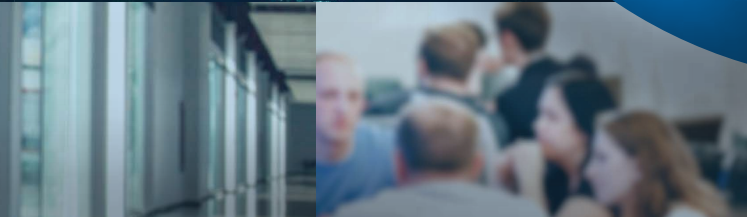




# Smart Building

Provide emergency notification  
and event record





## How GeoVision makes smart building even smarter

GeoVision Access Control provides the most advanced full security solution by integrating seamlessly with GeoVision VMS and IP products. Together GeoVision Access Control with surveillance provides you with easy and safe access to your precious assets and recorded video for any access event from anywhere at anytime.

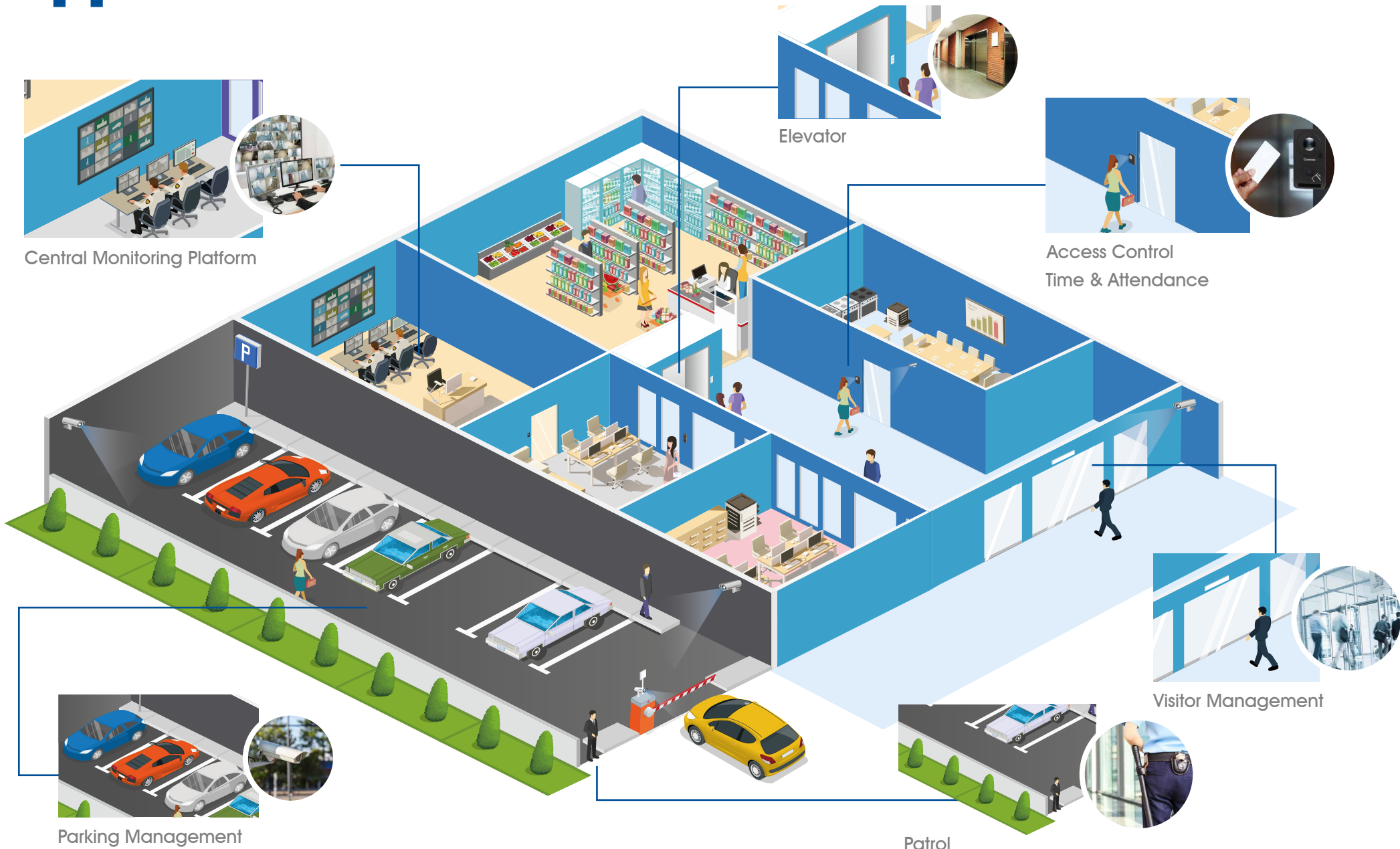
# Key Features

- Multilevel administration access
- Support web-interface and mobile access
- Manage multiple locations from single platform
- Visual map interface
- Real-time monitoring and tracking
- Incident notification and scheduled reporting
- IP camera & VMS integration
- Emergency access management
- 3rd party integration & database synchronization



