

An aerial photograph of a city skyline at dusk. The Petronas Towers are the most prominent feature on the left, illuminated from within. To their right is a tall, dark skyscraper with 'MEX' and 'ESPLANADE BAY' visible on its facade. In the foreground, the Esplanade - Theatres on the Bay is visible, characterized by its distinctive woven, dome-like structure. The sky is a mix of blue, orange, and grey, with scattered clouds. The water of the bay is visible in the lower-left corner.

JimiIoT

**PRODUCT  
CATALOG**



Shenzhen Jimi IoT is a leading provider of location-based solutions that enable individuals and organizations across a wide range of industries to harness the benefits of connected technologies and add value to their operations. By leveraging our connected devices and proprietary Tracksolid platform, Jimi helps our global fleet and asset partners to protect assets of all sorts, improve driver safety, and maximize efficiency in a variety of ways.

With more than 20 years in the IoT industry, Jimi is an industry leader in the design and production of connected devices that power improvements in connected industries like logistics and shipping, fleet management, car and e-bike rentals and insurance, industrial fabrication, personal security and many more.

We at Jimi are passionate about helping our partners to achieve their goals, and customer service is at the forefront of our mission. Contact us today for more information about any of the solutions contained in this catalog; we look forward to working with you.





**60%+**

Workforce in R&D

**21**

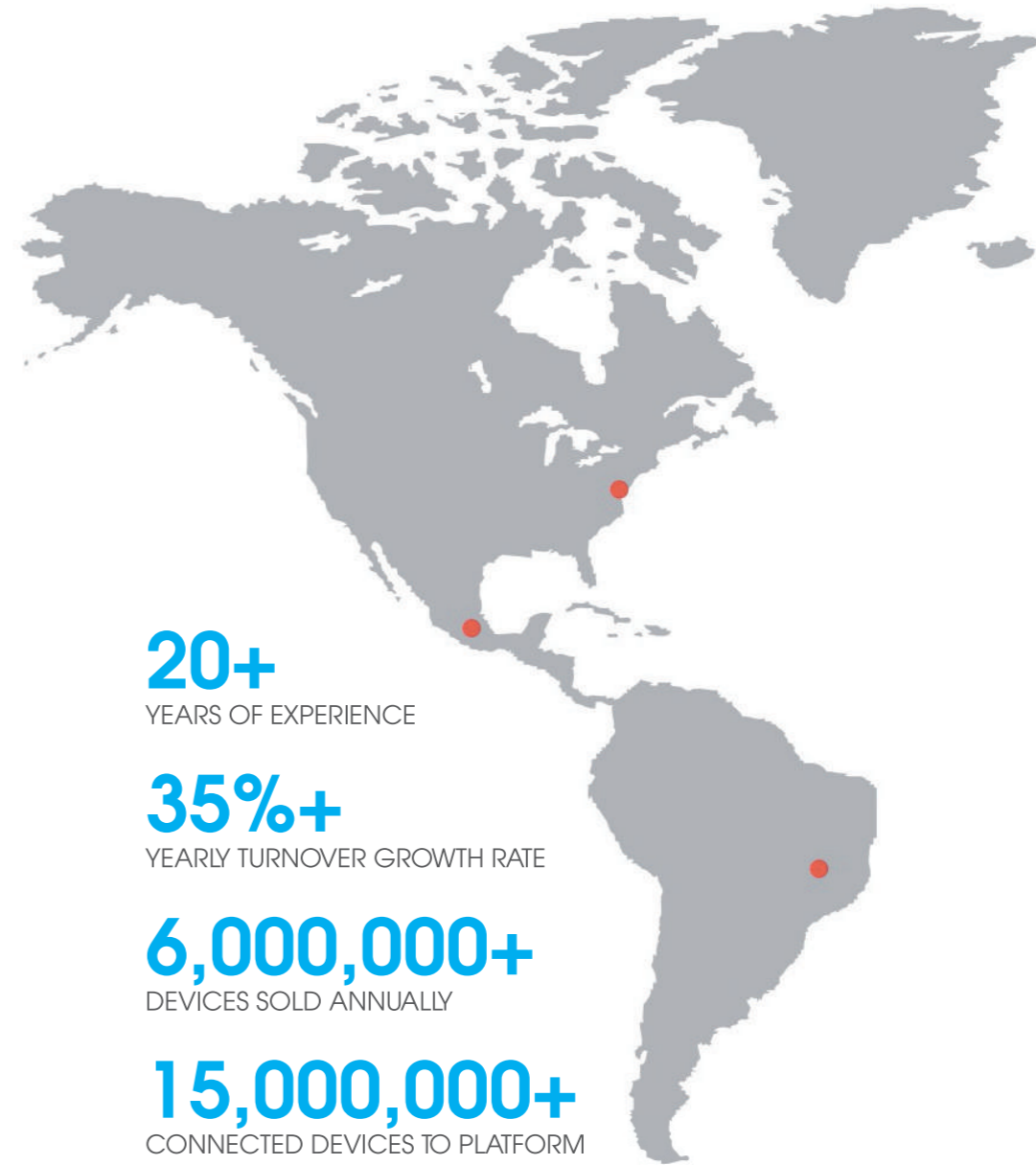
PATENTS FOR INVENTIONS

**55**

UTILITY MODEL PATENTS

**163**

SOFTWARE COPYRIGHTS



**20+**

YEARS OF EXPERIENCE

**35%+**

YEARLY TURNOVER GROWTH RATE

**6,000,000+**

DEVICES SOLD ANNUALLY

**15,000,000+**

CONNECTED DEVICES TO PLATFORM

## Fleet Management

VL01	VL02
VL03	VL04
VL501	VL502
VL802	VL103D
VL103M	VL106
X3	VG01U
GT06N	Wetrack2
VG03	Wetrack Lite
VG502	VL101G
VG02U	VL512

## Asset Management

LL01
LL02
LL301
LL302
LL303
LL701
LL702
AT4
LG300

## Personal Care

PG201	Qbit M
-------	--------

## Shared Mobility

BL11	BL10
------	------

## Video Telematics

JC120	JC450
JC400	JC400P
JC261	JC261P



## Fleet Management

### VERSATILE

Various modes for managing fleets.

### ACCURATE

Real-time location and status info.

### DETAILED

Monitor speed, fuel data, temperature, and more.

# JM-VL01

## LTE Cat 4 Vehicle GNSS Tracker

Improve the performance of your fleet business today with the feature rich and lightning fast JM-VL01. The JM-VL01 is a powerful and easy to install 4G GPS tracker that gives you actionable telematics insights. In addition to standard functions such as GPS location and geo-fence alerts, the suite of event-triggered alerts will make the VL01 a valuable part of your fleet management strategy.

Product page



### LTE, UMTS & GSM Network

The device can receive and transmit data in the coverage of 4G, 3G, and 2G networks.



### Ignition Detection

Constantly detect the ACC/ignition status of the vehicle.



