

Haulage Management Solution



Management Overview

One Platform for Vehicle, Driver and Property



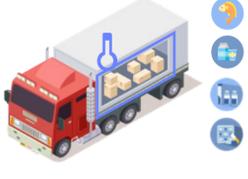
Security Module - Vehicle Tracking & Monitoring

- Real-time Monitoring
- Route & Speed Control
- Video Recording & Retrieval
- Panic Button Alert



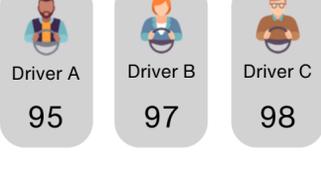
ADAS Module - Driver Protection & Assistance

- Intelligent Collision Warning
- Intelligent Driver Behavior Analysis
- Blind Spot Detection



IOT Module - Property Management & Protection

- Goods Integrity
- Temperature Monitoring
- Fuel Consumption



HikCentral Platform - Performance & Operation Analysis

- Mileage & Online Hour Statistics
- Event & Alarm Statistics
- Arrival Statistics
- Fuel Consumption Statistics

Management Scenarios

Large truck long-distance transportation among warehouses



Manufacturing Warehouse



Fulfillment Center Warehouse



Distribution Center Warehouse

User Groups:

Logistics Company

- That owns truck fleet

System Integrator

- With experience of mobile applications

Insurance Company

- That offers fleet management solution

Key Features

✗ Hard to determine accident causes

✗ Hard to exonerate innocent drivers

1. Lack of Data or Evidence of Accidents

▶ Real-Time Monitoring

- Monitor real-time truck position or driving route with GPS
- Start live-view or two-way audio with the driver if needed

▶ Video Recording & Retrieval

- For video records during accidents or important incidents, search by alarm records or timestamp
- Video playback and download



2. At-Risk Driving Could be Costly

✗ Difficulties like long working hours, physical burden, harsh weather, etc. make driving safely a challenge

▶ Intelligent Collision Warning

Identify dangers of forward collision, pedestrian collision, etc. and trigger audio warning

▶ Intelligent Driver Behavior Analysis

Detection of dangerous behaviors such as

- Fatigue driving
- Smoking
- Making phone calls for prompt intervention

▶ Panic Button Alert

The driver can manually trigger an alarm for assistance in case of emergency



3. High Operation Costs due to Loss and Theft

✗ Fuel loss due to careless driving or theft

✗ Goods loss due to spoilage, rejected loads, etc.

✗ Goods loss due to internal fraud

▶ Goods Integrity

Monitor rear door status throughout the journey to make sure that

- Delivered goods are intact
- High-value goods are not replaced
- Truck not used for other purposes

▶ Temperature Monitoring

Monitor container temperature during cold chain services

- Complete temperature records available for customer reference.
- Real-time alarm for abnormal temperatures.

▶ Fuel Consumption

Monitor fuel level to

- Identify sudden drop, which could be caused by fuel stealing.
- Analyze fuel usage across drivers and provide foundation for coaching or other driver assistance measures.



4. Inefficient Operation Management

✗ Hard to evaluate driver performance

✗ Isolated data cannot reflect the state of operation



Data aggregated on HikCentral for custom display and analysis

- Driver Evaluation
- Routing & Shift Arrangement Optimization
- Coaching Arrangement & Result Assessment

Solution Architecture