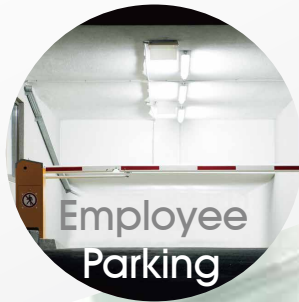


# Application Scenarios

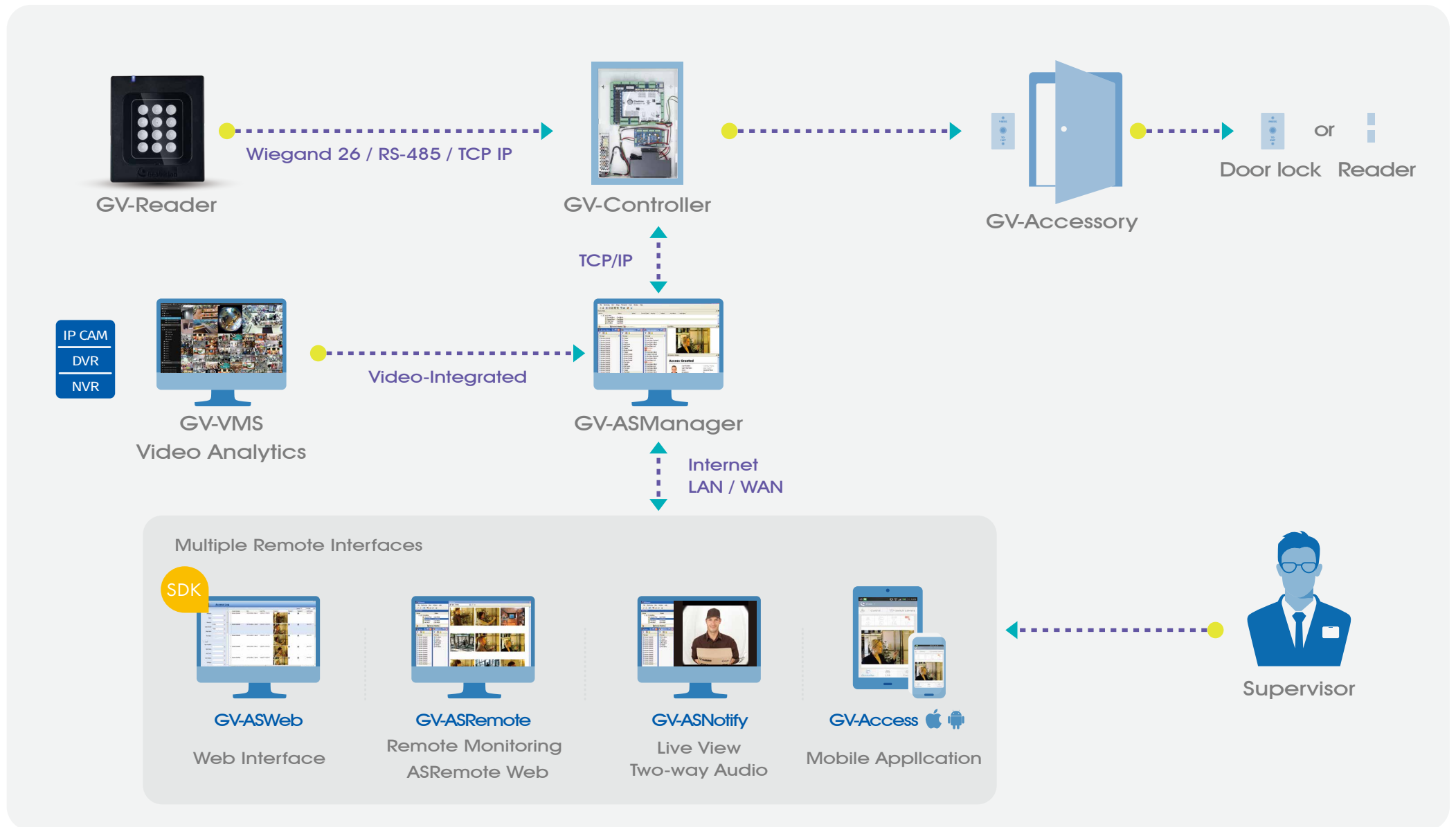




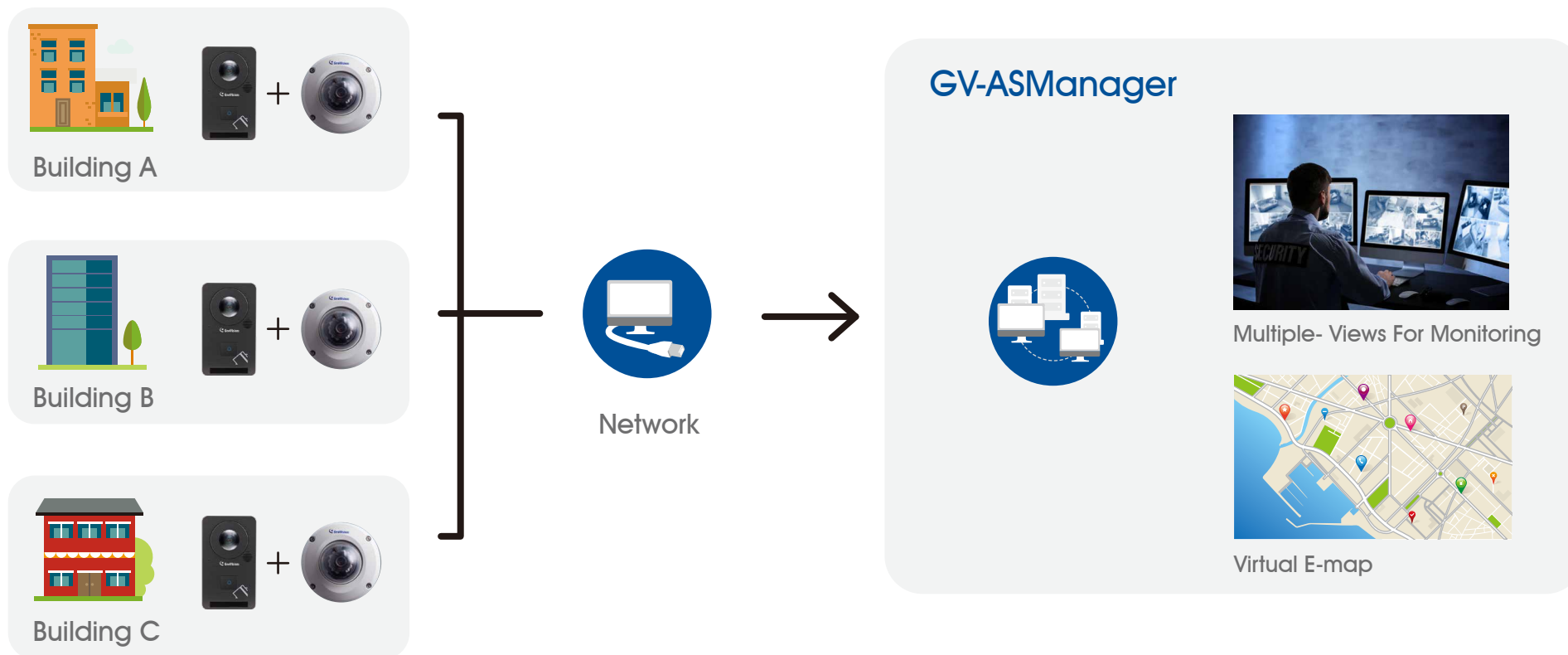
# Application



# Structure



# Central Monitoring Platform



With GV-ASManager, multiple GeoVision Access Control and parking system can be managed and maintained efficiently to enhance their monitoring performance and ensure smooth operation.

## 3rd Party Integration & Database Synchronization

GeoVision ASWeb/LPR SDK allows you to seamlessly integrate with 3rd party application and system.

## Remotely Monitor and Control From Mobile Device

GV-Access allows you to access GV-ASManager through iOS and Android mobile devices to watch live view, receive real-time alert notification, and control the doors and car lanes.





**Access**

## Access Mode



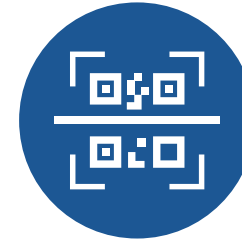
Card Mode



Pin Code Mode



Fingerprint Mode



QR Code Mode

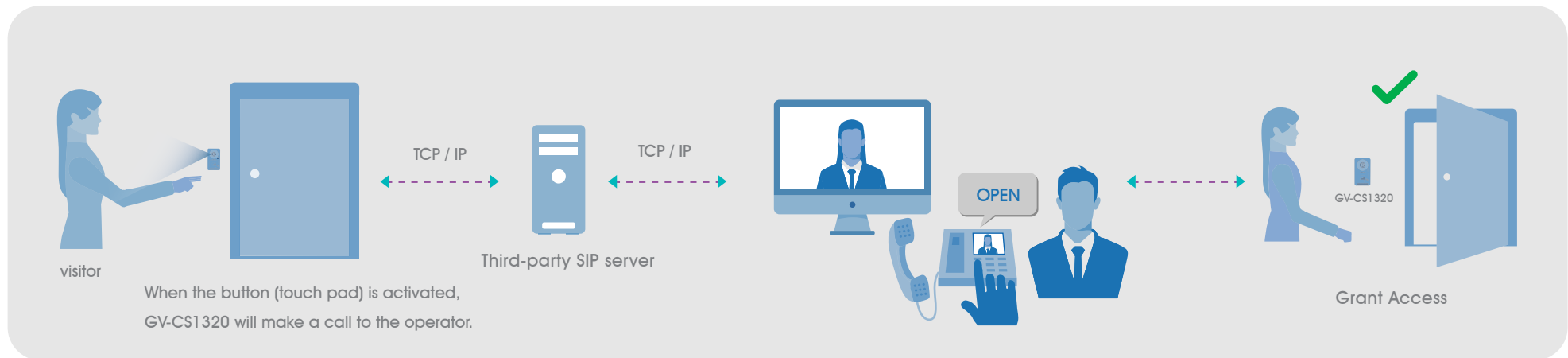


Face Mode

## Remote Communication

Never worry about unscheduled visitors showing up at your empty reception anymore

- Video intercom
- Two-way audio
- Open your main door remotely
- Snapshot

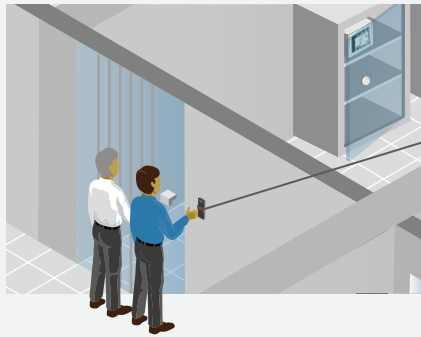


# Application Scenarios

## Multilevel Access Rules

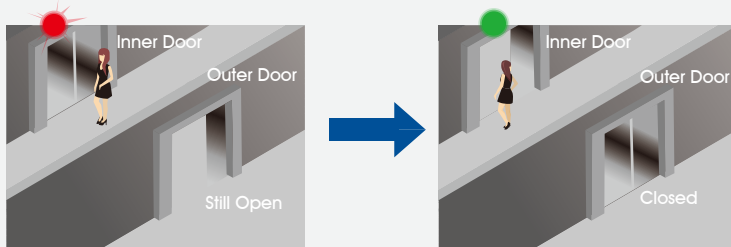
In order to enhance security, you can use multilevel access rules to protect your highly precious and sensitive assets such as banks, prisons and schools.

