



SHANGHAI TONGLI INFORMATION TECHNOLOGY CO., LTD.



Company Profile

LEADING MANUFACTURER OF 4G/5G MDVR IN CHINA SINCE
2008



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About Us

PART 01



15+

Experience

200+

Professional staff

1500000+

Vehicles served globally

About Tongli

LEADING MANUFACTURER Of 4G/5G MDVR In CHINA SINCE 2008

2008

Tongli was founded

15%

R&D investment as % of sales

80+

Used in more than 80 countries and regions worldwide

100+

Obtained domestic and international patents

1000+

Examples of TongLi's achievements

50000+

Monthly factory Delivery Capability

Tongli is headquartered in **Shanghai** with a factory in **Shenzhen**. We specializes in the production of vehicle video recorders and related products, integrating R&D, manufacturing, sales and system solutions. All kinds of products of the company are in the leading position in the industry, and the products have a high market share and good reputation. As of **2024**, TongLi has more than **200** employees, including **90** R&D personnel.

TONGLI ADVANTAGES

Good Quality!

The quality and reputation among peers and customers are very good

Good Cost Performance!

While ensuring quality, our products have a high price/performance ratio among competitors.

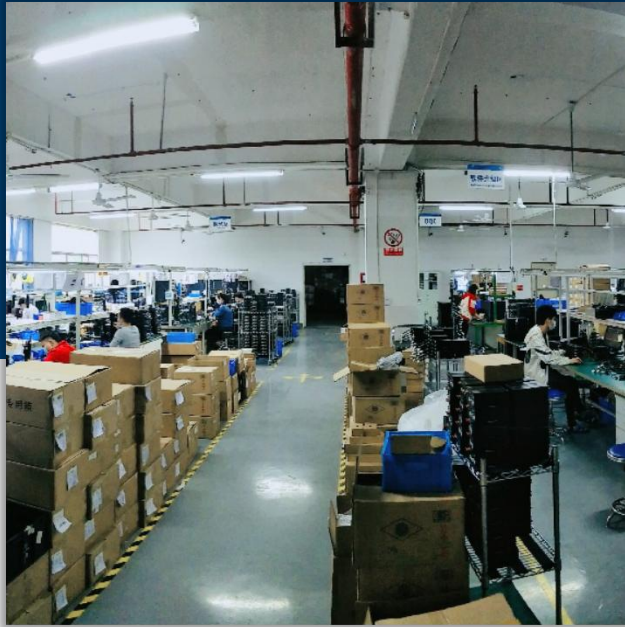
Good Service!

Key customers, key projects, always on call. Respond and resolve issues quickly.

Good Innovation!

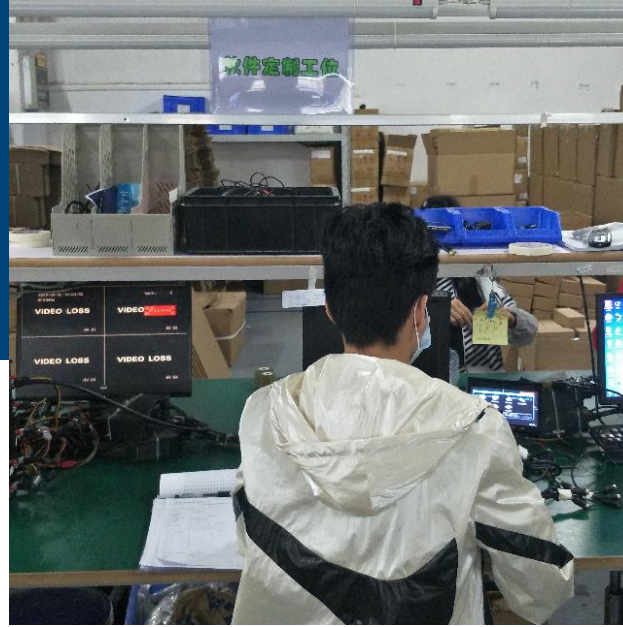
Originating from customer pain points, continuous innovation

Strong Production Capacity!



Powerful production Efficiency

Production and sales have reached 40,000 units per month, and both production capacity and delivery speed are at the leading level in the industry.



Personalized production

It can be produced according to the customer's customized software and customized parameters, and the customer can install and use it directly after receiving



Production process can be traced

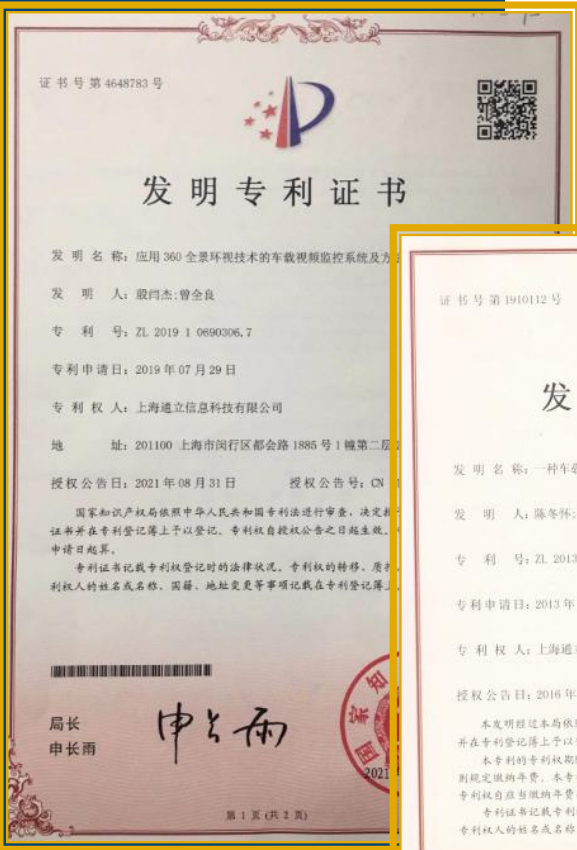
Customer order information, parameter permission settings, production process data, etc. are all recorded in the database



Company Qualifications

Shanghai Tongli Information Technology Co., Ltd. is a specialized and special "little giant" enterprise certified by the Ministry of Industry and Information Technology, a **high-tech enterprise** in Shanghai, a small technology giant enterprise in Minhang District, and a **research and development institution** in Minhang District. Our company has passed **ISO9001** and **IATF16949:2016** quality management system certification.





