



## 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



<b>Basic parameter</b>	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)
<b>Hardware features</b>	position	Dual-mode positioning, supports GPS+ <u>Beidou</u> ; positioning accuracy $\leq 10\text{m}$ (95% probability); Positioning time, hot start $\leq 5\text{s}$ , cold start $\leq 45\text{s}$
	WiFi (optional)	2.4G; IEEE 802.11b/g/n
	MIC	Single microphone, supports echo and noise cancellation
	G-sensor	3-axis gravity acceleration sensor
<b>3G/4G</b>	module type	Support built-in 3/4G wireless transmission function, <u>TDD-LTE</u> , <u>FDD-LTE</u>
<b>Interface</b>	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>
<b>Antenna</b>	BD/GPS antenna	Built-in/external antenna available
	4G antenna	Built-in antenna
	WIFI antenna	Built-in antenna
<b>Power</b>	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)

## 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.



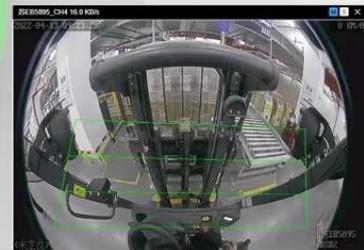
## Driver Monitoring Status Analysis

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.



## 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



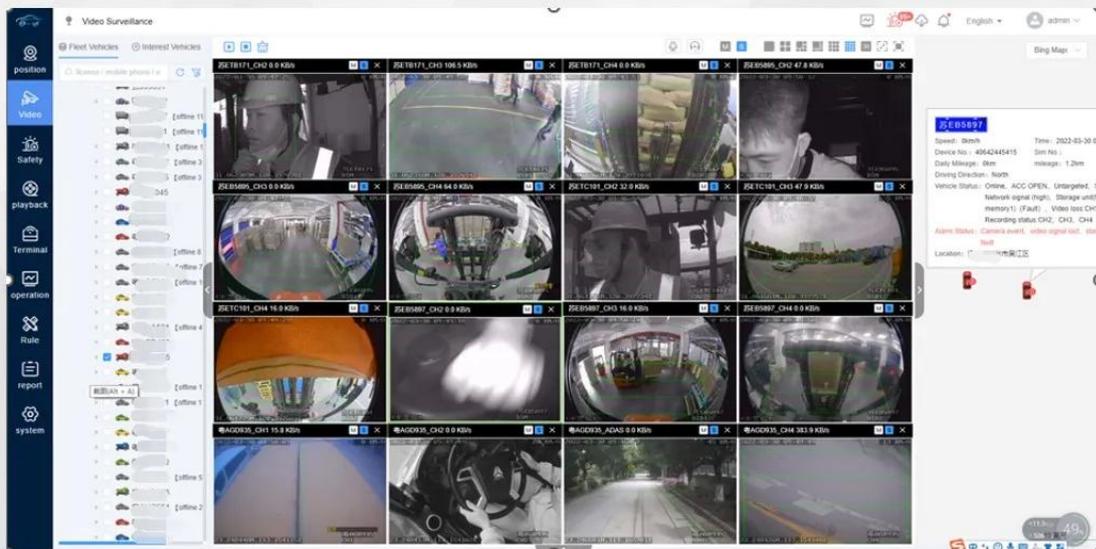
# Vehicle Management Software(VMS)

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



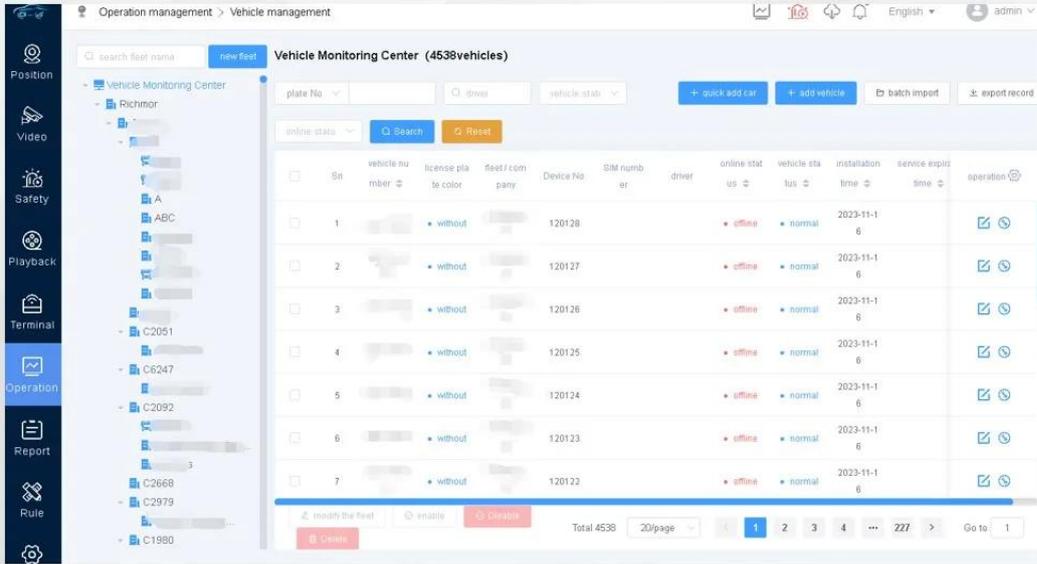
# Live Video

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



# Solution Advantages

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



Easy Installation



Support Android/IOS/WEB



Support APP for configuration



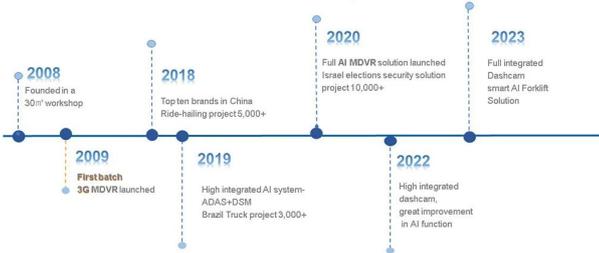
Our Company



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