### Two-Person Rule



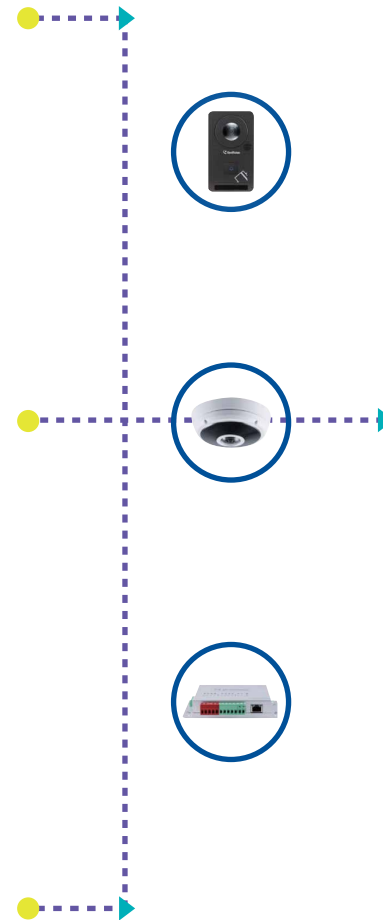
Two-Person Rule

### Door Interlock



### Anti-Passback

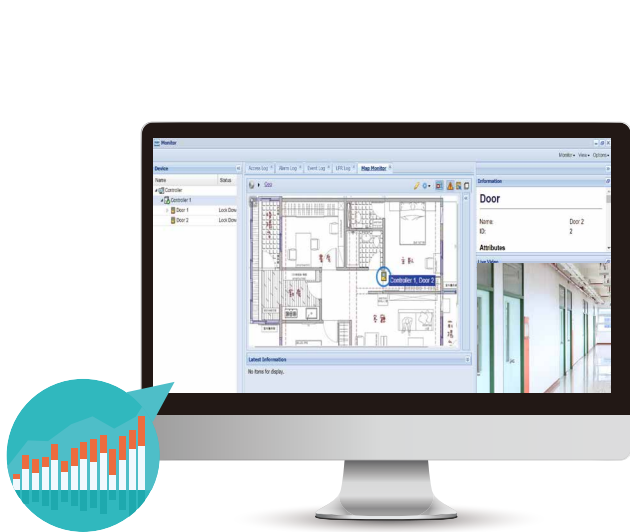
Local / Global anti-passback



Sensitive Environments  
laboratory/bank/Medical



# Powerful Access Log

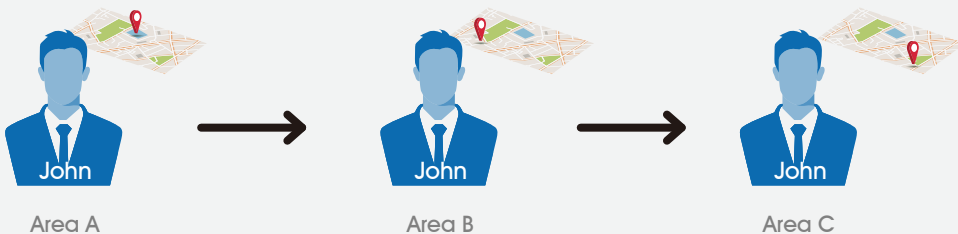


- Emergency notification
- Tracking people location
- Lower operation difficulty



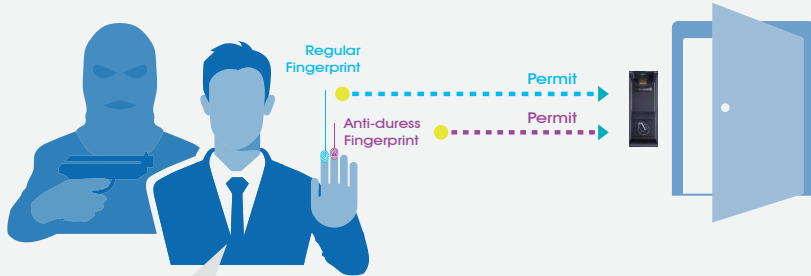
Administrator can quickly find needed information and be automatically notified with abnormal activities.

## People Location/Area Monitor



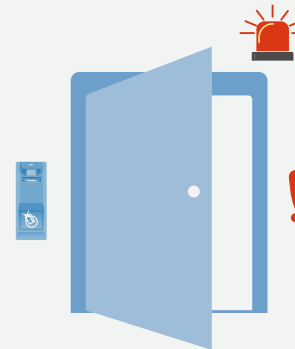
# Under threat

## Anti-Duress Operation



If a person is forced to open the door under threat, he or she can present the designated finger to activate an alarm. The door will open normally and signal will be sent to the GV-ASManager to dispatch the police.

## Lock Down/Force Unlock Door contact



Isolate the threat to minimize damage occurs

## IO Box Integration



# Fire Scenarios



**Integrating with Smoke detector**  
 When smoke is detected, real-time alert can be triggered on Geovision virtual map or Geovision central monitoring platform.



Trigger I / O



Area Monitor  
 People Location



Pop-up message  
 with snapshot

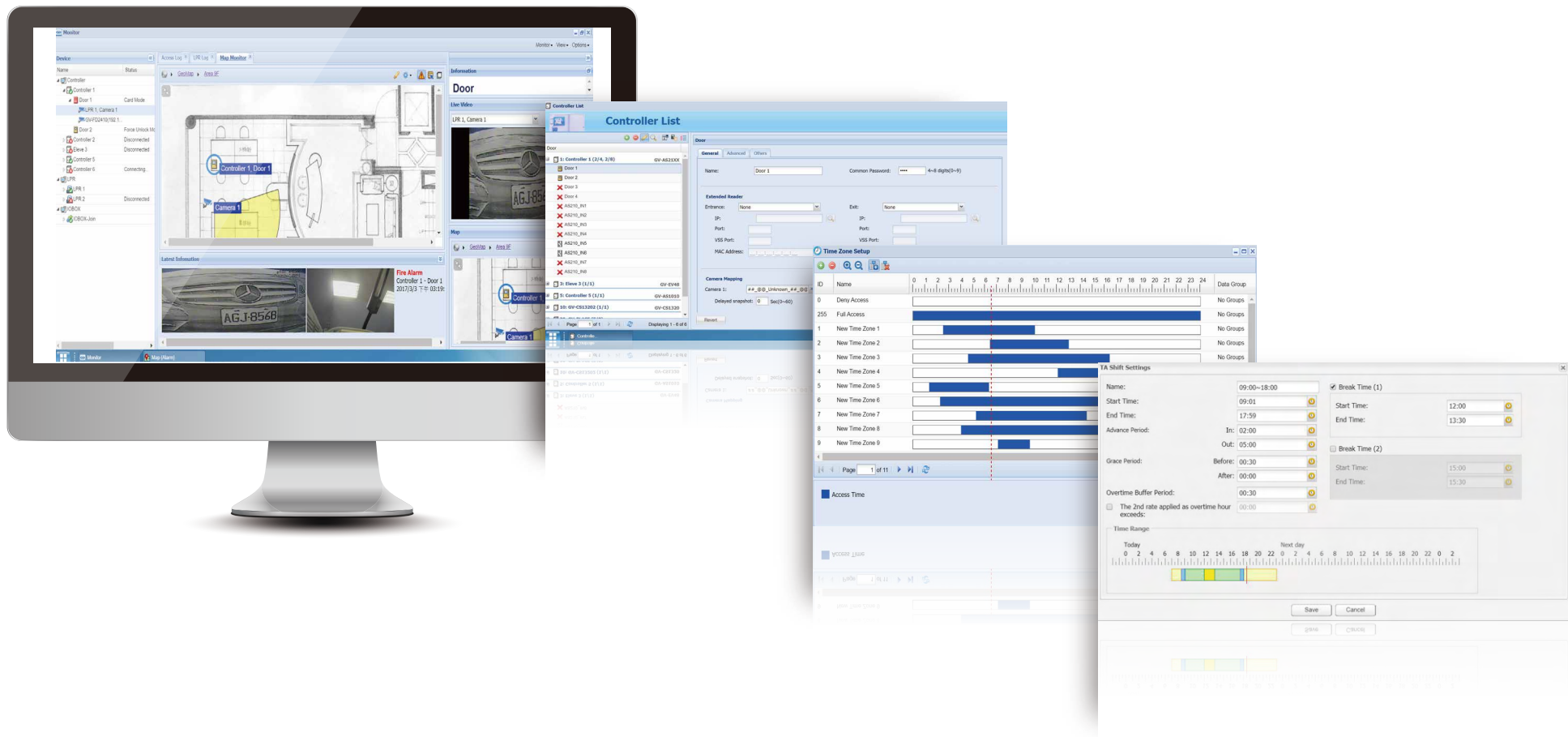


Fire Status Report



Unlock doors or  
 lock fire door.





- Emergency access management
- Flexible zone & access rule management
- Video integration & text overlay
- Visual map interface & I/O trigger
- Notification & pop-up message with snapshot
- Employee activity analysis
- Area monitor & people location tracking
- Real-time incident reporting



**Time & Attendance**

# Time & Attendance System

GeoVision's time and attendance solutions empower employers to accurately and effectively solve a variety of workforce management tasks.



Prevent Buddy Punching



Employee Workforce Scheduling



Absence Management



Achieve Payroll Accuracy



Employee Time-Tracking



Workforce Summary Report



Powerful Reporting  
Web Interface

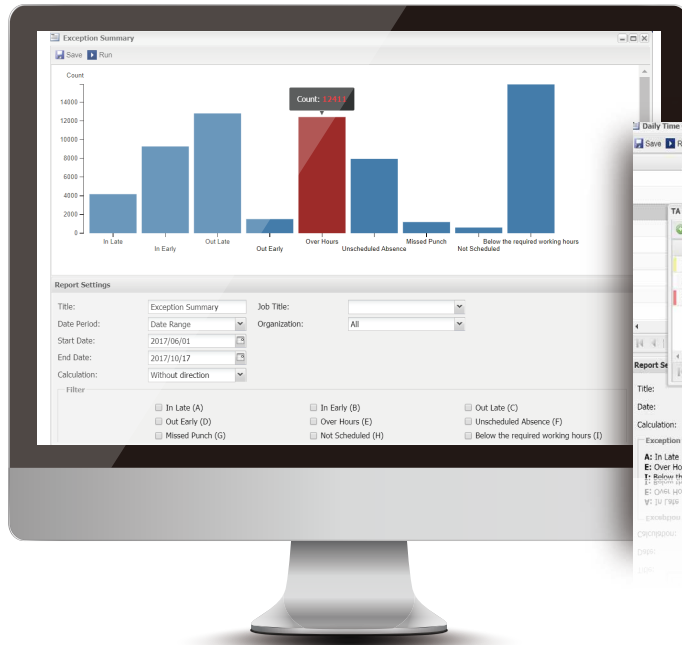


EX:  
(F3)0001 Meeting

Customizable Job Code

TCP / IP





Daily Time Card-0405

Division	Department	Office	Job Title	Punch In Time	Punch Out Time	Work Time
軟體開發處	軟體開發處(軟體一組)	一組		10:01:59		
軟體開發處	軟體開發處(軟體一組)	一組		10:59:15	20:11:03	09:11:48
軟體開發處	軟體開發處(軟體一組)	一組		10:59:12	20:00:42	09:41:30
軟體開發處	軟體開發處(軟體一組)	一組		11:04:22	20:54:19	09:49:57
軟體開發處	軟體開發處(軟體一組)	一組		10:09:20	19:55:10	09:45:50
軟體開發處	軟體開發處(軟體一組)	一組		09:33:34	19:03:27	09:29:53
軟體開發處	軟體開發處(軟體一組)	一組		11:12:49	20:27:01	09:14:12