Patent Technology

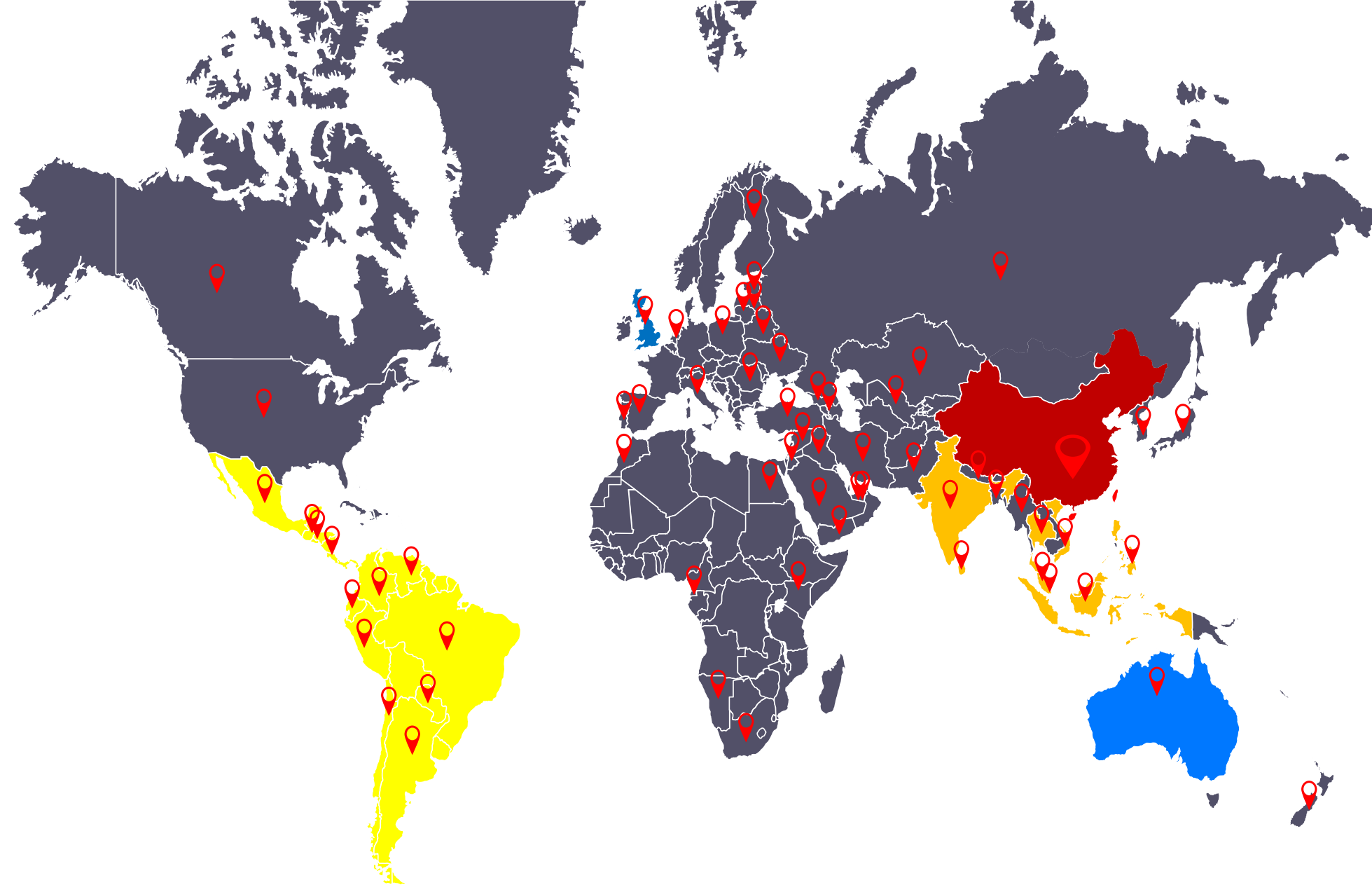
Our company has multiple patent certificates for inventions, designs, utility models, etc., and has obtained multiple computer software copyright registration certificates.





OUR FOOTMARKS

Traveling to exhibitions around the world, visiting client companies and coaching clients on-site



Tongli Around the World

Tongli places great emphasis on overseas markets and has already achieved top market share in a number of countries.

Solution

PART 02



Architecture

It consists of in-vehicle video surveillance, driving recorder, ADAS advanced assisted driving system, DSM driver status analysis system, BSD blind zone monitoring in one. Built-in AI high-performance processing chip, using H.265 video codec technology, realizes analog high-definition video recording, storage and playback. Combined with 3G/4G wireless transmission technology, positioning technology, RFID technology, it can realize real-time uploading of video recording, vehicle driving record information, driving behavior analysis and alarm evidence uploading. Through the control center can real-time remote monitoring, remote analysis and processing of vehicles.