### RS485 Fuel Sensor (Optional)

Quickly get notified when fuel level is harshly changing.



### Panic Button

Contact dispatch or emergency support with a discreet, in-cabin SOS button.



CE, FCC, PTCRB certified



### Driving Behavior Analysis (Basic)

Receive alerts when any of 4 kinds of dangerous driving behavior is detected.



### Remote Cut-Off (Fuel/Power)

Immobilize a vehicle by cutting off its power source/fuel supply via an installed relay.



### RS485 Temperature Sensor (Optional)

Prevent rot and damage caused by excessive temperature.



### Multiple Alerts

Instant alerts for atypical events such as geo-fence entry/exit, abnormal vibration, speeding, power supply disconnection, etc.

Product page



# JM-VL02

## LTE Cat M1 & NB2 Fleet Tracker

The JM-VL02 is designed to handle industrial and commercial fleet applications ranging from rental agencies and public transportation to construction equipment and beyond. With ACC detection, SOS button, remote fuel/power cutoff, and various other I/Os for peripherals, this powerful device can be customized to streamline your operations and boost efficiency. Built with a cutting-edge communications module leveraging the Cat-M1/NB-IoT networks with GSM fallback, the VL02 will be helping to maximize your fleet operations for years to come.



### LTE Cat M1/NB2 & GSM

Communications over IoT-specific LTE networks, with reliable 2G GSM fallback.



### Ignition Detection

Constantly detect the ACC/ignition status of the vehicle.



### Door Status Detection

Useful insight into the status of a fleet vehicle; be alerted if a door is unexpectedly opened.



### RFID Reader (Optional)

Identify drivers when they start vehicles, and collect and upload the drivers' identification.



### Remote Cut-Off (Fuel/Power)

Immobilize a vehicle by cutting off its power source/fuel supply via an installed relay.



### Panic Button

Contact dispatch or emergency support with a discreet, in-cabin SOS button.



### Fuel/Temperature Sensor (Optional)

Optional peripherals to monitor fuel level or temperature add visibility to your operations and help save money.



### Multiple Alerts

Instant alerts for atypical events such as impounding, geo-fence entry/exit, abnormal vibration, speeding, etc.



CE, FCC, PTCRB, AT&T, T-Mobile, Verizon, TELEC certified

# JM-VL03

## LTE Cat 1 Vehicle Tracker

The JM-VL03 is a discreetly-installed 4G LTE GPS tracker designed for the management of vehicles of all types. The wide, 9-90V input voltage range is compatible with almost all vehicles, and the features of this device will prove valuable in managing mobile assets of all sorts. LTE communication with GSM (2G) fallback ensures a solid connection in almost all cases, and the advanced GPS antenna provides strong signal acquisition and more accurate positioning capability. In addition to these features, Driver Behavior Analysis (DBA) and the suite of event-triggered alerts will make the VL-03 a valuable part of your fleet management strategy.



### LTE & GSM Network

Communication via 4G LTE networks with 2G GSM fallback.



### Driving Behavior Analysis (Basic)

Receive alerts when any of 4 kinds of dangerous driving behavior is detected.



### Ignition Detection

Constantly detect the ACC/ignition status of the vehicle.



CE, FCC certified

Product page



### 9-90V Operating Voltage

Wide operating voltage range is suitable for a huge variety of vehicles, including industrial equipment, scooters, golf carts, and more.



### Remote Cut-Off (Fuel/Power)

Immobilize a vehicle by cutting off its power source/fuel supply via an installed relay.



### Multiple Alerts

Instant alerts for atypical events such as device removal, impounding, geo-fence entry/exit, abnormal vibration, speeding, etc.

# JM-VL04

## LTE OBDII GNSS Tracker

The JM-VL04 is a professional 4G OBD vehicle tracker you can easily install. With its advanced accelerometer, gyroscope, and special algorithm, JM-VL04 can detect improper driving behaviors, precisely calculate mileages, and prevent the dark spots occur in the area with poor GNSS signal. By leveraging different 4G communication modules, it covers almost all global LTE frequency bands. A revolutionary update is the voice alarm, which can remind drivers to behave correctly when their bad driving activities have been detected. Moreover, it also supports the embedded microphone for remote listen-in.



### INS-aided GPS Tracking

Ensure constant tracking in the area with poor GPS signal or even without it.



### Driving Behavior Analysis (Advanced)

Receive alerts when any of 8 kinds of dangerous driving behavior is detected.



### Voice Alarm

In risky circumstances, internal speaker will sound human voice to remind drivers to drive carefully.



### 9-36V Operating Voltage

Compatible with a wide range of input voltage, able to work on diverse vehicles.



### 4G LTE Communication

The device can receive and transmit data in the coverage of 4G, 3G and 2G networks.



### Mileage Accuracy $\geq 98\%$

Precise mileage calculation based on a unique algorithm, the mileage error can be less than 2%.



### Remote Listen-In

Inconspicuous mic allows for remote audio monitoring of the environment around the device.



### BLE4.0 Supported

Through Bluetooth connection you can configure parameters, upgrade software, and debug.



CE, FCC certified

Product page



# VL501

## LTE Vehicle Terminal

The VL501 is a plug-and-play tracker with GNSS, LTE, and Bluetooth connectivity. With a cigar lighter power connector, it is easy to install on virtually any vehicle. It is an ideal choice for individuals as well as fleet managers who would like to track their vehicles in applications such as courier delivery, car rental and leasing, insurance telematics (UBI), and much more. The considerate design of the USB-A and Type-C ports make the charge of other devices like cellphone much more convenient; while the OTA makes firmware upgrade easier.

Product page



### Plug and Play

Easy to install via the cigarette lighter power connector.



### Remote Listen-in (NA only)

Inconspicuous mic allows for remote audio monitoring of the environment around the device.



### Panic Button

Contact dispatch or emergency support with a discreet, in-cabin SOS button.



### Driving Behavior Analysis (Basic)

Receive alerts when any of 4 kinds of dangerous driving behavior is detected.



### Fast Charging Design

Fast charge other devices via the USB or Type-C port using advanced technologies or protocols.



### Multiple Alerts

Alert drivers on the very first position fix, speeding, driver fatigue, or entering or leaving a geofence via a buzzer.

# VL502

## LTE OBDII GNSS Tracker

The VL502 is a new generation of 4G Cat 1 OBD II tracker for corporate cars, usage-based insurance, fleet management, and individual cars, which can obtain vehicle data such as VIN code, engine speed, water temperature, accumulated mileage, etc. With the UBI-based algorithm for driving behavior analysis, the VL502 can accurately analyze any of 4 kinds of dangerous driving behavior and support the all-round monitoring of vehicles' real-time status.

Product page



### LTE & GSM Network

Communication via 4G LTE networks with 2G GSM fallback.



### GPS & BDS Positioning

Two complementary positioning systems ensure the locations to be accurately displayed on cloud platform.