TA Log: 2017/04/05 (Wed) Kenny

Local Time Message Door

- 2017/04/05 10:19:12 Time Attendance: Work Time Start NASA 0F 出班 (AS10)
- 2017/04/05 20:00:42 Time Attendance: Work Time End NASA 0F 出班 (AS10)
- 2017/04/06 09:50:23 Time Attendance: Work Time Start NASA 0F 出班 (AS10)

Report Settings

Title: Daily Time Card-0405 Job Title: [ ]

Date: 2017/04/05 Organization: [ ]

Calculation: With TA Function Key [ ] Division: 軟體開發處 [ ]

Exception

A: In Late B: In Early

E: Over Hours F: Unscheduled Absence

I: Below the required working hours

G: Missed Punch H: Not Scheduled

J: Below the required working hours



TA Shift Settings

Name: [ ]

Start Time: 09:00-18:00

End Time: 17:59

Advance Period: In: 02:00 Out: 05:00

Grace Period: Before: 00:30 After: 00:00

Overtime Buffer Period: 00:30

The 2nd rate applied as overtime hour exceeds:

Time Range: Today 0 2 4 6 8 10 12 14 16 18 20 22 0 2 4 6 8 10 12 14 16 18 20 22 0 2

Break Time (1): Start Time: 12:00 End Time: 13:30

Break Time (2): Start Time: 15:00 End Time: 15:30

Buttons: Save, Cancel, Save, Cancel

- Workforce schedule templates
- Flexible shift settings
- Absence management

- Achieve payroll accuracy
- Customizable job code function
- Employee time-tracking

- Overtime calculation
- Powerful reporting and analytics
- Workforce summary report



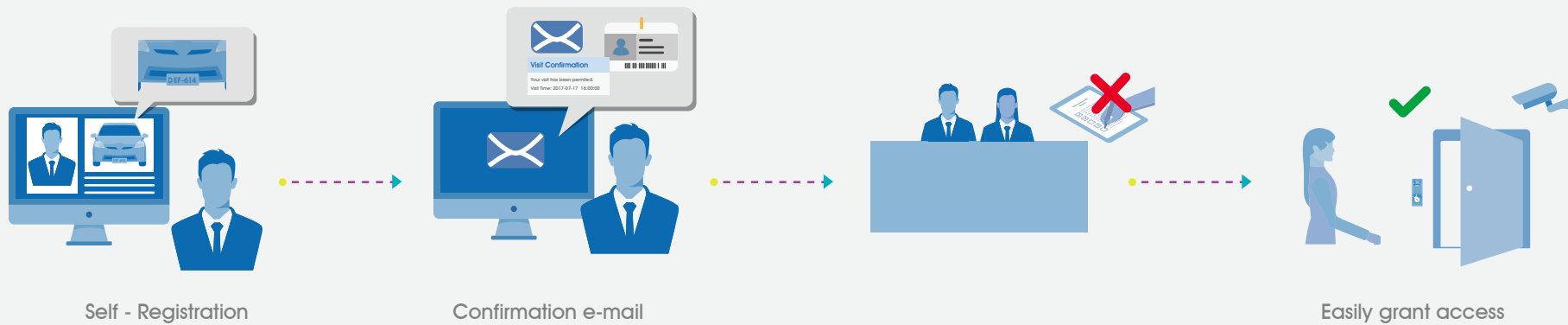


# Visitor Management

# Visitor Management

GeoVision provides quick and easy visitor management to lower effort on your operator.

## Self-Registration



## Administrator



Tracking Visitor Location



Design Visitor Badge



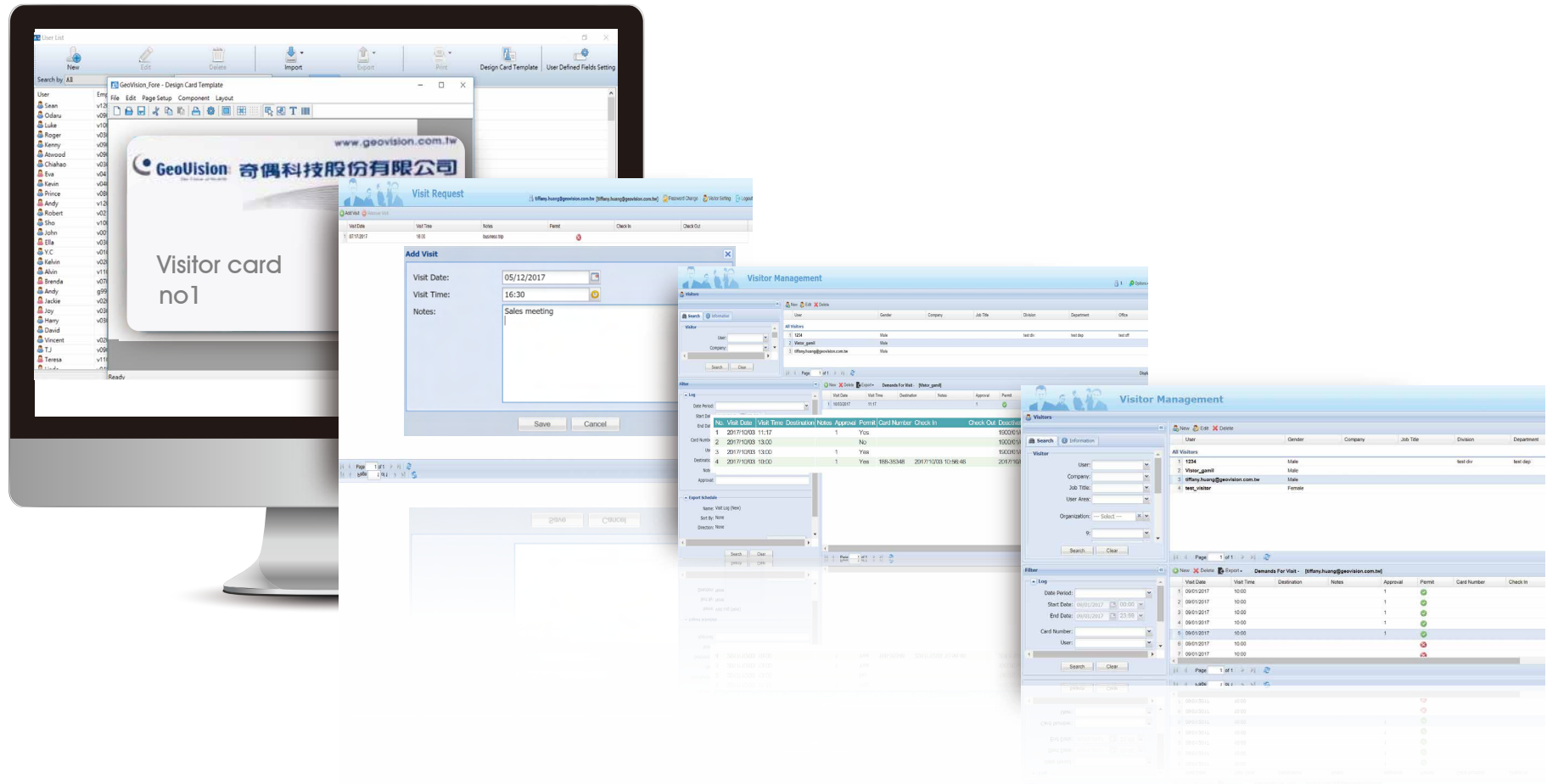
Powerful Reporting



Auto Check Out Function



Grant Access Remotely



- Web-based visitors or vehicles pre-registration
- Authority granting access remotely
- Visitor badges design
- Instantly visitor's images capture
- Automatically check in/out record
- Abnormal alarm & notification with snapshot
- Real-time visitor tracking
- Powerful reporting and analytics



# Vehicle Management



# Vehicle Management

GeoVision Vehicle Management can be easily configured, to fit different vehicle application. It is also highly secured, and useful in multipurpose integration.



