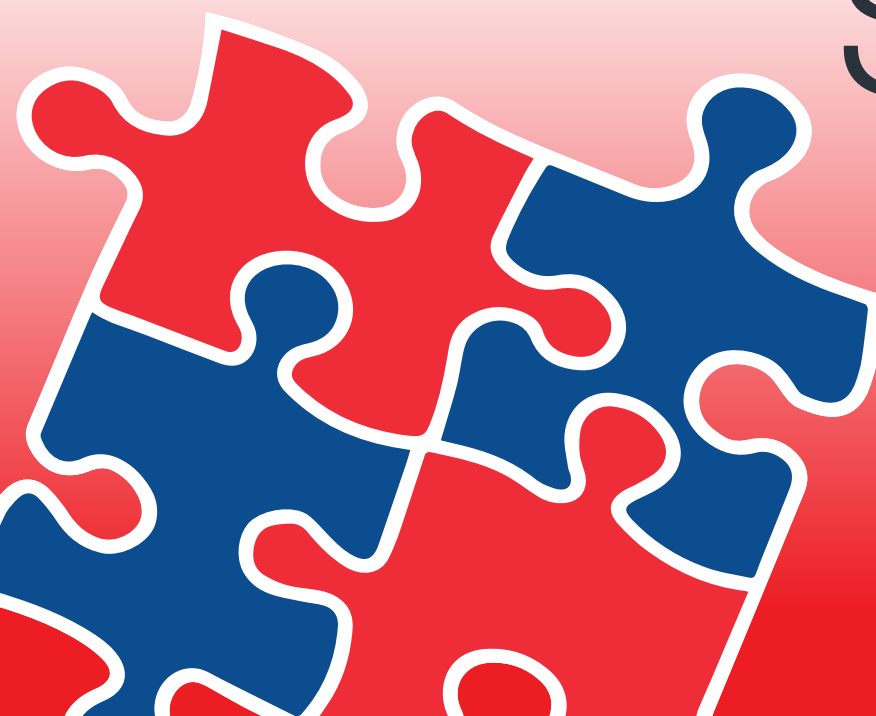









INTEGRATED **BUS** **SECURITY** SOLUTIONS



Private Security Business
Registration number
944-979-30S

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OPERATIONAL ISSUES

Lack of evidence for accidents



Lack of supervision on drivers

- ◆ Fatigue
- ◆ Smoking
- ◆ Telephone use while driving
- ◆ Dispute with passengers
- ◆ Speeding

Lack of real-time alarm & evidence

- ◆ Theft, robbery, arson, Real-time alarm to the operations center when incidents happen.

