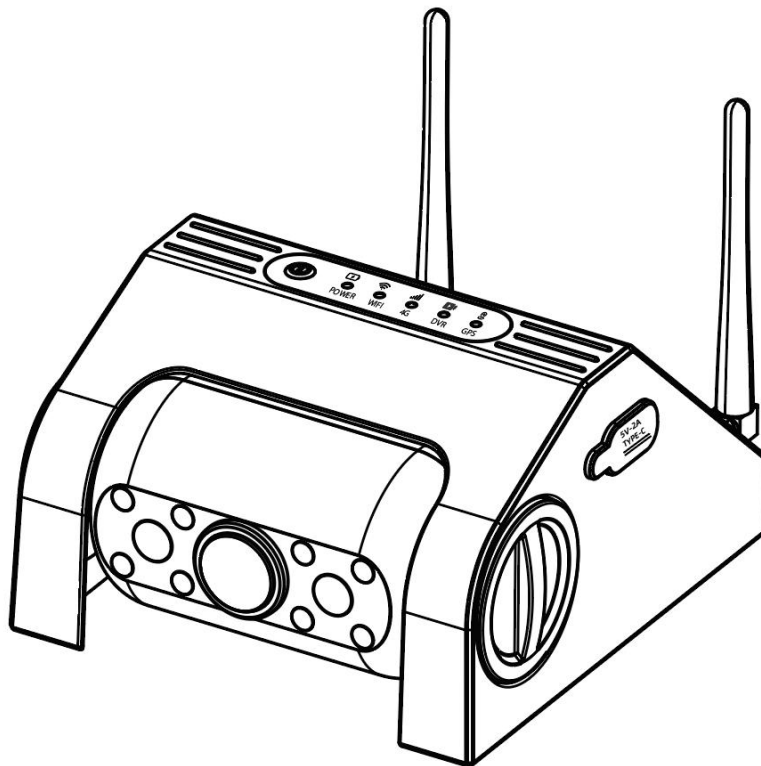


Smart Dash Camera

User Manual V1.0



Model: AT105

Please read this manual carefully before using the product to ensure proper installation and operation. The contents of this manual are subject to change without prior notice as part of our ongoing product improvement and development efforts

About This Manual

This manual provides instructions for the installation, configuration, operation, and maintenance of the AT105 AI Dash Camera. It also outlines important safety information and operational precautions. All text, images, diagrams, and other content contained in this manual are the property of Anyixing. No part of this publication may be reproduced, copied, translated, modified, or distributed in any form without prior written authorization from Anyixing.

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Intended Audience

This manual is intended for authorized installers, system integrators, fleet operators, technical support personnel, and other users responsible for the deployment and maintenance of the AT105.

Product Information

The product images, interface screenshots, and illustrations contained in this manual are provided for reference only. Actual product appearance, color, dimensions, software interfaces, and functions may vary depending on the product version and configuration. Please refer to the actual product.

Performance data, specifications, and test results referenced in this manual are obtained under controlled laboratory conditions and may vary due to hardware configurations, software versions, network environments, operating conditions, and other factors. Actual performance may differ accordingly.

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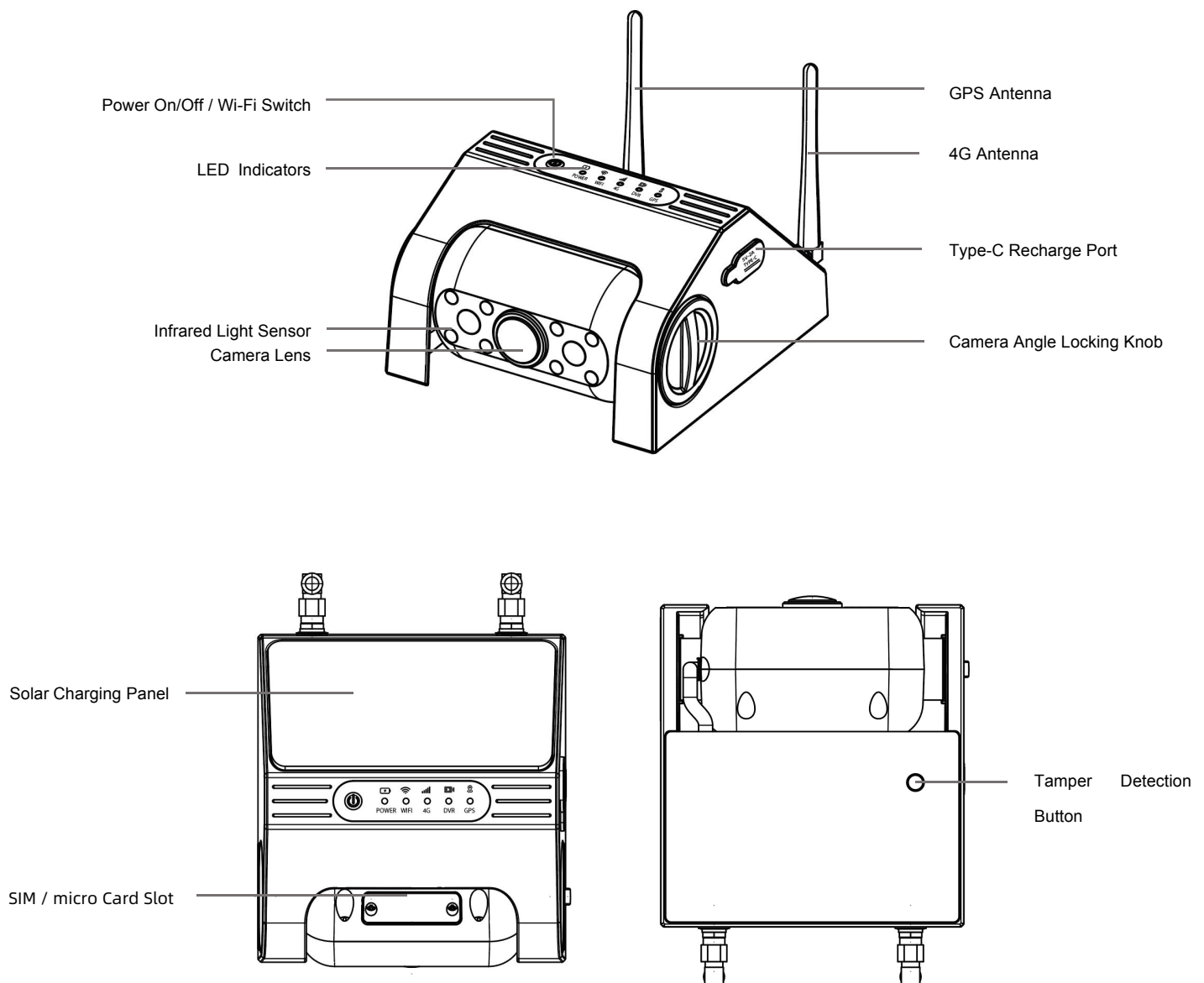
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1. Overview

