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1 Usage Caution

1.1 Warning

- (1) The dangerous driving alerts issued by the active safety Al device are only voice alerts, which cannot replace the driver's driving decision and operation;
- (2) The dangerous driving alerts issued by the active safety AI device are developed based on computer vision and deep learning technology, which cannot guarantee 100% recognition accuracy. For example, under different road conditions and weather conditions, the accuracy rate of obstacle recognition is different.
- (3) This device is intended to enhance the situational awareness when used properly. If used improperly, you could become distracted by the display, which could lead to an accident causing serious personal injury or death. DO NOT seek to access the information stored on the device or change the device settings whilst driving. The device should only be operated when your vehicle is stationary, and you are parked in a safe place in compliance with local laws. Always maintain awareness of your surroundings and do not stare at the display or become distracted by the display. Focusing on the display could cause you to miss obstacles or hazards. Use the device at your own risk.
- (4) When installing the device in a vehicle, do not place the device where it obstructs the driver's view of the road or interferes with vehicle operating controls, such as the steering wheel, foot pedals, or transmission levers. Do not place unsecured on the vehicle dashboard. Do not place the device in front of or above any airbag.
- (5) Video playback upon devices with display which are visible to the driver, is prohibited or restricted in some countries or States. Please adhere to these laws.

1.2 Maintenance Precautions

- (1) Please keep the device dry. Do not let the device and cable stay in humid environment, or operate the device with wet hands, so as to avoid short-circuiting of the device, failures caused by corrosion, and electric shocks to personnel.
- (2) Do not subject the device to strong impact or vibration, so as not to cause device failure.
- (3) Do not place the device and power supply under too high or too low temperature, otherwise it may cause the device failure;
- (4) Do not hit, throw, or needle the device, and avoid dropping or squeezing the device.
- (5) Do not use unofficial approved or provided power and data cables.
- (6) Do not disassemble the device and accessories without authorization, otherwise the device and accessories will not be covered by the warranty.

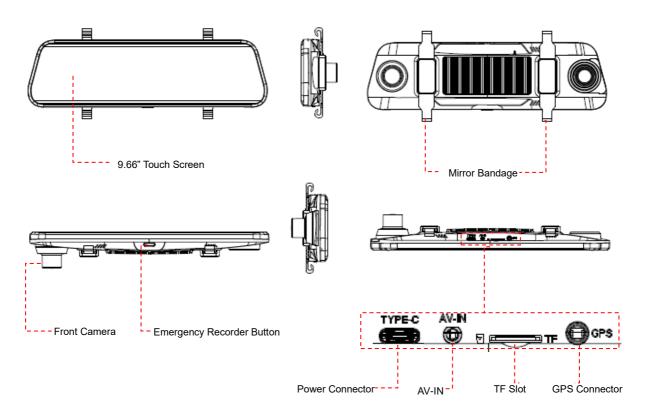
2 Product Introduction

2.1 Product Feature

- (1) True 2k wide vision, 2560×1440P resolution, high-definition recording, to capture every subtle detail of the driving process.
- (2) Wide Dynamic Recognition (WDR): Clearly record details in both highlights and shadows, even in extremely strong light and dark contrasts.
- (3) Full-screen Mirror: Enable the driver to watch clear image of rear view.
- (4) Super Night-Vision Mode: Capture clear image even in the dark night.
- (5) Advanced Driving Assistance System (ADAS): Sensing the surrounding environment of the vehicle, real-time voice reminding safe driving, reminding the front car collision, front car start, lane departure, pedestrian collision, for safe driving escort.

- (6) Lane Change Assistance (LCA): Monitors the driver's blind spot behind the vehicle; warns the driver when another vehicle poses a danger to the vehicle's lane change.
- (7) Rear Collision Warning (RCW): Real-time monitor the rear of the car, and issue a warning message when the rear collision may occur, always ensure the rear safety for the user.
- (8) Equipped with a 3-axis accelerometer to precisely sense vehicle movement or impact. In the case of emergency braking and collisions, the crash video is saved separately.
- (9) Multi-camera support: Can be connected to front and rear cameras for full security protection.
- (10) Wide Angle 135°: 135° FOV enables camera to easily capture multiple lanes and reduce shooting blind spots.
- (11) Start simultaneously: the camera will automatically start recording after the vehicle is started, and the camera will automatically shut off after the engine is turned off.
- (12) Parking mode recording: Parking mode recording function (optional buck line required), can ensure vehicle safety while parking.