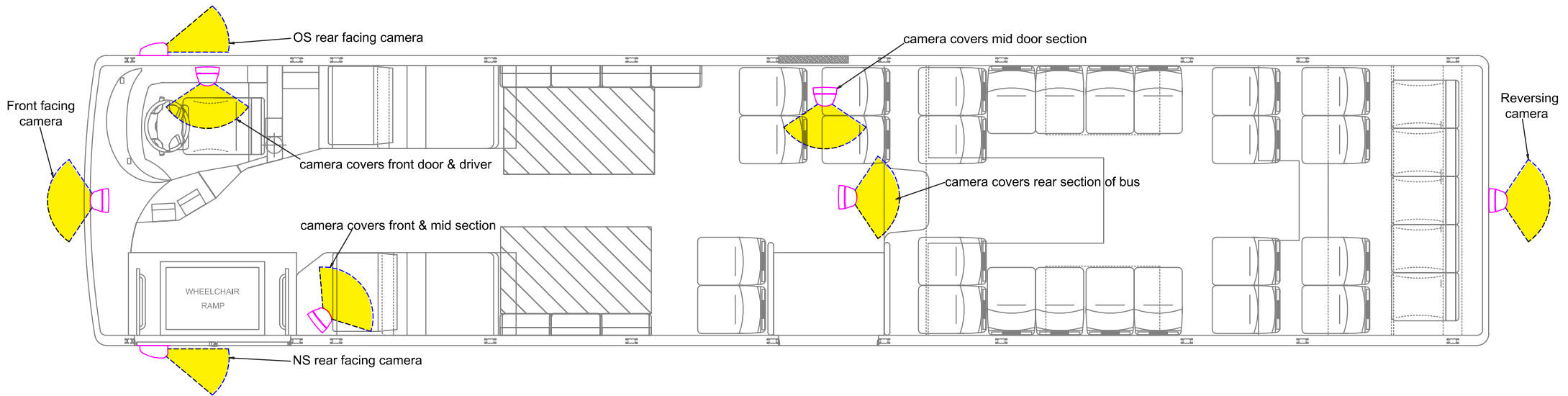


Lack of supervision on fare evaders

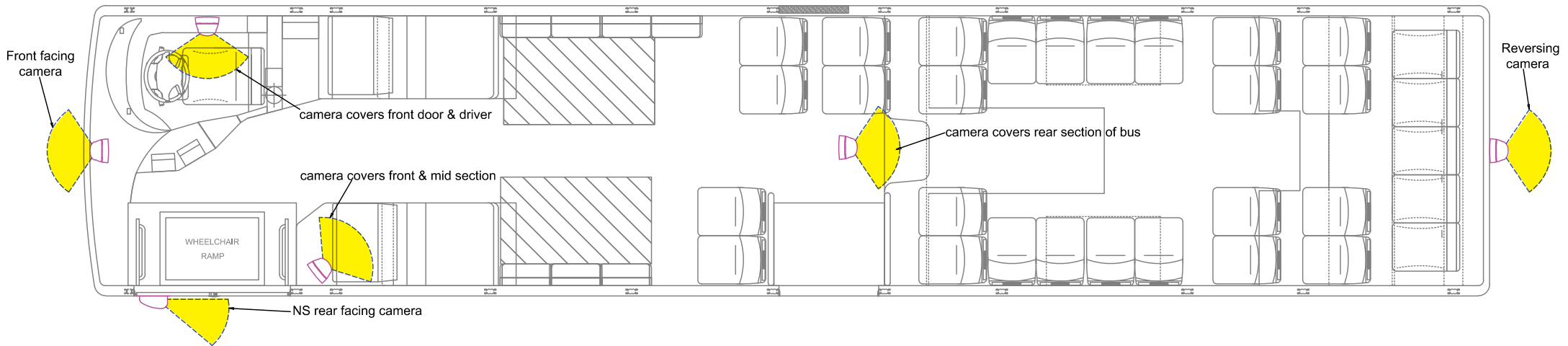
DVR SOLUTION



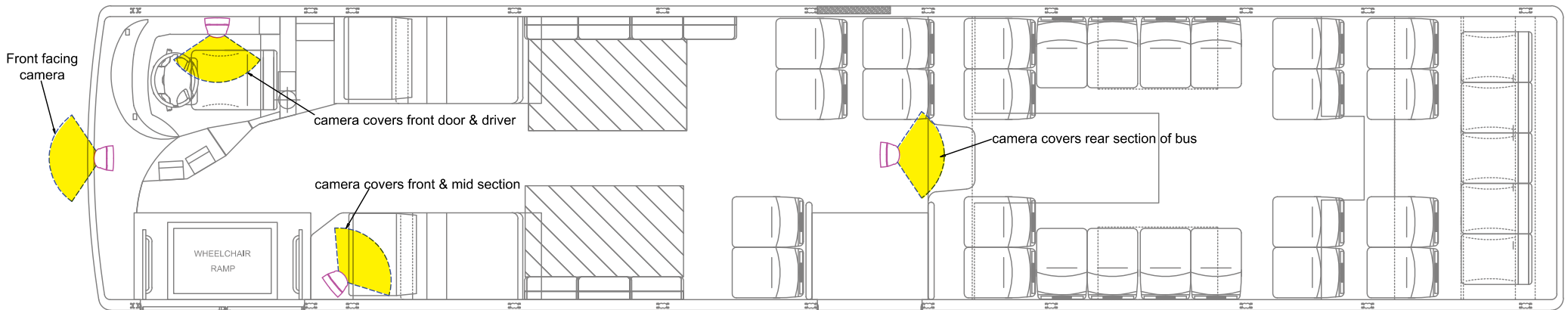
8 Camera Solution Example



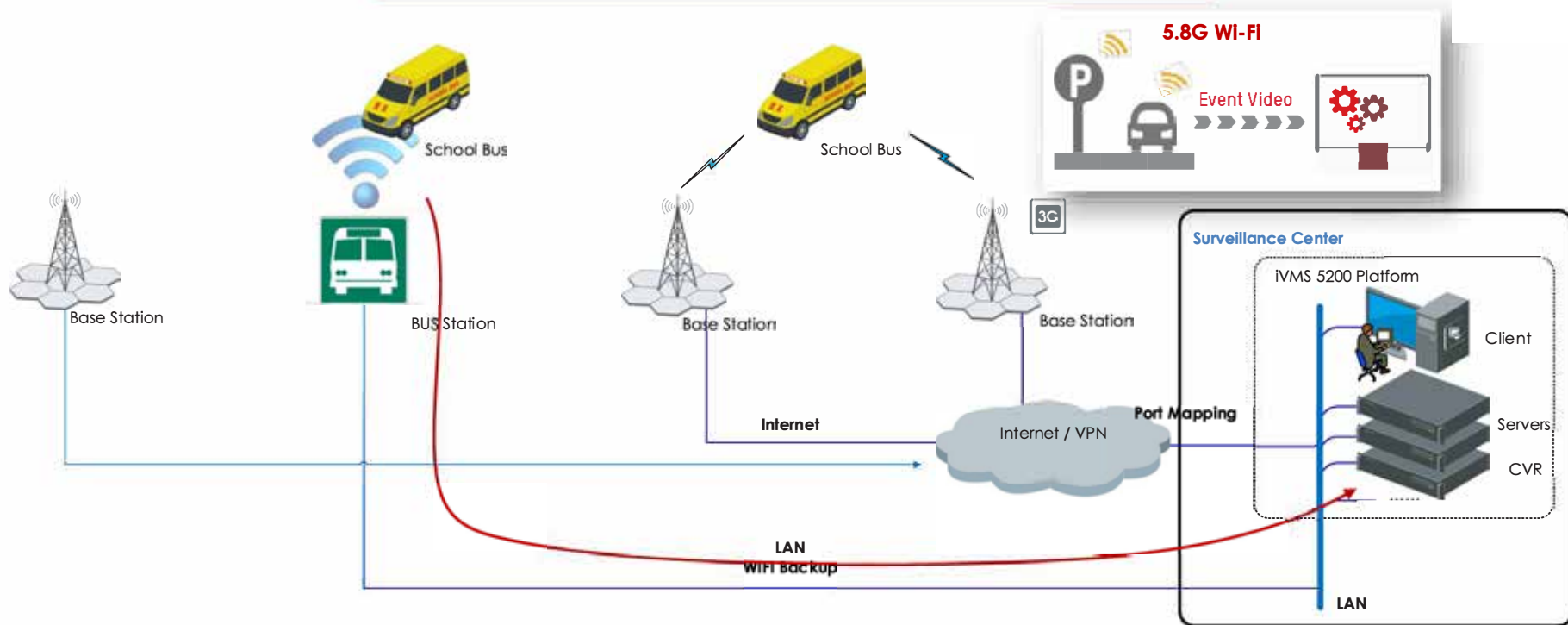
6 Camera Solution Example



4 Camera Solution Example



WIFI Schedule Download



- ✓ Bus recordings can be downloaded to iVMS-5200 Mobile Client when the bus arrives at the terminal and connects to Wi-Fi.