### Multiple Alerts

Instant alerts for atypical events such as car fault, overspeed, ignition detection, collision, geo-fence entry/exit, etc.



### On Board Diagnostics

Obtain real data of vehicle (accurate mileage, fault code, ACC status, fuel consumption statistics, battery voltage, engine speed, etc.)



### Driving Behavior Analysis

Get instant alerts for 4 or 8 kinds of dangerous driving behavior, depending on your needs.



### Effortless Installation

Simply plug this device into the OBDII socket, you don't have to turn to professionals.



RoHS certified



# VL802

## LTE Vehicle Terminal

The VL802 is an advanced 4G GPS tracker designed for the management of industrial and commercial fleets ranging from passenger cars and trucks to buses and beyond. This device's two-way communication can help fleet managers improve their driver management strategies. LTE communication with GSM (2G) fallback ensures a solid connection in almost all cases, and the suite of event-triggered alerts helps fleet managers monitor the status of their fleet in real-time. With RS485 interface and various other I/Os for peripherals, this powerful device can be customized to streamline your operations and boost efficiency.



### LTE & GSM Network

Communication via 4G LTE networks with 2G GSM fallback.



### Remote Listen-in

Inconspicuous mic allows for remote audio monitoring of the environment around the device.



### Ignition Detection

Constantly detect the ACC/ignition status of the vehicle.



### Bluetooth Configuration

Fast and simple device configuration via app for iOS and Android.



Product page



### Two-way Communication

Hands-free communication with your employee instead of using the phone.



### Panic Button

Contact dispatch or emergency support with a discreet, in-cabin SOS button.



### Remote Cut-Off (Fuel/Power)

Immobilize a vehicle by cutting off its power source/fuel supply via an installed relay.



### Multiple Alerts

Instant alerts for atypical events such as impounding, geo-fence entry/exit, abnormal vibration, speeding, etc.

# VL103D

## LTE GNSS Terminal

Compact size with great power, the VL103D is a discreetly-installed, fully-featured tracker with LTE, GNSS, RS485 interface and the IP66 waterproof rating. LTE communication with GSM (2G) fallback ensures a solid connection in almost all cases, and the wide 9-90V input voltage range is compatible with virtually any vehicle. It is a perfect tracker for a wide range of use cases – stolen vehicle recovery and the management of motorcycles, passenger cars, and light commercial vehicles.

Product page



### LTE & GSM Network

Communication via 4G LTE networks with 2G GSM fallback.



### Car Battery Protection

Automatically stop drawing power from the car battery when it drops near the threshold.



### RS485 Interface

RS485 interface extends more device usage scenarios.



### Configurable Input/Output

Set to alarm button status monitoring by default, also configurable as an extra digital output.



### IP66 Dust & Water Resistance

Rugged design ensures continued optimal performance, even in the toughest conditions.



### Driving Behavior Analysis (Basic)

Receive alerts when any of 4 kinds of dangerous driving behavior is detected.



# VL103M

Product page



## 4G Multifunctional Vehicle Tracker

Compact in size, yet packed with various features, the VL103M is a powerful GPS tracker designed to handle industrial and commercial fleet applications ranging from rental agencies and public transportation to freight transport and beyond. The device also features an external buzzer/horn alarm that makes it easy to locate your car in case you can't find it, further adding to the security of your fleet. In addition to these features, remote listen-in and the suite of event-triggered alerts will make the VL103M a valuable part of your fleet management strategy.



### GPS & BDS & LBS Positioning

A synergy of multiple positioning systems ensures that locations are accurately displayed on the cloud platform.



### Low Voltage Alert

You'll be alerted via SMS when the motorcycle battery voltage is lower than the threshold.



### Remote Listen-In

Inconspicuous mic allows for remote audio monitoring of the environment around the device.



### External Buzzer/Horn Supported

Warn the driver once the tracker detects speeding or fatigue driving, and it also supports audible/light warnings to search for vehicles.



### Multiple Alerts

Instant alerts for atypical events such as abnormal vibration, speeding, geo-fence entry/exit, etc.



### IP66 Dust & Water Resistance

Rugged design ensures continued optimal performance, even in the toughest conditions.

Product page



# VL106

## INS-aided LTE Vehicle Tracker

Built with an inertial navigation system, the VL106 is an advanced vehicle tracker capable of providing strong signal acquisition and accurate positioning capability even when the vehicle is in a tunnel, underground parking lot, or other locations without satellite signals. With ACC detection, remote fuel/power cut-off and an SOS button, this powerful device can be customized to streamline your operations and boost efficiency. And the VL106 is equipped with a 3-axis accelerometer and a 3-axis gyroscope, allowing it to detect 8 types of dangerous driving behavior.



### GPS/BDS/GLONASS/Galileo Positioning

A synergy of multiple positioning systems ensures that locations are accurately displayed on the cloud platform.



### Driving Behavior Analysis (Advanced)

Receive alerts when any of 8 kinds of dangerous driving behavior is detected.



### Multiple Alerts

Instant alerts for atypical events such as collision, speeding, power supply disconnection, geo-fence entry/exit, etc.



### Panic Button

Contact dispatch or emergency support with a discreet, in-cabin SOS button.



### INS-aided GPS Tracking

Ensure constant tracking in the area with poor GPS signal or even without it.



### Collision Detection

Automatically upload 20Hz IMU data for 10 seconds before and after the collision, as well as the event alarm.



### Remote Cut-Off (Fuel/Power)

Immobilize a vehicle by cutting off its power source/fuel supply via an installed relay.



### Ignition Detection

Constantly detect the ACC/ignition status of the vehicle.



# X3

## Vehicle GPS Tracker

The X3, a multifunctional GPS tracker, is optimized for vehicle tracking. It provides accurate real-time location, two-way communication and driving behavior reports. The X3 also features a G-sensor, a door-sensor, and includes I/O ports to support multiple external types of equipment for various applications. X3 is an excellent GPS tracking device for fleet management and security monitoring deployment.

Product page



### RS232 & TTL Interface

Support the accessories supporting RS232 and TTL interface.



### Remote Cut-Off (Fuel/Power)

Immobilize a vehicle by cutting off its power source/fuel supply via an installed relay.



### Driving Behavior Analysis (Basic)

Receive alerts when any of 4 kinds of dangerous driving behavior is detected.



### Panic Button

Contact dispatch or emergency support with a discreet, in-cabin SOS button.



CE, FCC certified



### External Mic

Extended microphone cable makes it easier to put microphone inside cab.



### Over-speed Buzzer

Sound buzz to remind driver to lower speed.



### Door Status Detection

Useful insight into the status of a fleet vehicle; be alerted if a door is unexpectedly opened.



### Low Voltage Alert

You'll be alerted when the external power voltage is lower than the threshold.

