Hikvision Outdoor Parking Lots Management Solution

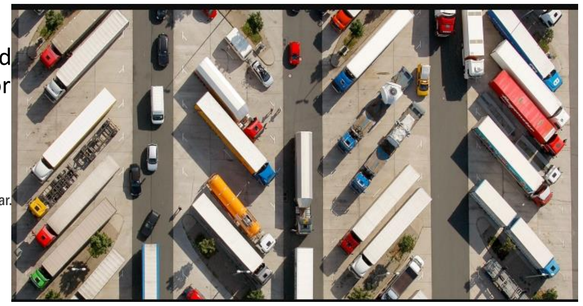
Solution In Nutshell

Pain Points

Hard to Find Parking Spaces

Driver

- Drivers often spend a lot of time in circling around to look for available parking spaces in the outdoor warehouse parking lots, corporate campus, etc.
- Wasted time in looking for parking spaces also may result in more pollutions. (In France, for example, it is estimated that car parking accounts for about 14% of the Greenhouse Gas emitted every year.



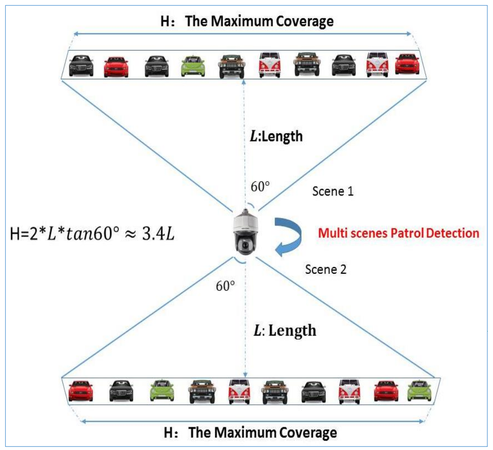
According to research, it estimates that in Lyon and Paris (France), people spend an average of 10 to 12 minutes looking for a parking space. Another research conducted in UK estimates that the average time spent to find a parking space is 7 minutes, yet there is high variability. In some areas in London, the wasted time could grow to 20 minutes.

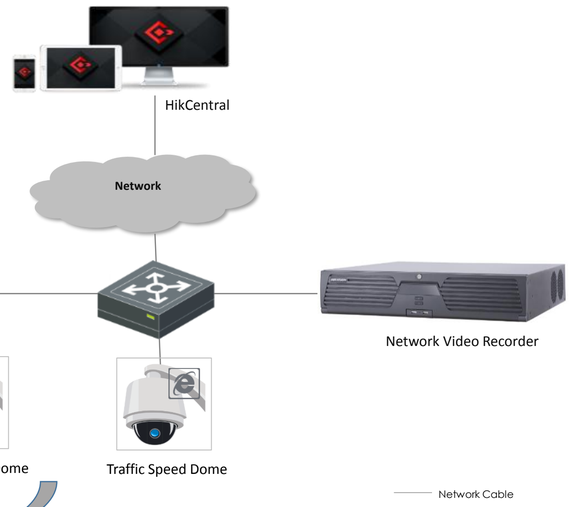
Low-Efficient Vehicle Management

Parking Owner

- Low efficiency in guiding the vehicles to the vacant parking space.
- Disordered vehicles management in the parking lots.

Solution Architecture





Step1: Log on to the device by browser to enable Parking Lots Detection. Draw the parking area and input the number of coverage parking spaces.

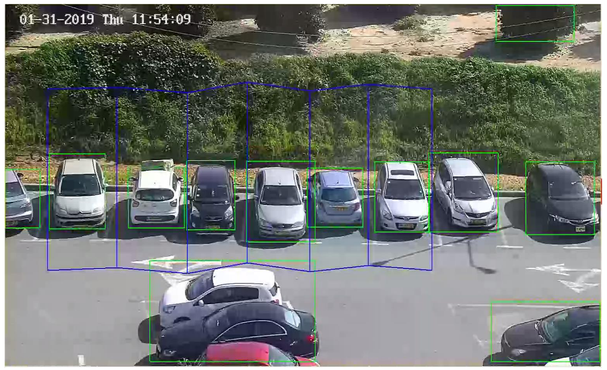
Step2: The speed dome detects if there is a car in the parking space by car feature based recognition, e.g., car lamp, car bumper, etc.

Step3: The speed dome can provide the number of parking cars, the number of vacant parking spaces, and the total number of parking spaces, with pictures and videos.

Solution Highlights

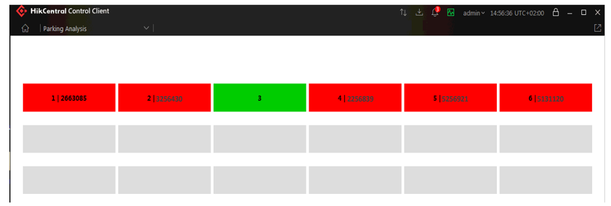
Real-Time Parking Lots Status Monitoring

- Detecting the parking lots status in real time, e.g., whether the parking space is occupied or not.
- Superior high detection accuracy with the built-in deep learning algorithm.
- Facilitating the security guard or personnel to efficiently guide the vehicles to the vacant parking spaces, e.g., guide the warehouse truck to the unloading space.



Parking Vehicles Management

- Recording the parking time of each vehicle on the parking space by HikCentral platform.
- Providing the property security for each vehicle.



High Cost-Effective

- Wide coverage of monitoring the parking spaces.
- Lowering installation and maintenance costs with less devices needed in a parking lot.
- High efficiency in parking guidance.

Third-party System Integration

- SDK is provided for integrating with the third-party system or platform, e.g., parking guidance system, parking charging system, etc.

Product Showcase

iDS-2VS235-F836 Traffic Speed Dome

- 1/1.9'' Progressive Scan CMOS
- 1920*1080 @ 60 fps
- 3 streams
- Color: 0.002 Lux @(F1.5, AGC ON) B/W: 0.0002 Lux @(F1.5, AGC ON)
- 120dB WDR, 3D DNR, HLC, BLC
- H.265+/H.265//H.264+/H.264
- 200m IR distance
- Parking Space Detection, Illegal Parking Detection, Wrong-Way Driving Detection
- High-performance intelligent chips and built-in deep learning algorithm

DS-9600NI-I8 NVR

- 16-ch @ 1080p
- Max. 12 MP camera access
- H.265/H.265+
- Dual-stream recording
- Up to eight 10 TB HDDs connectable

HikCentral Management Software

- Central management of devices
- Live view and playback
- Alarm & event search
- Real-time parking spaces status view and management
- Health status monitoring

HIKVISION