

## Оборудование для вилочных погрузчиков

### Installation diagram



### All AI Integrated Terminal

Waterproof Level: **IP67**, **Explosion proof**, **High heat dissipation** and easy installation

**H.265/H.264 compression mode**

**Built-in DMS camera**

**Built in 4G/WIFI module**

**BD/GPS module**



## Forklift DVR System



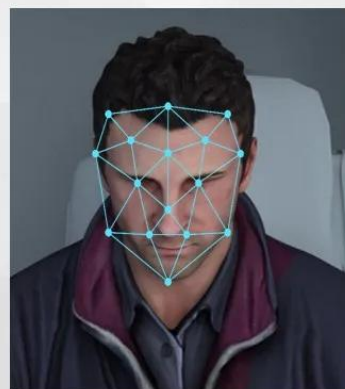
## Параметр продукта

|                   |                         |                                                                                                                                                                       |
|-------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Basic parameter   | Network format          | 4G <u>TDD-LTE</u> , <u>FDD-LTE</u> /full network access                                                                                                               |
|                   | Memory                  | 2Gb                                                                                                                                                                   |
|                   | Integrated camera       | AHD 1080p camera (IF DMS is Infrared black and white camera )                                                                                                         |
| Hardware features | position                | Dual-mode positioning, supports GPS+ <u>Beidou</u> ; positioning accuracy $\leq 10m$ (95% probability); Positioning time, hot start $\leq 5s$ , cold start $\leq 45s$ |
|                   | WiFi (optional)         | 2.4G; IEEE 802.11b/g/n                                                                                                                                                |
|                   | MIC                     | Single microphone, supports echo and noise cancellation                                                                                                               |
|                   | G-sensor                | 3-axis gravity acceleration sensor                                                                                                                                    |
| 3G/4G             | module type             | Support built-in 3/4G wireless transmission function, <u>TDD-LTE</u> , <u>FDD-LTE</u>                                                                                 |
| Interface         | video interface         | Expansion harness supports expansion of 1-channel video                                                                                                               |
|                   | SIM card holder         | SIM card holder*1 (medium card)                                                                                                                                       |
|                   | Communication Interface | Integrated 1-way RS232 serial port                                                                                                                                    |
|                   | Can (optional)          | Can be <u>scalable</u>                                                                                                                                                |
| Antenna           | BD/GPS antenna          | Built-in/external antenna available                                                                                                                                   |
|                   | 4G antenna              | Built-in antenna                                                                                                                                                      |
|                   | WIFI antenna            | Built-in antenna                                                                                                                                                      |
| Power             | power input             | 9-110V wide voltage input                                                                                                                                             |
|                   | Working current         | 12V 0.35A without infrared (MAX)                                                                                                                                      |
|                   | low power mode          | 12V 0.5A turns on infrared (MAX)                                                                                                                                      |

# Функция ИИ

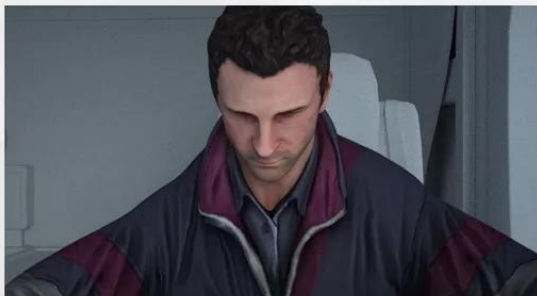
## Authorized Operation Face Recognition

Face recognition are required before operation. Computer image processing technology is used to extract portrait feature points from the video for intelligent analysis to prevent drivers from skipping work and other unregistered drivers from operating the vehicle.



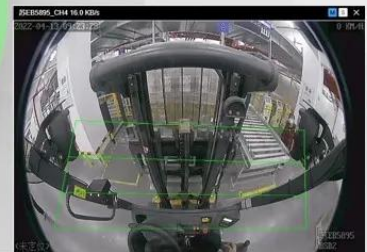
## Driver Monitoring Status Analysis

Dangerous behaviors will be detected by DMS camera such as Fatigue(eye close, yawn), distraction, smoking and calling, also will send voice alarms to drivers and alarms will be uploaded into the operation center.



