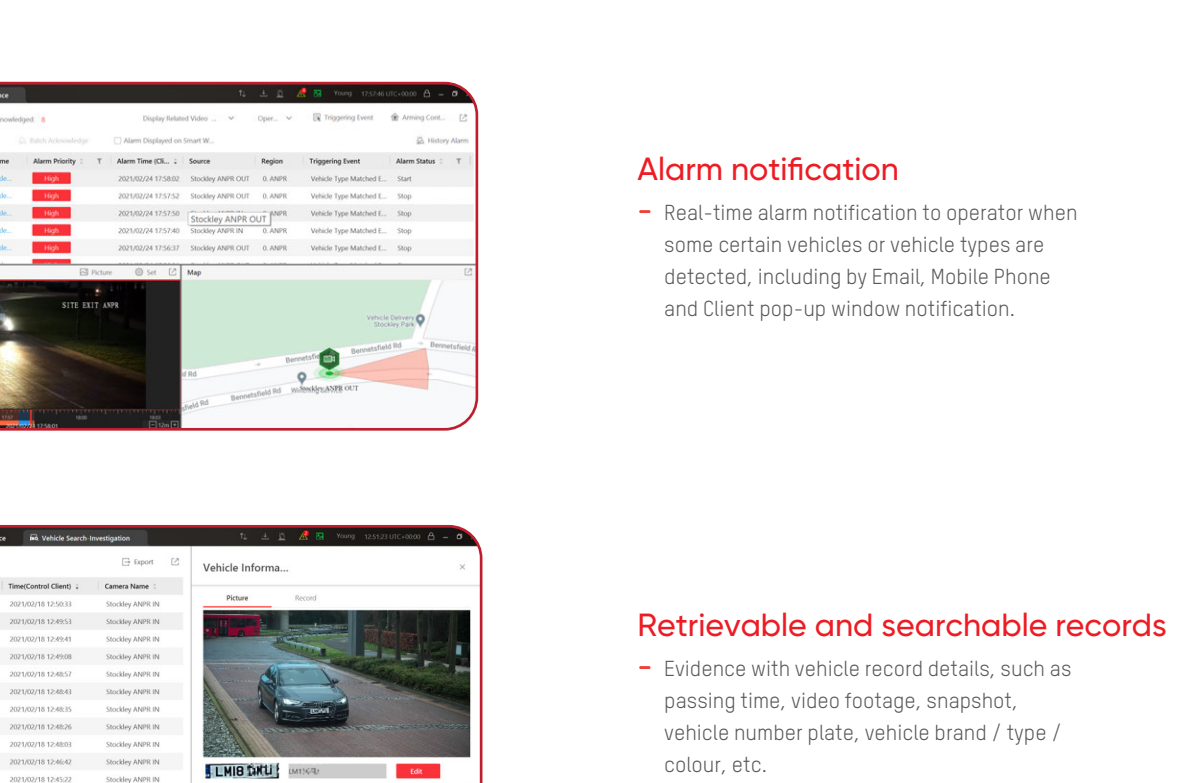


## Requirement Analysis



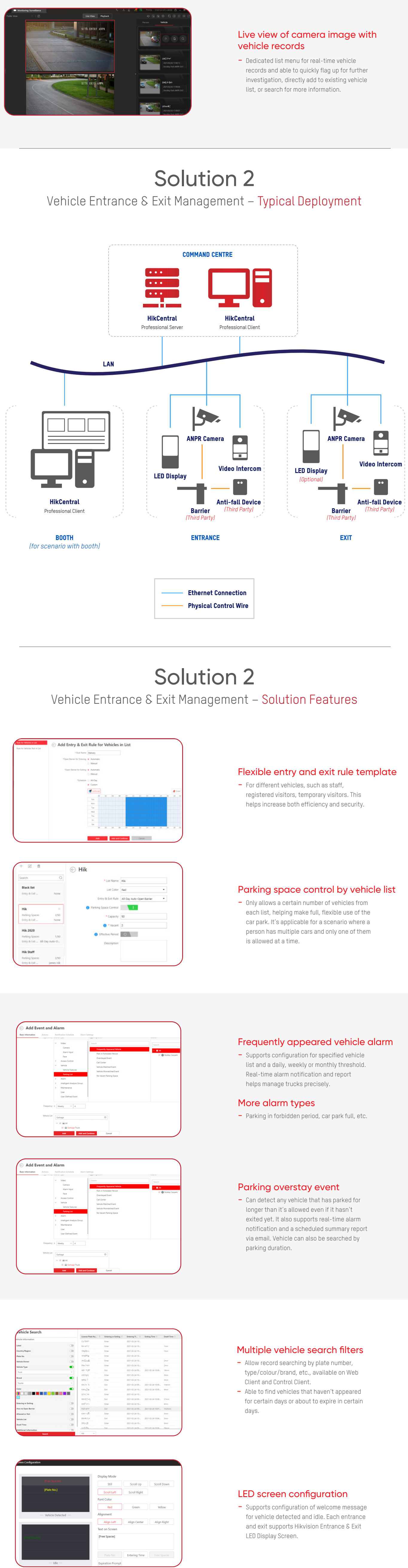
## Applications

### Solution Overview



### Solution 1

Vehicle Passing Records & Alarms only – Typical Deployment



### Solution 1

Vehicle Passing Records & Alarms only – Solution Features

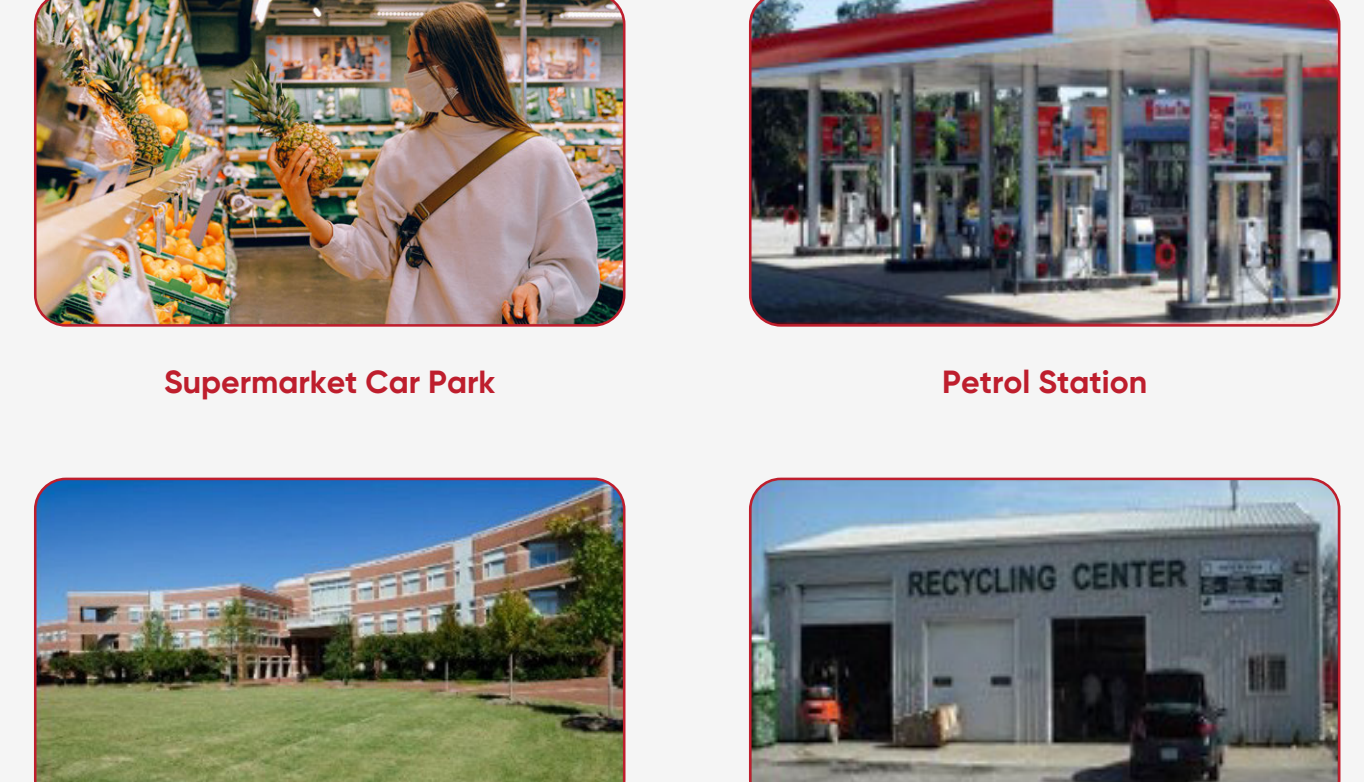
- Alarm notification**
  - Real-time alarm notification to operator when some certain vehicles or vehicle types are detected, including by Email, Mobile Phone and Client pop-up window notification.
- Retrieval and searchable records**
  - Evidence with vehicle record details, such as passing time, video 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



### 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.

- 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.
- Parking overstay event**
  - Can detect any vehicle that has parked for longer than it's allowed even if it hasn't exited yet. It also supports real-time alarm notification and a scheduled summary report via email. Vehicle can also be searched by parking duration.

- Multiple vehicle search filters**
  - Allow record searching by plate number, type/colour/brand, etc., available on Web Client and Control Client.
  - Original data can also be accessed by 3rd party reporting tool, e.g. PowerBI.
- 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/colour/brand.

- Remote barrier control**
  - Individually or in batch.
- For manual control**
  - 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 parking visitor/total parking space**
  - For car park and each vehicle list.