- ✓ MVR with high speed 5.8G WIFI is recommended, transmission speed up to **50Mbps** within 30 meters.

— WiFi Backup stream

iVMS-5200 MOBILE SOLUTION

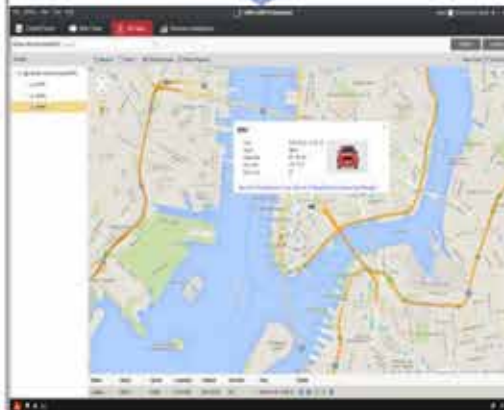
Integrated platform supports Mobile DVR & Dashcam solutions, providing;-

Remote Monitoring



- Real-time remote monitoring
- Historical playback
- AU & NZ 4G supported (B1, B3, B5, B8, B28)

GPS Positioning



- GIS Map locating
- Historical tracking

Alarm



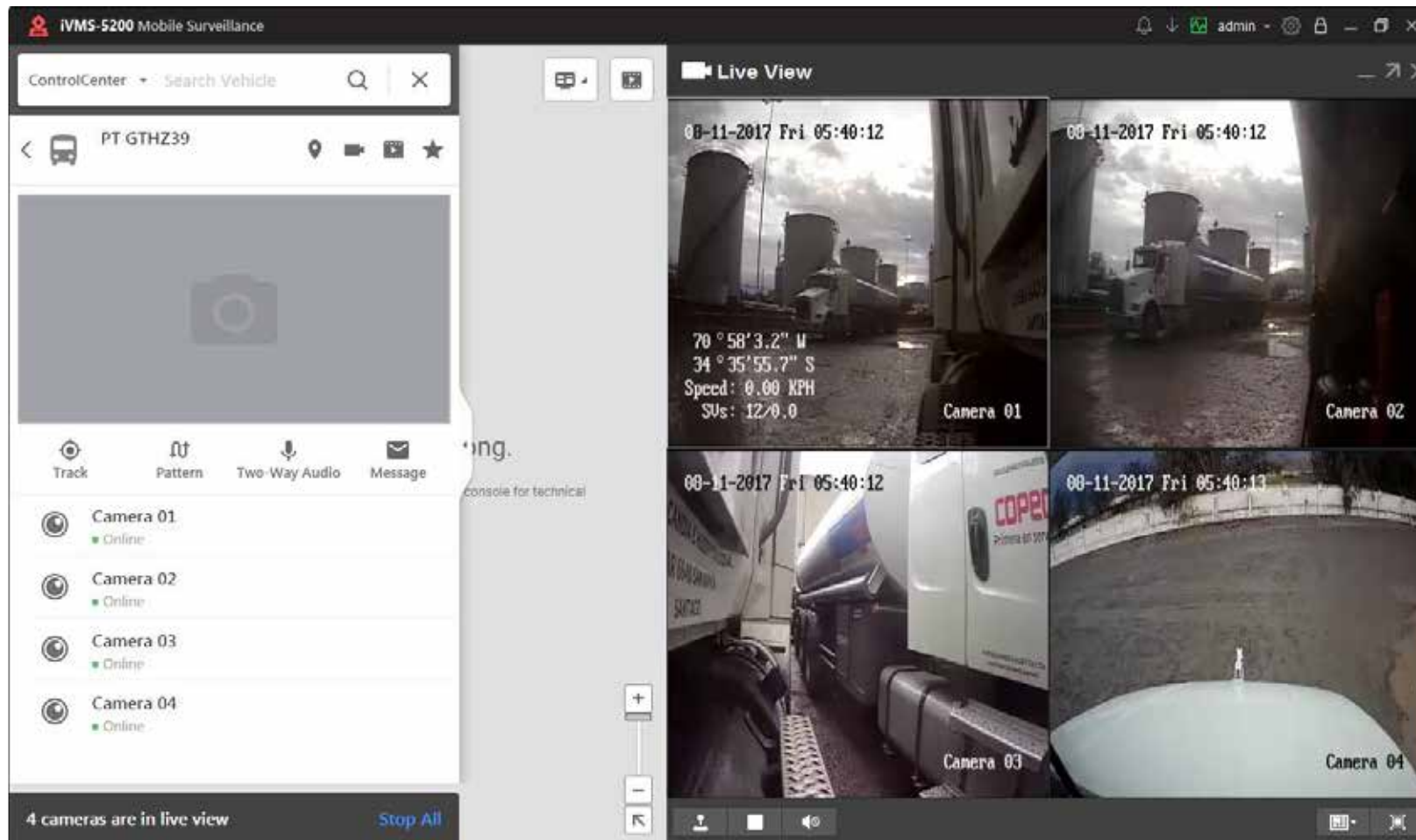
- Panic button
- Fence crossing alarm, deviation alarm

