

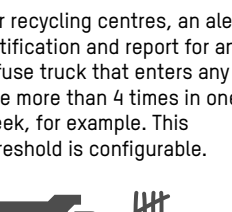
## Entrance & Exit Solution

## Requirement Analysis

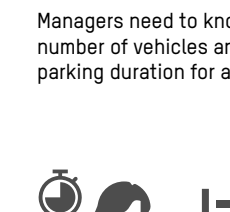
Barrier shall be automatically opened for registered vehicles at certain times.



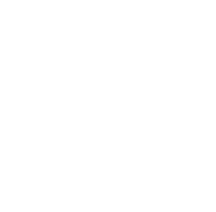
Onsite operator needs to know immediately when certain vehicles arrive, for example, a driver that didn't pay for petrol last time.



For unknown vehicles, an intercom device onsite can call the center for verification and remote opening barrier.



If the driver has more than one car registered and one of the cars has entered, their other vehicles cannot enter until the first car exits.



### EFFICIENCY



Certain types of vehicle, such as trucks, are forbidden to enter or go across a specific area or bridge.



Able to display customised welcome message when vehicle detected in the entrance.

### SECURITY



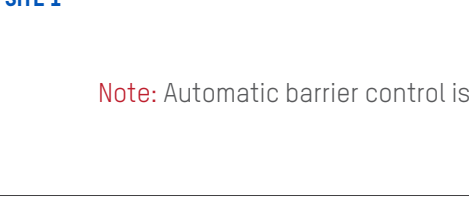
Able to allocate free parking space for different companies in office car parks.



Able to find a vehicle record by vehicle attributes, such as colour, brand, and type.

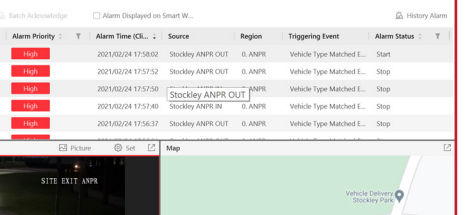
## Applications

## Solution Overview



(without barrier)

Different scenarios may have different requirements for vehicle management or entrance and exit management. HikCentral Professional provides dedicated solutions for customers according to their project requirements.

