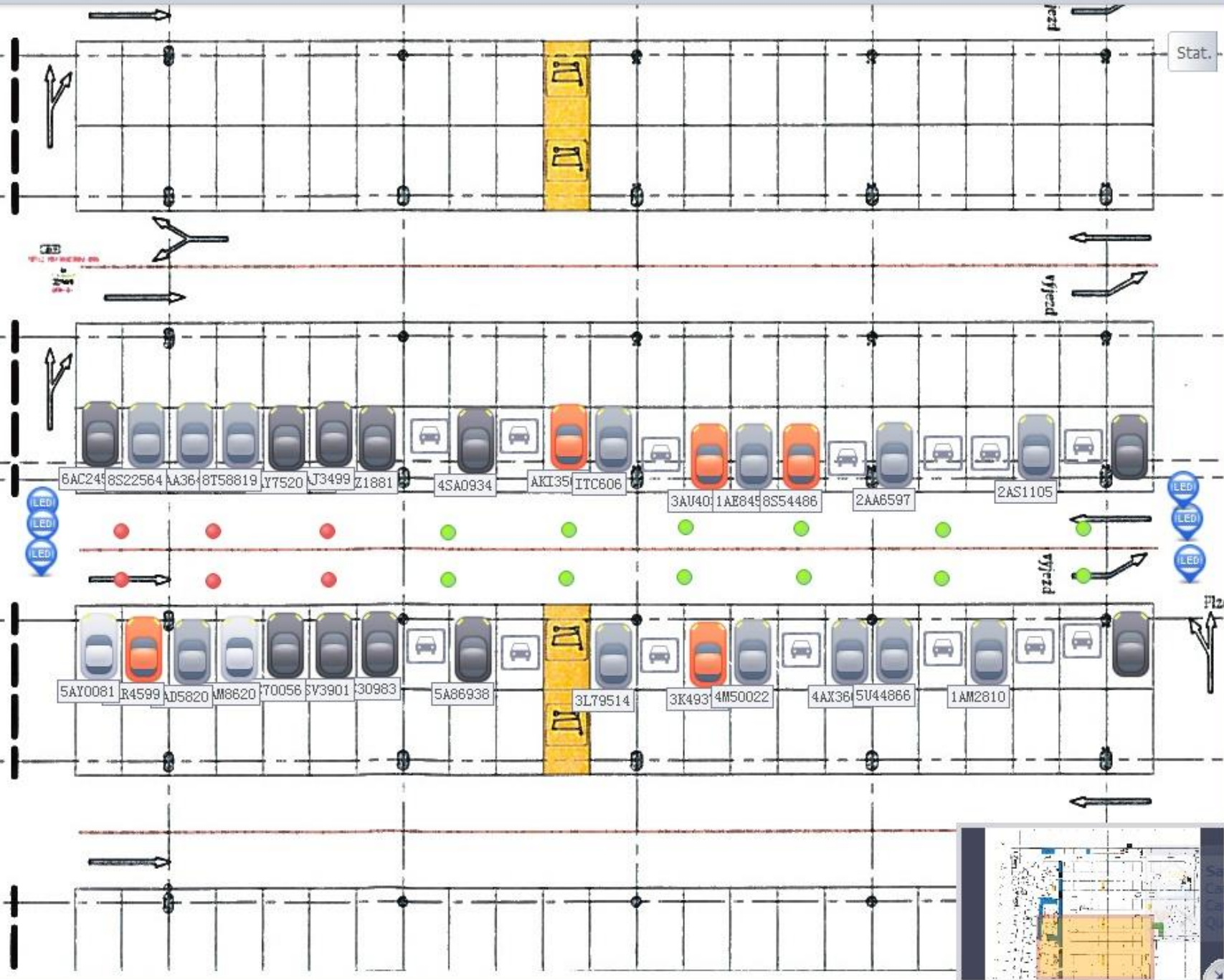












### Basic Operation

- Video
- Vehicle In/Out
- Parking Management
- Access Control
- Alarm
- LED
- Barrier
- Video Intercom