Intelligent Analysis



- People counting
- Driver behaviour analysis

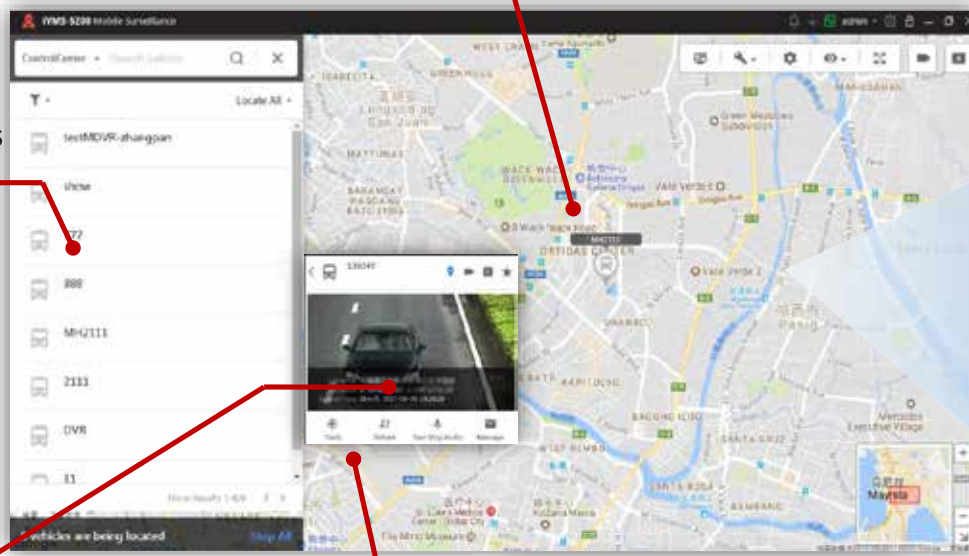
Remote Live View and Hosting



GPS Tracking & Playback

Real-time position on GIS Map (Google Map)

Select vehicles

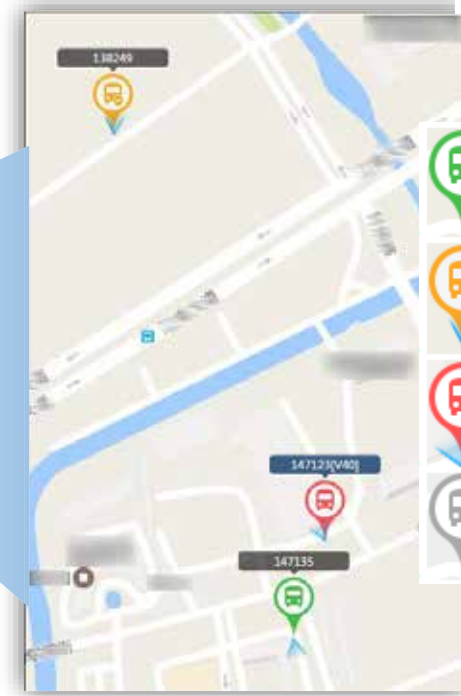


Vehicle real-time status

- Live view & Playback
- Latitude & Longitude
- Speed



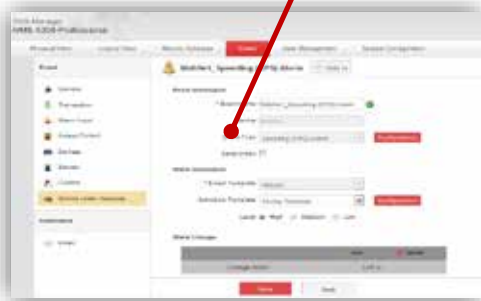
Route playback for track audit



-  Moving vehicle
-  Stopped vehicle
-  Vehicle in alarm
-  Offline vehicle (showing last available position)

Speed Alarm

Configure the speed alarm in the platform



In order to ensure safety, Buses are forbidden to exceed 100km/h (**user-defined speed limit**).

The bus is travelling over 100km/h for 5 seconds, alarm is triggered.

Bus driver will be notified by local voice beeping and monitoring centre receives alarm to verify the speeding driver

In the monthly/seasonal/yearly performance assessment reports, operators can access all the vehicles data for reference.

Alarm configuration

Alarm triggered

Safety warning

Alarm history check

Health Monitoring

Notifications of system events and errors.