Rummage for remote



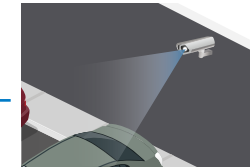
Lining up for entry



Stopping for ID tag



Lighting Control  
(IO Box Integration)



Share Parking Space



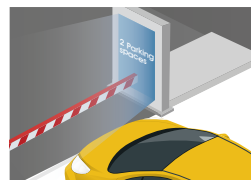
License Plate Recognition



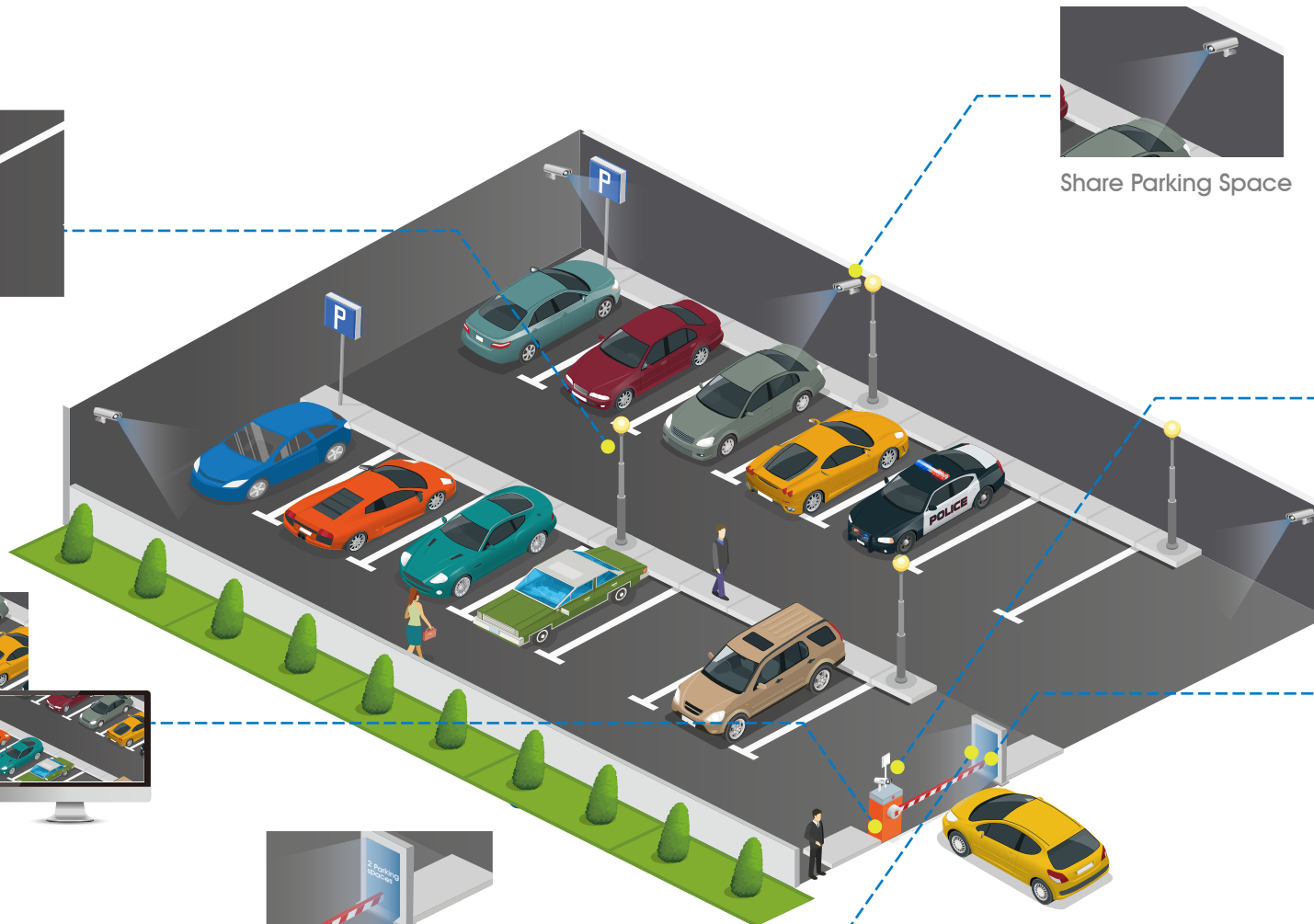
Parking Lot Status



Monitor Display

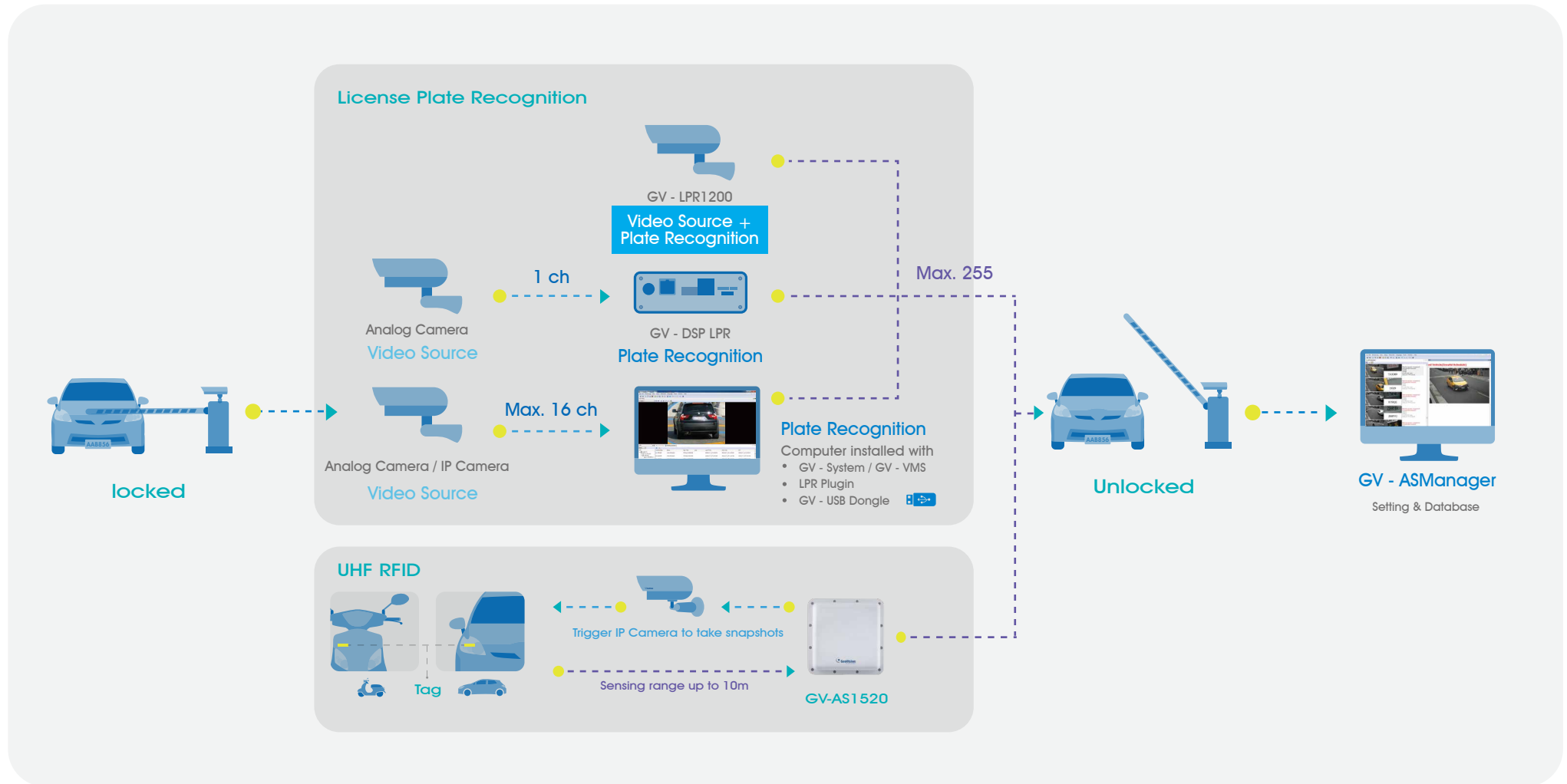


Vehicle Status



# Structure

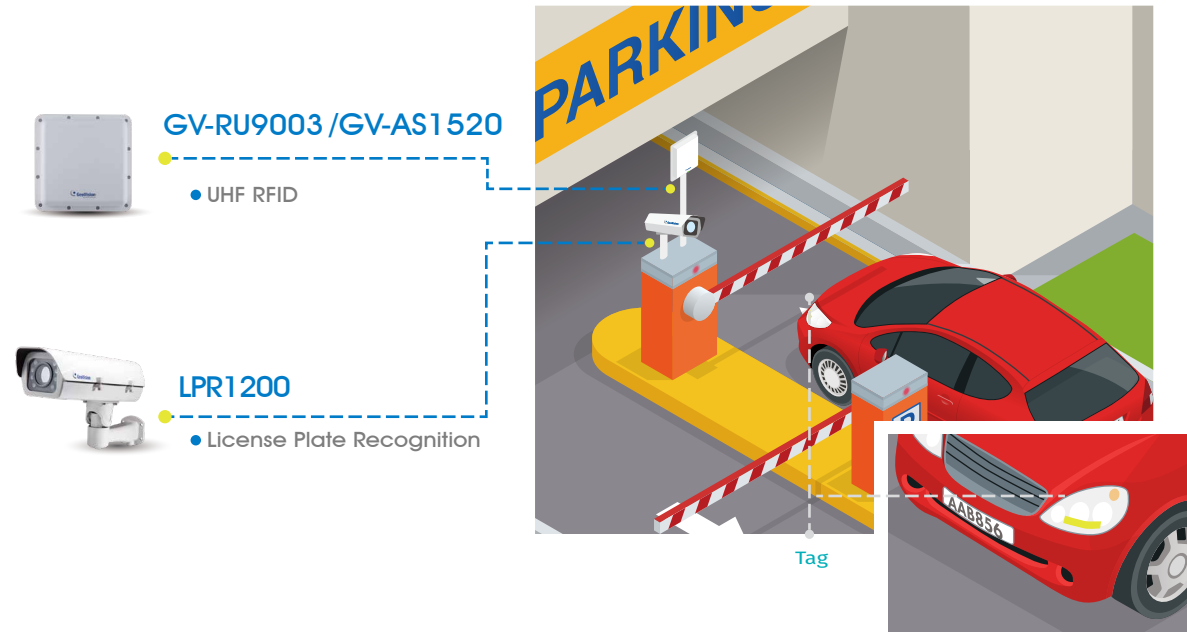
## License Plate Recognition + UHF RFID



# Access Mode

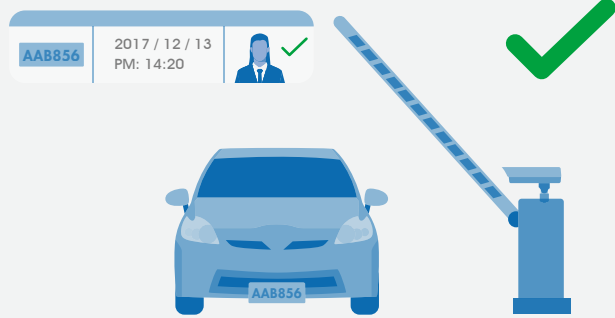
## License Plate Recognition + UHF RFID:

- Detect vehicle license plate numbers & UHF RFID automatically.
- Choose from one of the 3 access modes: License Plate + UHF RFID , License Plate only, UHF RFID only.
- Easily access the premises without hassle.