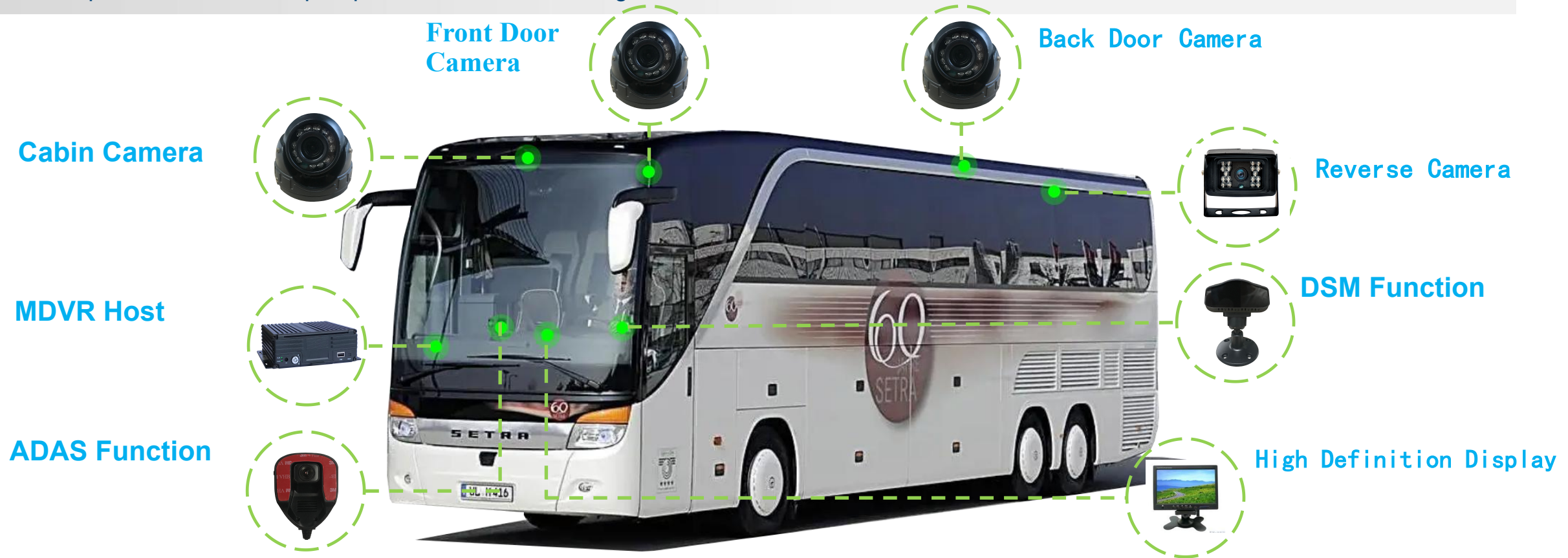
Scenarios



Suitable for a wide range of vehicles

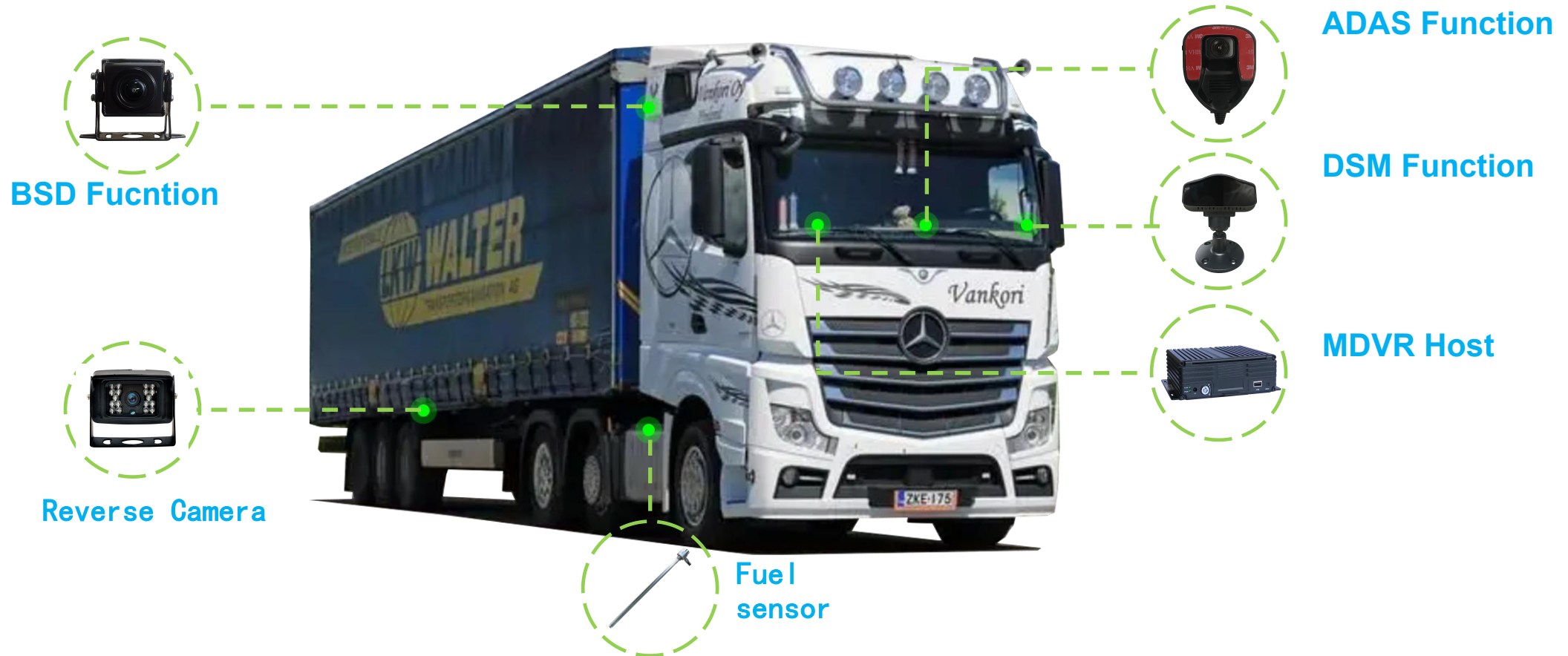
Bus Applications

MDVR host connects to CMS management platform through wireless network, and uploads information such as in-vehicle audio/video, alarms, real-time GPS information of vehicles, vehicle driving status, AI intelligent warning, etc. to CMS for unified management. the CMS platform supports real-time monitoring, video playback, track playback, remote scheduling, intercom, AI alarm management, snapshot, electronic map, report statistics, rule management and other functions.