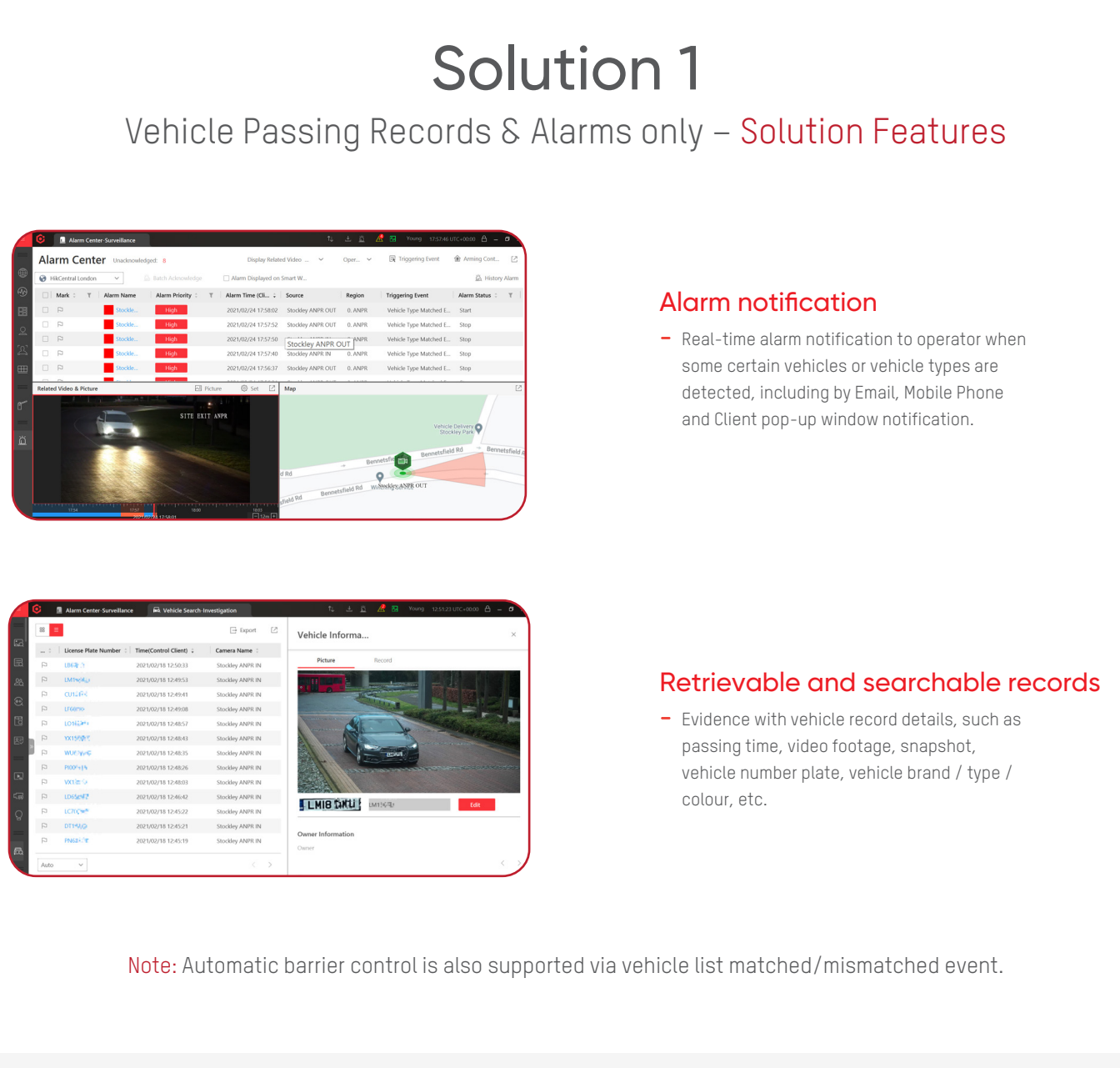


(with barrier)

Here we introduce two solutions according to the requirements in relevant scenarios and software license level.

## Solution 1

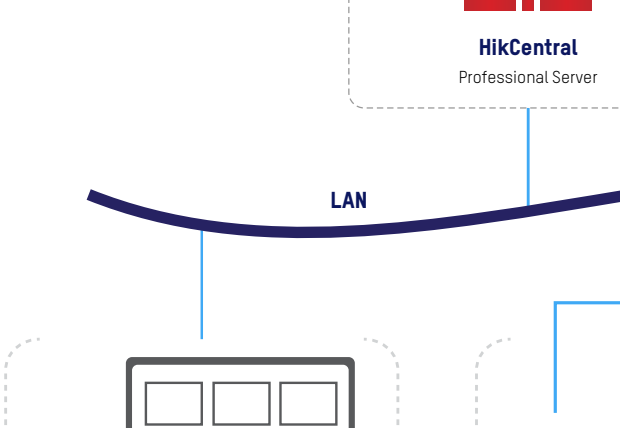
Vehicle Passing Records & Alarms only – Typical Deployment



Note: Automatic barrier control is also supported in the above structure.

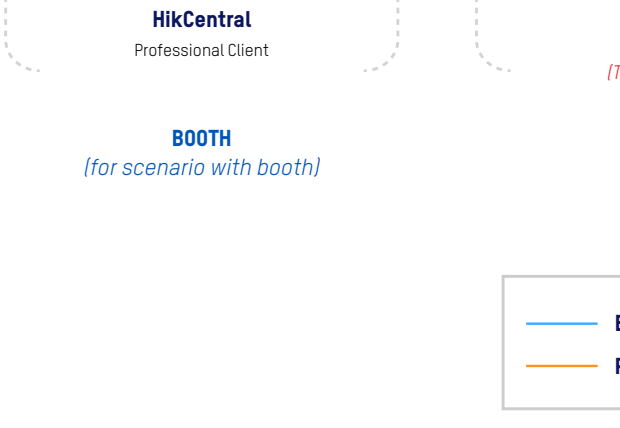
## Solution 1

Vehicle Passing Records & Alarms only – Solution Features



### Alarm notification

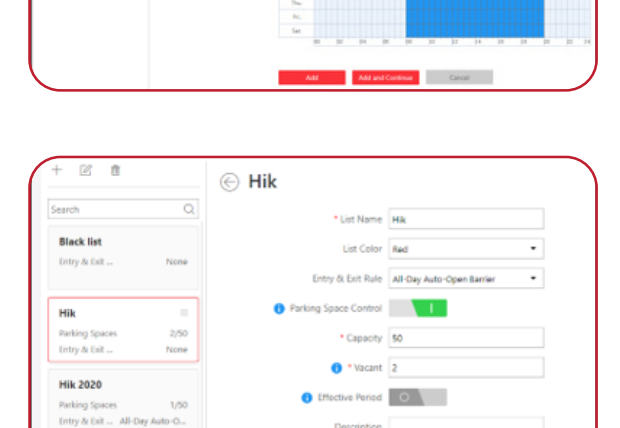
- Real-time alarm notification to operator when some certain vehicles or vehicle types are detected, including by Email, Mobile Phone and Client pop-up window notification.