Device Offline



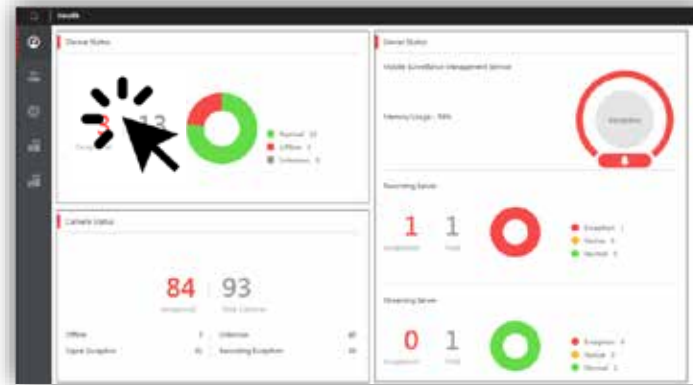
Camera No Signal



Recording Exceptions



Step 1. Check the health monitoring module



- Centralized display of health data of the overall system in dashboard, easily justify the health status of the system

Step 2. Click for details checking on abnormal items

Item	Address	Port	Connection/Status	User Status	Other Status	Recording Status	Priority
Item 1	192.168.1.1	8080	Disconnected	Offline	Offline	Recording	High
Item 2	192.168.1.2	8080	Disconnected	Offline	Offline	Recording	High
Item 3	192.168.1.3	8080	Disconnected	Offline	Offline	Recording	High
Item 4	192.168.1.4	8080	Disconnected	Offline	Offline	Recording	High
Item 5	192.168.1.5	8080	Disconnected	Offline	Offline	Recording	High

- List of the abnormal items will be shown here

Step 3. Fix the problems



- Network accessible
- Power on
- User name & password correct
- TF card normal

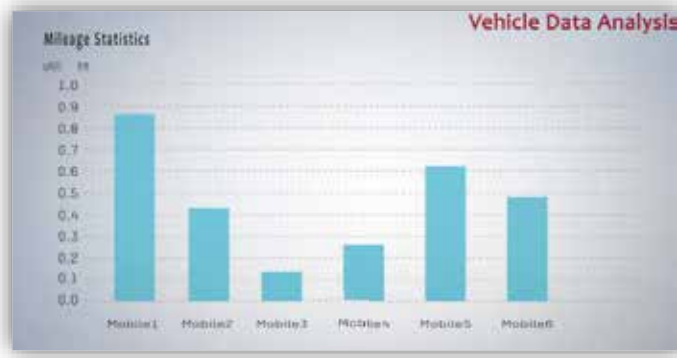
Statistic Reports

Network Traffic Report



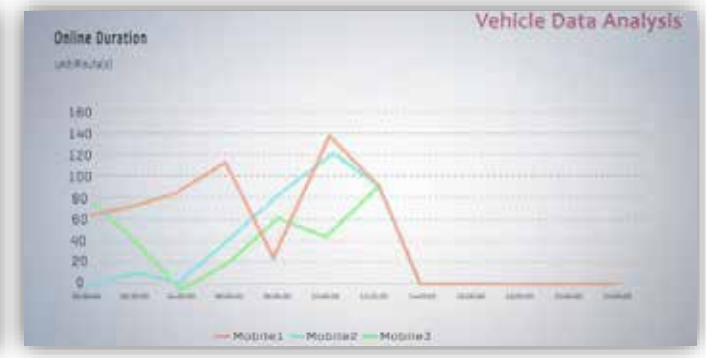
Shows the network traffic consumed by the vehicles.