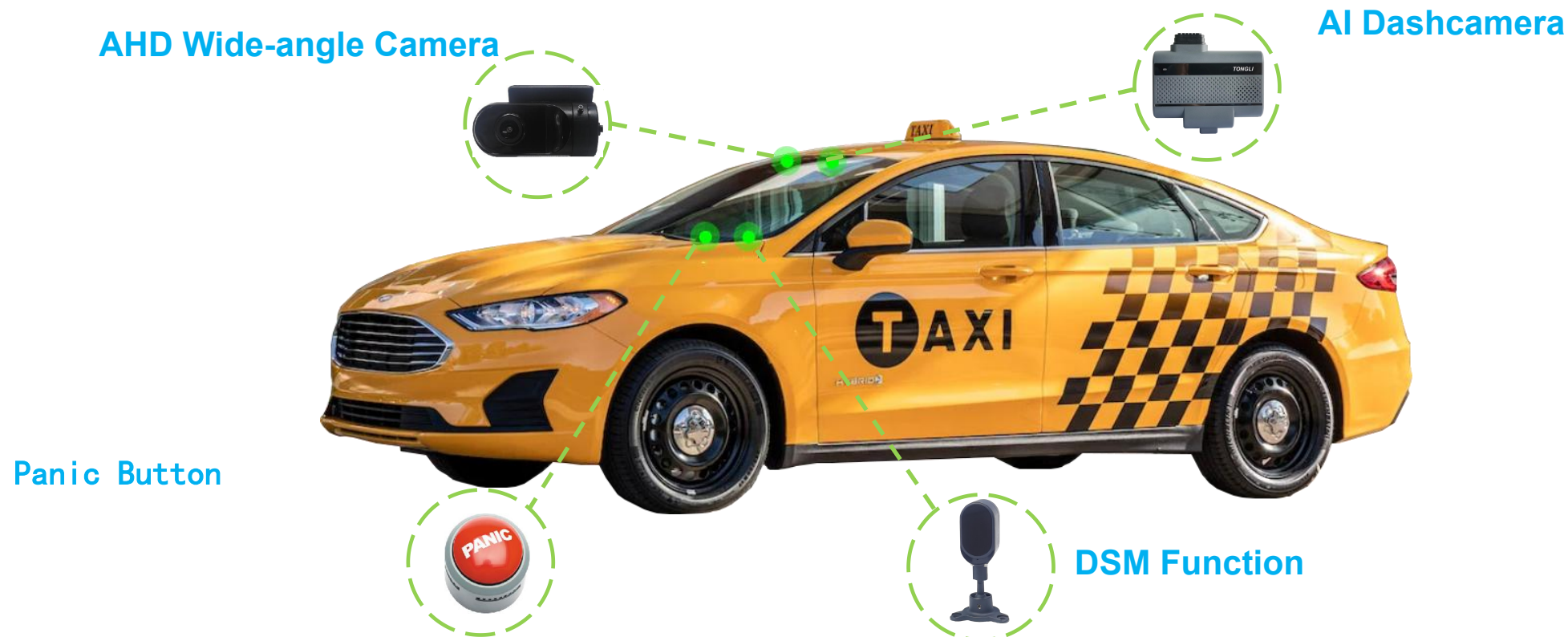
Truck Application

MDVR is installed on trucks to realize vehicle monitoring and management such as accurate vehicle positioning, data storage, fuel consumption monitoring, real-time video dispatching, and so on. Through the intelligent blind zone warning and active safety warning detection function, it effectively reduces vehicle accidents, thus realizing the safe operation and management of urban freight vehicles.



Taxi Application

Dashcamera is a special product designed for online car rental and cab, with built-in GPS/4G/WIFI module, built-in antenna, compact size and easy to install. It comes standard with a front-view HD camera, which can be integrated with ADAS/DSM active safety warning function. Combined with the CMS management platform, it forms a perfect intelligent monitoring and management system for cabs and net cars.