### Information Register

- Vehicle Register

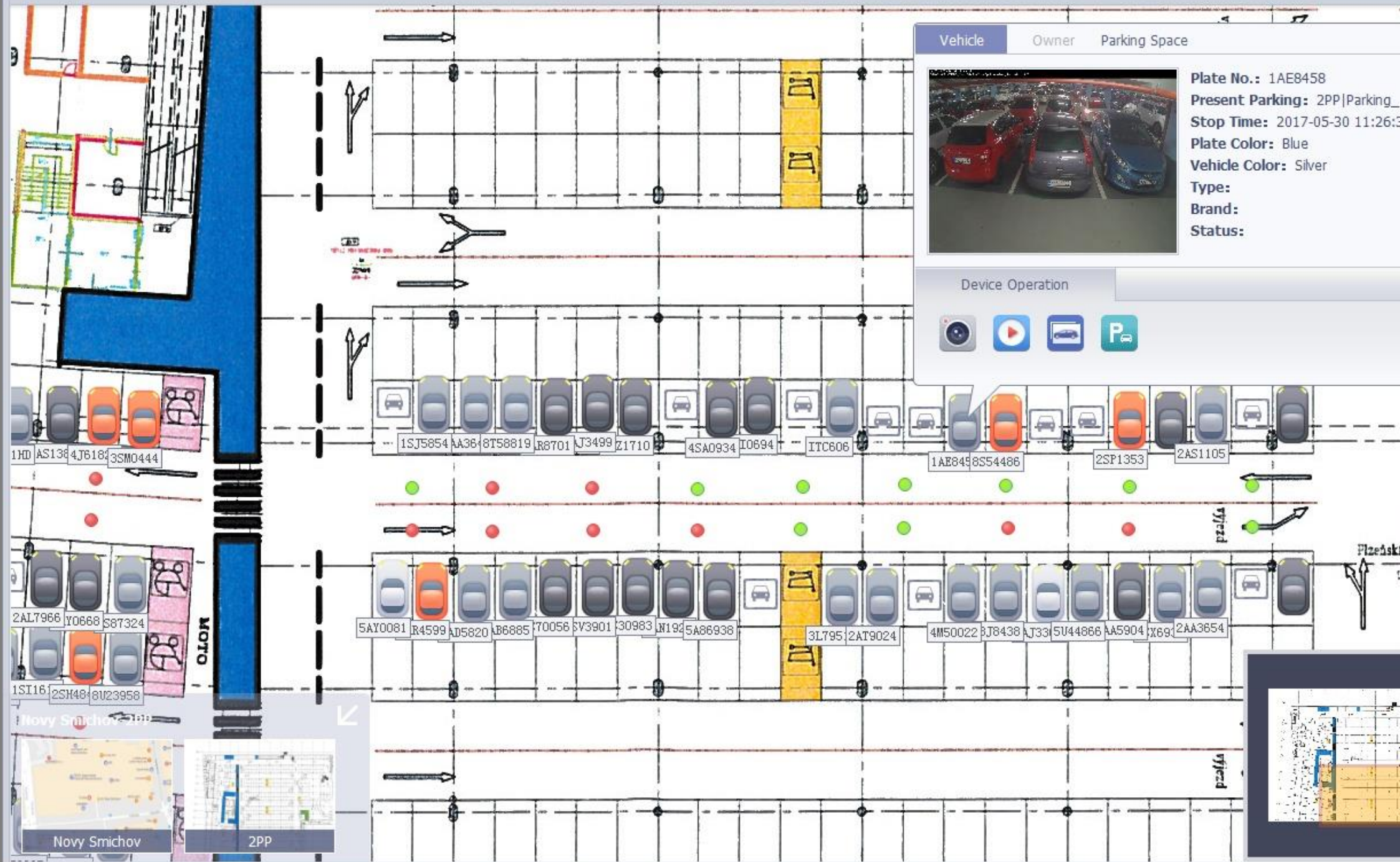
### Information Search

- Internal Vehicle
- Vehicle In/Out
- Parking History



Safety & Health Practitioner  
 ...bridgeshire zookeeper killed by tiger named  
 ...bridgeshire zookeeper killed by tiger named  
 ...of the day: "I've been in the profession for about 7



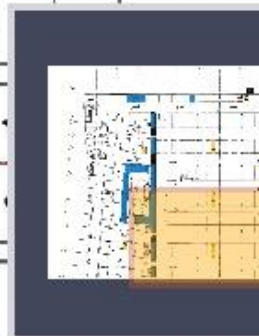


Vehicle    Owner    Parking Space



Plate No.: 1AE8458  
 Present Parking: 2PP|Parking\_  
 Stop Time: 2017-05-30 11:26:3  
 Plate Color: Blue  
 Vehicle Color: Silver  
 Type:  
 Brand:  
 Status:

Device Operation





### Parking Lot History Search

- X

Vehicle Owner Parking Space



**Plate No.:** 8T58819  
**Present Parking:** 2PP|Parking  
**Stop Time:** 2017-05-30 10:27  
**Plate Color:** Blue  
**Vehicle Color:** Silver  
**Type:**  
**Brand:**  
**Status:**