Mileage Statistics Report



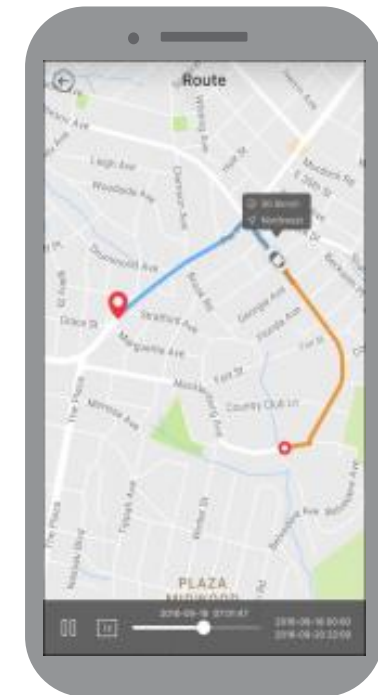
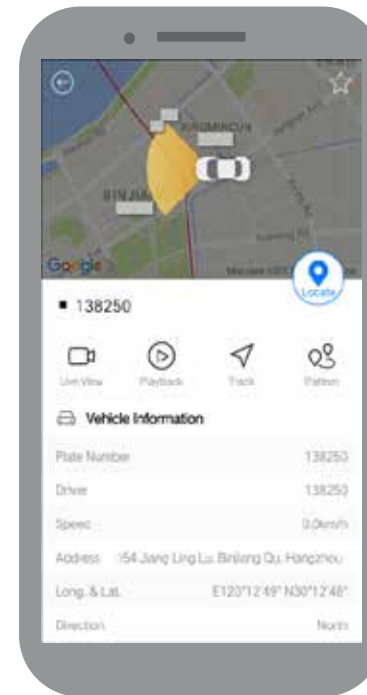
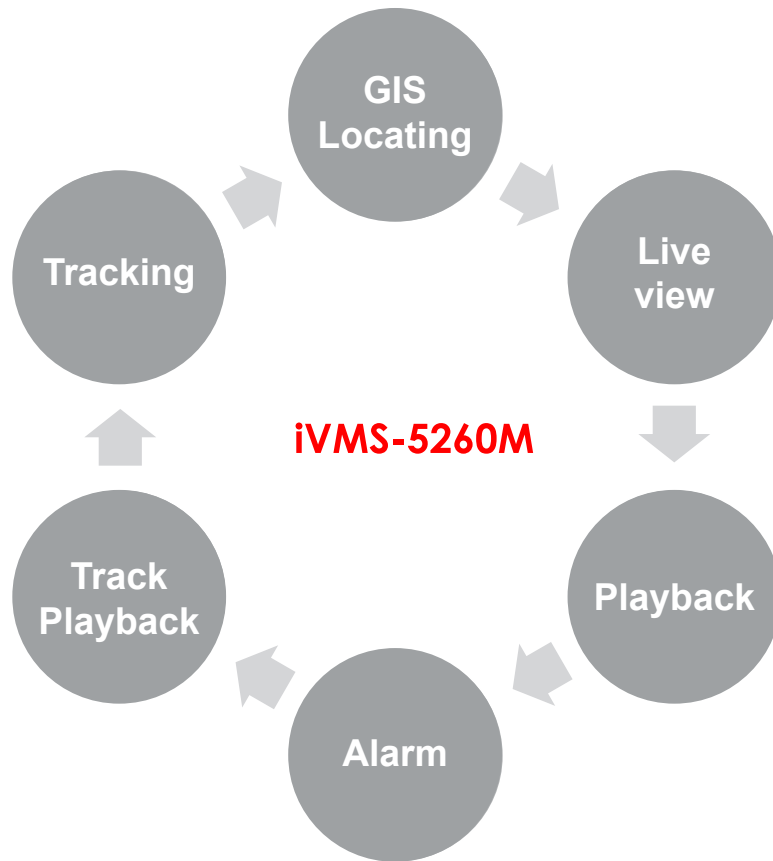
Shows the mileage covered by the vehicles.

Online Duration Report



Shows the online duration of the vehicles.

Mobile APP



System Requirement:



iOS 7.0 and above (since iPhone 4S).



Android 4.0 and above.

CAN & OBD INFORMATION COLLECTION



CAN、OBD



Access to CAN port/OBD accessory to collect vehicle information:
(Based on the varieties of CAN protocols)

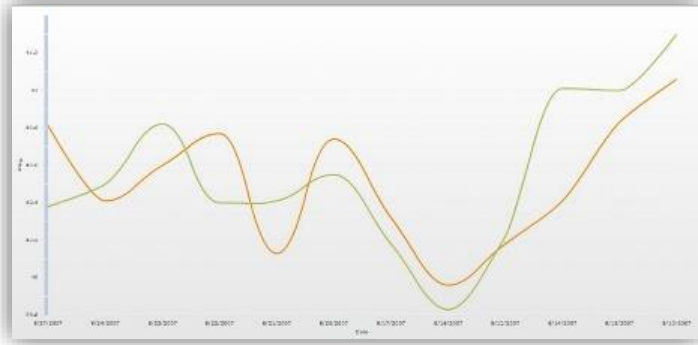
1. Vehicle speed
2. Mileage
3. Oil status
4. Open/close door status
5. Weight and cabin temperature
6. Engine performance



※ Need to customize CAN collection and integration with iVMS-5200M※

PASSENGER COUNTING

Application 1: Bus passenger counting



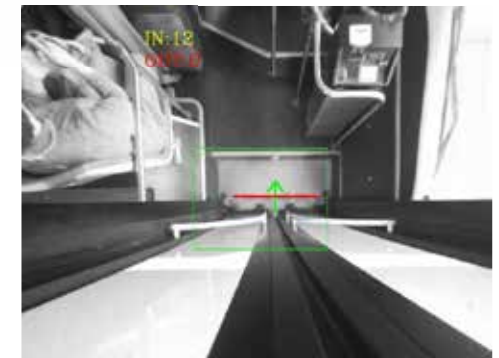
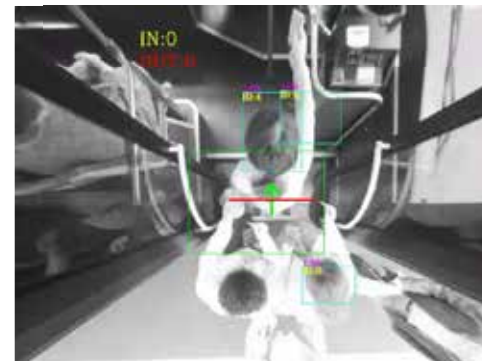
Generate daily passenger count reports to analyze the operating status, aiding business decisions.