# JM-VG01U

## INS-aided Vehicle GNSS Tracker

The JM-VG01U is an advanced vehicle tracking device with great analytical capacity. With a 3-axis accelerometer and 3-axis gyroscope, it can detect 8 types of improper driving behaviors. Automatic computing based on an algorithm ensures the vehicle location even in non-GPS area. Its flexible and improved alert system increases safety and security while effectively reducing false alerts ratio.

Product page



### INS-aided GPS Tracking

Ensure constant tracking in the area with poor GPS signal or even without it.



### Mileage Accuracy $\geq 98\%$

Precise mileage calculation based on a unique algorithm, the mileage error can be less than 2%.



### Ignition Detection

Constantly detect the ACC/ignition status of the vehicle.



### Remote Cut-Off (Fuel/Power)

Immobilize a vehicle by cutting off its power source/fuel supply via an installed relay.



CE, FCC certified



### Driving Behavior Analysis (Advanced)

Receive alerts when any of 8 kinds of dangerous driving behavior is detected.



### 6-axis Accelerometer & Gyroscope

Sensitive detection of linear acceleration and angular velocity.



### Panic Button

Contact dispatch or emergency support with a discreet, in-cabin SOS button.



### IP65 Dust & Water Resistance

Rugged design ensures continued optimal performance, even in the toughest conditions.

# GT06N

## Vehicle GNSS Tracker

The GT06N GPS vehicle tracker is trusted by customers around the world for its rich feature set and durability. From standard tracker telematics like GPS tracking and ACC status to more advanced functions like an SOS button and audio monitoring, the GT06N has them all.

Product page



### Remote Cut-Off (Fuel/Power)

Immobilize a vehicle by cutting off its power source/fuel supply via an installed relay.



### Panic Button

Contact dispatch or emergency support with a discreet, in-cabin SOS button.



### Ignition Detection

Constantly detect the ACC/ignition status of the vehicle.



CE certified



### Additional Tx/Rx Interface

Connect to other accessories that support same protocol for forming better performance.



### External Mic for Audio Monitoring

Extended microphone cable makes it easier to put microphone inside cab.



### Multiple Alerts

Instant alerts for atypical events such as abnormal vibration, low battery, power-off, speeding, etc.

# Wetrack2

## Vehicle GNSS Tracker

The Wetrack2 is manufactured to meet the needs of e-bikes, e-scooters, and motorcycles. It is equipped with a highly reliable electric circuit design and complies with electronics industry standards. Providing functions such as remote fuel cutoff, geo-fence function, and over-speed warning, the Wetrack2 provides crucial visibility into the status of the vehicle and the behavior of its driver.

Product page



### Remote Cut-Off (Fuel/Power)

Immobilize a vehicle by cutting off its power source/fuel supply via an installed relay.



### Ignition Detection

Constantly detect the ACC/ignition status of the vehicle.



### IP65 Dust and Water Resistance

Rugged design ensures continued optimal performance, even in the toughest conditions.



CE, FCC, RoHS certified



### 9-90V Operating Voltage

Wide operating voltage range is suitable for a huge variety of vehicles, including industrial equipment, scooters, golf carts, and more.



### Vehicle Battery Protection

Optimized battery protection prevents vehicle battery from draining out or damage.



### Multiple Alerts

Instant alerts for atypical events such as over-speed, geo-fence entry/exit, power supply disconnection, etc.

# JM-VG03

## Mini Vehicle GNSS Tracker

Supporting 9-90V voltage range, JM-VG03 series works suitably with a wide range of vehicles. Thanks to its inbuilt large antenna and compact size, it delivers faster and more accurate positions and can be hidden-installed. In addition to its general features, alerts of power supply disconnection and tamper are pluses for anti-theft.

Product page



**Driving Behavior Analysis (Basic)**  
Receive alerts when any of 4 kinds of dangerous driving behavior is detected.

**Remote Cut-Off (Fuel/Power)**  
Immobilize a vehicle by cutting off its power source/fuel supply via an installed relay.

**Geo-Fence**  
A virtual area set on platform by yourself, you'll be informed when vehicle crossing its boundary.



CE certified

**IP65 Dust & Water Resistance**  
Rugged design ensures continued optimal performance, even in the toughest conditions.

**Ignition Detection**  
Constantly detect the ACC/ignition status of the vehicle.

**Multiple Alerts**  
Instant alerts for atypical events such as low battery, speeding, removal, drifting, etc.

# Wetrack Lite

## Mini Vehicle GNSS Tracker

Perfect for car rental, fleet management and logistics, the best-in-class Wetrack Lite mini vehicle GPS tracker is a feather-light, multi-function tracker. Featuring improved accuracy, it is designed specifically to make locating and routing vehicles as simple as possible. The WeTrack Lite's hidden LED makes the device invisible; drivers won't know it's there unless you tell them.

Product page



**9-90V Operating Voltage**  
Wide operating voltage range is suitable for a huge variety of vehicles, including industrial equipment, scooters, golf carts, and more.

**Ignition Detection**  
Constantly detect the ACC/ignition status of the vehicle.

**Compact Size**  
Ideal for the installation in a small space to maximize unnoticeability.



CE, FCC, RoHS certified

**Vehicle Battery Protection**  
Optimized battery protection prevents vehicle battery from draining out or damage.

**IP65 Water Resistance**  
Rugged design ensures continued optimal performance, even in the toughest conditions.

**Multiple Alerts**  
Instant alerts for atypical events such as impounding, geo-fence entry/exit, abnormal vibration, speeding, etc.

# VG502

## 2G OBDII GNSS Tracker

The VG502 is an easy-to-install OBDII GPS tracker designed for company/official cars, private cars, and usage-based insurance. Featuring the driving behavior analysis (DBA) leveraging the UBI-based algorithm, this device can accurately analyze any of 4 kinds of dangerous driving behavior and support the all-around monitoring of vehicles' real-time status. With on-board diagnostics, multiple positioning systems, bluetooth connectivity, and the suite of event-triggered alerts, the VG502 is an ideal solution for both fleet management and private use.



### On Board Diagnostics

Obtain accurate data on vehicles (mileage, fault code, ACC status, fuel consumption, battery voltage, engine speed, etc.)



### Driving Behavior Analysis

Get instant alerts for 4 or 8 kinds of dangerous driving behavior, depending on your needs.



### Effortless Installation

Simply plug this device into the OBDII socket, you don't have to turn to professionals.



### GPS & BDS Positioning

Two complementary positioning systems ensure that locations are accurately displayed on the cloud platform.



### Multiple Alerts

Instant alerts for atypical events such as car fault, collision, speeding, device pull-out, geo-fence entry/exit, etc.



### BLE4.0 Supported

Configure parameters, upgrade software, and debug through Bluetooth connection.

Product page



# VL101G

## GNSS Vehicle Terminal

The VL101G is a 4G vehicle tracker with GNSS positioning technology and dual-frequency GPS, ideal for a wide range of deployments where real-time location and accurate positioning are key. LTE communication with GSM (2G) fallback ensures a solid connection in almost all cases, and the inertial navigation system (INS) provides accurate information about your car's movements even in areas with weak GPS signals. Moreover, driving behavior analysis, ignition detection and remote engine cut-off will make the VL101G a valuable part of your fleet management strategy.