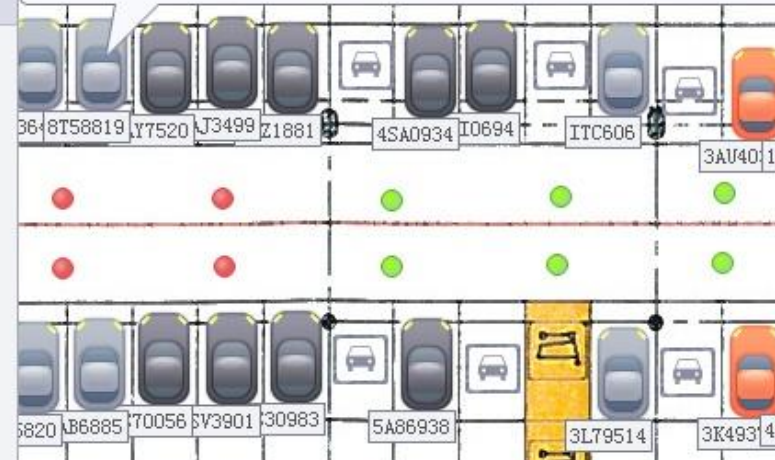
Carport Name:  Plate No.:  Owner Name:

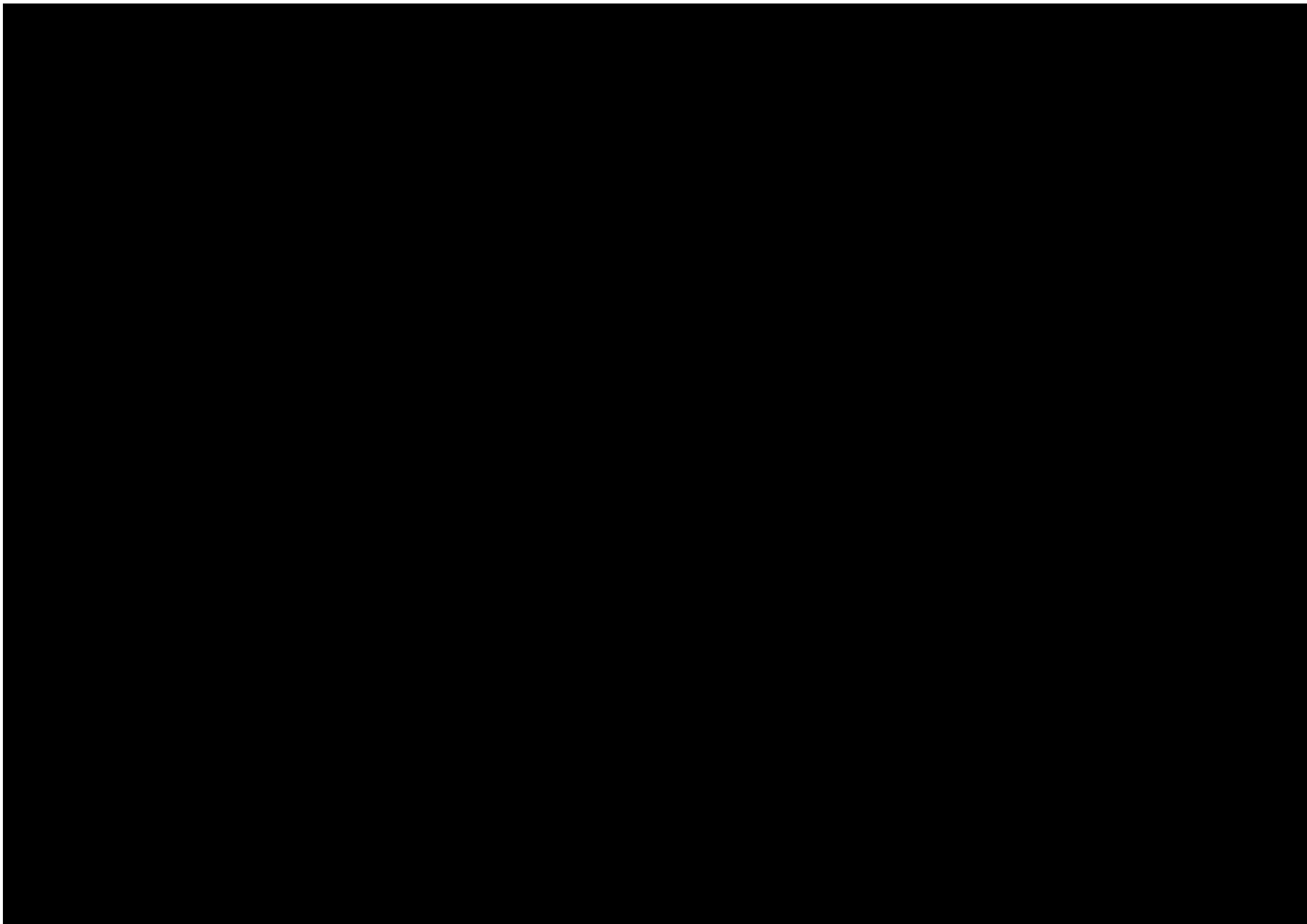
Parking Time:  -

Plate No.	Owner Name	Contact	Entry Time	Exit Time	Carport Name	Operation
8T58819			2017-05-30 10:27:15		Parking_23_2	▶
4J89669			2017-05-30 10:19:23	2017-05-30 10:21:14	Parking_23_2	▶▶
4J89669			2017-05-30 09:14:35	2017-05-30 10:19:01	Parking_23_2	▶▶
4J89669			2017-05-30 09:13:26	2017-05-30 09:14:13	Parking_23_2	▶▶
4AU5890			2017-05-30 06:48:49	2017-05-30 08:48:24	Parking_23_2	▶▶
			2017-05-30 04:17:04	2017-05-30 04:17:45	Parking_23_2	▶▶
			2017-05-30 02:58:58	2017-05-30 02:58:57	Parking_23_2	▶▶
			2017-05-30 02:00:30	2017-05-30 02:01:15	Parking_23_2	▶▶