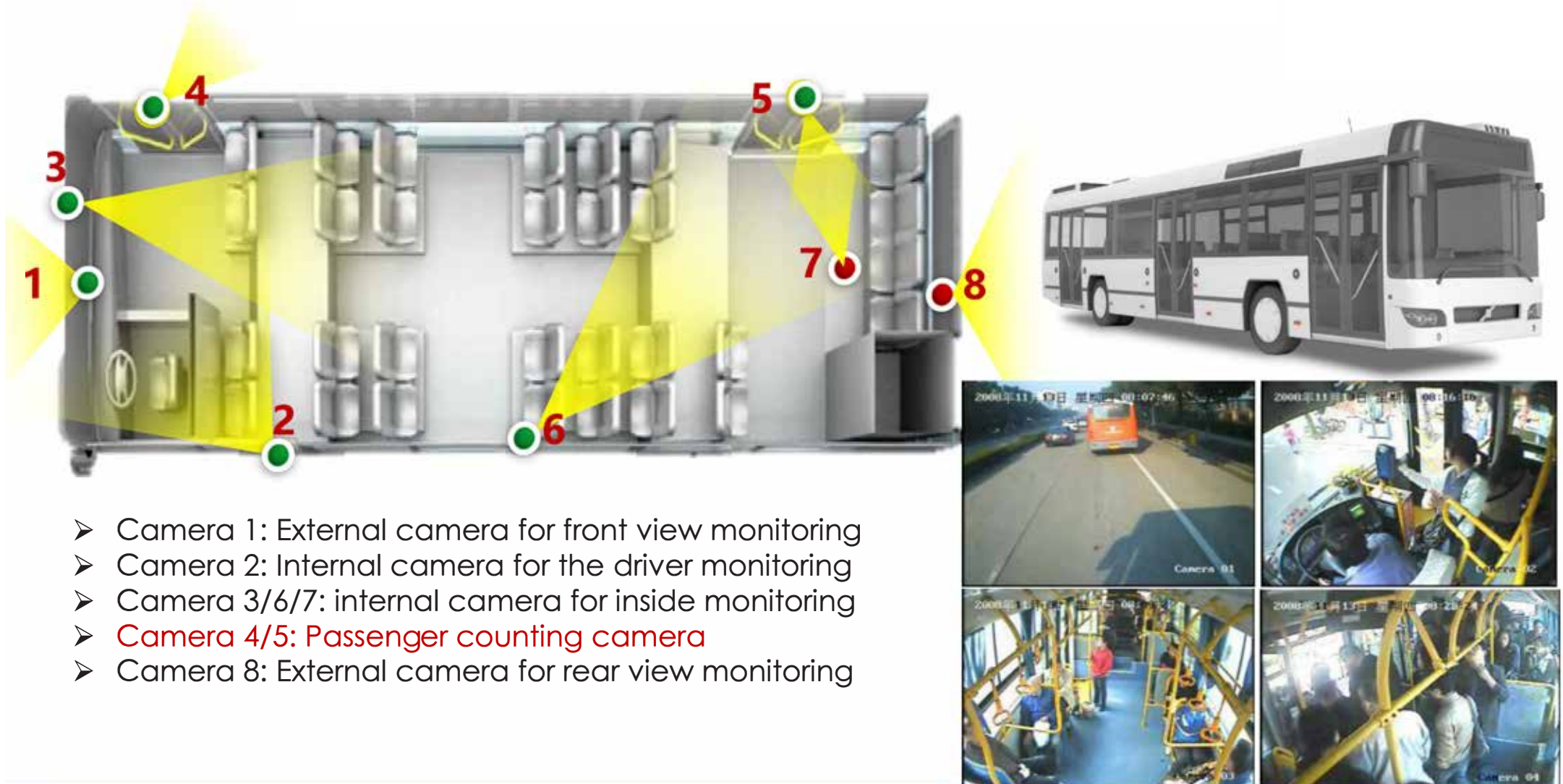
Application 2: Bus anti-fare evasion



Compare the passenger counting number with the sale of tickets to determine fare evasion.



Passenger Counting & Surveillance



DVR & Camera options

TVI DVR



- 4ch 10800P + 4ch 1080P IPC*
- 1 HDD+ 1SD
- 5.8G WIFI optional



- 8ch 1080P + 4ch IPC
- 2 HDD+ 1SD
- 2 CAN



- 16ch 1080P + 8ch IPC
- 2 HDD+ 1SD
- 2 CAN

TVI Camera



- Built in MIC
- 1080P Internal camera



- IRS Internal camera with Built in MIC
- HD 1080P
- -IR external IP68 camera



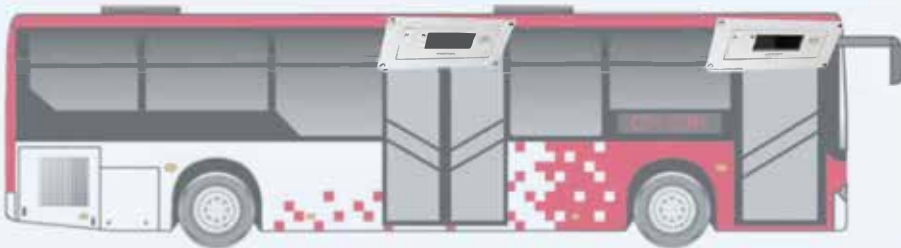
- Side view and rear view
- 720P external camera
- IP68

Please note: These are just a few examples of the various types of cameras available.