2.2 Product Overview



Al Streaming Rear Mirror (Front Camera)

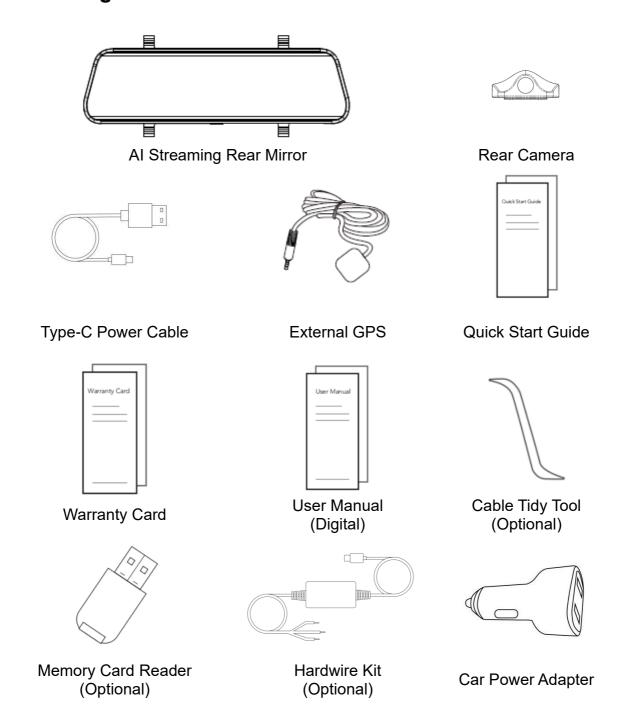


Rear Camera

2.3 Product Specification

Item	Description
GPS	External GPS Module
WIFI	Support
Screen	9.66" Touch Screen Resolution: 1920*480
Built-in G-sensor	Impact detection
Memory Card	External Memory Card (16 to 512GB Card in FAT32 or exFAT, C10/U1)
Angle / Aperture	Front Camera: F1.8, FOV 130° Rear Camera: F1.8, FOV 135°
Recording Resolution	4MP@25FPS; 2MP@25FPS;
Recording Format	MP4
Voice Command	Support

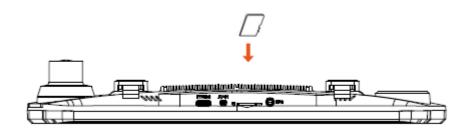
2.4 Package Contents



3 Installation

3.1 Insert the Memory Card

Insert a suitable Memory card (16G-512G, FAT32 or exFAT / C10/ U1) in to the Al Streaming Rear Mirror. Push the memory card until it clicks into place(The text side of the memory card is oriented in the same direction as the screen). Please make sure to use a memory card of C10/U1 level or above, otherwise it may cause device abnormalities.



Insert the Memory Card

Note: Do not remove or insert the memory card while the power is on, as this may damage the card or the video content therein.

3.2 In Vehicle installation - Al Streaming Rear Mirror (Front Camera)

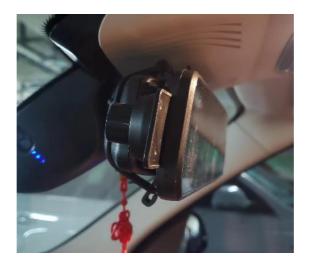
(1) Place the AI Streaming Rear Mirror in front of the rear-view mirror, then pull the mirror bandage.



(2) Buckle the mirror bandage onto the fixing slot of the AI Streaming Rear Mirrorr.



(3) Adjust the Al Streaming Rear Mirror and front camera.



Note: Recommend to make the camera capture an image with both the sky and the ground **equally** (50% is the sky and 50% is the ground).

3.3 In Vehicle installation - Rear Camera

(1) Fix rear camera.

Highly recommend going to a garage to install rear camera. There are two recommended installation locations:

a) Outside the vehicle.

Need to fix rear camera on the vehicle with screws. Recommend seeking garage's help. The recommended installation location is as below picture.



b) Inside the vehicle.

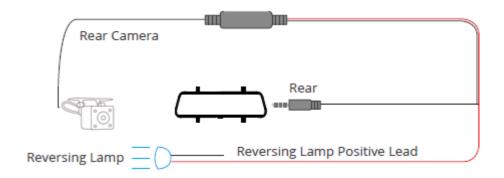
Select a proper mounting location on rear windshield, wipe the location area clean with a lint-free cloth. The windshield must be free of dust, wax, oils, or coatings. Then remove the cover layer to expose the 3M adhesive surface; Ensure that the view captured is desired field; Firmly place the mount on the mounting location of windshield for 30 seconds.