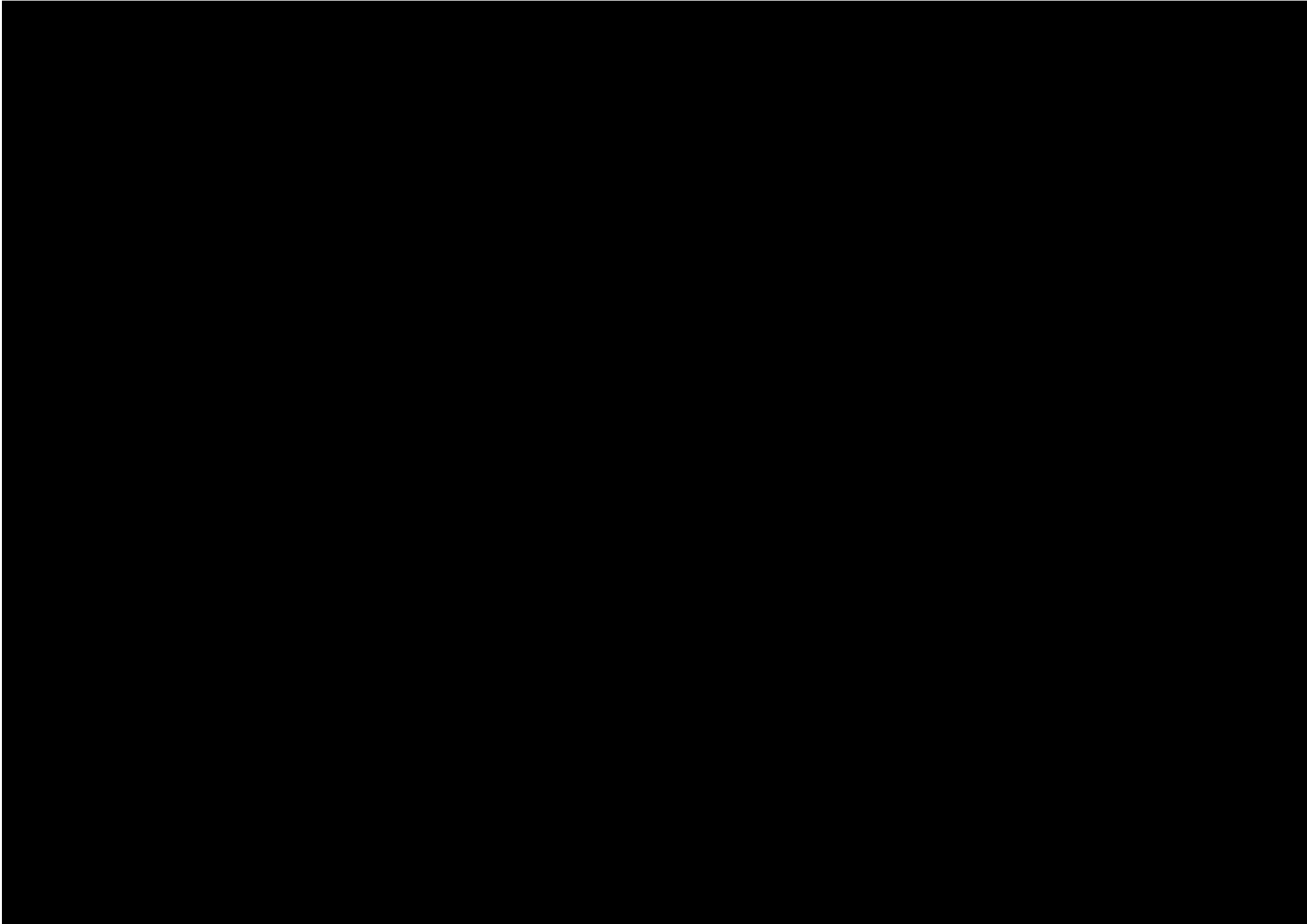
Navigation icons: |< < > >| JUMP TO  GO

#### Device Operation











**NCNS**  
**Realizace 2018**



• THE BEST •  
**HOT DOG**  
— IN TOWN —

D6

← EXIT

D6



VOLNÁ MÍSTA

← 002 ↑ 002 → 002



VOLNÁ MÍSTA

VOLNÁ MÍSTA

VOLNÁ MÍSTA

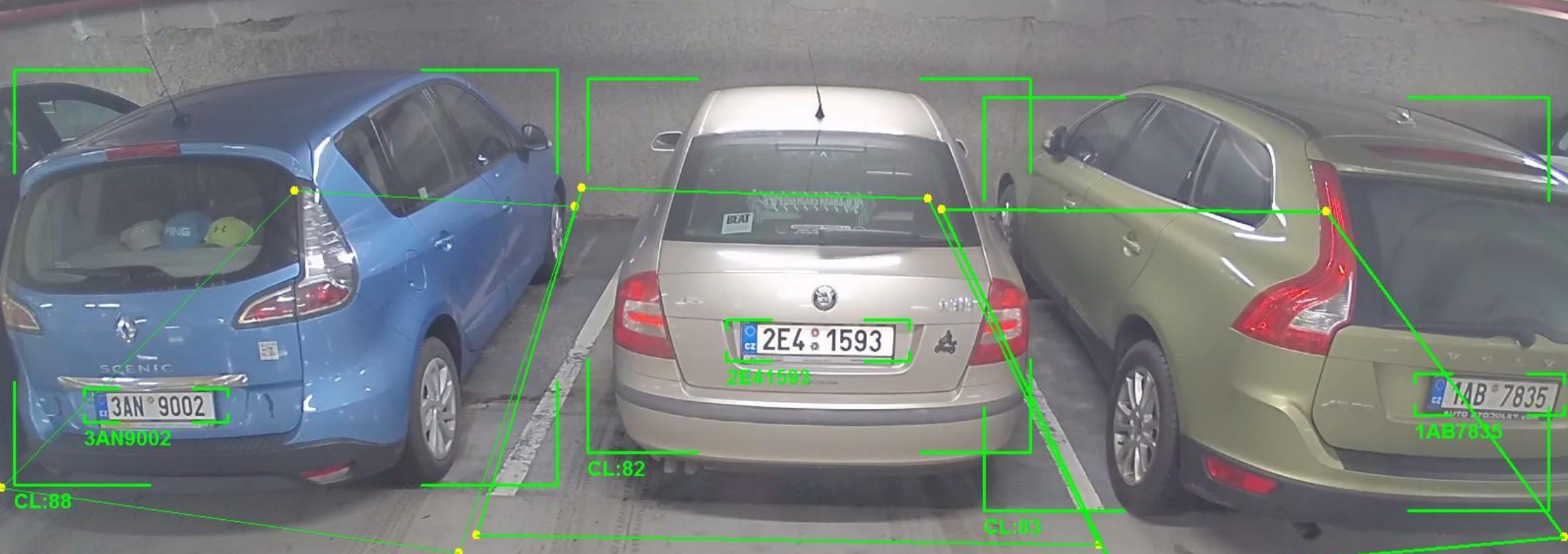
VOLNÁ MÍSTA

VOLNÁ MÍSTA



DA IL 222





Channel1

395 Devices found
 Search setting

All
 IPC
 SD
 DVR
 NVR
 Others

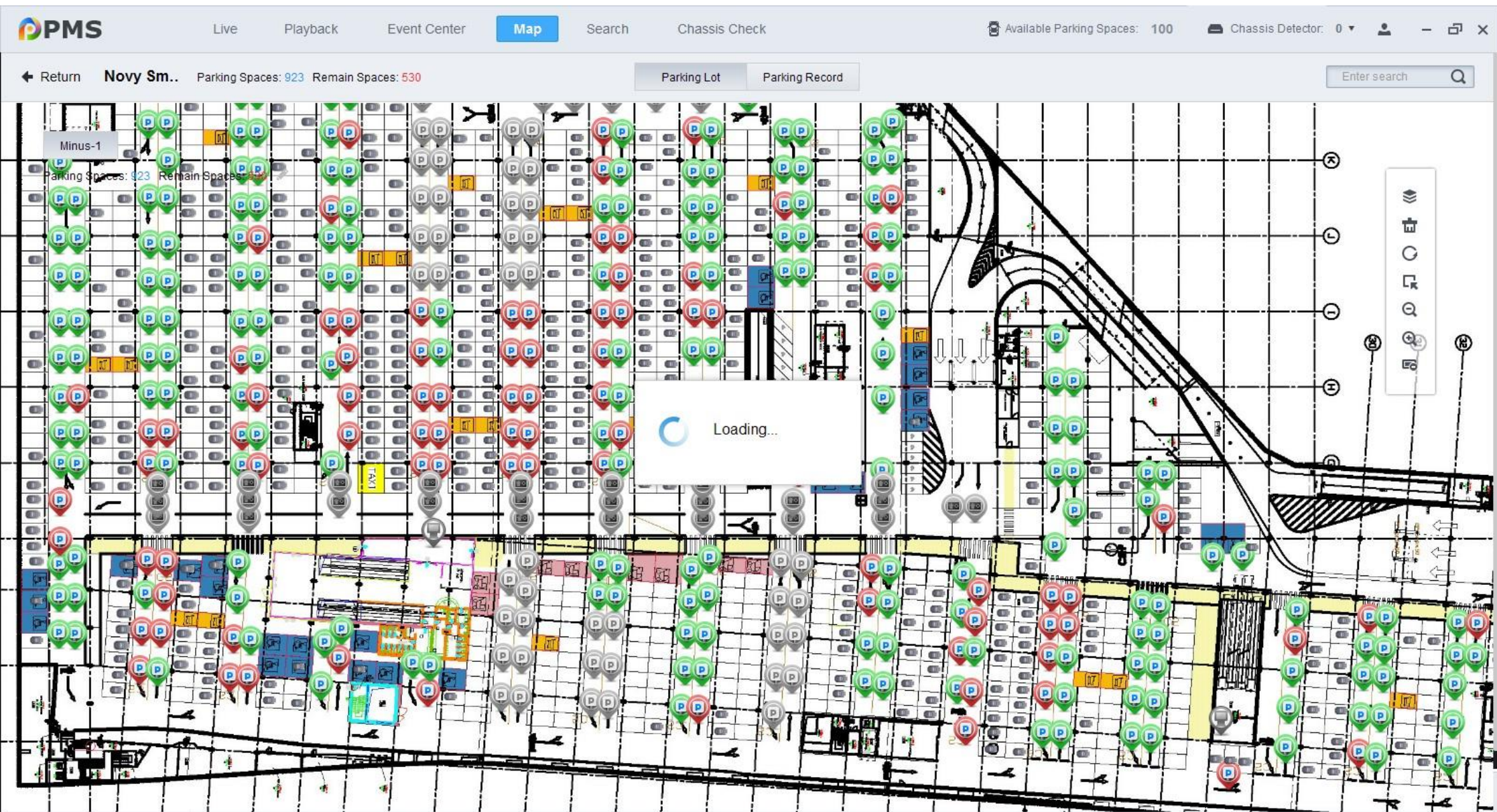
IPV4

<input type="checkbox"/>	NO.	Type	Model	IP	MAC	Version	Operate
<input type="checkbox"/>	1	ITC314-PH1B	ITC314-PH1B	10.0.2.64	14:a7:8b:6b:05:ad		