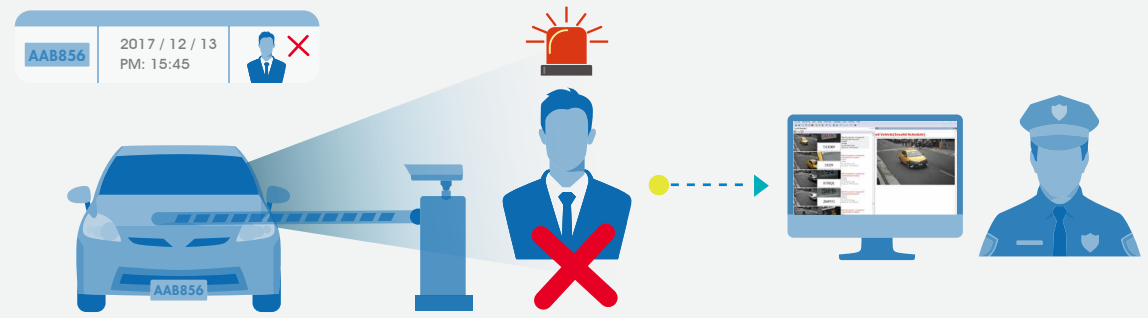
# Parking Authority

## White List/VIP/Visitor



Unlocked

## Black List



locked

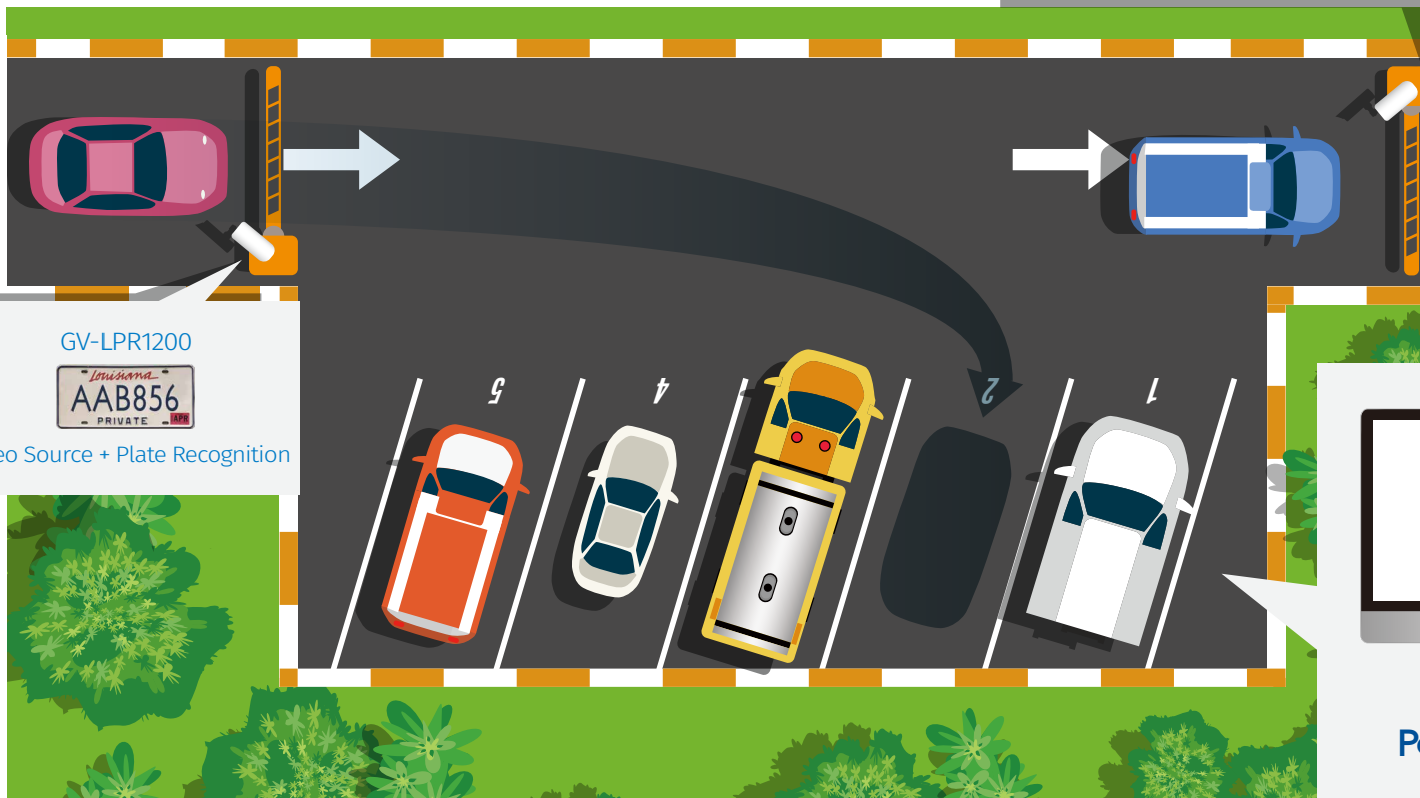
# Parking Share Space

Share your limited parking space with multiple vehicles.

- Automatic parking space management.
- Automatic notification when parking spaces become available or fully occupied.
- When space released, GV-LPR1200 will allow another registered

GV-ASWeb interface

Name	Status	Members
ShareGroup1	3 / 3	100000, 100400, 100700, 1009...
ShareGroup3	4 / 5	486TPH, 57CR22, B89238F, E...
ShareGroup4	1 / 4	123456, K4159011



GV-LPR1200



Video Source + Plate Recognition

Parking Status

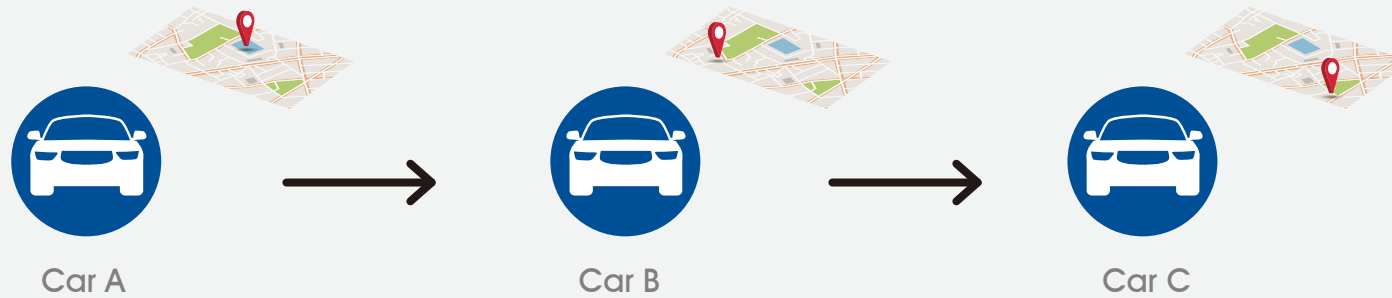
Parking lot full

Notification Setting		
Access Log	Event Log	LPR
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