## Blind Spot Detection

BSD camera is optional. People in blind spot area can be detected. When people are detected in blind area, there will be different level alarms including sound and lamp. Once people are in the impact zone, The forklift automatically brakes to stop (with throttle controller)



## Speed Sensor and Alarm Reminder (R-WATCH)

Speed perception will be carried in a field without positioning. It also provides voice and beep sound prompts for speeding, and can display alarm type and vehicle speed



## Safety Seatbelt Monitoring

After installing the seat belt warning device, the vehicle will not be started if the seat belt is not fastened.



- Real-time monitoring of non-fastening of seat belts and alarm reminders will be carried out.
- Violation alarms will be uploaded to the platform for statistical analysis to ensure the safety of forklift operators.



## Управление платформой автомобиля

### Other Functions

#### Data recording

Switching time and working time, loading time and mileage



#### Accident recording

Driver identity information, time of occurrence, location and other information



#### Reminder function

Forklift maintenance ,annual inspections, operator certificate and equipment expiry reminders



#### Vehicle dispatching system

Reasonable calls based on resource conditions, avoiding uneven distribution of resources



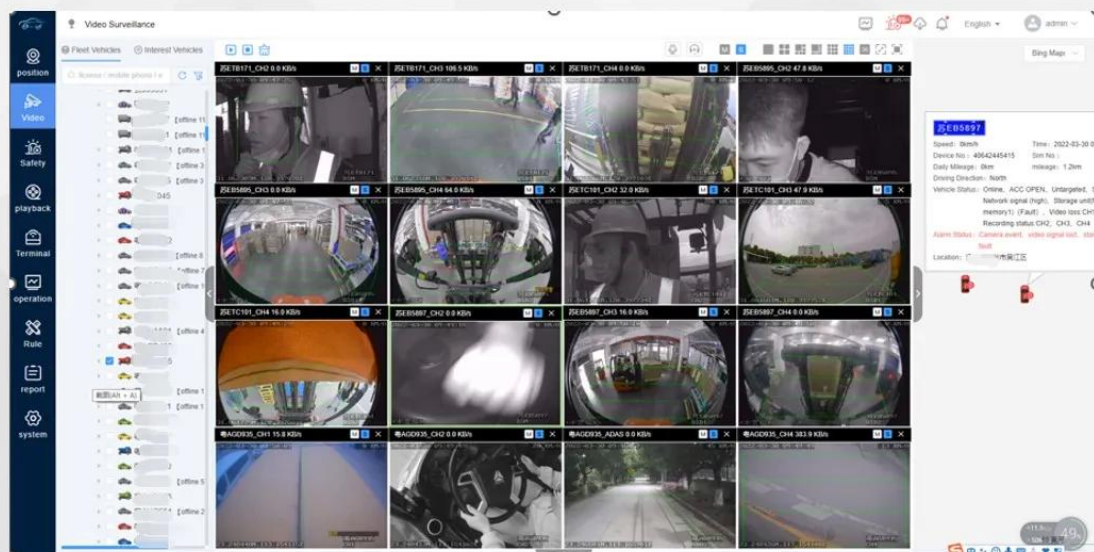
## Vehicle Management Software(VMS)

Management and scheduling: All vehicle videos, GPS information, alarm information, video management, user management, etc.