AT105 is a waterproof 4G AI dash camera integrating ADAS, DMS, and BSD. It combines AI vision algorithms, global 4G connectivity, and multi-mode GNSS positioning to enhance driving safety and reduce fleet risks.

Featuring a portable magnetic mount, solar charging, and tamper removal alerts, AT105 supports quick installation and provides up to 15 hours of continuous operation on a full charge. It seamlessly integrates with fleet management and video telematics platforms, making it ideal for fleets, Recreational Vehicle, construction machinery, sanitation vehicles, and other commercial applications.

1.1 Appearance Description



1.2 Packing contents

Package contains the following items:

Item	Name	Photo	Quantity
1	AT105 device		1
2	Mounting Base Plate		1
3	Base Plate Fixing Screws		4
4	USB Charging Cable		1

1.3 Specifications

General	
Operating System	Linux
Dimensions	115 * 108 * 65 mm
Weight	1.04g
Color	Black
Power Supply	5V 500mA Type C
Battery Capacity	7800mAh
Operating Temperature	-20 ~ +70 °C
Operating Humidity	10%-90% Non-condensing
Hardware	
CPU	Dual-Core processor@1.2GHz, 0.5T NPU
RAM	1Gb DDR3L
External Storage	1*Micro SD card, max. 512GB
G-Sensor	3 Axis Accelerometer

GNSS	Multiple Positioning Mode
SIM Card	Micro SIM
LED	Power, Wi-Fi, 4G, DVR, GPS
Multi-function Button	Long press: Power on/off Short press: Wi-Fi on/off
AI Events	
ADAS	FCW, HMW, LDW, PCW
DMS	Eye Close, Yawning, Distraction, Smoking, Phone Use, Driver Abnormal, IR Blocking, Seat belt Unfastened, Driver Face Recognition
BSD	Front, Left, Right or Back Blind Spot Detection
Network	
Cellular	LTE Cat1
Frequency Bands	B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B66/B71/B34/B38/B39/B40/B41
Wi-Fi	802.11b/g/n 2.4G, supports AP & station mode
Protocol	JT/T 808-2013, JT/T 808-2019, JT/T1078-2016, T/JSATL12-2017
Video	
Channels	Built-in 1CH * 1080P
Video Encoding	H.264
Frame Rate	25 FPS
Image Sensor	1/2.9", 2 MP CMOS Sensor, SupportsIR Night Vision
Lens	120° FOV, 2G2P, F2.0 Aperture
Recording Quality	Main and Sub Stream, Adjustable Resolution
Recording Mode	Auto Recording, Time Lapse Recording, Event Recording
Video Format	TS, MP4
Image Format	JPG
*Configurations may vary in different countries and regions.	

1.4 LED indicator

The table below shows the status of the LED:

LED	Color	Status	Meaning
Recording	Yellow/Red	Blinking yellow	Solar charging

		Blinking red	USB charging
		Red	Fully charged
WiFi	Blue	OFF	Not enabled
		Blinking	Wi-Fi is turning on
		Solid ON	Working normally.
4G	Blue	OFF	Dial-up failed (no SIM card inserted / SIM card damaged)
		Blinking	4G signal available but not connected to platform
		Solid ON	4G signal available and connected to platform
DVR	Blue	OFF	No micro SD card inserted / Camera damaged
		Solid ON	Recording
GNSS	Blue	OFF	No GPS signal.
		Blinking	There is GPS signal but can't fix position.
		Solid ON	There is GPS signal and successfully positioned.

2. Features

- High Performance AI Chipset
- Built in HD Camera
- Solar Charging Support
- Magnetic Portable Installation
- Tamper Removal Alert
- Multi-Platform Connection
- Location Tracking
- Location Tracking
- LTE 4G High Speed Connectivity
- Lens Angle Adjustable
- Live Streaming Video
- History Video Playback & Download
- Supports ADAS / DMS / BSD
- Wi-Fi with AP & Station Mode
- High-capacity 7800mAh battery
- OTA Firmware Update

3. Functions

3.1 Basic Operation

- Startup: Press and hold the Power button to power on. The device will also power on automatically when the USB charging cable is connected for charging.
- Shutdown: Press and hold the Power button to power off. The device will also power off automatically when the battery is low.