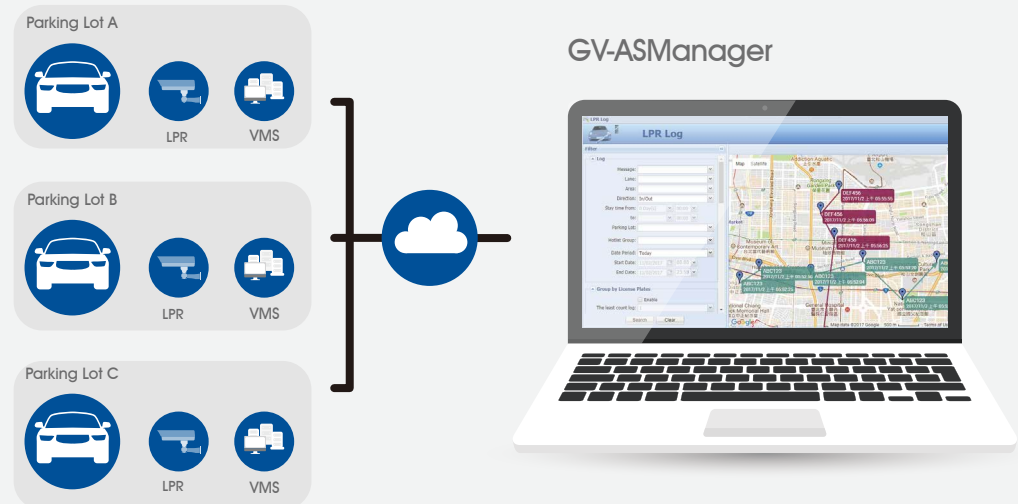
# Parking Tracking

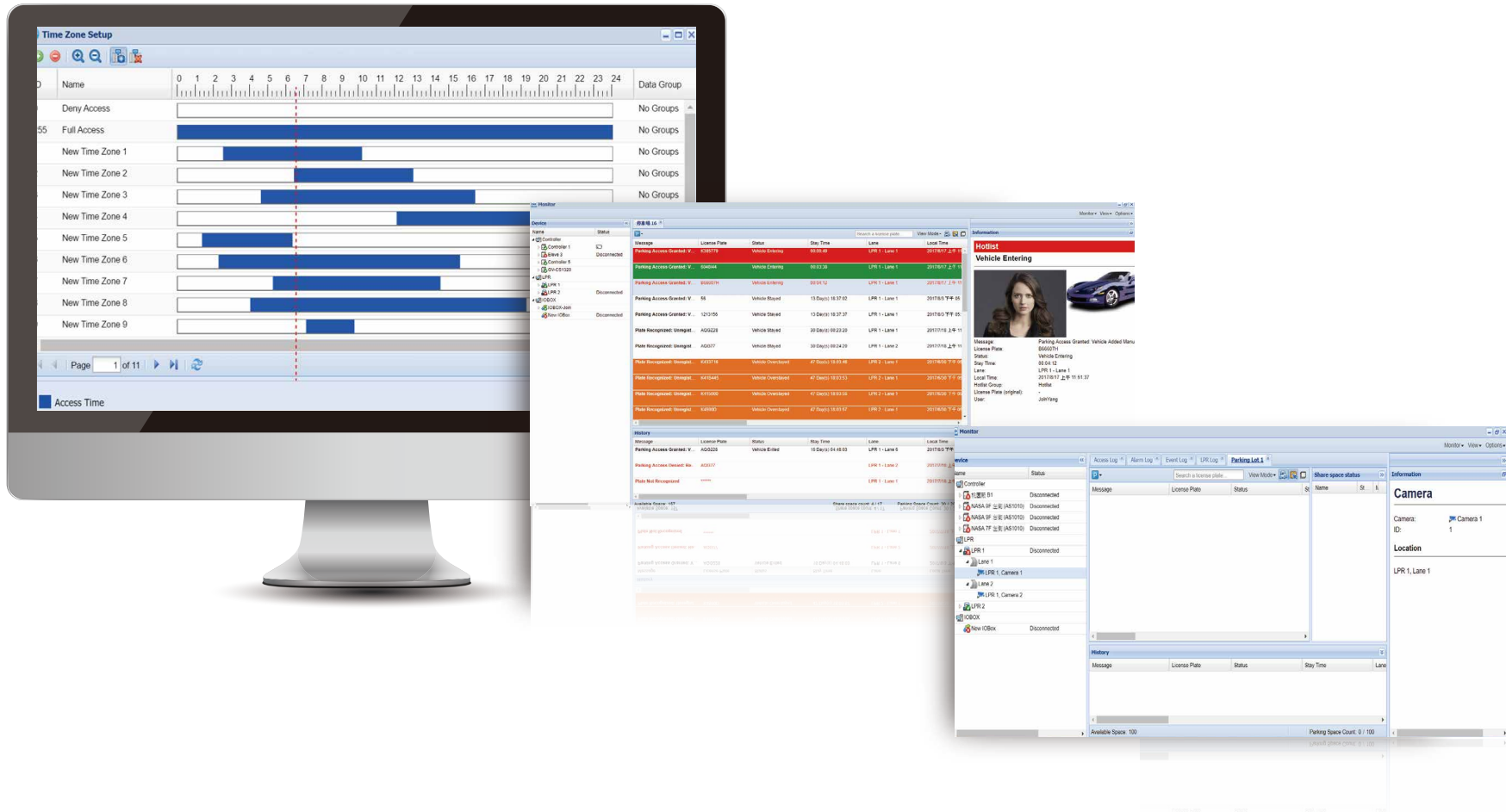
## Vehicle Location/Area Monitor



# Map-Based Central Management

With GV-ASManager, multiple GeoVision parking system can be managed and maintained efficiently to enhance their monitoring performance and ensure smooth operation.





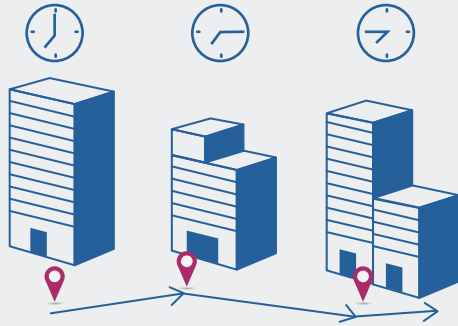
- Visual vehicle access control
- Zone & multilevel access rule management
- Visual map interface
- Trigger IP cam destination / I&O

- Hotlist control
- Real-time notification & alarm with snapshot
- Area monitor & vehicle location tracking
- Powerful reporting



**Patrol**

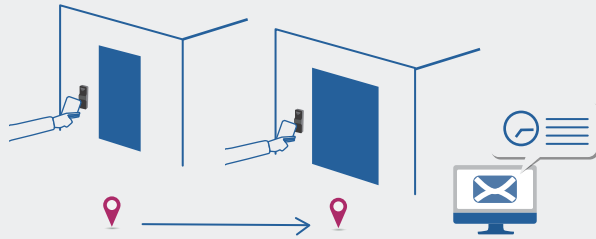
# Patrol



## Application 1:

### Patrol Route and Timing

Patrol Tour can be created to require security staff to check in at the specified locations during a certain time period.



## Application 2:

### Monitoring and Tracking

Manage all your security staff via ASManager from everywhere. If the security staff does not present their cards at the specified door on time, an alert notification can be sent to ASManager in real-time.

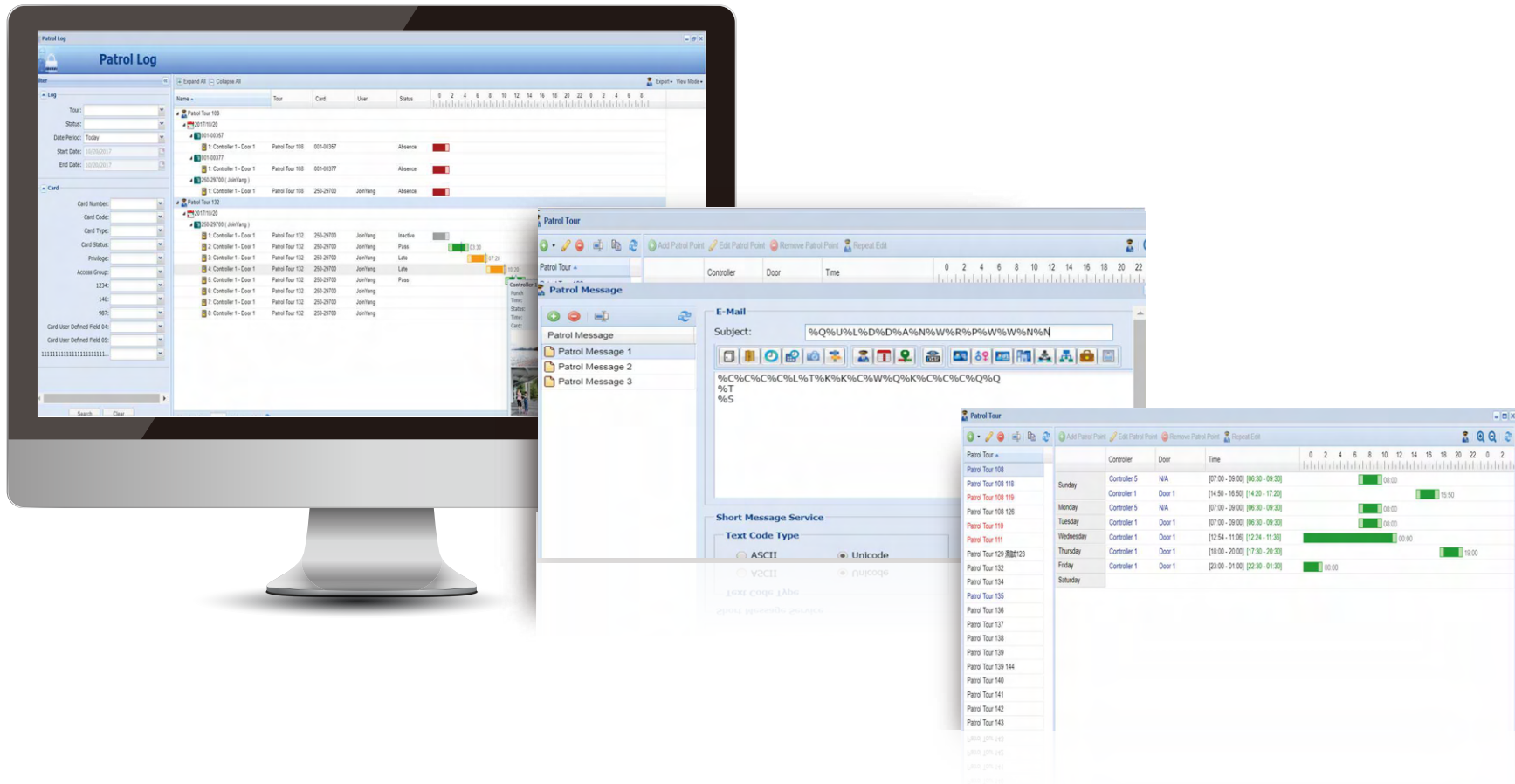


## Application 3:

### Real-Time Incident Reporting

At any time, you can receive all the patrol status information by scheduled reporting.