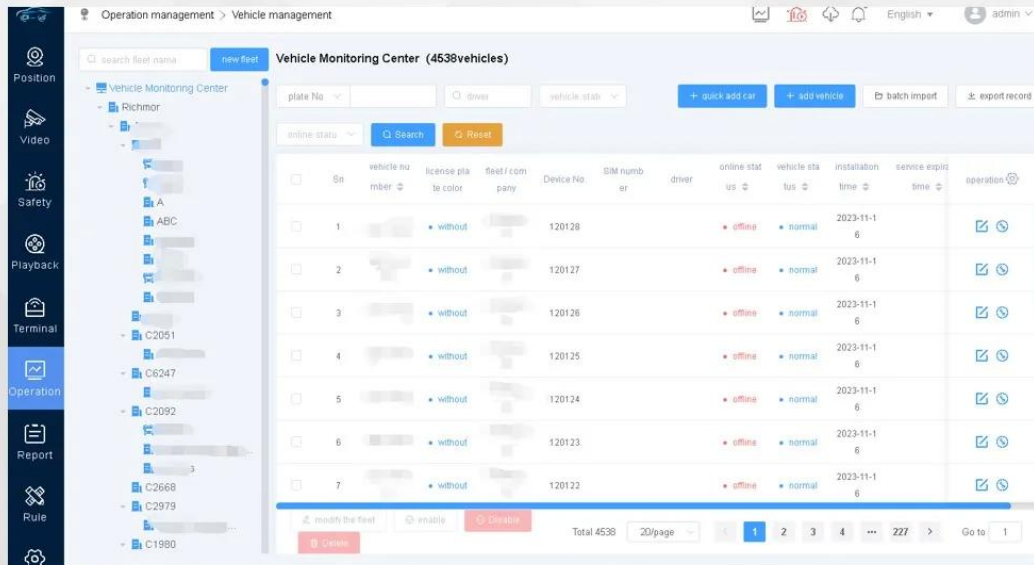
## Live Video

Real-time video browsing, supports simultaneous browsing of multiple screens, vehicle location information, equipment status, GPS map display, etc.



## Operation Management

Evidence query such as video loss, offline, GPS abnormal and other vehicle information



Operation management > Vehicle management

Vehicle Monitoring Center (4538 vehicles)

plate No. driver vehicle status + quick add car + add vehicle batch import export record

online status Q Search Reset

|                          | Sn | vehicle number | license plate color | fleet / company | Device No | SIM number | driver | online status | vehicle status | installation time | service expiry time | operation |
|--------------------------|----|----------------|---------------------|-----------------|-----------|------------|--------|---------------|----------------|-------------------|---------------------|-----------|
| <input type="checkbox"/> | 1  |                | without             |                 | 120128    |            |        | offline       | normal         | 2023-11-16        |                     |           |
| <input type="checkbox"/> | 2  |                | without             |                 | 120127    |            |        | offline       | normal         | 2023-11-16        |                     |           |
| <input type="checkbox"/> | 3  |                | without             |                 | 120126    |            |        | offline       | normal         | 2023-11-16        |                     |           |
| <input type="checkbox"/> | 4  |                | without             |                 | 120125    |            |        | offline       | normal         | 2023-11-16        |                     |           |
| <input type="checkbox"/> | 5  |                | without             |                 | 120124    |            |        | offline       | normal         | 2023-11-16        |                     |           |
| <input type="checkbox"/> | 6  |                | without             |                 | 120123    |            |        | offline       | normal         | 2023-11-16        |                     |           |
| <input type="checkbox"/> | 7  |                | without             |                 | 120122    |            |        | offline       | normal         | 2023-11-16        |                     |           |

modify the fleet enable Disable Total 4538 20/page 1 2 3 4 ... 227 > Go to 1

## Solution Advantages

- AI function, efficient, intelligent and comprehensive management and monitoring of fleet operations;



### Easy Installation



### Support Android/IOS/WEB



### Support APP for configuration



Профиль компании

## Our Company



Shenzhen Richmor Technology Development Co., Ltd. is a High-tech manufacturer specialized in digital and intelligent mobile video products, with rich experience in developing, producing and after-sales service over 16 years. Products mainly include SD card MDVR, Hard disk MDVR, MNVR, True-AI MDVR, dashcam, cameras, monitors, etc. We concentrate ourselves on providing customers with the most advanced technologies and products.



## Development



## Office and R&D



## Workshop



## Certificates



## Exhibition