### GPS/BDS/GLONASS/Galileo Positioning

A synergy of multiple positioning systems ensures that locations are accurately displayed on the cloud platform.



### INS-aided GPS Tracking

Ensure constant tracking in the area with poor GPS signal or even without it.



### Driving Behavior Analysis

Receive alerts when any of 4 kinds of dangerous driving behavior is detected.



### Accurate Positioning

Get accurate information about your car's movements even in areas with weak GPS signals.



L1+L5

### Dual-Frequency GPS

More stable connection, more accurate position, and higher resistance to interference.



IP65

### IP66 Dust & Water Resistance

Waterproof case makes it easy to deploy on roof panels, providing better signal acquisition and continued optimal performance no matter the weather.



### Remote Cut-Off (Fuel/Power)

Immobilize a vehicle by cutting off its power source/fuel supply via an installed relay.



### TTL Interface

Able to connect with different accessories for feature expansions.

Product page



# JM-VG02U

Product page



## INS-aided OBDII GNSS Tracker

The JM-VG02U is an OBD II tracker that can be installed effortlessly. With the built-in 3-axis accelerometer, 3-axis gyroscope and a practical algorithm, it can detect 8 types of improper driving behaviors and prevent dark spots, even in areas with poor GPS signal. Its improved system of alerts increases the safety of both the drivers and the vehicle, while at the same time reducing false alerts.



### INS-aided GPS Tracking

Ensure constant tracking in the area with poor GPS signal or even without it.



### Mileage Accuracy $\geq 98\%$

Precise mileage calculation based on a unique algorithm, the mileage error can be less than 2%.



### 9-36V Operating Voltage

Compatible with a wide range of input voltage, able to work on diverse vehicles.



### Fatigue Driving Alert

Get alerted of the situation that a driver has continuously driven over a long time period.



CE, FCC certified



### Driving Behavior Analysis (Advanced)

Receive alerts when any of 8 kinds of dangerous driving behavior is detected.



### 6-axis Accelerometer & Gyroscope

Sensitive detection of linear acceleration and angular velocity.



### Effortless Installation

Simply plug this device into OBD II socket, you don't have to turn to professionals.



### Multiple Alerts

Instant alerts for atypical events such as low battery, speeding, abnormal vibration, etc.

Product page



# VL512

## LTE Plug-in GNSS Tracker

The VL512 is a 4G OBDII tracker designed specifically for use in vehicles. Featuring a compact size body and OBD port, this device is easy to install on virtually any passenger car and ideal for fleet management. LTE communication with GSM (2G) fallback ensures a solid connection in almost all cases, and the GPS+BDS positioning system provides more accurate positioning capability, helping you stay informed about the location or condition of your fleet, telling you exactly where any of your vehicle has been, where it's heading and how fast it's traveling.



### LTE & GSM Network

Communication via 4G LTE networks with 2G GSM fallback.



### Effortless Installation

Simply plug this device into OBD II socket, you don't have to turn to professionals.



### GPS & BDS Positioning

Two complementary positioning systems ensure the locations to be accurately displayed on cloud platform.



### Driving Behavior Analysis (Basic)

Receive alerts when any of 4 kinds of dangerous driving behavior is detected.



### Remote Listen-in

Inconspicuous mic allows for remote monitoring and recording of ambient sounds around the device.



### Multiple Alerts

Instant alerts for atypical events such as vehicle movement, speeding, geo-fence entry/exit, etc.





# Asset Management

## SECURE

Real-time monitoring of assets.

## VERSATILE

Different modes and models for different geographical areas.

## SIMPLE

Quick and easy installation.



# JM-LL01

Product page



## LTE Cat M1 & NB2 Asset GNSS Tracker

The JM-LL01 is a Cat M1/NB-IoT asset tracker with ultra-long standby time. Depending on reporting frequency, its low consumption internal battery can provide up to 3 years of working time on a single charge. The JM-LL01's strong magnetic mount allows for effortless installation onto almost any metal surface, and a light sensor will be triggered and an alert sent once detachment occurs, helping users to feel totally assured that their assets are under constant protection.



# JM-LL02

Product page



## Cat M1/NB2 Versatile Asset GNSS Tracker

The JM-LL02 is a 4G asset tracker designed for rugged applications. Featuring a large 6,000 mAh battery and a strong magnetic mount, this device is perfect for a wide range of deployments where long standby time and simple installation are key. A light sensor can alert when the device is removed, further adding to the security and peace-of-mind offered by the LL02. For greater convenience, this device can also be directly configured via Bluetooth, eliminating the need for wired or platform-based configuration.



# LL301

## LTE Cat 1 Asset GNSS Tracker

The LL301 is a 4G Cat 1 Asset GNSS Tracker that allows for ultra-long standby time via 10,000mAh large-capacity battery and durable housing. Featuring the multiple positioning systems and indoor & outdoor signal coverage, the device also supports instant alerts of atypical events like device removal, vibration, etc. We also offer the users remote monitoring of the target through our cloud platform and mobile APP, which is suitable for such application scenarios as vehicle rental, fleet management, logistics transportation, etc.

Product page



# LL302

## LTE Cat 1 Asset GNSS Tracker

Designed for vehicle & asset tracking, LL302 is a 4G Wireless Asset GNSS Tracker that supports GPS/BDS/LBS positioning, light sensor, and multiple alerts for abnormal vibration, low battery, etc. With our cloud platform and mobile App, LL302 is ideal for remote monitoring of users' targets, and it's also suitable for such application scenarios as vehicle rental, fleet management, logistics transportation, etc.

Product page



# LL303

## LTE Solar Powered GNSS Tracker

The LL303 is a 4G solar-powered tracker designed for the management of construction vehicles and vessels. Featuring the solar panel, magnetic charger, and IP67 waterproof rating, this device is ideal for a variety of deployments that require long standby time and continued optimal performance. LTE communication with GSM (2G) fallback ensures a solid connection in almost all cases. In addition to these features, multiple working modes, various peripheral accessories and the suite of event-triggered alerts will make the LL303 a valuable part of your fleet management strategy.



Product page



# LL701

## Asset Management Terminal

The LL701 is a Long-Standby Asset Tracker designed for the management of heavy-duty vehicles such as heavy trucks and construction vehicles. Using the CR123A battery allows for more availability and better portability, and the replaceable battery design can help fleet managers effectively reduce fleet maintenance costs. Depending on reporting frequency, its low consumption can provide up to 5 years of working time on 3 batteries, while it also supports an external power supply for longer working life. In addition to these features, the IP67 waterproof rating and the suite of event-triggered alerts will make the LL701 a perfect solution for non-real-time tracking of heavy-duty vehicles, goods and other assets.