3.2 Core Functions

Video Recording

After the device is powered on, it checks whether the microSD card is working properly. If the microSD card is normal, the device will automatically start recording. The system supports automatic loop recording. When the microSD card is full, it automatically overwrites the earliest unlocked files to ensure uninterrupted recording.

Live Video Streaming

Through the backend platform, the device can transmit real-time video data via cellular network. This allows fleet operators to monitor the vehicle and driver status remotely in real time.

Historical Video Retrieval

The platform enables users to request and download event-based or time-based video clips. Recorded files stored on the memory card can be uploaded to the cloud server for playback, analysis, and evidence review.

Event Monitoring

During operation, the device continuously monitors vehicle speed, acceleration (G-sensor), GNSS data, and driver status. When abnormal driving behavior or critical events are detected, the system triggers alerts and automatically uploads event data, including location information and photo/video evidence, to the platform.

Position Tracking

When the device is turned ON, the GNSS module is activated automatically for real-time positioning. The system continuously tracks and records vehicle location data, which is transmitted to the cloud platform. Users can view both real-time and historical trip routes through the fleet management system.

3.3 AI Functions

This device uses advanced computer vision and deep learning algorithms to automatically identify road

traffic hazards and unsafe driving behaviors. When a trigger condition is detected, the system immediately reports the alarm event to the backend in real time for driver or enterprise safety analysis. This device does not support local voice alerts..

Important: To ensure optimal detection accuracy, all AI functions must be properly installed, calibrated, and configured according to the installation guidelines. Incorrect installation or calibration may affect AI performance and detection accuracy.

AI Event Trigger Conditions

AI safety alerts are activated only when the vehicle speed exceeds the configured enable speed threshold.

Outdoor Testing

For outdoor testing, ensure that the device has acquired a valid GPS signal. The AI system will use the GPS speed as the trigger condition for event detection.

Indoor Testing

For indoor testing without GPS reception, a simulated speed higher than the events enable speed threshold is required. Please refer the Article 5 for how to configure the simulated speed.

The simulated speed setting is valid only for the current session. After the device is restarted, the system automatically returns to using GPS speed for AI event triggering.

3.3.1 ADAS functions

When multiple ADAS events are detected simultaneously, alerts are triggered according to the following priority order:

1. Auto Calibration
2. Forward Collision Warning
3. Pedestrian Collision Warning
4. Close Distance Warning
5. Lane Departure Warning
6. Front Vehicle Start Warning

3.3.1.1 Forward Collision Warning



Function:

Monitors the distance and relative speed between the host vehicle and the vehicle ahead in real time. When a potential collision risk is detected, the device reports an alert to the platform.

Trigger Conditions:

A warning is generated when:

- Vehicle speed exceeds 30 km/h (default threshold);
- A vehicle is detected in the host vehicle's driving lane;
- The estimated Time-to-Collision (TTC) falls below the configured warning threshold.

To reduce false alerts, warnings are suppressed when the host vehicle is already decelerating significantly.

3.3.1.2 Pedestrian Collision Warning

**Function:**

Detects pedestrians, cyclists, and motorcyclists in front of the vehicle in real time. When a potential collision risk is identified, the device reports an alert to the platform.

Trigger Conditions:

A warning is generated when:

- Vehicle speed is within the configured warning range (10–60 km/h by default);
- A pedestrian, cyclist, or motorcyclist is detected ahead of the vehicle;
- The distance to the detected road user exceeds the configured threshold.

3.3.1.3 Lane Departure Warning

**Function:**

Monitors the vehicle's position within the lane in real time and report an alert to the platform when an unintentional lane departure is detected with the risk of accidents caused by distraction or fatigue.

Trigger Conditions:

A warning is generated when:

- Vehicle speed exceeds the threshold;
- The vehicle drifts toward visible lane marking and the distance is less than the configured threshold;

3.3.1.4 Close Distance Warning



Function:

Designed for low-speed driving scenarios, it continuously monitors the distance and relative movement between the host vehicle and the vehicle ahead. When a potential rear-end collision risk is detected, the device reports an alert to the platform.

Trigger Conditions:

A warning is generated when:

- Vehicle speed is between minimum and maximum trigger speed threshold;
- The estimate time of collision falls below the configured threshold;
- The host vehicle and the vehicle ahead are moving closer to each other.

3.3.1.5 Front Vehicle Start Warning



Function:

When the host vehicle is stopped in traffic, the device monitors the movement of the lead vehicle ahead in real time. To prevent traffic blockage at intersections, an alert is reported when the vehicle ahead has started and pulled away while this vehicle has not yet started..

Trigger Conditions:

- Host vehicle remains stationary while the distance to the vehicle ahead is longer than the threshold;
- Distance to the vehicle ahead is within the maximum configured value;

3.3.2 DMS functions

Alarm Priority

To ensure critical driver safety events receive immediate attention, DMS alerts are processed according to the following priority order:

1. Fatigue Driving Detection
2. Mobile Phone Usage Detection
3. Driver Distraction Detection
4. Smoking Detection
5. Seat Belt Detection

3.3.2.1 Fatigue Driving Detection



Function:

Monitors the driver's level of alertness by detecting signs of fatigue, including prolonged eye closure and yawning. When fatigue-related behavior is identified, the device reports an alert to the platform.

Trigger Conditions:

An alert is generated when the vehicle speed exceeds configured threshold and the detected fatigue indicators exceed the configured time duration and sensitivity threshold.