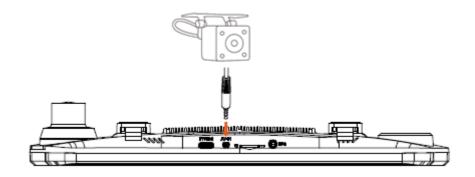
Note: The included rear camera cable is designed to be routed out of sight, and it can be hided along or behind the trim or headline.

(2) Connect the reversing lamp positive lead.

The location of reversing lamp positive lead depends on different vehicle models. Recommend seeking garage's help.



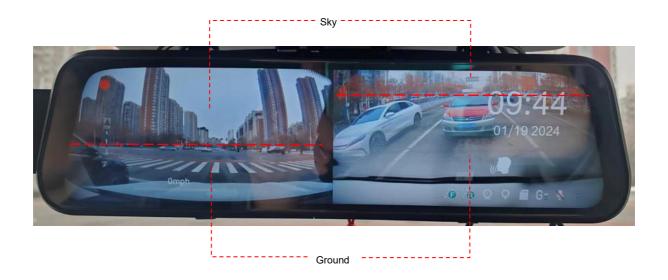
(3) Route the rear camera cable and plug another end of cable into the Al Streaming Rear Mirrorr.



Plug into the Al Streaming Rear Mirrorr

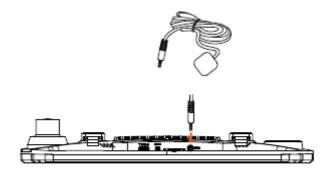
(4) Adjust the rear camera.

Recommend to make the camera capture an image with 10-20% sky and 80-90% ground, as below picture (front view in the left, rear view in the right).



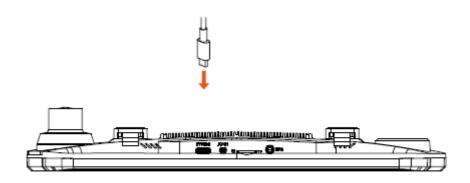
3.4 Connect GPS Module

- (1) Select a proper mounting location on the end of the center console (under front windshield), wipe the location area clean. Then remove the cover layer to expose the 3M adhesive surface; firmly place the GPS module on the mounting location. The side without 3M adhesive faces upwards.
- (2) Route the GPS cable and plug another end of cable into the Al Streaming Rear Mirrorr.



3.5 Connect car power cable

(1) Plug the power cable into the Type-C connector of the Al Streaming Rear Mirrorr.



Power cable plugin

(2) Route the power cable and hide the power cable along or behind the trim or headline to make sure the view of driver unobstructed. Plug the car power adapter into the DC-12V outlet of your vehicle.

3.6 ACC Connecting Method (Using optional Hardwire-kit)

Warning: Please make sure the power line is accurately connected before starting the power supply. Improper connection of the ACC cable may cause damage to the

car battery by power loss.

(1) Open the car fuse box

The car fuse box is generally located under the center console, and the location of the power supply is different for different models. Picture below shows the left side of the car steering wheel or inside the glove box;



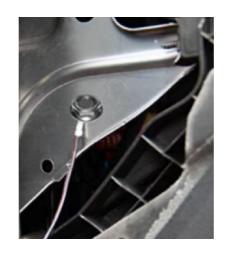
(2) Find the constant power and ACC

Check the description of the car fuse box to determine the position of the constant power and ACC, or use the electric pen to detect when the car is turned off: the light on is the constant power (parking monitoring mode), the light off is the ACC (Automatically start-stop with the car ignition), as shown in picture below;



(3) Wire Connections

The wire should be wound around the car fuse and inserted back. The yellow wire is connected to the constant power, and the red wire is connected to the ACC, as shown below;



Device cable	Vehicle
B+(yellow)	Battery Constant Power
ACC_IN(red)	ACC
PWR-(black)	Battery Negative(Ground)

Note: After the car engine is shut off or the ACC (Auxiliary Power) is disconnected, the Al Streaming Rear Mirrorr will continue to operate for an **additional 3 minutes before shutting down**.

Please ensure to restart the vehicle only after 10 seconds post the complete shutdown of the device to allow Al Streaming Rear Mirrorr to reboot properly. Restarting the vehicle within 10 seconds may prevent the device from waking up.