<input type="checkbox"/>	2	ITC314-PH1B	ITC314-PH1B	10.0.2.218	14:a7:8b:b4:6b:61		
<input type="checkbox"/>	3	ITC	ITC314-PH1B	10.0.1.130	14:a7:8b:6b:05:67	2.622.0000000.1.S	
<input type="checkbox"/>	4	ITC	ITC314-PH1B	10.0.1.76	14:a7:8b:6b:06:bf	2.622.0000000.1.S	
<input type="checkbox"/>	5	ITC	ITC314-PH1B	10.0.2.140	14:a7:8b:6b:05:e2	2.622.0000000.1.S	
<input type="checkbox"/>	6	ITC314-PH1B	ITC314-PH1B	10.0.1.22	14:a7:8b:6b:05:81		
<input type="checkbox"/>	7	ITC	ITC314-PH1B	10.0.2.48	14:a7:8b:6b:06:1e	2.622.0000000.1.S	
<input type="checkbox"/>	8	EVS7048SR	EVS7048SR	10.0.0.20	4c:11:bf:43:e5:5e		
<input type="checkbox"/>	9	ITC	ITC314-PH1B	10.0.2.195	14:a7:8b:6b:05:e8	2.622.0000000.1.S	
<input type="checkbox"/>	10	ITC	ITC314-PH1B	10.0.2.208	e0:50:8b:e6:a1:b2	2.622.0000000.1.S	
<input type="checkbox"/>	11	ITC314-PH1B	ITC314-PH1B	10.0.1.148	14:a7:8b:6b:05:61		
<input type="checkbox"/>	12	ITC	ITC314-PH1B	10.0.2.94	14:a7:8b:6b:06:11	2.622.0000000.1.S	
<input type="checkbox"/>	13	ITC314-PH1B	ITC314-PH1B	10.0.1.118	14:a7:8b:b4:6b:55		
<input type="checkbox"/>	14	ITC314-PH1B	ITC314-PH1B	10.0.2.66	14:a7:8b:6b:05:ae		
<input type="checkbox"/>	15	ITC314-PH1B	ITC314-PH1B	10.0.2.162	14:a7:8b:6b:05:99		