3.3.2.2 Driver Distraction Detection



Function:

Detects driver distraction behaviors, such as looking away from the road, frequently turning the head, or looking down for extended periods. When distracted driving is identified, the device reports an alert to the platform.

Trigger Conditions:

An alert is generated when the vehicle speed exceeds the configured threshold and the detected driver's head pose exceeds the configured time duration and sensitivity threshold.

3.3.2.3 Smoking Warning



Function:

Identifies smoking behavior during driving and reports an alert to the platform to detect compliance with fleet driving policies.

Trigger Conditions:

An alert is generated when the vehicle speed exceeds the configured threshold and smoking behavior is detected continuously for a specified duration.

3.3.2.4 Calling & Phone Use Detection



Function:

Detects mobile phone usage during driving, specifically phone call behavior, and issues an alert to the platform to detect distracted driving.

Trigger Conditions:

An alert is generated when the vehicle speed exceeds the configured threshold and detected continuous phone call or using behavior exceeds the configured time duration and sensitivity threshold.

3.3.2.5 Seat Belt Detection



Function:

Detects whether the driver is wearing a seat belt during vehicle operation. If the driver is not properly restrained, the system reports an alert to the platform to monitor compliance with fleet safety regulations.

Trigger Conditions:

An alert is generated when the vehicle speed exceeds configured threshold and the driver is detected as not wearing a seat belt exceeds the configured time duration.

3.3.2.6 Lens Occlusion Warning



Function:

Detects when the DMS camera lens is blocked, covered, or otherwise obstructed, which may prevent the system from accurately monitoring driver behavior. It helps ensure that the DMS camera remains unobstructed so that driver monitoring functions can operate correctly.

Trigger Conditions:

An alert is generated when the vehicle speed exceeds configured threshold and DMS camera detects lens occlusion continuously exceeds the configured time duration and sensitivity.

3.3.2.7 Infrared Blocking Warning



Function:

Detects when the infrared (IR) illumination or infrared sensing area of the DMS camera is blocked, which may affect driver monitoring performance, especially in low-light or nighttime conditions. It helps maintain reliable DMS performance under all lighting conditions.

Trigger Conditions:

An alert is reported when the vehicle speed exceeds configured threshold and detected infrared blocking continuously exceeds the configured time duration and sensitivity.

3.3.2.8 Driver Abnormal Warning



Function:

Detects abnormal driver conditions that may indicate unsafe driving status, such as unusual posture, loss of normal driving behavior, or other abnormal conditions identified by the AI algorithm. It provides an additional layer of driver safety monitoring by identifying abnormal driver conditions that may require immediate attention.

Trigger Conditions:

An alert is reported when the vehicle speed exceeds configured threshold and detected abnormal driver condition continuously exceeds the configured time duration and sensitivity.

3.3.2.9 Drinking Warning



Function:

Detects drinking-related behavior while driving and issues an alert to help reduce distracted driving and improve fleet safety. It helps fleet operators monitor and reduce unsafe behaviors that may distract the driver while the vehicle is in motion.

Trigger Conditions:

An alert is reported when the vehicle speed exceeds configured threshold and detected drinking behavior continuously exceeds the configured time duration and sensitivity.

3.3.3 BSD Blind Spot Detection

BSD (Blind Spot Detection) uses AI-powered vision technology to continuously monitor the area around the vehicle. When the vehicle is parked and a person enters the designated monitoring area, the device automatically triggers an alert and transmits the alert information to the management platform via the 4G network. The platform can then send a notification to the driver or fleet manager for timely response.

This feature is particularly suitable for trucks, construction machinery, RVs, sanitation vehicles and other vehicles or equipment used in parking scenarios, helping fleet managers detect unusual activity around vehicles and improve vehicle and asset security..

Tigger process:

- AI-powered detection of people around the vehicle
- Real-time monitoring during parking
- Automatic alert when a person enters the designated monitoring area
- 4G transmission of alert information to the management platform
- Remote notification to drivers or fleet managers
- Video verification through the platform
- No built-in microphone or speaker required for remote alerts

4. Installation

Important Notes:

- Use only the supplied accessories for installation.
- The device has a rated charging voltage of **5V** and is compatible with common mobile phone chargers..
- After installation is completed, remove the protective film from the camera lens to ensure optimal image quality.
- Use only memory cards and SIM cards that meet the specifications outlined in this guide.

