



sovereign  
SOLUTIONS

## DASH CAMERA CASE STUDY



An ideal solution to enhance security and safety. Our Geographical Information based device helps in improving efficiency and effectiveness of a business operation.

### About Sovereign Solutions

Sovereign Solutions Pte Ltd. has over two decades of expertise in the management of complex intelligence systems. Headquartered in Singapore, with a team of highly qualified experts on GIS, along with a team of collaborators spread across the world, Sovereign Solutions has become a leading provider of GIS. We provide solutions around Business Intelligence, Emergency responses systems, Infrastructure management, Tracking, Monitoring, Security etc.

### Problem Statement

Safe Transport on Roads is a challenge for many developing countries. Countries have invested in technology which is based on RFID, GPS and GPRS to track vehicle over speeding and driver driving time but the challenge is outdated RFID technology to establish driver identity and a call center interface which does not get intelligent alerts inhibiting adoption.

### Solution

The GIS based Dash camera from the Sovereign Solutions stable addresses the above challenges by using face recognition technology built on GIS platform to identify the correct driver for the correct vehicle. It has helped organisations in leveraging the large field force effectively by monitoring adherence to standard operating process, through the implementation of Cloud-based Dash camera solution.

# SOVEREIGN

## SOLUTIONS

REC HD 4K

### Dash Camera

Dash camera is first-of-its-kind car security camera that captures everything that is happening inside and outside the car, which you can view from any part of the world. It also helps in locating the car on real time basis with the in-built GPS vehicle tracker system.

The desktop-based system in command centre have a facility to view multiple live feeds simultaneously. Dashboards and business intelligence tools capability will further help in analysis and reports creation. The images/ videos will be hosted on server.



# SPECIFICATIONS

Chipset	H.264 image compression chip
Sensor Device	Forward facing lens: 720 p CMOS sensor Backward facing lens: 720 p CMOS sensor
View Angle	Outside vehicle: 120 degree Inside vehicle: 130 degree
Voltage	DC 5v +/- 5%, 1A cigarette lighter adapter
Operating Temp.	-20°C to 70°C
Storage Device	Micro SD card 8GB/Class 10 or above specification
Recording Frame	Forward facing lens: 1280x720 Backward facing lens: 1280x720
Recording Content	Date, Time, Image GPS Data
Recording Format	H.264 compression
G sensor	Internal sensor

## Dash Camera Features

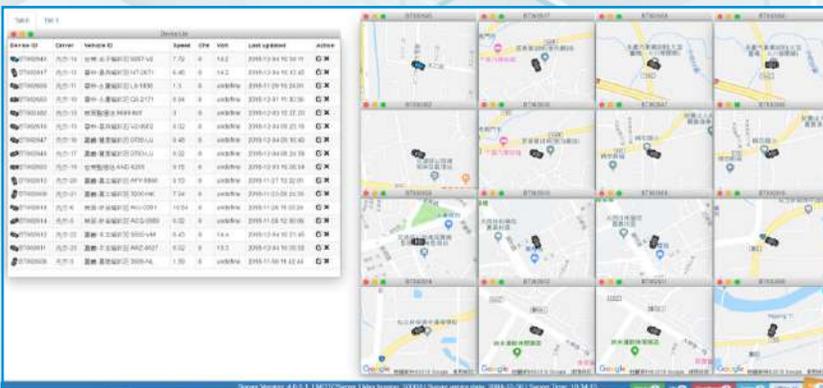
### LIVE STREAMING

**Dual Live Streaming cameras**  
Live streaming of inside and outside of the car from anywhere, anytime.

**Multi-camera video**  
View the live streaming of all your connected device in one place.



### LIVE MONITORING



### View and Talk

Do more than just being a silent spectator. Talk to the person on the other side while you see and stay connected round the clock.

### Live monitoring

Monitor the exact location of your cameras

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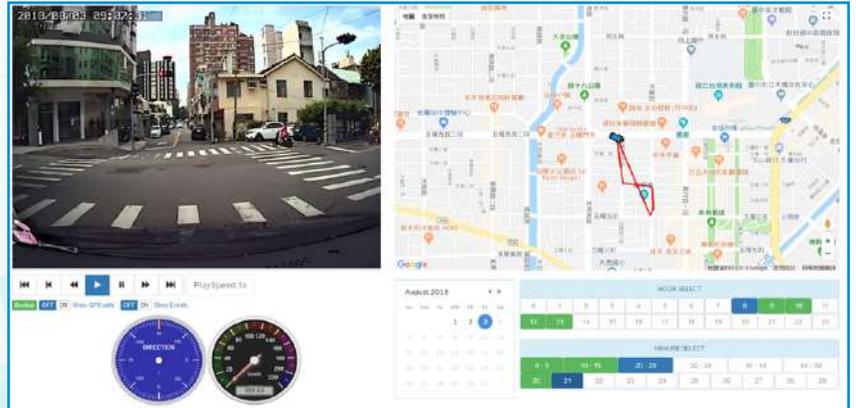
## VIDEO PLAYBACK

### Video playback

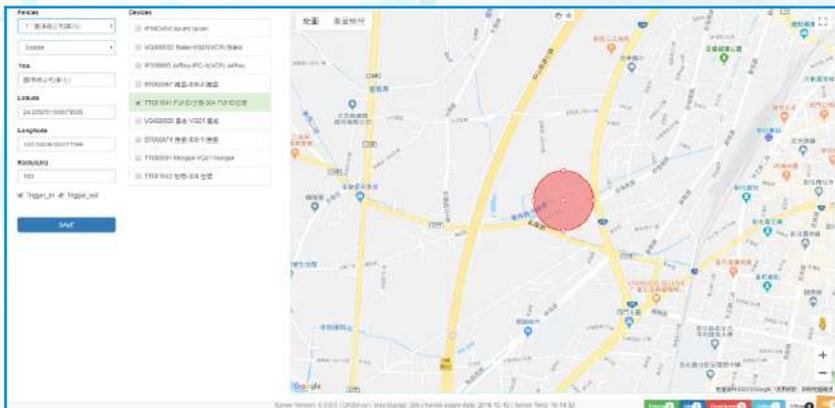
Video playback from any camera from anywhere. Continuous video recording even during an Internet connection loss

### Light in weight

Light-weighted cameras to clip on the windscreen of car to ensure they stay on and point to the directions you wanted



## GEO-FENCING



### Geo-fencing

Define your own geographical boundaries and receive a notification whenever an activity outside predefined areas take place.

### Easy to use

Easy installation and ready to use in no time.

## FACE RECOGNITION

### Over-speeding alerts

Get alerts when your driver exceeds the pre-defined speed limits.

### Face recognition

Get smart alerts based on facial recognition for unidentified driver driving your vehicle.

### Route playback

Simulate the path taken by driven over selected time frame.



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