4 AI Functions

4.1 Auto-calibration

When T600 works on a running vehicle for the first time, it will turn on the auto-calibration function. The calibration will complete in about 5 minutes when the following conditions are met.

(1) Driving on a straight, level road with clear lane lines.

- (2) The vehicle speed is more than 20km/h;
- (3) There are few vehicles on the road.
- (4) Try not to change lanes.

After the calibration, the calibration icons on the status bar will be check. The first calibration may take a long time, please be patient. After the first calibration is completed, the device will continue to learn and adjust.



4.2 Lane Departure Warning

When current vehicle speed>60km/h and the lane-center-driving vehicle state is changing to across the lane, the AI system will issue related sound alert to driver and display alert icon on the AI Streaming Rear Mirrorr screen.



Note: Normal lane changing will also trigger this warning, this alarm can be turned off in the AI function settings.

4.3 Forward Collision Warning

When current vehicle speed>30km/h and the Time to Collision(TTC) between the vehicle and the vehicle ahead is less than 2.7s, the AI system will issue related sound alert to driver and display alert icon on the AI Streaming Rear Mirrorr screen.



4.4 Virtual Bumper

When $\frac{\text{The distance between the vehicle and the vehicle ahead}}{\text{Current vehicle speed}} < 0.7 \text{s}$, and 30 km/h > Current vehicle speed>1km/h, the AI system will issue related sound alert to driver and display alert icon on the AI Streaming Rear Mirrorr screen.



4.5 Pedestrian Collision Warning

When $\frac{\text{The distance between the vehicle and the pedestrian ahead}}{\text{Current vehicle speed}} < 1.2s$, and 60 km/h > Current vehicle speed > 1 km/h, the AI system will issue related sound alert to driver and display alert icon on the AI Streaming Rear Mirrorr screen.



4.6 Stop & Go

When the vehicle stops for more than 5s and the vehicle ahead (within 6-meter distance) continues to driving away for more than 1s, the Al system will issue related sound alert to driver and display alert icon on the Al Streaming Rear Mirrorr screen.



4.7 Lane Changing Assistance

Level 1 Alert: If the velocity of vehicle > 10km/h, while another vehicle (within 7-meter distance) is approaching from the rear-side lane, the Al alert will be triggered.

- (1) The yellow indicator light will be solid on to remind the driver. The faster the speed, the farther the alarm can be triggered, up to 12.5 meters.
- (2) When there is a car on your left rear, the yellow indicator light on the left side will be on, and when there is a car on your right rear, the yellow indicator light on the right side will be on.



Level 2 Alert: If the velocity of vehicle > 30km/h with its outer edge of wheel less than 10 cm from the lane line, another vehicle (within 7-meter distance) is approaching from the rear-side lane at the same time, the Al alert will be triggered.

- (1) the related red indicator light (left or right side) will be solid on;
- (2) the sound alert will be issued every 3s;
- (3) the alert Icon will display on the AI Streaming Rear Mirrorr screen. The faster the speed, the farther the alarm can be triggered, up to 12.5 meters.





Note: This alarm will be triggered by a car on the left rear or right rear even when you have no intention to change lanes. This alarm can be turned off in the AI function settings.

4.8 Rear Collision Warning

If the on-driving vehicle > 30km/h, the Time to Collision(TTC) between the vehicle and the vehicle behind is less than 2.7s, the AI system will issue related sound alert to driver and display alert icon on the AI Streaming Rear Mirrorr screen.



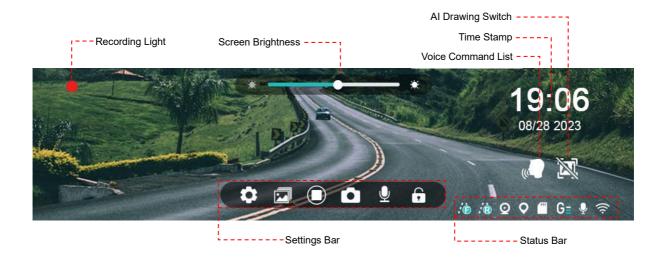
4.9 Rear Pedestrian Warning

When the distance between the vehicle and the pedestrian behind<2m, and current vehicle speed<10km/h, the AI system will issue related sound alert to driver and display alert icon on the AI Streaming Rear Mirrorr screen.

ADAS



5 Interface Instruction



5.1 Status Bar

(1) Al calibration status



(2) Rear camera status



(3) GPS status



(4) Memory card Status



(5) G-sensor sensitivity Status



(6) Audio recording status

Mic on	Mic off
--------	---------

(7) WIFI status



5.2 Settings Bar

Touch the screen once, the settings bar will appear.