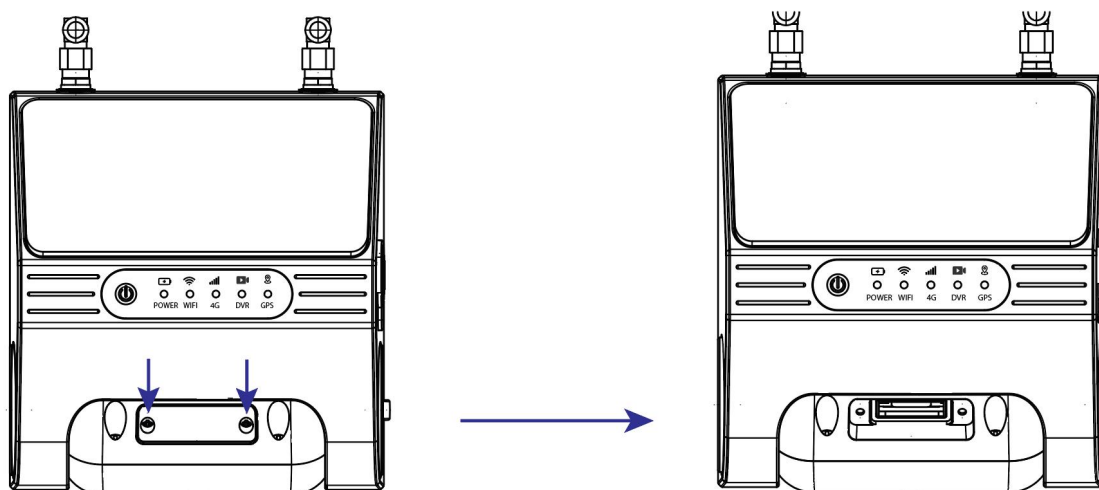
4.1 Installation Preparation

- Verify all items in the package against the packing list and ensure no components are damaged or missing before installation.
- Prepare necessary installation tools, such as cleaning cloth, screw drivers, etc.

The device series requires both a SIM card and a micro SD memory card to operate at full functionality. These accessories can be selected based on deployment requirements; however, the following specifications and guidelines must be strictly observed.

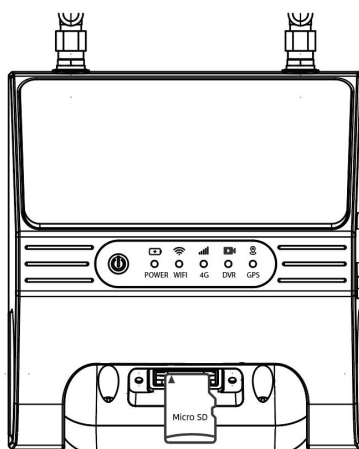
Use a screwdriver to open the card slot cover. You will see the microSD card slot and the SIM card slot,

with the microSD card slot on the top and the SIM card slot on the bottom.



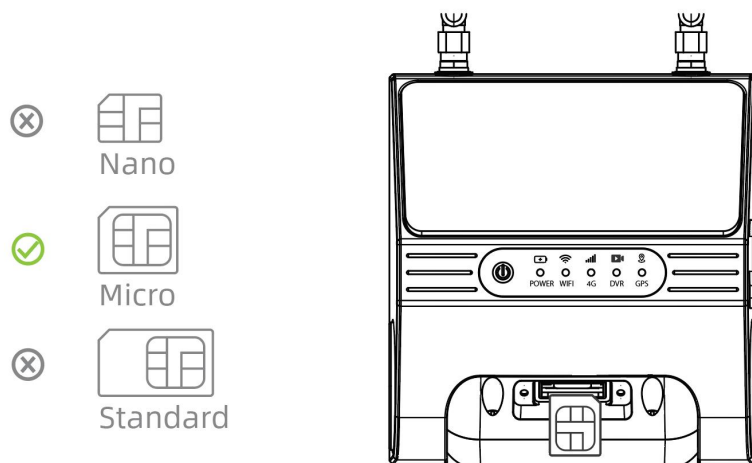
Memory card:

1. The device supports one **Micro SD** card slot.
1. Supported file system: **FAT32**, with a capacity **up to 512GB**.
2. Speed class requirement: Class 10 or higher, or A1 application performance class or above.
3. It is recommended to use memory cards supplied or certified by the device manufacturer to ensure optimal compatibility and system stability.
4. Insert the card following the correct orientation as indicated in the installation diagram to avoid damage.
5. To remove the card, gently press it inward until it ejects. When removing in a vehicle, handle with care to prevent the card from being lost or dropped into inaccessible areas.
6. Ensure the SIM card is not inserted into the memory card slot.
7. Memory cards are consumable components with a limited service life. It is recommended to perform quarterly testing to verify normal read/write performance and replace the card periodically to prevent data loss.
8. For long-term continuous recording in high-temperature environments, industrial-grade memory cards are recommended to ensure recording stability and reduce the risk of video corruption.



SIM card installation:

1. A **Micro SIM** card is required (refer to the installation diagram for size reference).
2. The SIM card must have an active cellular data service subscription.
3. Insert the SIM card according to the correct direction until a “click” sound is heard, indicating proper installation.
4. To remove the SIM card, gently press it inward until it releases. When removing in a vehicle, handle with care to avoid losing the card in hard-to-reach areas.
5. For long-term operation in high-temperature environments, ceramic SIM cards are recommended to reduce the risk of deformation and communication failure caused by heat exposure.



4.2 Battery Charging

The AT105 has a built-in rechargeable battery and does not require a vehicle power cable for normal operation. It is recommended to fully charge the battery before installation. The battery can be charged in two ways:

Method 1, USB Type-C Charging

Connect a 5V USB power source to the AT105 using a USB Type-C cable.

- Connect the USB Type-C cable to the charging port.
- Connect the other end to a suitable 5V USB power adapter or power source.
- Allow the device to charge until the battery reaches the required level.
- Disconnect the USB Type-C cable after charging if necessary.

Important: Use a suitable 5V power supply. Do not connect the USB Type-C port directly to a vehicle power source with a voltage higher than the specified input voltage.

Method 2, Solar Charging

The AT105 has a built-in solar panel that can recharge the internal battery. For best solar charging performance:

- Install the device where the solar panel receives sufficient sunlight.
- Avoid covering the solar panel.
- Keep the solar panel clean.

- Avoid installing the device in a position that is permanently shaded.
- Solar charging performance depends on sunlight intensity, installation angle, weather and environmental conditions.

Note: Solar charging is intended to extend battery operating time and may not replace USB charging under conditions with insufficient sunlight.

