AI Collision Avoidance Dash Camera

UTOUR

Welcome to AI Collision Avoidance Dash Camera

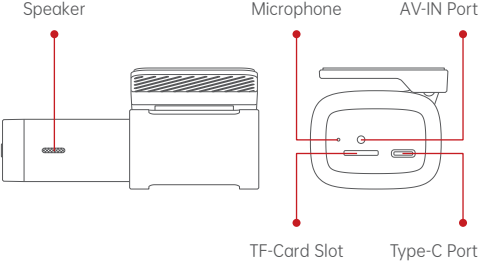
1.Please use the mobile APP "UTOUR International" to complete product operation and configuration.

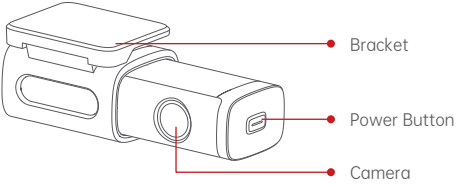
2.You can scan the QR code on the right or search "UTOUR International" in iOS / Android App Store to download and install it.

3.Follow the directions of the APP, you can connect to theAI Collision AvoidanceDash Camera for settings.

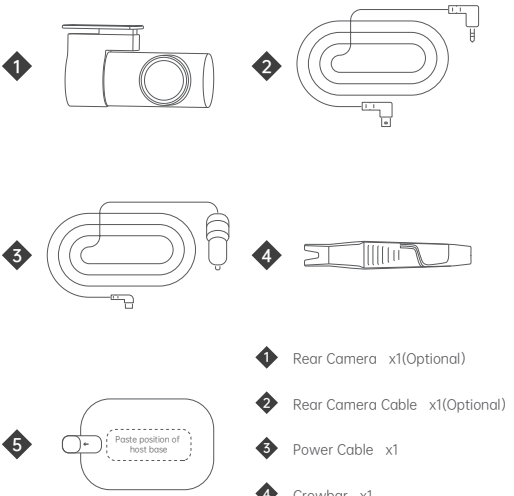
Product Overview and Package Contents

Main unit





Components



1. Rear Camera x1(Optional)
2. Rear Camera Cable x1(Optional)
3. Power Cable x1
4. Crowbar x1
5. Electrostatic Sticker x2

Installation Guide

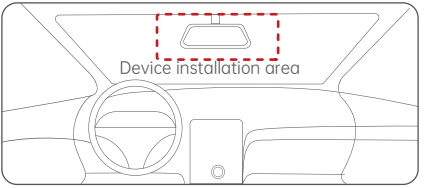
Search "Spedal" on YouTube or scan the QR code to see the installation video. It is easier to get started.

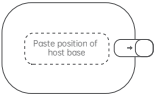
Please use the product according to the instructions in the user guide.

◆ Step 1

Install the electrostatic sticker.

Clean your windshield and put the electrostatic sticker on the recommended area as shown in the figure. Avoid the edge of the windshield and select the flat and smooth area for the installation. Make sure you remove air bubbles between the sticker and the glass.



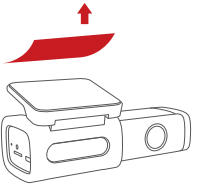


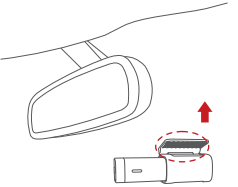
Paste the Rear camera on the glass- paste the rear camera on the rear windshield.

◆ Step 2

Stick the camera mount to the windshield.

1. Insert a TF card into the card slot.
2. Remove the protective film of 3M glue from the back of the bracket, and paste the bracket onto the electrostatic sticker in the dotted area. Press the bracket to make sure it is firmly attached to the electrostatic sticker.





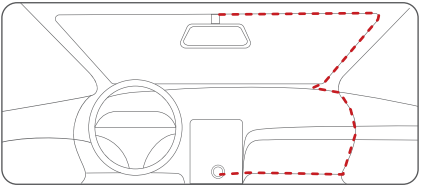
◆ Step 3

Connecting the power supply.

1. As shown in the figure, run the power cord along the top of the windshield, down the A-pillar, and around the glove compartment, so that the power connector is near the cigarette lighter. Connect the power cable to the car charger, then plug the charger into the cigarette lighter socket.

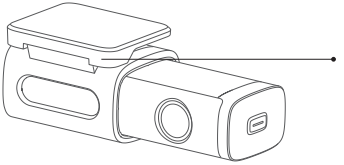
2. Connect the rear camera to the Rear camera cable, and insert the other end into the AV-IN port of the device; Paste the Rear Camera on the glass. Please tear off the rear camera lens protective film before Note: Depending on the vehicle, the cigarette lighter socket may be located in a different position. The figure provided is for reference only.