Simba Platform



Position&Trace



Preview&Plackback



Rules



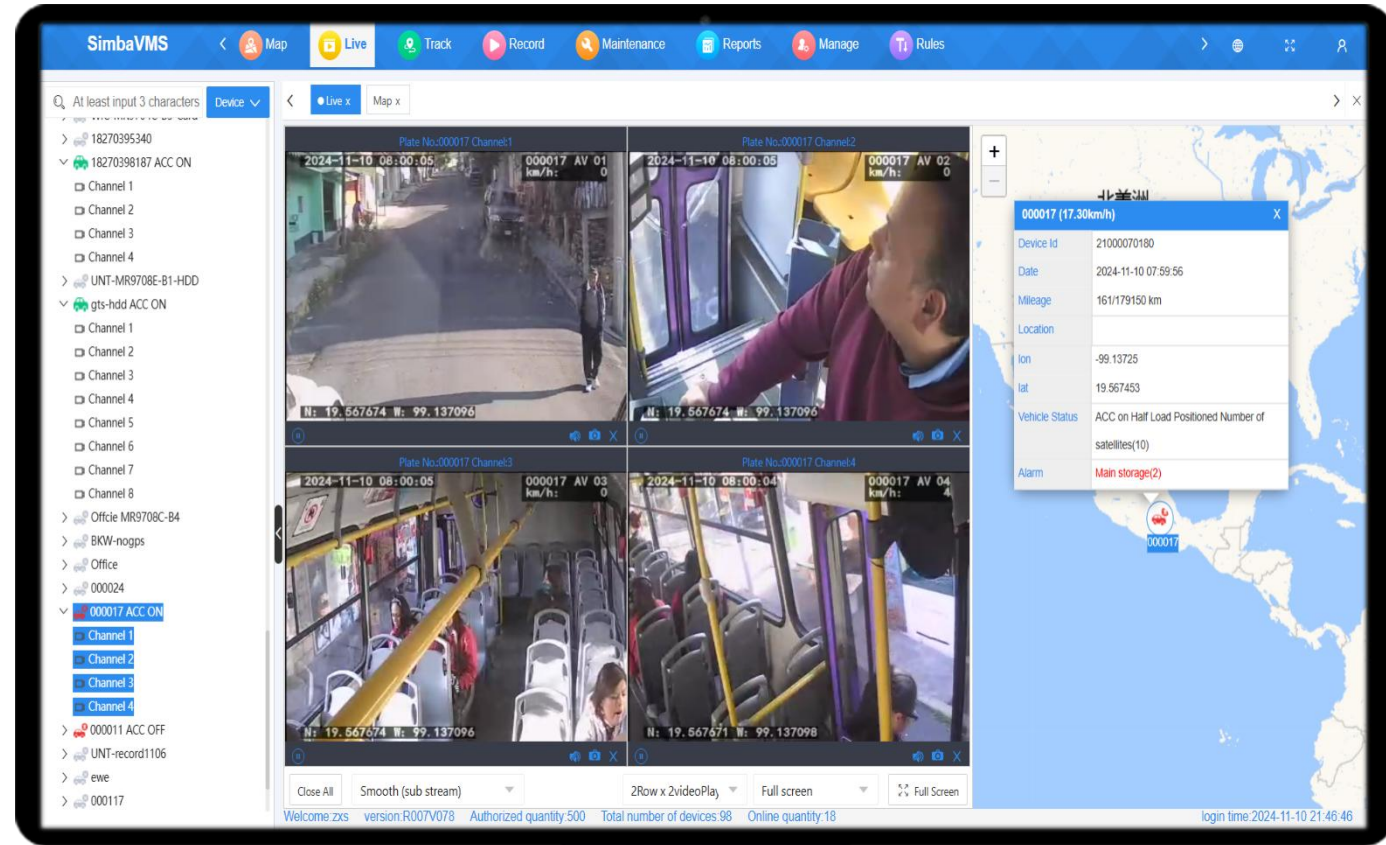
Maintenance



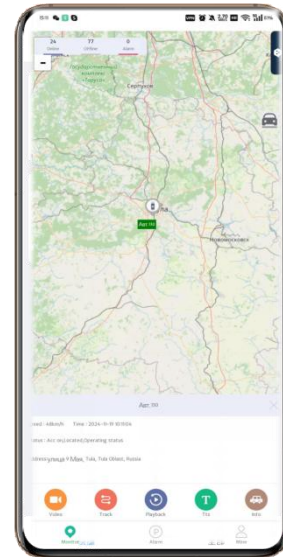
Report



Evidence



Web Side



Andoid/IOS
APP

MDVR Security Solutions

- 8-36V wide voltage
- -40°C-75°C working environment
- Built-in smart power management, and voltage values can be superimposed in the OSD
- Undervoltage protection
- Short circuit protection for power supply, camera, I/O, etc.
- Reverse connection protection
- HDD Lock designed to protect storage media and SIM cards
- Automated testing of each unit's functionality before it leaves the factory



Multi Setting Solutions



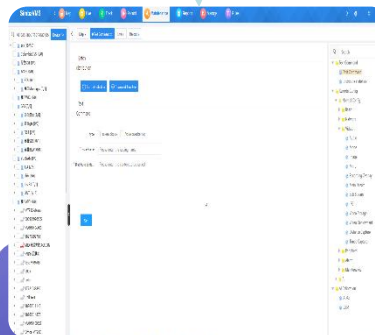
Mouse

Operated by mouse locally, Mouse connection via USB port, the UI is simple and easy to operate. Full mouse operation, USB delayed self-test.



Mobile APP

MDVR can send out hotspot through built-in WIFI or external Simba Maint tool. After the cell phone connects through WIFI, it can set terminal parameters, video preview, playback and download through Simba Maint APP.



Platform

Remote maintenance and management of the equipment can be easily done by sending commands or through the visualization menu of the platform.



SMS

Setting device parameters via SMS commands from a cell phone



Remote control

Supports infrared remote control (not recommended)

Video Storage Solutions

- **Dual stream record**

The same video can be recorded in sub-stream and main-stream on HDD and SD respectively.

- **Support up to 4TB dual HDD**, more storage capacity

- **Support H265**, save storage space

- **FTP video upload**

Video can be automatically uploaded to the designated server via FTP, cloud storage is more secure

- **Extensible disaster recovery**

Protects video from damage in harsh environments



Video Protection Solutions

- **Support video encryption**

The encrypted video can't be opened directly in MDVR local or PC player, it needs a specified password, which improves the security of the video.

- **Power failure protection**

Built-in supercapacitor to avoid video data loss when the device is switched off and abnormal power failure to protect the storage media

- **Alarm video free from overwriting**

Alarm video is saved separately in the storage media file to avoid being overwritten

- **HDD heat function**

In cold areas you can protect the HDD by heating the drive to power-up temperature before allowing the HDD to operate



Customizable Solutions

- **MDVR parameters and functions can be customized**
- **Device labels and boot screen logos can be customized**
- **The platform's logo and login screen can be customized, and rich API interface for secondary development**
- **Customization of new features**

We can evaluate and develop new features according to the client's project requirements



Product Category

PART 03



ENTRY LEVEL MDVR

Basic functionality at a lower price

MR9504EC



- 4ch 720p/1080P
- 1*512G SD
- GPS
- 1*VGA+1*CVBS
- 10-36V DC
- 4*Alarm In

MR9504(D)



- 4ch 720p/1080p
- 1(2)*512G SD
- 4G/GPS/WIFI
- 1*VGA+1*CVBS
- 8-36V DC
- 1*TTL
- 4*Alarm In
- 1*Alarm Out

MR9704C



HOT

- 4ch 720p/1080p
- 1*512G SD + 1*2TB HDD/SSD
- 4G/GPS/WIFI
- 1*VGA+1*CVBS
- 8-36V DC
- 1*TTL
- 4*Alarm In
- 1*Alarm Out

MR9708C



- 8ch 720p/1080p
- 1*512G SD + 1*2TB HDD/SSD
- 4G/GPS/WIFI
- 1*VGA+1*CVBS
- 8-36V DC
- 1*TTL
- 4*Alarm In
- 1*Alarm Out

ENHANCED VERSION MDVR

More powerful performance, full series 1080P/25FPS, up to 20PIN interface, support AHD output, Gsensor, IPC. Some models support WIFI6/5G.



MR9504E(D)

- 5ch 1080p (4ch+1ch IPC)
- 1(2)*512G SD
- 4G/GPS/WIFI
- 1*VGA+1*CVBS
- 8-36V DC
- 1*TTL
- 1*RS232
- 1*RS485
- 1* 1-wire
- 1*CAN
- 7*Alarm In
- 2*Alarm Out
- G-sensor



MR9704E

- 5ch 1080p (4ch+1ch IPC)
- 1*512G SD+1*2TB HDD/SSD
- 4G/5G/GPS/WIFI
- 1*VGA+1*CVBS/AHD
- 8-36V DC
- 1*TTL
- 1*RS232
- 1*RS485
- 1* 1-wire
- 1*CAN
- 7*Alarm In
- 2*Alarm Out
- G-sensor



MR9708E

- 10ch 1080p (8ch+2ch IPC)
- 1*512G SD+1*2TB/4TB HDD/SSD
- 4G/GPS/WIFI
- 1*VGA+1*CVBS
- 8-36V DC
- 1*TTL
- 1*RS232
- 1*RS485
- 1* 1-wire
- 1*CAN
- 7*Alarm In
- 2*Alarm Out
- G-sensor



MR9716E

- 16ch 1080p (16ch+1ch IPC)
- 1*512G SD + 1*4TB HDD/SSD
- 4G/GPS/WIFI (5G & WIFI6 optional)
- 1*VGA+1*CVBS/AHD
- 8-36V DC
- 1*TTL
- 1*RS232
- 1*RS485
- 1*1-wire
- 2*CAN
- 9*Alarm In
- 2*Alarm Out
- G-sensor

AI VERSION MDVR

Built-in AI chip with optional ADAS/DSM/BSD functions for safer driving.