### Retrievable and searchable records

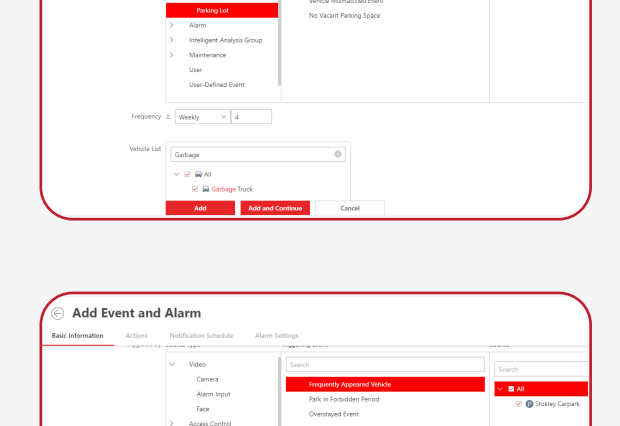
- Evidence with vehicle record details, such as passing time, video footage, snapshot, vehicle number plate, vehicle brand / type / colour, etc.

Note: Automatic barrier control is also supported via vehicle list matched/mismatched event.



### Analysis report

- Showing number of passing vehicles in a trend report, available on Web Client/Control Client/Mobile Client HD, exported manually, or via a scheduled email that can be set up. Original data can also be accessed by 3rd party reporting tool, e.g. PowerBI.