Product page



# LL702

## 4G Cat.1 GPS Tracker

The LL702 is a wireless GPS tracker designed for ultra-long operation and easy installation. The 4,200mAh battery allows it to operate for more than 3 years in default mode, that is, one position fix a day. The compact size and the strong magnet enable it to be installed hidden in vehicles, equipment, and other valuables securely. It pinpoints the locations of these assets accurately using satellites (GPS/BDS) and base stations. Other features include tamper alert, low battery alert, geofence alert, multiple working modes, and more, making it suitable to be used in various tracking scenarios to keep your asset safe and give you peace of mind.

Product page



# AT4

## Long-standby Asset GNSS Tracker

The advanced features, rugged construction, and industry-leading battery life make the AT4 the new state of the art in asset GPS tracking. Using GPS and LBS positioning, the magnet-mounted AT4 gives detailed reports telling you exactly where a vehicle has been, where it's headed and how fast it's traveling. The internal mic allows for audio monitoring of the environment. With a 10,000mAh battery and IPX5 waterproof rating, the AT4 puts you in total control of individual vehicles or fleets.

Product page



# LG300

## Asset GNSS Tracker

The LG300 is a 2G wireless tracker designed to handle industrial and commercial applications ranging from rental agencies and fleet management to freight transportation and more. Featuring multiple positioning systems and a high-capacity battery, the LG300 is ideal for persistent tracking of vehicles or cargo, and the device also supports remote monitoring of your assets via SMS or network.

Product page



### GPS & BDS & LBS Positioning

A synergy of multiple positioning systems ensures that locations are accurately displayed on the cloud platform.



### Low Battery Alert

Users will be alerted when the remaining battery power of the device falls below 20%.



### Sound-Triggered Alert

The device can send an alarm and automatically turn on audio recording after detecting noise.



### Remote Update

Support updating the device firmware via the delta over-the-air update (OTA).



### Multiple Working Modes

Configurable working modes according to your actual demands.



### Tamper Alert

Receive a tamper alert when the light sensor detects device removal.



### Remote Audio Recording

Audio recording can be activated through the platform on demand.



### 10,000mAh Rechargeable Battery

High-capacity battery supports long standby applications, and is easily recharged for re-deployment.





## Personal Care

### ALL-AROUND

Safety solutions for children, the elderly, and hikers.

### DISCREET

The SOS button, inconspicuous mic, etc. gives added protection.

### TWO-WAY

Quick contact with family or other caregivers

# PG201

## Intelligent Personal Tracker

The PG201 is an intelligent personal tracker designed to handle on-site personnel management ranging from sanitation workers to field staff and beyond. It's also a portable terminal for its light and compact size, and it supports two-way communication. In addition to these features, the multiple positioning systems will enable the PG201 to position faster and more accurately.

Product page



### GPS & BDS & LBS Positioning

A synergy of multiple positioning systems ensures the location to be accurately displayed on the cloud platform.



### Two-Way Communication

Enable workers to make speed-dials to three important contacts with this device.



### Panic Button

Enable workers to ask for immediate help with a single press.



### Intelligent Positioning Modes

Support timing, specific period and instant positioning.



### IPX5 Water Resistance

Rugged and reliable design ensures stable operation in tough conditions.



### Extra-Long Standby

Featuring a 1,200mAh battery, this device supports up-to-8-day standby time.

# Qbit M

## LTE Portable GNSS Tracker

Small volume, compact structure, the Qbit M is an advanced portable tracker designed to handle the personal security of the elderly, children and vulnerable people. With LTE-M communication and GNSS positioning technology, the device ensures a solid connection and accurate positioning in almost all cases. Furthermore, various accessories, a safety fence and a sound alarm will add to the security and peace-of-mind provided by the Qbit M.

Product page



### Intelligent Positioning

With GNSS and nRF cellular positioning (optional) for indoor & outdoor signal coverage, the device can send notifications and upload locations based on moving states.



### Compact Size

Small and light, yet with a long standby time, the device is easy to carry.



### Sound Alarm

Make the device sound an alarm through the APP command to find the specific vehicle or person.



### Time-Phased Working

Support setting the device's working hours and sleeping hours on demand.



### Panic Button

Press the device's panic button to send an immediate alert and real-time location for emergency help or rescue.



### Safety Fence

Geofencing (connected to WiFi hotspots), used with real-time location services, can notify users via the APP if a device leaves a designated area.



## Shared Mobility

### RELIABLE

Rugged, durable design for the harshest conditions.

### EASY

Unified, efficient management of bicycles.

### STABLE

High capacity along with solar-powered energy.



# JM-BL11

Product page



## LTE Cat M1/NB2 GNSS Sharing Bike Lock

The JM-BL11 GPS sharing bike lock is an optimized hardware for bike sharing solution powered by Cat M1/NB2 low power consumption technology, reinforced structure, and enhanced data security protection, enabling faster projects implementation and easier bike maintenance, as well as better user experience.

- GPS & LBS Positioning**  
A synergy of multiple positioning systems ensures that locations are accurately displayed on the cloud platform.
- Solar Powered**  
A solar panel converts sunlight into electricity that can be used to power this device.
- Rugged and Durable Design**  
Rugged case and reliable fixing make it hard to damage this device without professional tools.
- Vibrating Alert**  
You'll get notified if the vibration reaches threshold, such as drilling, hammering, or stealing bike.
- Quick & Simple Unlocking**  
You can unlock this device via Bluetooth, NFC or by scanning QR code on a designated app.
- Large 10,000mAh Battery**  
High capacity along with solar-powered energy ensures the electricity never drains out.
- IP66 Dust and Water Resistance**  
Rugged design ensures continued optimal performance, even in the toughest conditions.
- TLS Data Encryption**  
Most widely deployed security protocol between two communicating applications.

CE, RoHS, REACH, SCCP&HBCCD certified

Product page



# BL10

## GNSS Sharing Bike Lock

The all new BL10 GPS bike lock is a cost-effective solution for securing shared bicycles. Developed by experienced innovators, this discreet lock helps keep the bike secure, track the bike's location, and also allows the bike to be unlocked via Bluetooth. Alerts can be triggered and sent to the operator if the bike leaves designated areas that you set. Monthly usage reports can be sent via email, platform or app to the operator, giving you crucial insight into the usage history of the bicycle. This next-generation device has been improved to have lower power consumption and longer battery life.

- GPS & LBS Positioning**  
A synergy of multiple positioning systems ensures that locations are accurately displayed on the cloud platform.
- Geo-Fence**  
A virtual area set on platform by yourself, you'll be informed when the bike crossing its boundary.
- Large 10,000mAh Battery**  
High capacity along with solar-powered energy ensures the electricity never drains out.
- Rugged and Durable Design**  
Rugged case and reliable fixing make it hard to damage this device without professional tools.
- Quick & Simple Unlocking**  
You can unlock this device via bluetooth or by scanning QR code on a designated app.
- Solar Powered**  
A solar panel converts sunlight into electricity that can be used to power this device.
- Vibrating Alert**  
You'll get notified if the vibration reaches threshold, such as drilling, hammering, or stealing bike.
- IPX5 Water Resistance**  
Water-resistant design ensures normal functioning in different weather conditions.