Batch Modify IP
\* 0 devices selected
 Import
 Export
 Manual Add
 Delete



# Vizualizace parkingu





Minus-1

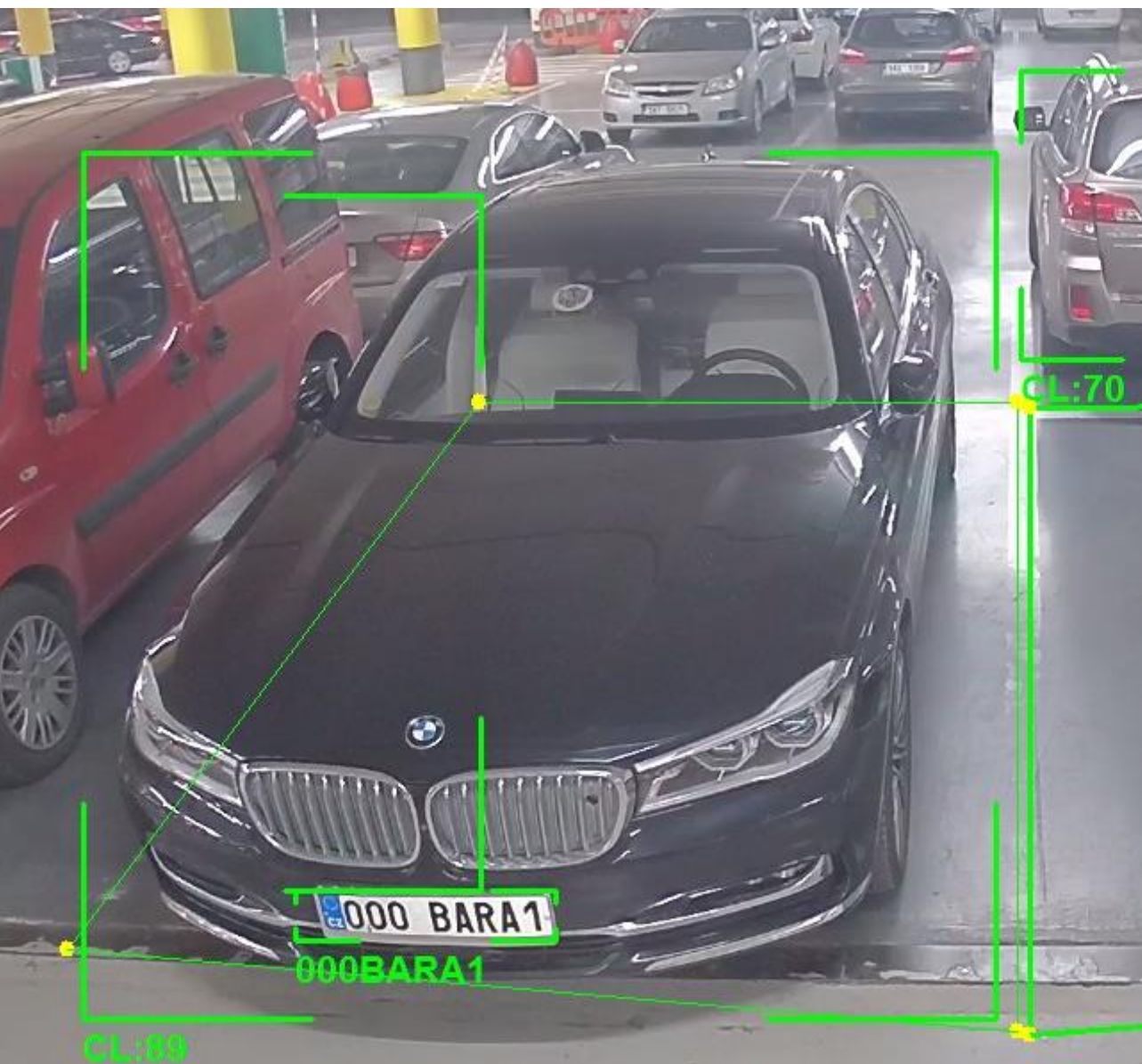
Parking Spaces: 923    Remain Spaces: 10