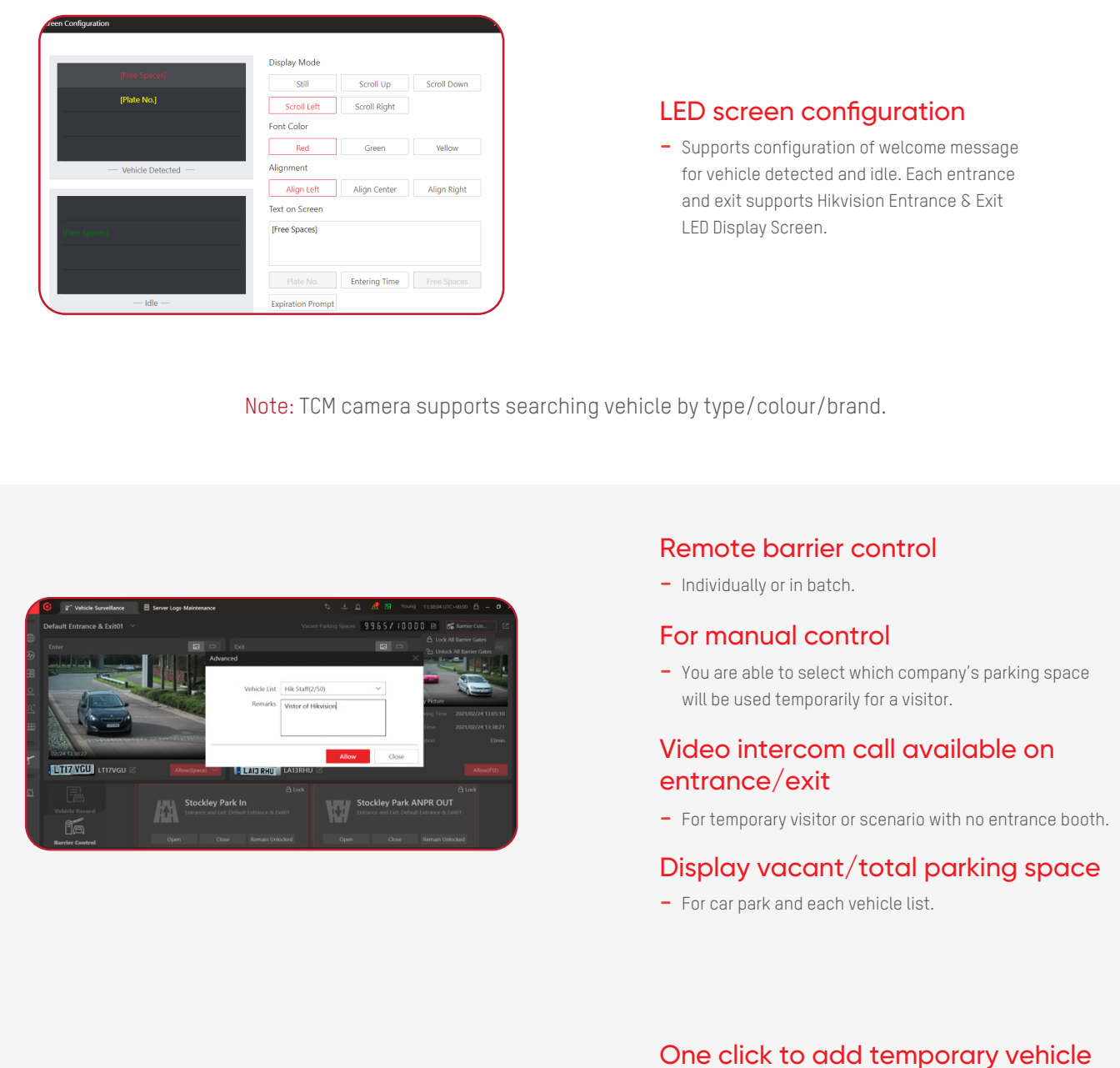


### Live view of camera image with vehicle records

- Dedicated list menu for real-time vehicle records and able to quickly flag up for further investigation, directly add to existing vehicle list, or search for more information.

## Solution 2

Vehicle Entrance & Exit Management – Typical Deployment



Legend: Ethernet Connection (Blue line), Physical Control Wire (Yellow line)

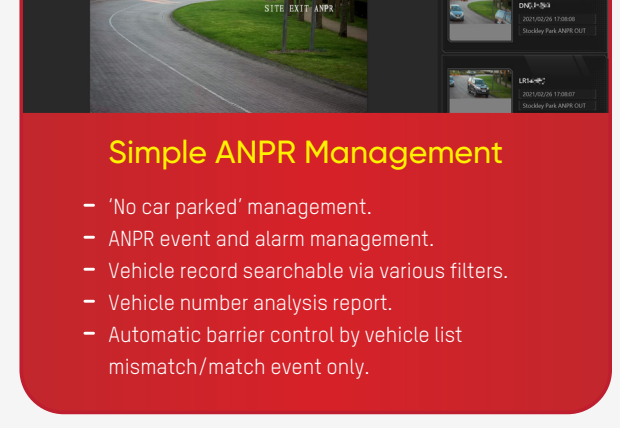
## Solution 2

Vehicle Entrance & Exit Management – Solution Features



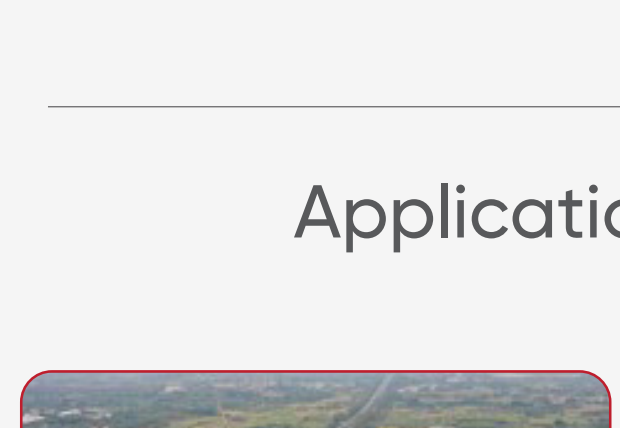
### Flexible entry and exit rule template

- For different vehicles, such as staff, registered visitors, temporary visitors. This helps increase both efficiency and security.



### Parking space control by vehicle list

- Allows a certain number of vehicles from each list, helping make full, flexible use of the car park. It's applicable for a scenario where a person has multiple cars and only one of them is allowed at a time.



### Frequently appeared vehicle alarm

- Supports configuration for specified vehicle list and a daily, weekly or monthly threshold. Real-time alarm notification and report helps manage trucks precisely.