4.3 Installation Process

Step 1, Select the Installation Position

Install the AT105 at the position to be monitored on the vehicle or construction machinery, ensuring that the camera can clearly capture the road ahead or the driver's cab..

The installation position should:

- Provide a clear forward-facing view.
- Avoid obstruction by the windshield frame, mirrors, equipment or other objects.
- Minimize strong vibration.
- Allow sufficient space for the antennas.
- Allow easy removal of the device for charging or maintenance.

● Step 2, Install the Mounting Bracket

Place the mounting bracket on a suitable flat and stable surface. Secure the bracket firmly using the four mounting points and suitable screws.

Make sure the bracket does not move after installation.

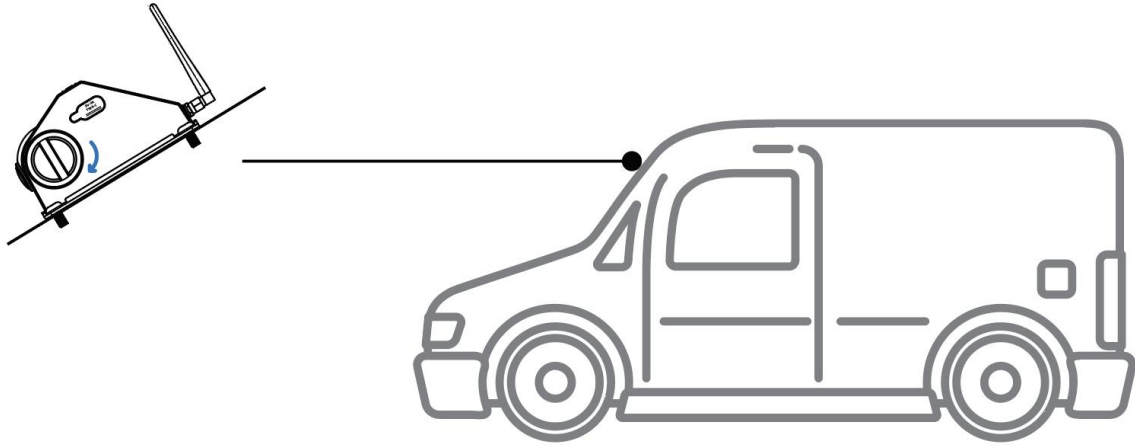
Step 3, Attach the AT105

Place the AT105 onto the mounting bracket and ensure that it is securely attached.

The magnetic/quick-release design allows the device to be easily installed and removed when necessary.

Step 4, Adjust the Camera

Adjust the camera angle so that it captures the road ahead correctly. Make sure the camera is not pointing excessively upward or downward.



5. Device Configuration

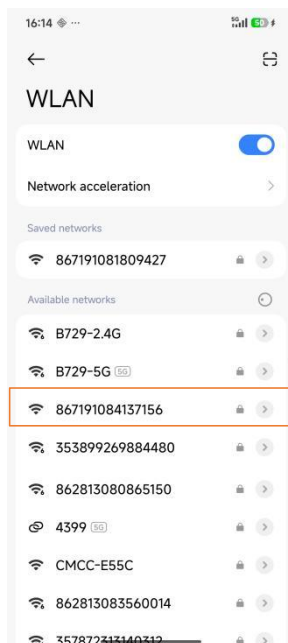
5.1 Connect to the Device Hotspot

After the device is powered on, short press the power button to turn on the Wi-Fi, the device's Wi-Fi hotspot is enabled by default in AP (Access Point) Mode. Once the hotspot is active, follow the instructions below to connect your smartphone to the device and access the configuration page.

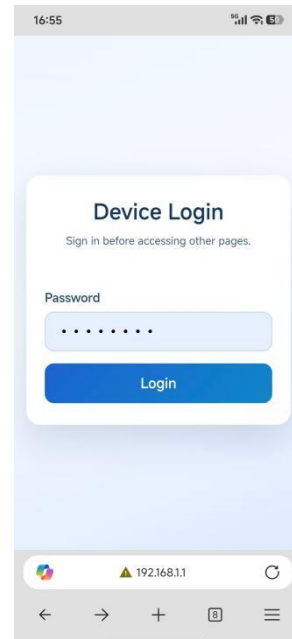
Warning:

The dash camera can be connected to only one smartphone at a time. Connecting multiple devices simultaneously may cause communication errors or configuration failures. For the best user experience, an Android smartphone is recommended.

Step1: Select the Wi-Fi named with model + IMEI number and connect it with default password: "12345678"

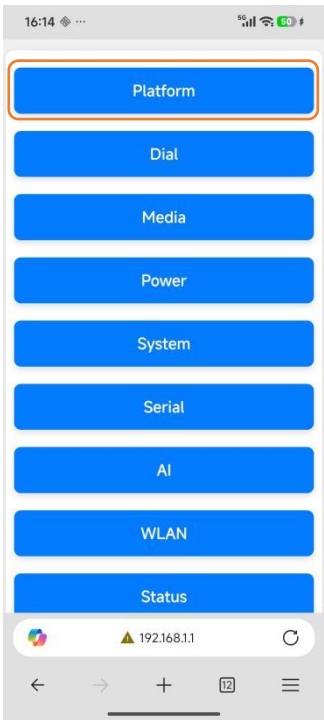


Step 2: Open this link <http://192.168.1.1> in the phone browser and login with password "00000000".