1 2 3 4 5 6 7 8 9 10 11 12

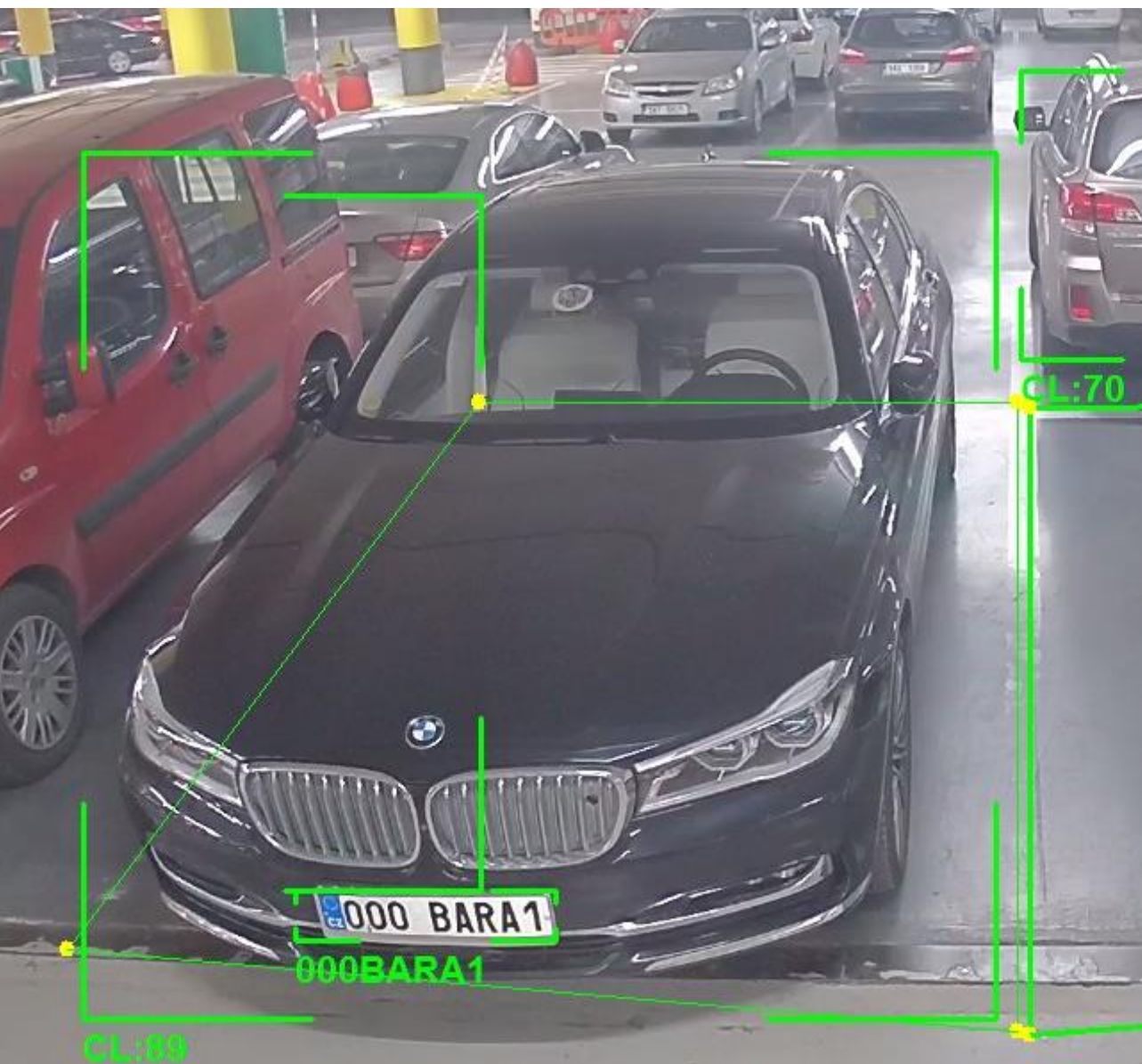


# Jaké RZ systém rozezná?





# Jaké RZ systém rozezná?



# Jaké RZ systém nerozezná?





komplexní řešení  
elektronických  
systémů budov



# DĚKUJI ZA POZORNOST