### More alarm types

- Parking in forbidden period, car park full, etc.



### Multiple vehicle search filters

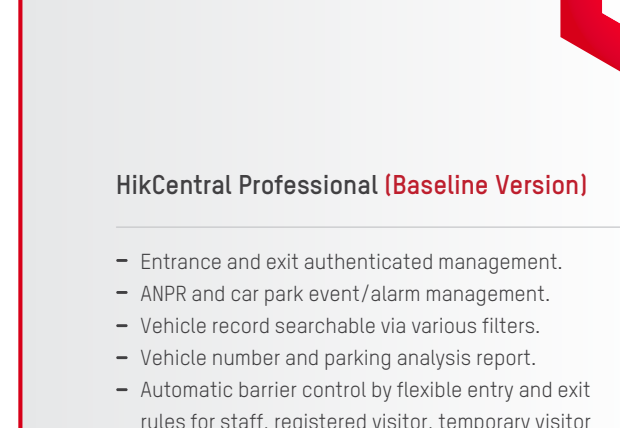
- Allow record searching by plate number, type/color/brand, etc., available on Web Client and Control Client.
- Able to find vehicles that haven't appeared for certain days or about to expire in certain days.



### LED screen configuration

- Supports configuration of welcome message for vehicle detected and idle. Each entrance and exit supports Hikvision Entrance & Exit LED Display Screen.

Note: TCM camera supports searching vehicle by type/color/brand.



### Remote barrier control

- Individually or in batch.



### For manual correction

- You are able to select which company's parking space will be used temporarily for a visitor.



### Video intercom call available on entrance/exit

- For temporary visitor or scenario with no entrance booth.



### Display vacant/total parking space

- For car park and each vehicle list.



### One click to add temporary vehicle to vehicle list

- For further investigation.



### Manual correction available

- If license plate number automatically detected is wrong.



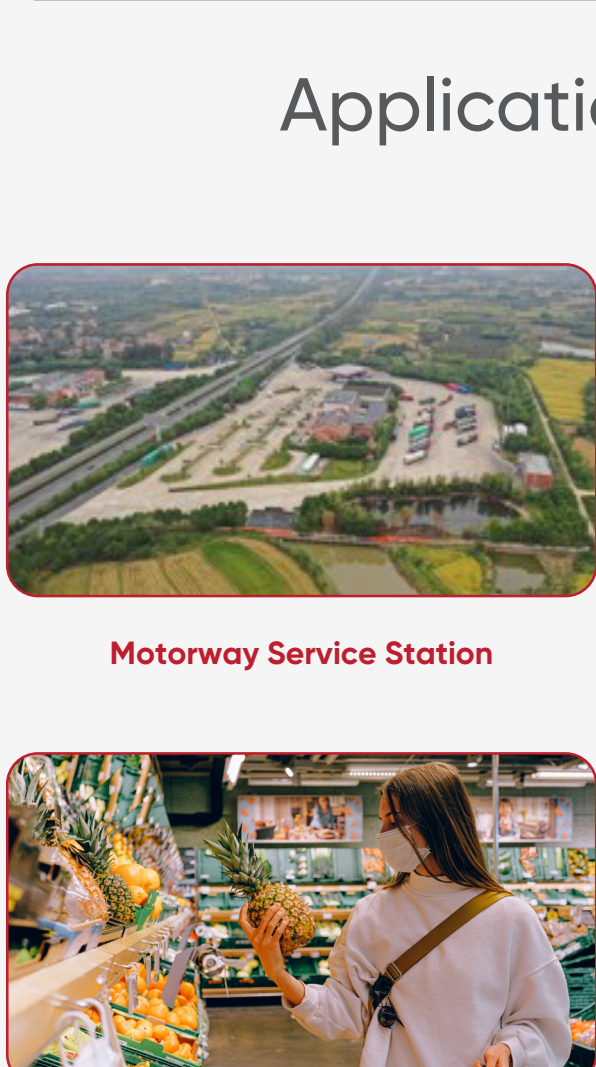
### Car park business overview and report