CE, FCC certified



# Video Telematics

## INTELLIGENT

Multiple visual AI algorithms.

## FULLER-VIEW

Up to 5 cameras monitor various angles.

## EXTENSIBLE

Different ports for optional accessories.

# JC120

## Compact Single-Channel DashCam

JC120 is a cost-effective 4G dash cam, which uses a 4G Cat.1 module for communication and supports positioning via both GPS and BDS. With the build-in full-color and high definition camera, JC120 can capture and upload clear important videos and send out alerts to notify backoffice managers when a vehicle has collided or encountered other emergencies so drivers can get help faster and damages can be minimized. Moreover, JC120 can fully meet your need to remotely monitor and manage your private cars, ride-hailing service vehicles, taxis, or government or corporate vehicles.



### Video Surveillance

Powerful LTE connectivity enables the live monitoring of the vehicle's exterior via an online platform.



### Multiple Alerts

Record and upload video clips or still images of customizable events such as speeding and SOS button activation.



### Panic Button

The discreetly installed in-cab SOS button allows the driver to call dispatch or summon emergency services immediately.



Product page



### Dual Mode Positioning

Locate vehicles using both GPS and BDS signals and collect location data, vehicle speed and other data for analysis.



### Compact Size

The small form factor allows discreet installation behind the rearview mirror without blocking the driver's view.



### Driving Behavior Analysis (DBA)

Record reckless driving practices such as harsh acceleration, sharp cornering, speeding, etc. and lock the footage for driver coaching and evidentiary support.

# JC450 Series

## Multi-Channel AI DashCam

The JC450 Series is an LTE dashcam system designed specifically for use in commercial vehicles. This feature-rich camera system is capable of recording 4/5 separate channels simultaneously, and provides valuable ADAS and DMS algorithms that actively assist drivers increase awareness and safety on the road by providing real-time, actionable alerts. Video clips triggered by key events or the in-cab SOS button are saved to the cloud for later review or evidentiary support. Other features of this system, including support for peripheral sensors, the ability to connect via WiFi, and expanded on-device storage make the JC450 Series a perfect solution for a variety of applications across multiple industries.

Product page



### Video Surveillance

Powerful LTE connectivity enables the live monitoring of the vehicle's interior and exterior via an online platform; while the critical video clips in the device allows for on-demand playback after the fact from anywhere, at any time.



### Visual AI Algorithms

The device uses a variety of AI algorithms such as ADAS and DMS, to provide tools that help improve road safety and driver safety and compliance.



### Multiple Alerts

Record and upload video clips or still images of customizable events such as speeding and SOS button activation.



### Extension Interface

Various ports such as RS232 and TTL provide support for optional accessories such as fuel and temperature sensors.



### Multi-Channel Recording

Multiple cameras can be configured to monitor various angles, providing a fuller view of the vehicle and its surroundings.



### Dual Mode Positioning

Locate vehicles using both GPS and BDS signals and collect location data, vehicle speed and other data for analysis.



### Vehicle Immobilization

Enable you to cut off the fuel/power to the vehicle moving under 20km/h using Tracksolid Pro, which is useful if your fleet vehicle has been stolen.



### Expanded Storage

Dual micro TF card slots provide a maximum of 512GB on-device storage, allowing for up-to-7-day 5 cameras recording simultaneously.



CE, FCC certified

# JC400

## Dual-Channel Dashcam

JC400 4G dashcam can significantly increase the safety efficiency and sustainability of operations that power the fleet. It allows you to add an inward-facing, or backup camera as needed. The on-device camera can monitor the road ahead, while the peripheral camera can monitor the cabin, or the rear. Furthermore, the 4G capability of the device enables seamless video streaming, live audio alerts, route replay, and video history playback. With all of these features, fleet managers can coach drivers based on data and improve operations to unlock more benefits, whether they're managing government, logistics, ride-hailing, or taxi fleets.



### Video Surveillance

Powerful LTE connectivity enables the live monitoring of the vehicle's interior and exterior via an online platform; while the critical video clips in the device allows for on-demand playback after the fact from anywhere, at any time.



### Multiple Alerts

Record and upload video clips or still images of customizable events such as speeding and SOS button activation.



### Vehicle Immobilization

Enable you to cut off the fuel/power to the vehicle moving under 20km/h using Tracksolid Pro, which is useful if your fleet vehicle has been stolen.



### Dual Channel Recording

Monitor the road ahead through the integrated lens and what is happening in the cab, in the rear to the side, or to the driver through a peripheral camera to meet your specific business needs.



### Compact Size

The small form factor allows discreet installation behind the rearview mirror without blocking the driver's view.



### Fast Integration

We can provide an IoT Hub to facilitate fast and seamless integration to any third-party platform or the intelligent transport system (ITS).

CE, FCC, RoHS certified

Product page



# JC400P

## Integrated Dual-Channel DashCam

With a highly integrated design, JC400P 4G dashcam comes with a 1080P front camera and a 720P on-device sub camera to record everything on the road and records in the cabin. Furthermore, the 4G capability of the device enables seamless video streaming, live audio alerts, route replay, and video history playback. With all of these features, fleet managers can coach drivers based on data and improve operations to unlock more benefits, whether they're managing government, logistics, ride-hailing, or taxi fleets.



### Video Surveillance

Powerful LTE connectivity enables the live monitoring of the vehicle's interior and exterior via an online platform; while the critical video clips in the device allows for on-demand playback after the fact from anywhere, at any time.



### Multiple Alerts

Record and upload video clips or still images of customizable events such as speeding and SOS button activation.



### Vehicle Immobilization

Enable you to cut off the fuel/power to the vehicle moving under 20km/h using Tracksolid Pro, which is useful if your fleet vehicle has been stolen.



### Dual-Channel Recording

Simultaneously monitor the road ahead and what happens in the cab in real-time through the two on-device lenses, with no peripheral camera needed.



### Compact Size

The small form factor allows discreet installation behind the rearview mirror without blocking the driver's view.



### Fast Integration

We can provide an IoT Hub to facilitate fast and seamless integration to any third-party platform or the intelligent transport system (ITS).

CE, FCC, RoHS certified

Product page



# JC261

## Dual-Channel AI DashCam

The JC261 4G dash camera allows you to add a driver-facing, inward-facing, or backup camera as needed. The on-device camera can monitor the road ahead, while the peripheral camera can monitor the driver, the cabin, or the rear. A number of safety features are included in the system, including DMS, ADAS, exception alerts, and more. Furthermore, the 4G capability of the device enables seamless video streaming, live audio alerts, route replay, and video history playback. With all of these features, fleet managers can coach drivers based on data and improve operations to unlock more benefits, whether they're managing government, logistics, ride-hailing, or taxi fleets.