*Requires PoE Switch for mobile solution

Intelligent products

People Counter



DS-2XM6825G0/C-IVS

- ◆ Dual lens, dual CPU, support stereo views
- ◆ Flash memory storing people counting data
- ◆ 12 VDC/PoE
- ◆ Up to 3 m IR range
- ◆ 97% accuracy

Intelligent Analyzer



DS-MP1803

- ◆ Deep-learning algorithm, high object recognition and detection rate
- ◆ 2-ch IP camera (PON interface), 12V/1A
- ◆ Abnormal behavior detection:
Phone use, smoking, fatigue, and not looking straight ahead
- ◆ Face comparison (customized)
- ◆ People Counting (customized)
- ◆ Storing abnormal behavior videos in SD card, up to 128G

Accessories



Intercom Box



Extension Cables



Panic Button



LCD Screen



HDD box



3/4G module



Fireproof box



SSD



Protective Cover



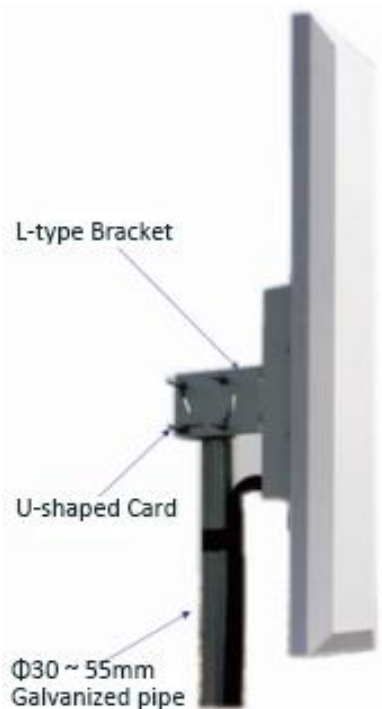
UPS



PoE Switch

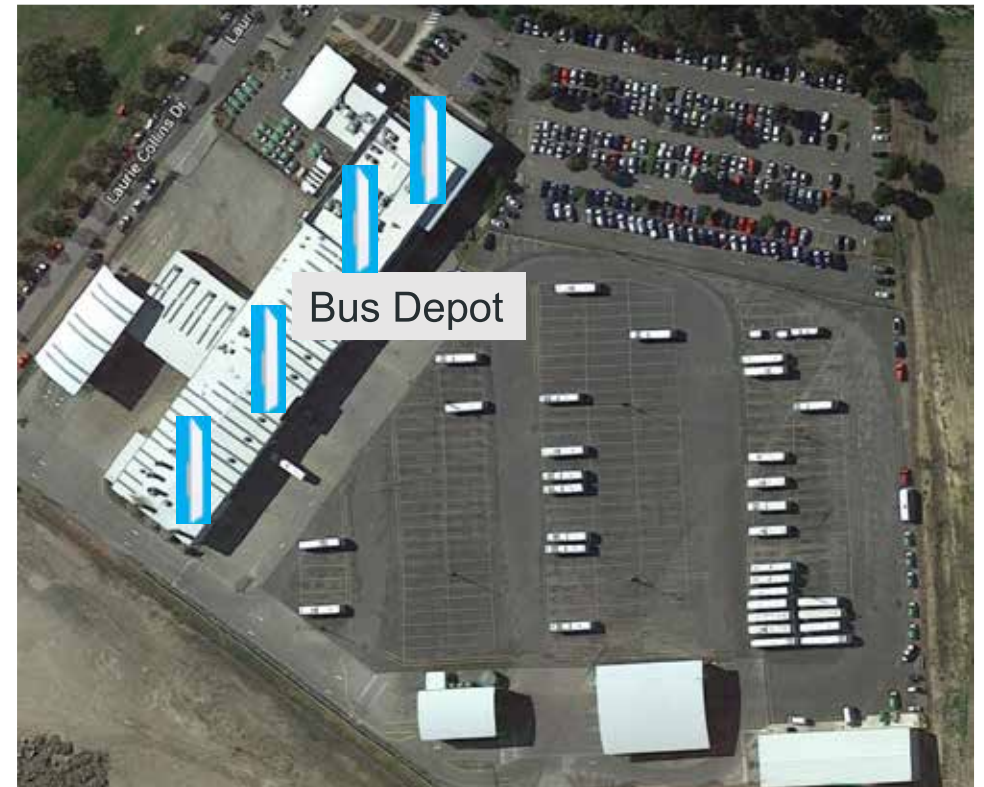
Wireless Network Bridge

• DS-3WF05A-5ACL 5.8G Wireless Network Bridge



Installation

- IP67
- -40 ~ 75 °C harsh environment
- Network bandwidth up to 150Mb
- Easy to operate
- Gain 15dBi, H:40° V:15°



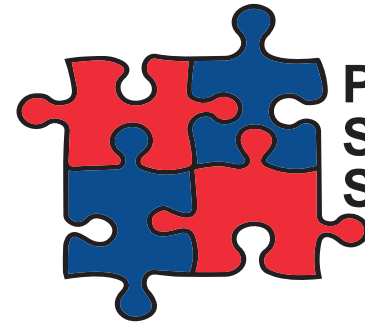


Parts
Supply
Solutions

is a fully licensed security company.

- Fully Licensed to install and advise on your CCTV requirements.
- Our staff are all fully licensed CCTV installers.
- We can tailor a solution to suit any requirement, many different options are available.

Talk to us about making your biggest assets secure.



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Supply
Solutions**

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