Touch **t** to enter the settings menu.

Touch **t** to enter the playback mode.

Touch to stop or start recording.

Touch to take a picture of both front and rear camera.

Touch uto turn on or turn off audio recording.

Touch to take an emergency recording.

5.3 Screen view switching

Slide the screen horizontally to switch screens. The order of switching screens is as follows:

(1) Rear camera view (default).

To prevent distortion, the image is vertically cropped 44% area from the full camera view.

(2) Front camera view.

To prevent distortion, the image is vertically cropped 44% area from the full camera view.

(3) The front and rear side-by-side view.

This screen view displays the full camera view.



(4) Backup camera view

Backup camera view is different from (1), it is for assisting the driver to back a car. The screen cannot switch to backup camera view by slide the screen. The screen will switch to backup camera view automatically if AI Streaming Rear Mirrorr is connected to the reversing lamp positive lead and the vehicle is shifted into reverse gear.

6 Recording

Front camera default as 2K@25fps, able to set as 1080P@25fps. Rear camera default as 1080P, not settable. The AI Streaming Rear Mirrorr supports loop recording to allow continuous recording by replacing the oldest files with the new content.

Note: If the rear camera is not connected, the rear camera recording will not be recorded.

6.1 Normal recording

After the vehicle is started, the Al Streaming Rear Mirrorr automatically turns on and starts recording. After the vehicle is turned off, the recording will stop automatically.

Note: Recording red light (in the top-left of the screen) flashing means the Al Streaming Rear Mirrorr is recording.

Audio recording is default off, but able to turn on by switching.



6.2 Emergency Recording

Emergency recording starts working under 3 conditions as below:

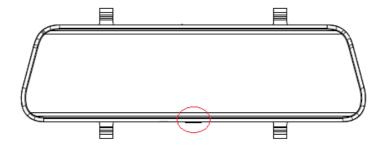
(1) Impact detected (G-Sensor)

- If the AI Streaming Rear Mirrorr detect an impact whilst normal recording, it will start emergency recording.
- If G-Sensor sensitivity is set as [high sensitivity], even slight impact would be detected.
- If G-Sensor sensitivity is set as [medium sensitivity (default)], only medium impact would be detected.
- If G-Sensor sensitivity is set as [low sensitivity], only heavy impact would be detected.

(2) Manual emergency recording: Touch in the settings bar

(3) Manual emergency recording: Pushing the emergency button

Pushing the emergency button can start emergency recording whilst under the normal recording mode.



Emergency Recording Button

Note: The screen displays the icon, which is on the process of emergency recording for 20s recording file.



6.3 Parking Mode Recording

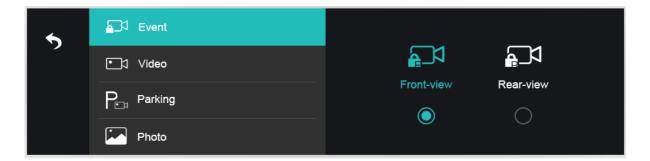
After the Parking Mode Recording feature is activated, if the car is subjected to a collision or impact when the engine is off, it will power on and record an Event video for 20 seconds before shutting down.

Note: Parking mode is available only when equipped with the Hardwire Kit (optional).

7 Playback mode

Touching can enter the playback mode, then touch the corresponding icon to choose the file type: Event / Video / Parking / Photo.

(1) Each type has 2 channel files: Front view and Rear view.



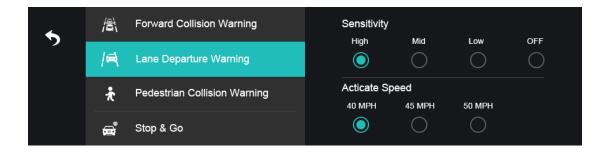
- (2) The Al Streaming Rear Mirrorr supports loop recording to allow continuous recording by replacing the oldest files with the new content.
- (3) The playback progress adopts the forward timing method, and the file duration remains unchanged.
- (4) Push [$\times 1$]to change the speed by 1X, 2X, 4X, 8X on a loop.

8 Settings

Touch to enter the settings menu.

8.1 Driver Assistance

Eight Functions: Lane Departure Warning, Forward Collision Warning, Pedestrian Collision Warning, Stop & Go, Virtual Bumper, Rear Collision Warning, Lane Change Assistance, Rear Pedestrian Warning. These Al functions are turned on by default and their activate speed and sensitivity can be adjusted.