MA9504EC

- 4ch 720p (with ADAS/DSM)
or
4ch 1080P(no ADAS/DSM)
- 1*512G SD
- 4G/GPS
- 4G/GPS
- 1*VGA+1*CVBS
- 10-36V DC
- 1*TTL
- 4* Alarm In
- ADAS/DSM



MA9504E/ED

- 5ch 1080p(4ch+1ch IPC)
- 1/2*512G SD
- 4G/GPS/WIFI
- 1*VGA+1*CVBS
- 8-36V DC
- 1*TTL
- 1*RS232
- 1*RS485
- 1* 1-wire
- 1*CAN
- 7*Alarm In
- 2*Alarm Out
- G-sensor
- ADAS/DSM/BSD



MA9704E

- 5ch 1080p(4ch+1ch IPC)
- 1*512G SD+1*2TB HDD/SSD
- 4G/GPS/WIFI
- 1*VGA+1*CVBS/AHD
- 8-36V DC
- 1*TTL
- 1*RS232
- 1*RS485
- 1* 1-wire
- 1*CAN
- 7*Alarm In
- 2*Alarm Out
- G-sensor
- ADAS/DSM/BSD



MA9708E

- 10ch 1080p(8ch+2ch IPC)
- 1*512G SD+1*2TB/4TB HDD/SSD
- 4G/GPS/WIFI
- 1*VGA+1*CVBS
- 8-36V DC
- 1*TTL
- 1*RS232
- 1*RS485
- 1* 1-wire
- 1*CAN
- 7*Alarm In
- 2*Alarm Out
- G-sensor
- ADAS/DSM/BSD

PRO VERSION MDVR

Strong performance, support 12-channel (4 IPC)1080P video recording, 2T/4T HDD version optional, 5G & WIFI6 optional

MR9708P

- 12ch 1080p (8ch+4ch IPC)
- 1*512G SD + 1 2TB*4TB HDD/SSD
- 4G/GPS/WIFI (5G & WIFI6 optional)
- 1*VGA+1*CVBS
- 8-36V DC
- 1*TTL
- 1*RS232
- 1*RS485
- 1*1-wire
- 2*CAN
- 7*Alarm In
- 2*Alarm Out
- G-sensor



DASHCAM

Lighter and easier to install, with built-in 4G/GPS/WIFI for a wide range of car models. MT95L-A3 and MT95C can be equipped with optional ADAS/DSM.

MT95L



- 2ch 1080p
- 1*512G TF
- 4G GPS WIFI
- Mic & Horns
- 8-36V DC
- 1*Alarm In
- 1*Panic button

MT95L-A3



- 3ch 720P (with ADAS/DSM) or 3ch 1080P (no ADAS/DSM)
- ADAS/DSM function optional
- 1*512G TF
- 4G GPS WIFI
- Mic & Horns
- 8-36V DC
- 1*Alarm In
- 1*Panic button

MT95C



- 4ch 720p (with ADAS/DSM) or 4ch 1080P (no ADAS/DSM)
- ADAS/DSM function optional
- 2*512G TF
- 4G GPS WIFI
- Mic & Horns
- 8-36V DC
- 1*RS232
- 3*Alarm In
- 1*Alarm Out
- 1*Panic button
- G-sensor

WATERPROOF MDVR

Supports IP67 waterproof rating and can be used for forklift trucks. ADAS/DSM/BSD functions are optional and can be extended with 1-channel IPC.

MA9504E/ED-WF

- 5ch 1080p(4ch+1ch IPC)
- 1/2*512G SD
- 4G/GPS/WIFI
- 1*VGA+1*CVBS
- 8-36V DC
- 1*TTL
- 1*RS232
- 1*RS485
- 1* 1-wire
- 1*CAN
- 7* Alarm In
- 2* Alarm Out
- G-sensor
- ADAS/DSM/BSD