- Flexible patrol tour schedule setting
- Buffer period / extended buffer period
- Swipe with snapshot
- Instant patrol message
- Patrol status notification on real-time
- Instant image upload
- I/O trigger
- Powerful reporting



**Smart IOBOX**

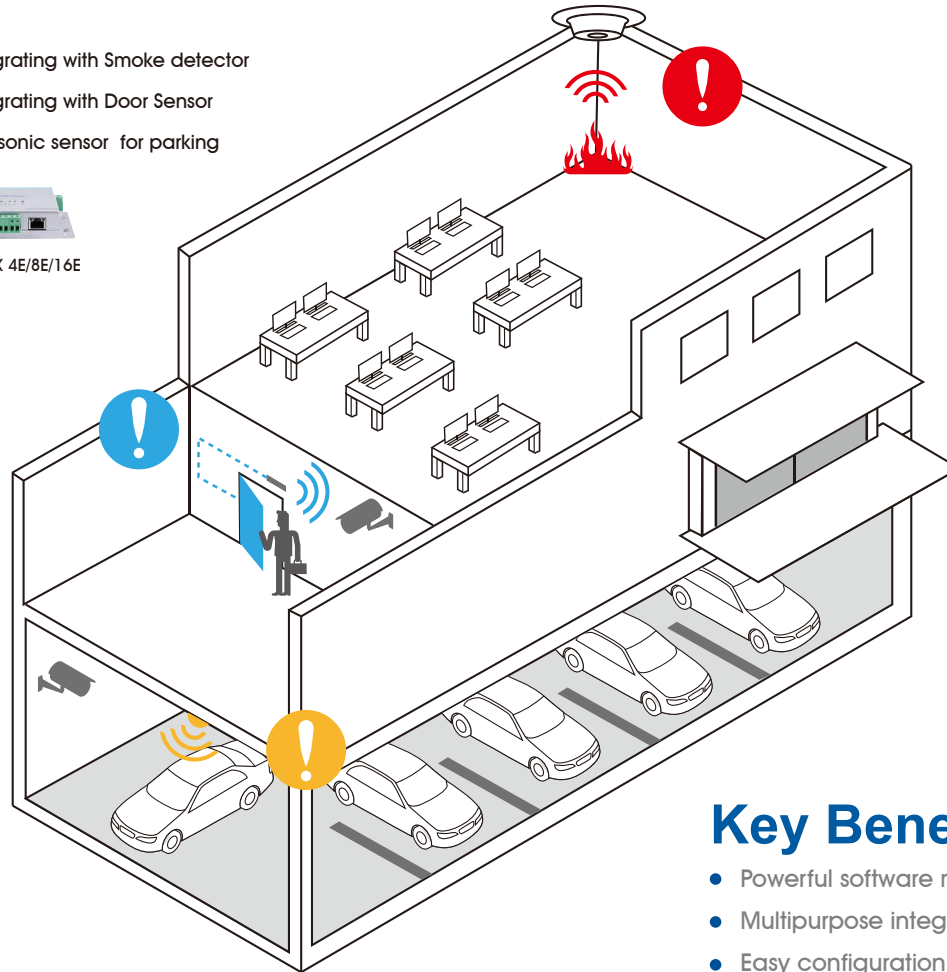
# GV-IOBOX Integration

## Application Scenarios

- Integrating with Smoke detector
- Integrating with Door Sensor
- Ultrasonic sensor for parking

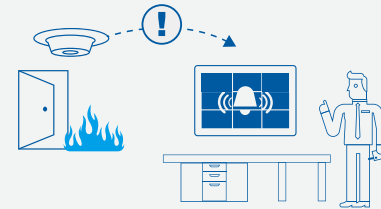


GV-IO BOX 4E/8E/16E



## Key Benefit

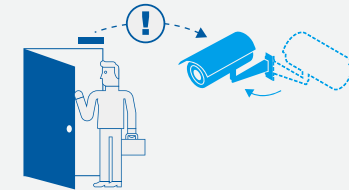
- Powerful software management
- Multipurpose integration
- Easy configuration
- Cost Efficiency, Energy Saving
- Alarms and security
- Central monitoring platform



### Application 1:

#### Integrating with Smoke detector

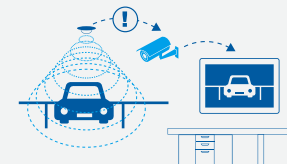
When smoke is detected, real-time alert can be triggered on Geovision virtual map or Geovision central monitoring platform.



### Application 2:

#### Integrating with Door Sensor

Automatically start IP cam recording, when someone opens a door or window. The event can also be sent to Geovision central monitoring platform in real-time.



### Application 3:

#### Ultrasonic sensor for parking

When the stall is occupied, trigger video recording or take picture snapshot.







# Access Control Product Showcase

Controller									
Product Name	GV-CS1320	GV-AS1010	GV-AS2120	GV-AS4110	GV-AS4111 Kit	GV-AS8110	GV-AS8111 Kit	GV-EV48-24	GV-AS1520
Picture									
Number of doors / floors	1 door	1 door	2~4 doors	4 doors	4 doors	8 doors	8 doors	24 floors	1 door
Communication	TCP/IP	TCP/IP	TCP/IP	TCP/IP	TCP/IP	TCP/IP	TCP/IP	TCP/IP	TCP/IP
Event buffer	50,000	65,536	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	65,536
Number of Cards	100,000	40,000 1,000: Single	100,000	100,000	100,000	100,000	100,000	40,000	100,000
Number of Readers	RS-485 TCP/IP	RS-485 TCP/IP	Wiegand x 4 RS-485 x 8 TCP/IP x 8	Wiegand x 8 RS-485 x 8 TCP/IP x 8	Wiegand x 8 RS-485 x 8 TCP/IP x 8	Wiegand x 8 RS-485 x 16 TCP/IP x 8	Wiegand x 8 RS-485 x 16 TCP/IP x 8	RS-485 x 2	RS-485 x 2
Extend Device	N/A	N/A	N/A	Cabinet	Cabinet	Cabinet	Cabinet	Cabinet	N/A
Card Bit	26	26	26-64	26-64	26-64	26-64	26-64	26-64	26/64
Number of I/O Devices	Input x 2, Output x 1	Input x 3, Output x 2	Input x 8, Output x 8	Input x 16, Output x 24	Input x 16, Output x 24	Input x 16, Output x 24	Input x 16, Output x 24	Output x 24	Input x 2, Output x 4

Reader								
Product Name	GV-SR1251	GV-R1352	GV-DFR1352	GV-RK1352	GV-FR2020	GV-GF1921	GV-GF1922	GV-RU9003
Picture								
Communication	Wiegand 26 RS-485	Wiegand 26 RS-485	Wiegand 26 RS-485	Wiegand 26 RS-485	TCP/IP	TCP/IP	TCP/IP	Wiegand 26 Wiegand 64
Frequency	125 KHz	13.56 MHz	13.56 MHz	13.56 MHz	13.56 MHz	13.56 MHz	13.56 MHz	900 MHz
Card / Tag Type	E	M/F	M/F	M/F	M	F	F	U
Environment	-35 ~ 65°C / -31 ~ 149°F	-30 ~ 65°C / -22 ~ 149°F	-30 ~ 65°C / -22 ~ 149°F	-35 ~ 65°C / -31 ~ 149°F	0 ~ 40°C / 32 ~ 104°F	0 ~ 65°C / 32 ~ 149°F	0 ~ 65°C / 32 ~ 149°F	-20 ~ 55°C / -7.6 ~ 131°F

## LPR/LPC Product Showcase

### GV-LPR/LPC Camera

Product Name	LPR1200	LPC1200	LPC1100	LPC2210	LPC2211	LPC2011
Picture	 Global Shutter Built-in Recognition Engine					
Application	LPR	LPC (License Plate Capture)				
Image Sensor	Megapixel B/W progressive scan CCD		1/3" B/W progressive scan CMOS	1/2.8" progressive super low lux CMOS		
Picture Elements	1280 (H) x 720 (V)		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)		
Camera Type	B/W		B/W	Color		
Focal Length	4.7mm ~ 47mm			9~22mm		3~9mm
Suggested IR Distance of Capture or Recognition	10~20m (33 ~ 66ft.)		8~10m (26 ~ 33ft.)	10~20m (33 ~ 66ft.)		5~9m (16 ~ 30ft.)
License Plate Type	Reflective License Plate					
Max. Speed of Vehicle	200km/h (124mph)		120km/h (75mph)			60 km/h (37mph)
Power Source	DC 12V, 5A		DC 48V 2.5A, High PoE (PoE++, 120W)		DC 12V, PoE (IEEE 802. 3af)	
Working temperature	-40°C ~ 50°C (-40°F ~ 122°F)		-40°C ~ 50°C (-40°F ~ 122°F)		-30°C ~ 50°C (-22°F ~ 122°F)	
Protection	IP67 and IK10 (Metal Casing)					



# Reference Case



School





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