Warm Tip: Depending on the vehicle, the cigarette lighter socket may be located in a different position. The figure provided is for reference only.



◆ Step 4

Please turn the device up or down to make it face forward horizontally.



Start the car, the product will automatically turn on, and a power-on prompt sound will be issued, and the continuous video storage will begin. Please use the mobile APP to complete the screen adjustment and personalized configuration.

Warm Tip: If you purchase a parking monitoring cable separately, please refer to the installation guide in the parking monitoring cable package to install.

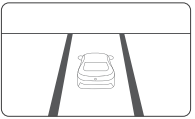
Activate Anti-Collision Functions

◆ Step 1

Authorize Connection

1. While the device is on, add your UTOUR AI Collision Avoidance Dash Cam in the APP "Device" page --- click the "+" button.
2. In the Wi-Fi list, select the Wi-Fi with the name like "UTOUR-Device ID" to connect, and the default password is 12345678 (Device ID can be viewed at the bottom of the package). If your Android phone pops up a prompt box asking whether to continue using the wireless network, please select Continue.

3.When the connection is done, the device will ask for user authorization to ensure APP-to-Device communication security. Click the button on the top of the monitor or enter the voice verification code.



◆ Step 2

APP Activation

1.The width of different car models will affect the AI anti-collision algorithm's prediction of all collision risks. Please select your car type (for more accurate model selection, please optimize through the "anti-collision setting").

2.The horizontal distance between the camera and the central axisof the windshield determines the accuracy of AI anti-collision algorithm to construct ground models. Please use the scale line at the bottom of this manual for measurement.

3.The APP provides a real-time image for adjustment preview. Youcan confirm it according to the relevant operation guidelines, and the anti-collision functions will be activated upon completion.

4.After the anti-collision function is activated, it is required to complete more accurate adjustment calculation by collecting data on a specific road environment. You need to keep the vehicle speed of more than 30km/h on a horizontal road with clear lane lines on both sides, and drive for 3-5 minutes without changing lanes. Then wait for its accurate adjustment to be completed in the following normal driving.

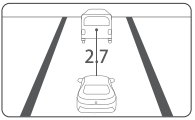
Important Note: If objects with strong reflection and whiter light (such as paper towels and decorations) are placed on the dashboard, they may cause interference to the algorithm in some driving scenes and affect your experience. Please be sure to avoid them.

Anti-Collision Functions Setting

Through "Device" Page - "Anti-Collision Settings", you can enter to set various parameters of the anti-collision functions.

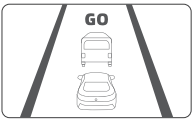
Forward Collision Warning / Headway Monitoring Warning / Urban Forward Collision Warning

Ensure that the car is at a safe distance from the front car in all scenes.



Stop & Go

Remind you to start when the front car leaves on a congested road.



Emergent Collision Warning

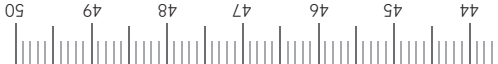
Start recording when a collision is detected.

Warm Tip: In order to obtain a more accurate and safe driving experience, you can further improve the vehicle model data, reset the installation distance parameters, or re-adjust the image when the camera offset is too large.

Instructions For Use

Voice Command

Control the machine through quick voice commands, such as: Take a picture, Turn off the recording, etc.



Video Preview / Playback / Share

After completing the anti-collision functions settings, the APP will automatically enter the home page of "Device ", which can preview the current real-time image, playback video in the previous 2 hours,or enter the photo album to view all driving record videos.

Warm Tip: The files saved in the device can be viewed, downloaded and shared through home page "Device "- "Device Album".

Note: If the relevant functions of the product do not match the instructions, it is the reason for the version upgrade, and the actual version shall prevail.

Safety Notice

Before using UTOUR AI Collision Avoidance Dash Cam, please read the following safety notice carefully and take appropriate safety precautions. When you install the UTOUR AI Collision Avoidance Dash Cam on the car, it means that you are aware of the following conditions and agree to use this product in accordance with the instructions.

1. UTOUR AI Collision Avoidance Dash Cam is an advanced driving assistance system (ADAS) that can provide warnings to drivers in some potentially dangerous situations, but it is not an automatic driving system and cannot replace drivers to control cars under any circumstances. Drivers must always be awake and cautious, strictly abide by traffic rules and regulations, and ensure driving safety by themselves. Even when watching the monitor display or pressing the monitor button, all attention should be paid to driving.