CAMERA

720P

1080P



Internal camera, without IR, front view, 2.8mm

HDC-A210

HDC-A220



Internal camera, with IR, 2.8mm

HDC-A010

HDC-A020



Internal camera, with IR, with microphone, 2.8mm

HDC-A110

HDC-A120



External camera, with IR, waterproof, 2.8mm

HDC-C110

HDC-C120



External camera, with IR, waterproof, side view, 2.8mm

HDC-A310

HDC-A320

ACCESSORIES



7inch or 9inch CVBS/VGA Monitor



Simba Maintain tool



Extension cable



AV OUT Splitter/AV
IN Splitter



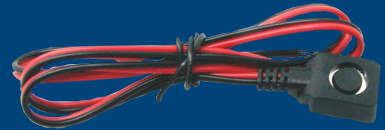
Remote control



Intercom Handle



Rod fuel sensor



Panic Button



Ultrasonic fuel sensor



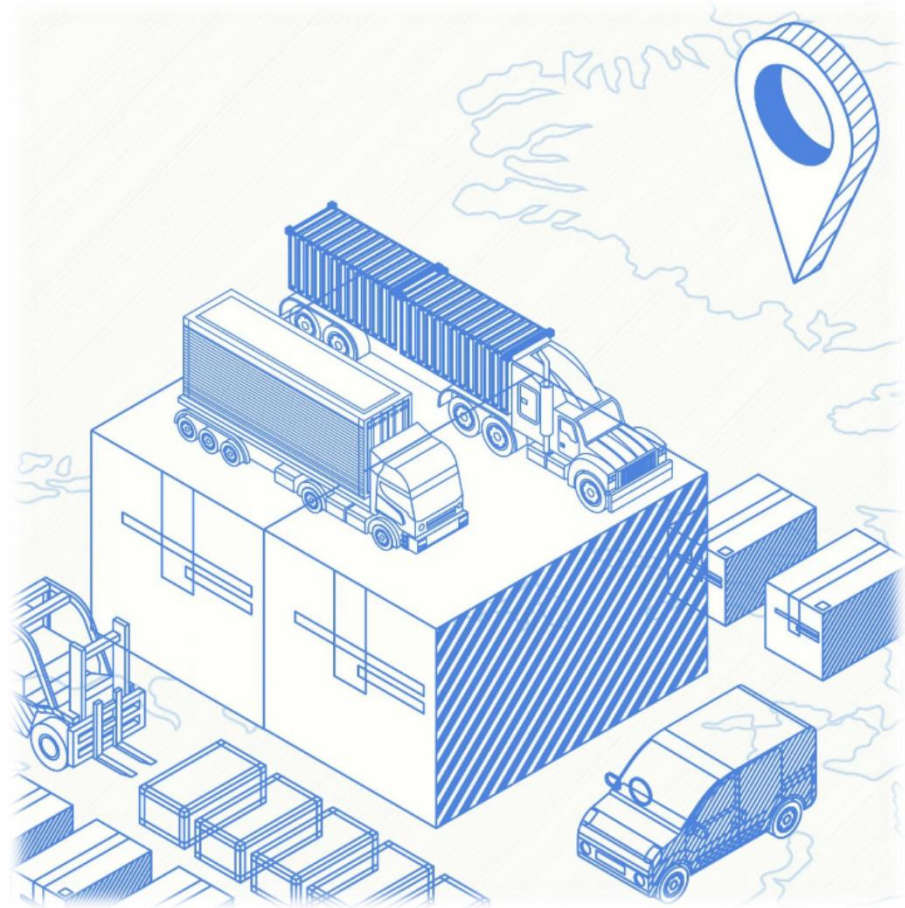
Temper sensor



RFID card reader

Product Features

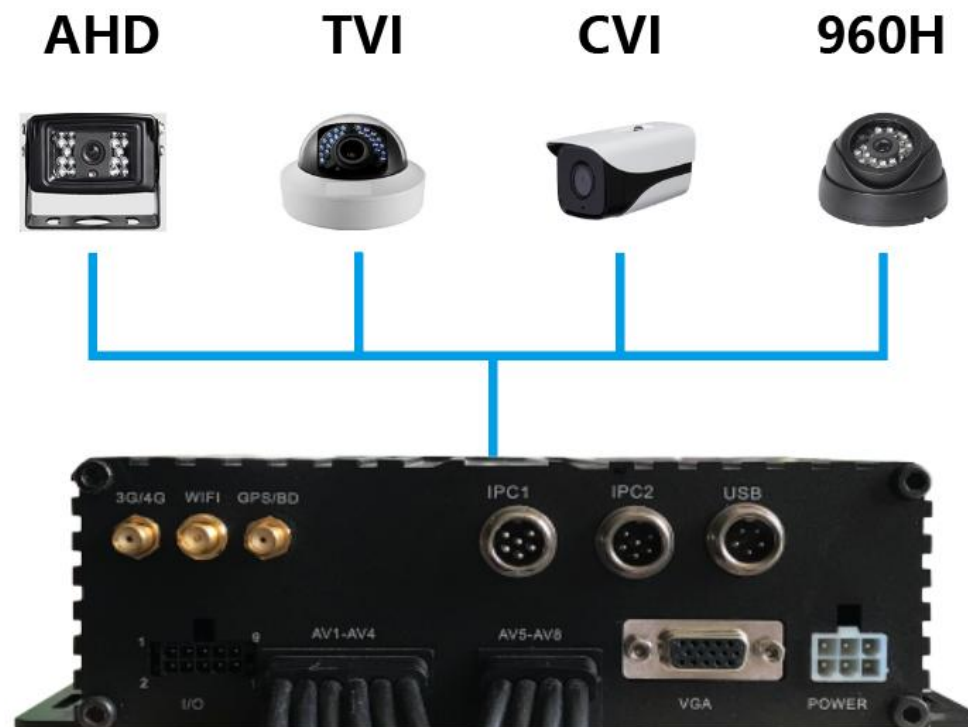
PART 04



Name	Features
Basic Function	4-in-1 Video Input
	Reverse
	Mirror
	G-sensor
	Motion Detect
	2-Way Intercom
	IPC Expandable
AI Function	ADAS
	DSM
	BSD
More Peripherals	Fuel sensor, temperature sensor, door sensor, panic button, tire sensor,PTZ camera and so on

4-IN-1 VIDEO INPUT

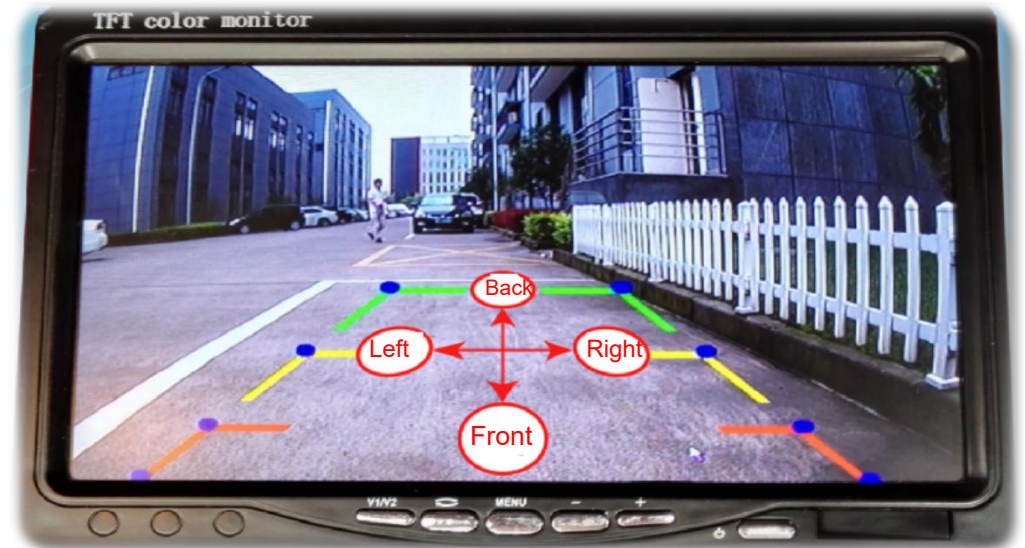
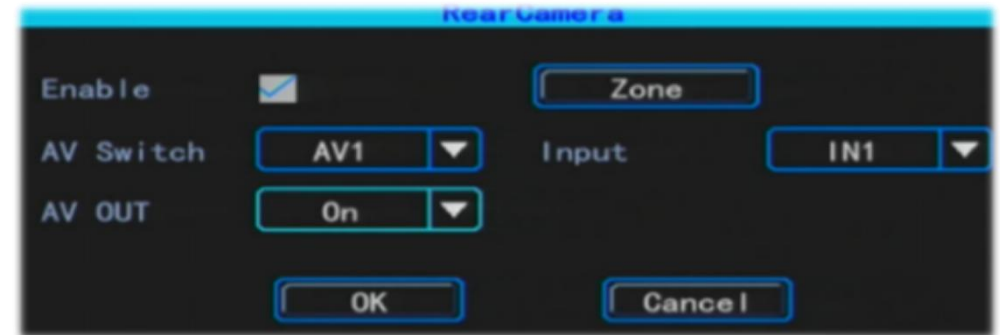
AHD/TVI/CVI/Analog 4-in-1 video input, stronger compatibility, can access the market all kinds of mainstream car camera.