### Video Surveillance

Powerful LTE connectivity enables the live monitoring of the vehicle's interior and exterior via an online platform; while the critical video clips in the device allows for on-demand playback after the fact from anywhere, at any time.



### Driver Assistance (ADAS)

The ADAS algorithm enables the device to monitor incidents related to following distance, near collisions, lane keeping, etc., and warn the driver in real time.



### Panic Button

The discreetly installed in-cab SOS button allows the driver to call dispatch or summon emergency services immediately.



Note: Peripheral cameras are sold separately.



### Dual-Channel Recording

Monitor the road ahead through the integrated lens and what is happening in the cab, in the rear to the side, or to the driver through a peripheral camera to meet your specific business needs.



### Driver Monitoring (DMS) (Optional)

The DMS camera is able to detect fatigue and distracted driving, such as texting while driving, yawning, smoking, or fiddling with the stereo, as well as the exception of the driver not being in position.



### Fast Integration

We can provide an IoT Hub to facilitate fast and seamless integration to any third-party platform or the intelligent transport system (ITS).

Product page



Product page



# JC261P

## Integrated Dual-Channel AI DashCam

The JC261P integrated dual-lens dash camera allows you to simultaneously monitor the road ahead and the cabin. A number of safety features are included in the system, including infrared night vision (inward-facing lens), ADAS, exception alerts, and more. Furthermore, the 4G capability of the device enables seamless video streaming, live audio alerts, route replay, and video history playback. With all of these features, fleet managers can coach drivers based on data and improve operations to unlock more benefits, whether they're managing government, logistics, ride-hailing, or taxi fleets.



### Video Surveillance

Powerful LTE connectivity enables the live monitoring of the vehicle's interior and exterior via an online platform; while the critical video clips in the device allows for on-demand playback after the fact from anywhere, at any time.



### Driver Assistance (ADAS)

The ADAS algorithm enables the device to monitor incidents related to following distance, near collisions, lane keeping, etc., and warn the driver in real time.



### Panic Button

The discreetly installed in-cab SOS button allows the driver to call dispatch or summon emergency services immediately.



### Dual-Channel Recording

Simultaneously monitor the road ahead and what happens in the cab in real-time through the two on-device lenses, with no peripheral camera needed.



### Highly-Integrated Design







The high-definition road-facing camera (main) and the inward-facing camera (sub) are housed in one unit. This saves space and makes it easier to install.



### Fast Integration

We can provide an IoT Hub to facilitate fast and seamless integration to any third-party platform or the intelligent transport system (ITS).

# Comparison of Peripheral Cameras V1.0.1

Photo						
Model	CI01	CI02	CI03	CE01	CD02	JC170
Name	Infrared Cabin-View Camera	Cabin-View USB Camera	Infrared Inward-Facing Camera	IP67 Blindspot Camera	Mini Infrared DMS Camera	DMS AI Camera
Scenario	Monitor the cabin or the cargo in trailer	Monitor the cabin	Monitor the entire cabin or the backseat area	Monitor the cargo in trailer, the rear, or the fuel tank	Monitor driver attentiveness	Monitor driver attentiveness
Compatibility	JC261, JC400 and JC450 series	JC450 series	JC261, JC400 and JC450 series	JC261, JC400 and JC450 series	JC450 series	JC261, GT06N, and VL802
FoV	100° (H), 65° (V), 150° (D)	135° (H), 85° (V), 170° (D)	119° (H), 70° (V), 152° (D)	125° (H), 75° (V), 165° (D)	56° (H), 31° (V), 65° (D)	56° (H), 31° (V), 65° (D)
Resolution	1280*720	1280*720	1280*720	1280*720	1280*720	1280*720
Color	Full color in daytime & monochrome in dim light	Full color in daytime & monochrome in dim light	Full color in daytime & monochrome in dim light	Full Color	Monochrome	Monochrome
Night Vision	IR-940*2	IR-940*2	IR-940*2	No	IR-940*2	IR-940*2
Waterproof	No	No	No	IP67	No	No
Operating Voltage	DC 3.6–5.5V	Obtain power from JC450	DC 3.6–5.5V	DC 3.6–5.5V	DC 3.6–5.5V	DC 9–30V
Dimensions	32*54*33mm	Φ14	73*42mm	22*22*30mm	32*54*33mm	68*54*30mm
Cable Length	2.5m	—	2.5m	0.5m	2.5m	1.5m
Length of Extension Cable (Sold Separately)	5m or 10m customizable	—	5m or 10m customizable	5m or 10m customizable	—	—
Recommended Install Position	Dashboard	USB port on JC450	A pillar	Rear bumper	Dashboard at driver side	Dashboard at driver side
Other Possible Install Positions	1. Inside cargo trailer 2. Windshield	—	Windshield	1. Front bumper 2. Near fuel tank 3. Inside cargo trailer	—	Windshield at driver side
Fixation	1. Screws; or 2. Double-sided tape	1. Screws	1. Screws; or 2. Double-sided tape	1. Screws; or 2. Double-sided tape	1. Screws; or 2. Double-sided tape	1. Screws; or 2. Double-sided tape



**Accessories**

# CABLES



Input Output cable



Power cable



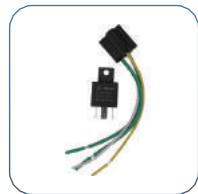
Buzzer



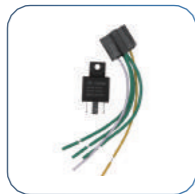
Speaker



TTL-RS232 interface converter



4 pin relay



5 pin relay



Microphone



Panic button

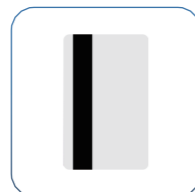
# DRIVER IDENTITY



iButton



Magnetic card reader



Magnetic card



RFID reader



RFID tag

# PERIPHERAL CAMERAS



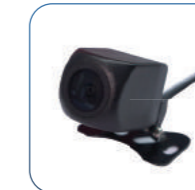
CI02 Cabin-View USB Camera



CI01 Infrared Cabin-View Camera



CI03 Infrared Inward-Facing Camera



CE01 IP67 Blindspot Camera



JC170 DMS camera



Mini Infrared DMS Camera

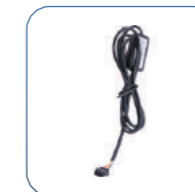
# SENSORS



70cm capacitive fuel sensor



70cm capacitive sensor calibrator



Temperature sensor



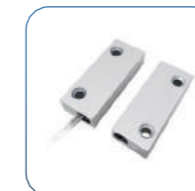
Ultrasonic fuel sensor



Temperature sensor



Capacitive fuel sensor



Door sensor





[www.jimiiot.com](http://www.jimiiot.com)



[www.iconcox.com](http://www.iconcox.com)

TEL: 400 616 5931

\* We reserve the right of final interpretation of this catalog.  
All information is for reference only and is subject to change without further notice.