- Customised fuzzy matching rules

## Solution Summary

## Comparison

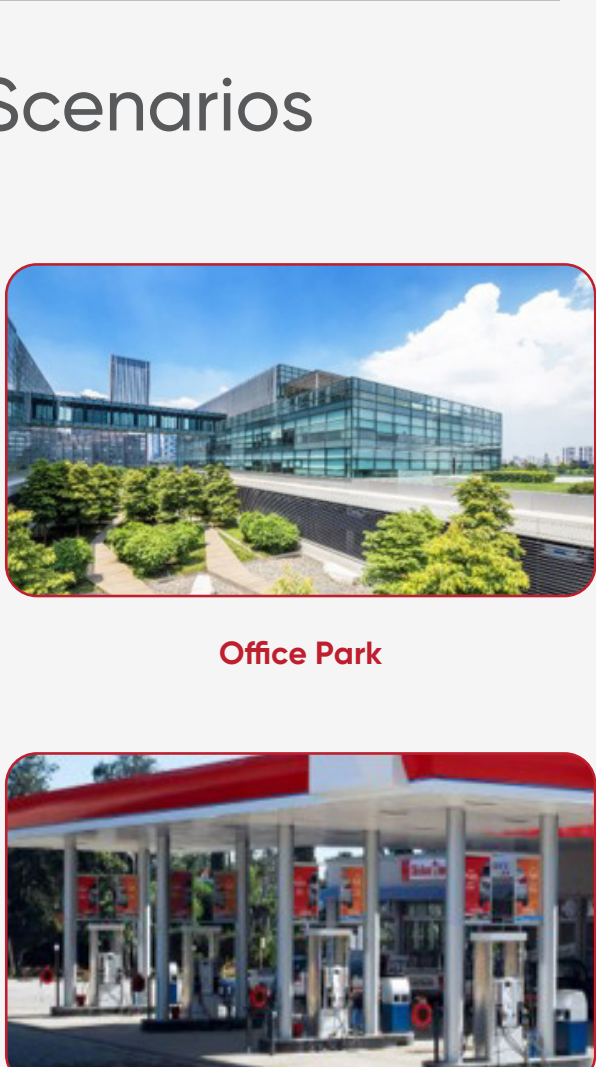
### Solution 1: Vehicle passing records and alarms only



#### Simple ANPR Management

- No car parked management.
- ANPR event and alarm management.
- Vehicle record searchable via various filters.
- Vehicle number analysis report.
- Automatic barrier control by vehicle list mismatch/match event only.

### Solution 2: Vehicle entrance & exit management



#### Car Park Management

- Up to 1 car park, 8 vehicle lanes per server.
- Entrance and exit authenticated management.
- ANPR and car park event/ alarm management.
- Vehicle record searchable via various filters.
- Vehicle number analysis report.
- Parking analysis report.
- Automatic barrier control by flexible entry and exit rules for staff, registered visitor, temporary visitor and unauthorised vehicle, etc.
- Remote barrier control.
- Available parking space allocation for different vehicle lists.