REVERSE CAMERA

Support reverse camera function, user can customize the settings (including channel, trigger switch, screen stay time).

Auxiliary lines can be freely adjusted up, down, left and right



G-SENSOR

- Rapid acceleration alarm
- Rapid Deceleration Alarm
- Rapid Turn Alarm
- Collision Alarm
- Rollover alarm

Built-in G-sensor sensor detects the driver's driving behavior in real time and uploads the alarm information to the platform.



MOTION DETECT

- This function can also be operated when the vehicle's ACC OFF is delayed to protect the vehicle's safety.
- Alarms are uploaded to the platform in real time
- Sensitivity level can be adjusted
- The detection area in the screen can be adjusted



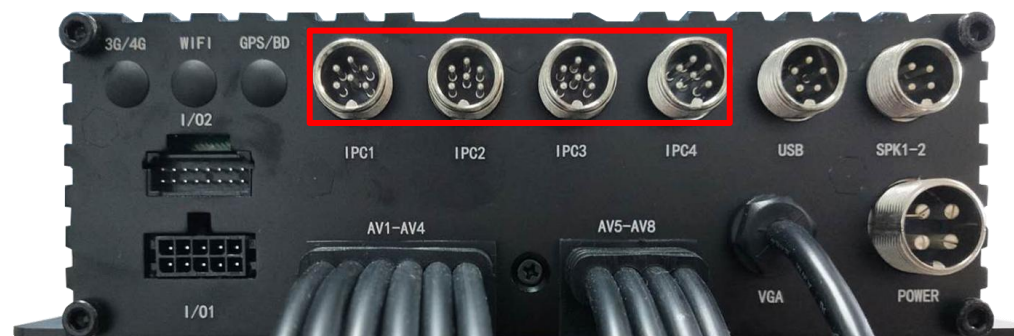
2-WAY INTERCOM

- Fleet manager could start conversation with driver remotely; Simply right click device when it's online
- No GSM fee, save cost
- Intercom anywhere, anytime



IPC EXPANDABLE

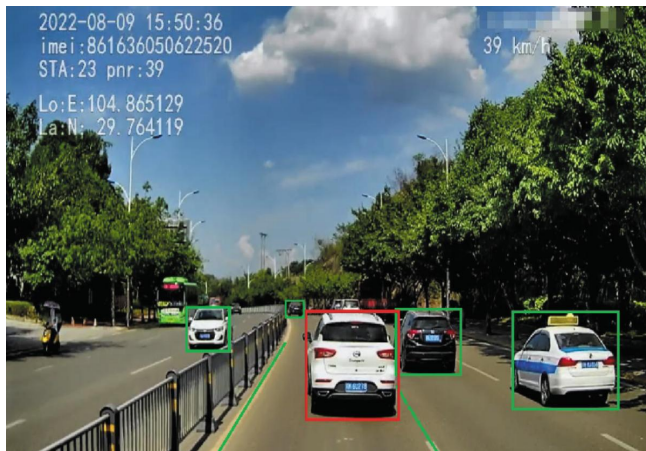
- Through the 6pin network interface on the device, access 1~4 IPC cameras.
- Standard Onvif protocol, compatible with mainstream 1080P IPC cameras on the market, good compatibility.
- Easy to use, automatically adapts after connecting IPC and switching to WAN mode



ADAS(ADVANCED DRIVER ASSISTANCE SYSTEM)

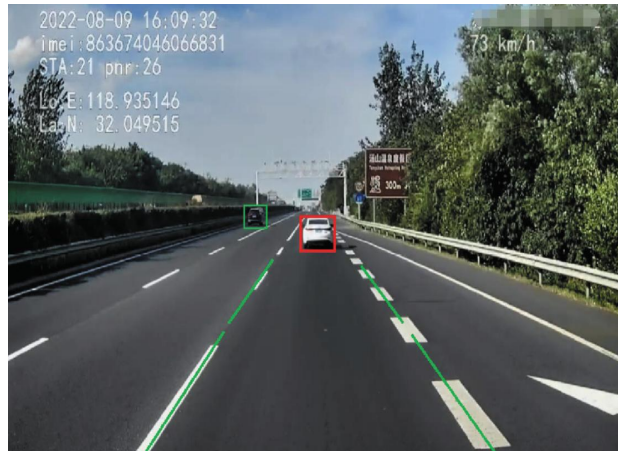
●FCW (Forward collision warning)

Monitor the vehicle in front and trigger an alarm when the distance to the vehicle in front is at risk of collision



●HMW (Headway monitor warning)

Monitor the vehicle in front of you and trigger an alarm when the distance to the vehicle in front is too short



●LDW (Lane departure warning)

Real-time monitoring of the vehicle's position relative to the lane and alerts when the vehicle deviates from the normal direction of travel



DSM(DRIVER STATUS MONITORING SYSTEM)

DSM is able to monitor the driver's driving behavior in real time, realizing the alarm functions such as driver fatigue, distraction, smoking, phone call, infrared blocking, yawning, driver abnormality, and camera blocking, etc.



BSD(BLIND SPOT DETECTION SYSTEM)

With the function of vehicle blind zone protection, it can monitor the pedestrians (people riding motorcycles, electric bicycles, bicycles, backpacks, umbrellas, etc.) within the blind zone in real time when the vehicle is starting or turning, and carry out a timely alarm when it detects a possible collision between the vehicle and the pedestrians.



MORE PERIPHERALS



Panic button



Fuel sensor



Temp sensor



Door sensor



RFID Card Reader



Indicator Panel



Alcohol tester



Passenger Flow Counter



Tire Pressure Sensor



PTZ Camera

Thank You!



SHANGHAI TONGLI

Strive to become a respected and outstanding company in the Vehicle MDVR industry!