- One click to add temporary vehicle to vehicle list**
- One click to flag vehicle**
  - 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 & 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 10 car parks
  - 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



## 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
- HikCentral-P-Lane-1Unit

**OPTION 2: All-in-one Workstation & Server (Recommended)**

- Hik-Central VMS Base HW 84 & 84 (Pre-loaded with above license by default, expandable modules supported)
- Hik-Central VSS Base HW 84 & 300 Server (E-2124 CPU, pre-loaded with 64,300 CH VSS, can support up to 40 lanes)

**ANPR Camera**  
IDS-2CD7A2660/P-IZHSY

- 2 MP resolution
- DarkFighter technology
- 140 dB WDR
- License Plate Recognition
- IP65, IK10

**TCM Camera**  
IDS-TCM403-BI

- Built-in ANPR engine, equipped with AI algorithm
- Smart Functions: Support vehicle model classification, Support vehicle color identification, Support no-plate vehicle capture, Support driving direction detection, Support motorcycyle capture
- IP67, IK10
- 140dB WDR

**Access Control Terminal**  
DS-K1T671M

- 7-inch LCD touch screen, 2 MP wide-angle lens, built-in Mifare card reading module
- Face recognition distance (without face mask): 0.3 m to 3 m, Duration < 0.2 s/User, Accuracy rate > 99%
- Max.6000 faces, Max.6000 cards
- Two-way audio with client software, indoor station, and main station
- IP65

**LED Display Screen**  
DS-TVL224

- 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-KB8003-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