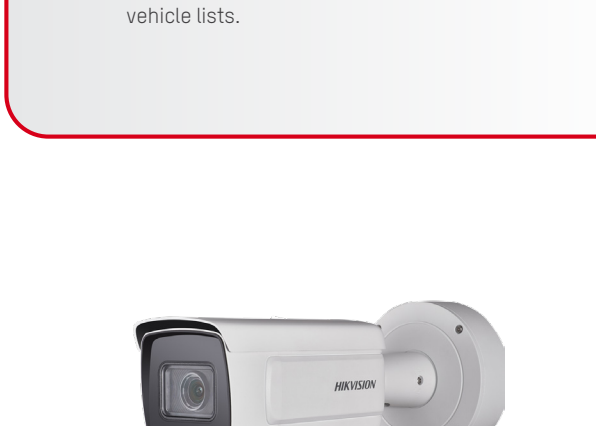
## Application Scenarios



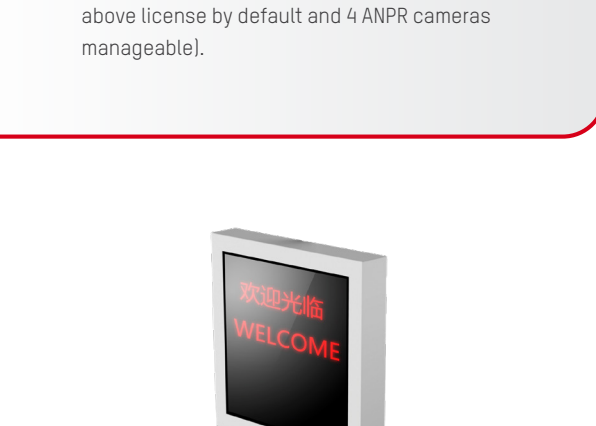
Motorway Service Station



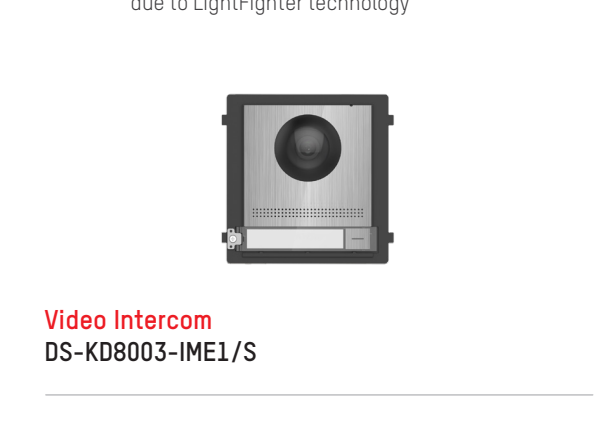
Office Park



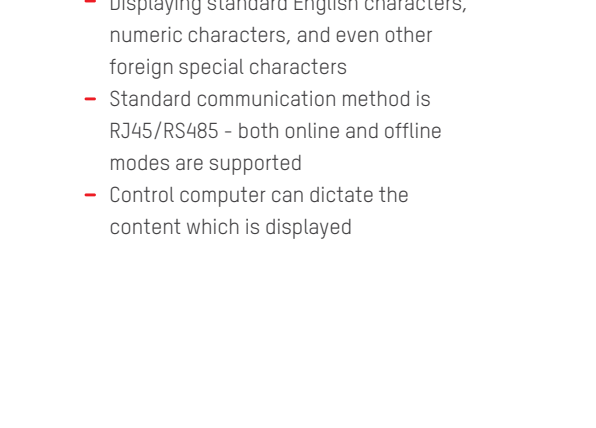
Supermarket Car Park



Petrol Station



School



Recycling Station

## Product Showcase



### HikCentral Professional (Baseline Version)

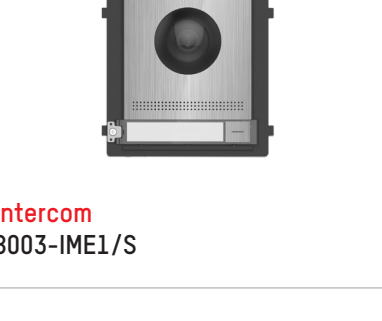
- Entrance and exit authenticated management.
- ANPR and car park event/ alarm management.
- Vehicle record searchable via various filters.
- Vehicle number and parking analysis report.
- Automatic barrier control by flexible entry and exit rules for staff, registered visitor, temporary visitor and unauthorised vehicle, etc.
- Remote barrier control.
- Available parking space allocation for different vehicle lists.

### OPTION 1: VMS License

- HikCentral-P-ANPR-1 Camera.
- HikCentral-P-EntranceExit-Module.

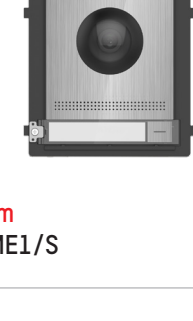
### OPTION 2: All-in-one Workstation (Recommended)

- HikCentral-Workstation/32 (preloaded with the above licenses by default and 4 ANPR cameras manageable).



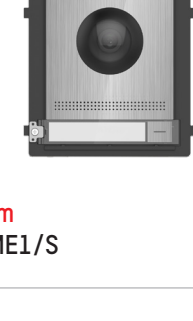
ANPR Camera DS-2CD7A2660/P-I2I/HIS

- High quality imaging with 2 MP resolution
- Excellent low-light performance via DarkFighter technology
- Clear imaging against strong back light due to LightFighter technology



LED Display Screen DS-TV1224

- Placed in the entrance & exit of a car park, displays the information including available parking space, license plates, welcome greetings, time, audio reminders, etc.
- Displaying standard English characters, numeric characters, and even other foreign special characters
- Standard communication method is RS485/RS485 - both online and offline modes are supported
- Control computer can dictate the content which is displayed



Video Intercom DS-KDB003-IME1/S

- Modular door station Main unit, needs mounting bracket
- 2MP HD Camera, Fisheye, IR Supplement
- 1 Call Button, 2 lock relays, 4-ch alarm input
- IP65, 12 VDC or standard POE