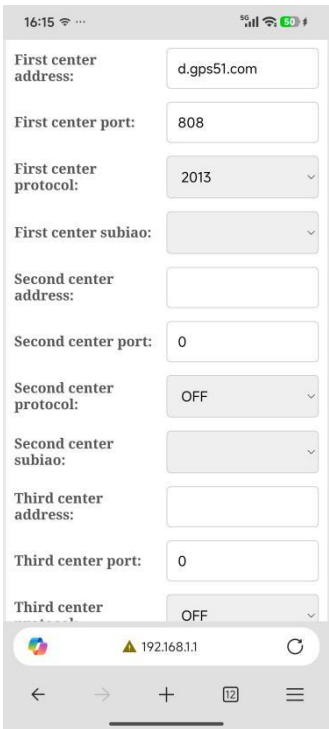


5.2 Platform Server

Step 1. Please select platform menu to modify the platform server settings.



Step 2. Input the server address (IP or domain name), port, protocol, and alarm attachment for AI events.



Note: Device ID Reporting Rules

The device use the JT/T 808 protocol and the reported device ID varies depending on the selected protocol version:

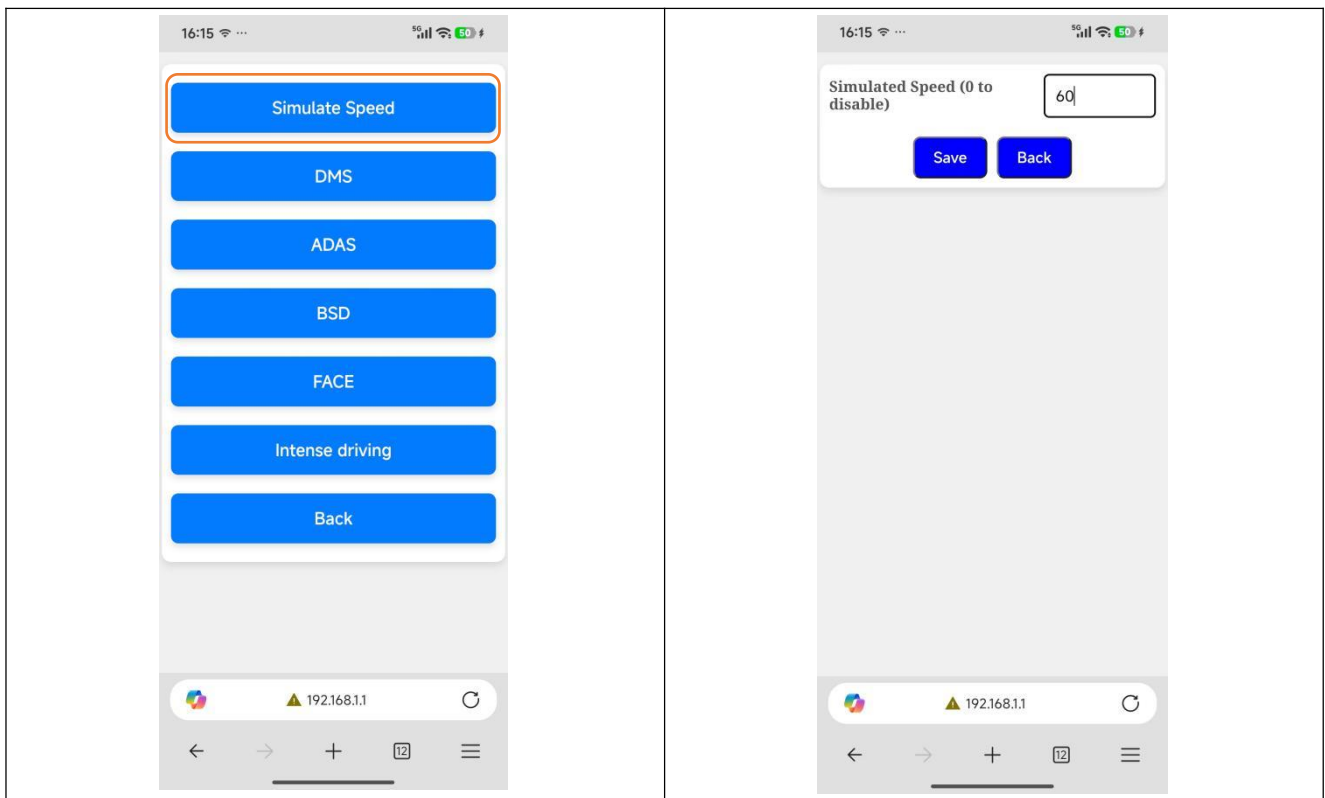
- JT/T 808-2013: The device reports the last 12 digits of the IMEI as the device ID by default.
- JT/T 808-2019: The device reports the full 15 digits IMEI number as the device ID by default.

When configuring the platform connection, simply select the appropriate JT/T 808 protocol version (2013 or 2019) according to the platform requirements. This setting only determines the version of the JT/T 808 protocol used for communication.

5.3 AI Events

Step 1. Please select the menu AI then Simulate Speed to configure a simulated speed for testing the AI events indoor without GPS reception.

Step 2. The Simulated Speed should be higher than the AI Events enable speed threshold and ensure the camera is facing a person during testing.



6. Firmware Upgrade

The device supports the following firmware upgrade methods:

Method 1: Local Upgrade via MicroSD Card

- Obtain the latest firmware package provided us.
- Copy the firmware file to the root directory of the MicroSD card.
- Insert the MicroSD card into the device.
- Power on the device. The firmware upgrade will start automatically.

Method 2: Remote Upgrade via FTP

The device also supports remote firmware upgrades over a network connection (Wi-Fi or cellular network).