2. UTOUR AI Collision Avoidance Dash Cam uses the world's leading computer vision and deep-learning technology, but we can not guarantee the complete and accurate identification of all vehicles, pedestrians, lane lines or other traffic elements, nor can we guarantee to provide complete and accurate visual or sound warning.

3. External matters (e. g. stains, oil stains, water stains, dust, fingerprints, etc.) on the surfaces of car windshield and camera may cause some anti-collision functions failure. Please keep both the windshield and camera surface clean and dry to ensure clear vision of the camera. Do not touch or play with the camera at will.

4. Self-luminous/strongly-reflective/high-brightness objects (e. g. white paper, plastic bags, metal/ceramic/glass products, etc.) placed on the top of the dashboard may reflect images on the windshield, interfere with camera vision and cause some anti-collision functions failure.

5. Some bad weather may cause some anti-collision functions failure, including but not limited to: rain, snow, fog, haze, dust, typhoon, tornado, extreme cold and hot.

6. Some bad lighting conditions may cause some anti-collision functions failure, including but not limited to: backlighting, tunnels, culverts, forests and other scenes with insufficient lighting, and scenes with strong light such as high beam, spotlight, laser, flame, explosion, etc.

7. Some poor road conditions may affect the intelligent adjustment and lane departure warning device of the UTOUR AI Collision Avoidance Dash Cam, including but not limited to: lane markings that do not meet the standards, severely worn lane markings, and soil/snow/ lane signs covered by foreign objects such as stagnant water.

8. Some special types of vehicles may not be accurately identified by UTOUR AI Collision Avoidance Dash Cam, including but not limited to: military vehicles, ancient vehicles, exotic vehicles, exotic painting vehicles, special engineering vehicles, trailers loaded with special shaped items, and passing vehicles.

9. Some people with special postures or special shaped clothes may not be accurately identified by UTOUR AI Collision Avoidance Dash Cam, including but not limited to: people wearing low-visibility clothing such as camouflage uniform, people in special postures such as squatting/kneeling/lying down, people performing sports movements such as dance/martial arts/gymnastics/yoga, and people riding horse or taking special transportation such as carriage.

10. The sudden appearance of unknown objects in the field of vision may cause some anti-collision functions failure for a short time, including but not limited to balloons, drones, flying toys, balls and sporting goods, high-altitude parabolic and floating garbage.

11. By upgrading the version of AI anti-collision algorithm, the functional failure rate of the above special scenes will continue to decrease. Please refer to the actual experience.

12.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, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

"This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body."

Cautions

1. UTOUR does not bear any responsibilities to any loss caused by malfunction, information loss and improper operation of products.
2. Some functions may not work normally due to differences in vehicle conditions, driving behavior, driving environment, etc., and product functions may fail due to power off, abnormal temperature, collision, storage damage, etc.
3. Please pay attention to driving safety. The installation position of the device should not block the driving sight or affect vehicle settings such as airbags. Please do not debug the device or carry out APP operation during driving.
4. This product supports class10 high-speed memory cards with a maximum capacity of 128G. Please cut off the power supply before inserting or removing the memory card. Please use the high-quality memory cards purchased through regular suppliers. UTOUR does not bear any responsibilities to any loss caused by the quality of the memory cards.
5. The normal working temperature range of this product is -20℃~65℃. It is forbidden to use it out of the indicated temperature environment. Please do not touch the device main unit in high temperature environment to prevent scalding.
6. Please do not modify this product by yourself. Please use the standard components such as car charger and power cables to ensure normal working and avoid device damage, explosion or fire.
7. Please use this product within the scope permitted by law.

Specifications

Project	Specifications
Size	110mm x 40mm x 27mm
Material	PC plastic, PC+ABS plastic, Aluminum alloy
Operating Temp.	-20℃ ~ 65℃
Storage Temp.	-30℃ ~ 75℃
Working Input	12V / 1A

Performance Fault

Fault	Solution
TF card full	Format the TF card through the APP
TF card error	1. Format the TF card through the APP 2. Use a new genuine TF card
TF card not recognized	1. Format the TF card through the APP 2. Use a new genuine TF card
Can not boot	1. Check the power supply is connected 2. Boot test without inserting TF card
Crash	1. Remove the TF card and test to rule out the crash caused by the TF card 2. Unplug the power cord to force restart the machine

This manual is for reference only. Specific functions and product pictures may slightly differ from the actual ones. Please refer to the actual product.

UTOUR Official Website : www.utourtech.com

For any questions please contact : support@spedaltech.com