8.2 Media Setting

Key tone, video volume, startup sound, alarm sound, anti-flicker, date stamp are settable.

8.2 Video Setting

- (1) Front camera recording resolution, loop recording duration time and audio recording are settable.
- (2) G-sensor sensitivity setting: G-sensor support impact motion. When detect an impact, the AI Streaming Rear Mirrorr can start emergency recording

with both cameras.

(3) Parking Mode: default as turn off. Able to turn on by working with extra Hardwire Kit.

8.4 System Setting

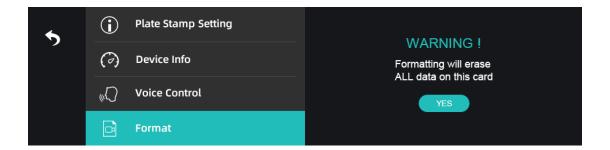
8.4.1 General settings

Screen save, time zone, date format, plate stamp setting, speed unit and language are settable.

8.4.2 Format the Memory card

The memory card may need to be formatted in the following situations.

(1) If the Al Streaming Rear Mirrorr can't work properly after changing a new memory card, please format the memory card.



(2) When the Memory card isn't FAT32 or exFAT, please change a new memory card FAT32 or exFAT.

8.4.3 Default Settings

Factory Default Settings is an option that restores all settings of the Al Streaming Rear Mirrorr to factory settings.

8.4.4 System Update

Copy the latest version to the root directory of memory card. Then reboot the Al Streaming Rear Mirrorr, and touch "system update". Keep the power on until the update is complete.

8.4.5 Voice Control

You can enable or disable the Voice Control feature.

Touch in the interface of the screen, you'll find a list of specific voice instructions that the system can recognize.



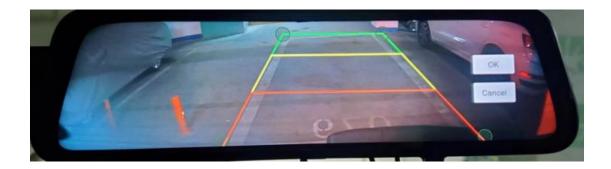
- (1) Take photo: The Al Streaming Rear Mirrorr will capture a real-time photo.
- (2) Lock Video: The Al Streaming Rear Mirrorr will record a 20-second event video and lock it for safekeeping.
- (3) Turn on the mic: Activate audio recording for video recording. Playback videos will include audio.
- (4) Turn off the mic: Deactivate sound recording for video recording. Playback videos will be silent.
- (5) Turn on screen: The Al Streaming Rear Mirrorr will illuminate the screen backlight.

- (6) Turn off screen: The Al Streaming Rear Mirrorr will dim the screen backlight.
- (7) Front View: The AI Streaming Rear Mirrorr's screen will display the footage captured by the front camera.
- (8) Rear View: The Al Streaming Rear Mirrorr's screen will display the footage captured by the rear camera.
- (9) All View: The Al Streaming Rear Mirrorr will simultaneously display footage from both the front and rear cameras.

8.4.6 Reserving Line

You can touch the 4 corners to adjust the reserving line area. Green line means safe area. Yellow line means attention area. Red line means dangerous area.

You can slide the screen vertically to choose a proper view for backup camera view.



When there are obstacles in the yellow line area, you can continue reversing, but pay attention. When there are obstacles in the red line area, you should stop reversing.

8.5 About

Show the device information, system version number, warning terms and etc.

9 Simple troubleshooting

Trouble	Solution
The recording is disabled	Please use a FAT32 or exFAT, read / write speed ≥ C10/U1 memory card.
The loop recording is disabled	Please check the space of memory card is enough for recording. Please format the memory card if no enough space.
The recording is blurry	Please tear off the film on camera lens and clean up the lens and windshield.
The recording has no audio	Please make sure you turn on the audio.
The AI Streaming Rear Mirrorr is over temperature	When the AI Streaming Rear Mirrorr is working at 2K, it's normal to get a little hot around the AI Streaming Rear Mirrorr and Memory card port.
Recording files on the memory card can't display on the computer	Please change a new video player to display. If still unworkable, maybe the memory card get damaged, please try to format it or change a new one.
Others	If troubles above still can't be solved, please restore all settings to the factory settings or contact a local technical to support.

10 FCC regulatory conformance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a **Class B** digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- -Connect the equipment into an outlet on a circuit different from that to which

the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.