Send an FTP upgrade command to the device, which will download the latest firmware package from the specified FTP server and perform the upgrade automatically.

For the command format and configuration details, please refer to the Device Command List.

7. Usage Precautions

7.1 Safety Warning

The driver remains fully responsible for the safe operation of the vehicle.

All AI active safety alerts and visual warning functions provided by this device are intended solely for use by the fleet management platform to analyze driver driving behavior and the environment surrounding the vehicle. This device does not provide voice-based active alerts.

The AI warning functions are based on computer vision and deep-learning algorithms. Detection accuracy may vary depending on road conditions, lighting, weather, traffic environments, camera installation quality, and other factors. Therefore, the system cannot guarantee 100% detection accuracy under all driving conditions.

This device is designed to help improve fleet safety and efficiency when used correctly. Improper use may cause driver distraction and could result in property damage, personal injury, or traffic accidents.

For safe operation:

- Do not review recorded videos, access the platform, or modify device settings while driving.
- Perform device configuration, maintenance, and video review only when the vehicle is safely parked and in compliance with local laws and regulations.
- Always maintain full attention on the road and surrounding traffic conditions.
- Do not allow mobile phones, tablets, or other devices used to access the platform to distract the driver.

Installation Safety Requirements

When installing the device, ensure that it:

- Does not obstruct the driver's field of view.
- Does not interfere with vehicle controls, including the steering wheel, pedals, gear selector, or other operating components.
- Is securely mounted and properly fastened.
- Is not installed in front of or within the deployment area of any airbag.

Regulatory Compliance

Some countries and regions prohibit or restrict the use of video monitoring and recording devices in vehicles. Users are responsible for ensuring that the installation and use of this product comply with all applicable local laws and regulations.

7.2 Maintenance Precautions

1. Avoid strong impacts, excessive vibration, or mechanical shock, as these may affect device

performance or cause hardware damage.

2. Do not expose the device or power supply to extreme temperatures. Operating or storing the equipment outside the specified temperature range may result in malfunction or reduced service life.
3. Do not strike, throw, puncture, drop, crush, or otherwise subject the device to physical abuse.
4. Do not disassemble, modify, or repair the device or its accessories without authorization. Unauthorized modifications may cause equipment failure and will void the product warranty.

7.3 Troubleshooting

Problem	Possible Cause / Solution
1. No video recording / recording invalid	Ensure a compatible MicroSD card is installed. The card must be formatted as FAT32 and meet the minimum requirement of Class 10 (C10) or higher.
2. Loop recording not working	Check available storage space on the memory card. If the card is full or abnormal, back up important files and format the card.
3. Video is blurry or unclear	Remove the protective film from the camera lens. Clean both the lens and the windshield to ensure proper image clarity.
4. No audio in recordings	This model does not support audio recording. For products that support audio recording, please contact our sales team for product details.
5. Memory card not readable / files cannot be played	Confirm the memory card is properly inserted and formatted as FAT32. Test the card on a computer. If playback still fails, use a different video player or replace the memory card if it is damaged.
6. Device does not power on	Check whether the device battery is low. Connect the device's USB Type-C port to a charger, and the device will power on automatically..
7. Device cannot connect to network (4G LED indicator flashing or OFF)	Verify SIM card is correctly installed and has an active data plan. For IoT SIM cards, APN configuration may be required manually.
8. No GNSS positioning (GPS LED indicator flashing)	Move the vehicle to an open area with a clear sky view. GNSS signal may be weak or unavailable in tunnels, underground parking, or between tall buildings.
9. ADAS / DMS functions not working	Ensure vehicle speed exceeds the activation threshold. Check camera connections, installation angles, lens cleanliness, and AI calibration settings.
10. Platform does not receive alerts	Confirm event types are enabled on the platform and verify network connectivity between device and server.
11. Device overheating during operation	High processing load from AI algorithms may cause the housing and heat sink to become warm. This is normal. Do not touch the heat sink during operation.
12. Camera angle becomes loose after adjustment	Please make sure that the anti-loosening locking knob at the camera lens adjustment point is securely tightened.
13. Other issues	Restore factory settings and reconfigure the device. If the issue persists, contact technical support or your local distributor.

8. After-Sales Service Policy

Important Notice

To support continuous product improvement, specifications, features, software, and hardware may be updated without prior notice. The appearance, color, and configuration of the product are subject to the actual product delivered.

This warranty applies to the repair, replacement, or return of products identified by their unique IMEI number. Please keep the original proof of purchase in a safe place, as they may be required when requesting warranty service.

Warranty Coverage

For defects caused by non-human factors under normal use conditions, the product is covered by a one-year limited warranty from the date of purchase.

Warranty Exclusions

Repair services may be provided on a chargeable basis under any of the following circumstances:

1. The warranty period has expired.
2. The warranty card, proof of purchase, or other valid purchase documentation cannot be provided.
3. The product or its accessories are outside the applicable warranty period.
4. Damage caused by unauthorized repair, modification, disassembly, misuse, accident, impact, liquid ingress, improper installation, or incorrect power supply voltage.
5. The product label, serial number, IMEI, or anti-counterfeit label has been removed, altered, damaged, or is illegible.
6. Damage resulting from installation, operation, or maintenance that does not comply with the instructions in this manual.
7. Damage caused by force majeure events, including but not limited to fire, flood, lightning, earthquake, or other natural disasters.
8. The product model does not match the information recorded on the warranty documentation, or the warranty documentation has been altered.
9. Any other damage resulting from circumstances beyond the manufacturer's reasonable control.