Forklift Background and Analysis

1. **Surge demand for forklift**: In 2022, global forklift sales are approximately 1.87 million units.

2. **Increasing demand for AI Security Products**

There are lots of blind spots for forklift drivers, and due to irregular behaviors(fatigue, distraction etc) and operations(overspeed), accidents will easily happen when in operation, causing property damage or human injury. It is a huge cost.

3. Lack of **control and management for the fleets**
Operations of Illegal drivers

03 Core Function

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.

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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.
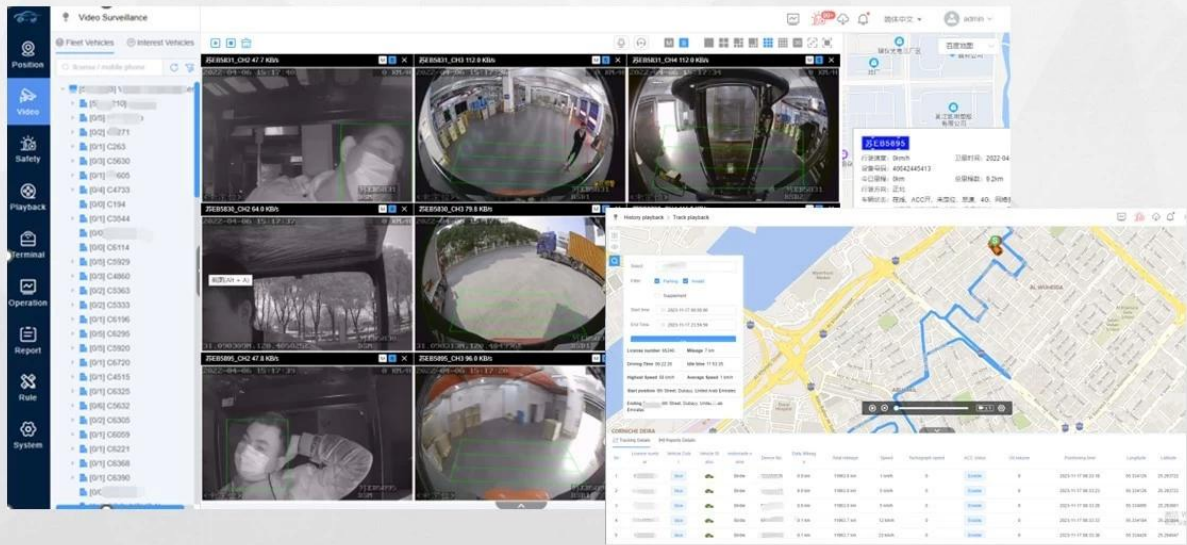
04 VMS

Vehicle Management Software(VMS)

VMS is the key of whole monitoring system.
Management and scheduling: All vehicle videos, GPS information, alarm information, video management, user management, etc. all are operated and managed by the system platform.
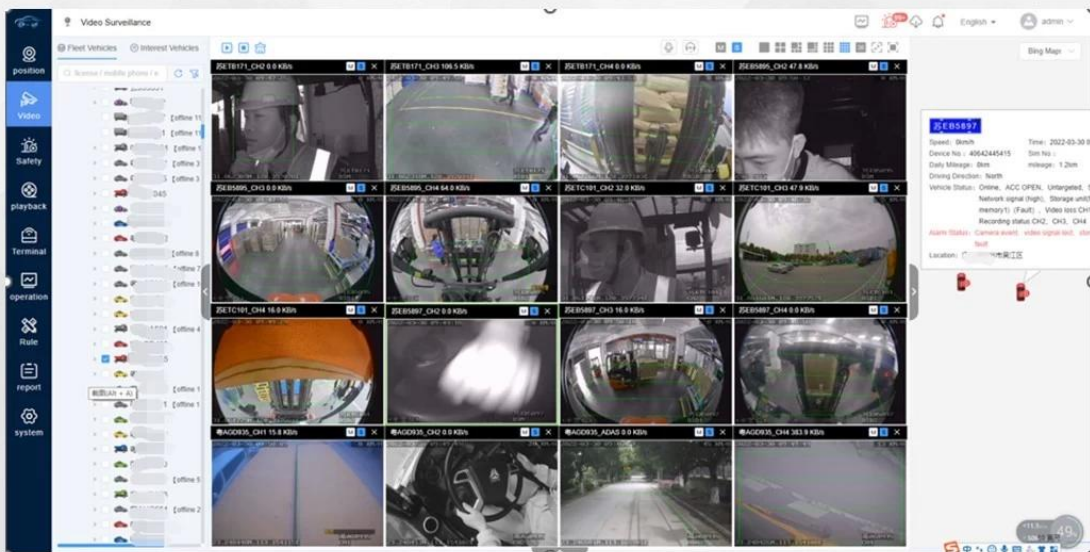
Video and Track Playback

Including GPS tracking, video playback, alarm attachments etc

Live Video

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

05 Advantages