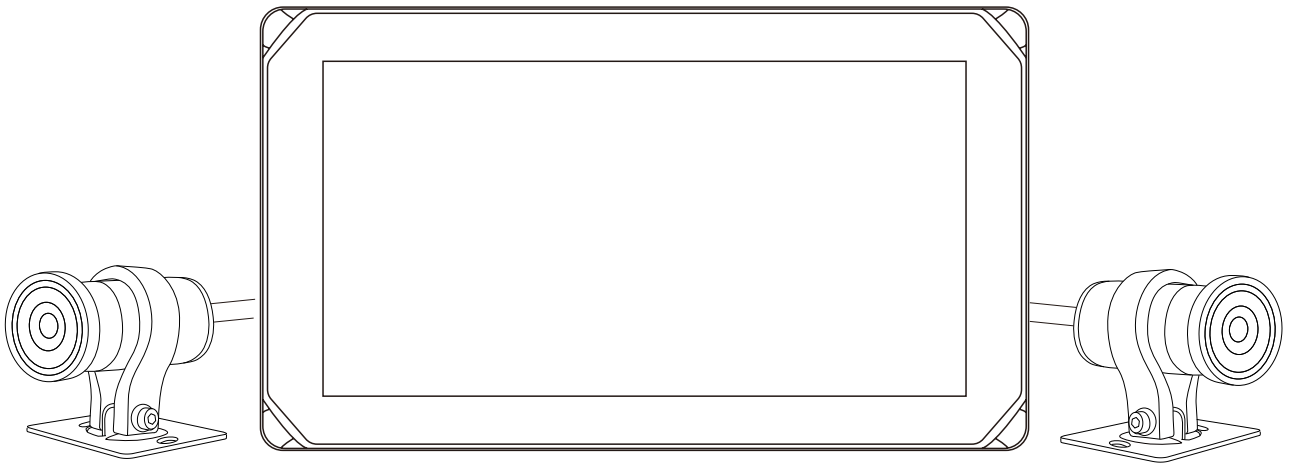




# MOTORCYCLE DASH CAM

## CS5 Pro USER MANUAL

Version 1.2



*Safe Driving, Smart Driving*



[support-us@vsysto.com](mailto:support-us@vsysto.com)



<https://www.facebook.com/szvsys>



<https://www.youtube.com/c/szvsys>

**Shenzhen V-SYS Technology Co.,Ltd.**

302, BUILDING A9, TIANRUI INDUSTRIAL PARK, NO. 35, FUYUAN FIRST ROAD,  
ZHANCHENG COMMUNITY, FUHAI STREET, BAO AN DISTRICT, SHENZHEN, CHINA

# Before using the product

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Before using this dash camera system, check your vehicle manual or consult a professional to ensure the installation meets local laws and is suitable for your vehicle.

This product records video while your motorcycle is in operation to assist with accident investigations and road events. However, it cannot guarantee that all incidents will be recorded due to varying conditions. Major impacts may cause battery voltage fluctuations or loosen the memory card, affecting recording results. Additionally, the dash camera with a display is intended to supplement, not replace, your standard rearview mirror or other vehicle mirrors. VSYSTO is not responsible for any losses caused by accidents and does not provide support regarding the outcome of such accidents.

## Important Safety Instructions

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- Ensure that the product is used within the specified voltage range to prevent electrical shock or device malfunction. Improper installation may result in electric shock or equipment failure.
- Do not operate or install this product with wet hands to avoid electrical failure.
- Avoid using or installing in high temperatures, high humidity, flammable, or explosive environments. Keep the device away from direct sunlight, excessive heat, water, and rain.
- Do not install the product in locations that may obstruct your driving view or affect driving safety.
- Avoid twisting cables or connectors and keep them away from high-voltage areas. For some vehicle models experiencing electromagnetic interference, consider replacing with a suitable R-value spark plug.
- For your safety, do not operate this device while driving. Always check your surroundings to ensure safety and use the device within the legal limits.
- Disconnect the power before inserting or removing the card. Remove the card if not using the product for a long time to protect its performance. Format the TF card weekly to ensure proper operation.
- Clean the screen and lens using a clean silicone cloth or other soft cloth. Avoid using abrasive materials or solvents such as paint thinner and alcohol, which may scratch the surface.
- The product may interfere with medical devices. Consult your physician and device manufacturer if needed.
- Do not disassemble or modify the device. If issues arise, after-sales service may not be available.
- Do not install, use, or place the product within reach of children under 16 years of age.
- Product specifications, UI, and features may change with updates. We cannot notify you individually

## Troubleshooting and Support

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- **Warranty Coverage:** The warranty applies to faults occurring under normal usage conditions and does not cover issues caused by abnormal use, disassembly, or modification.
- **Technical Support:** For installation issues or device malfunctions, refer to the user manual and contact customer support.

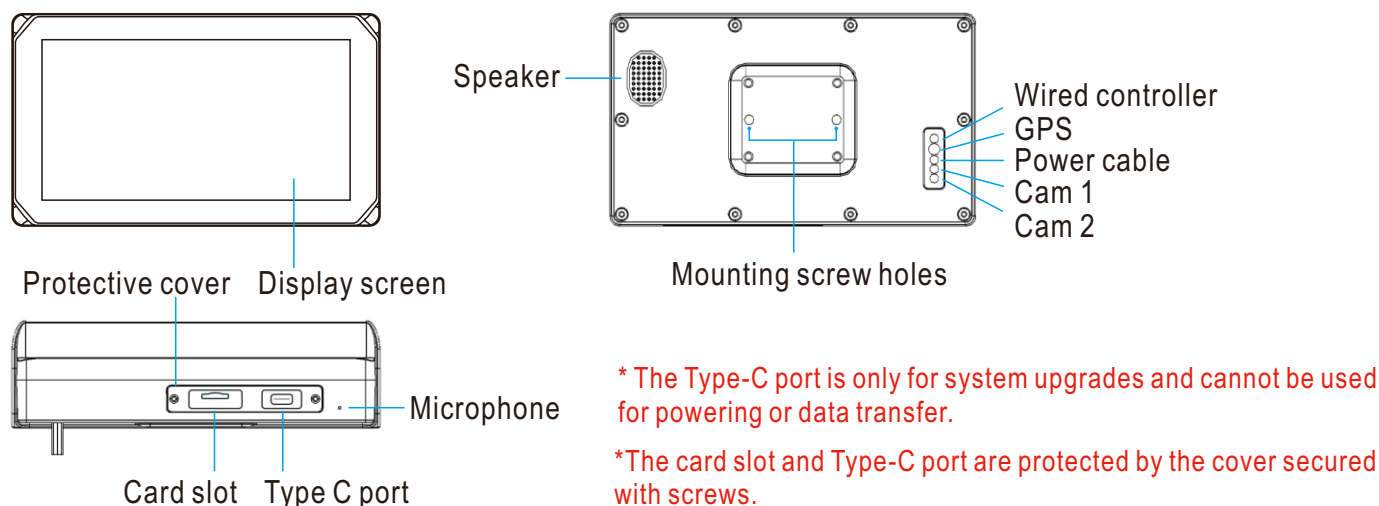
## Legal Compliance

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To prevent driver distraction, most jurisdictions prohibit viewing videos while the vehicle is in motion. The in-dash video function of this product is only available when the vehicle is parked. Please adhere to laws and regulations and use the device within the legal limits.

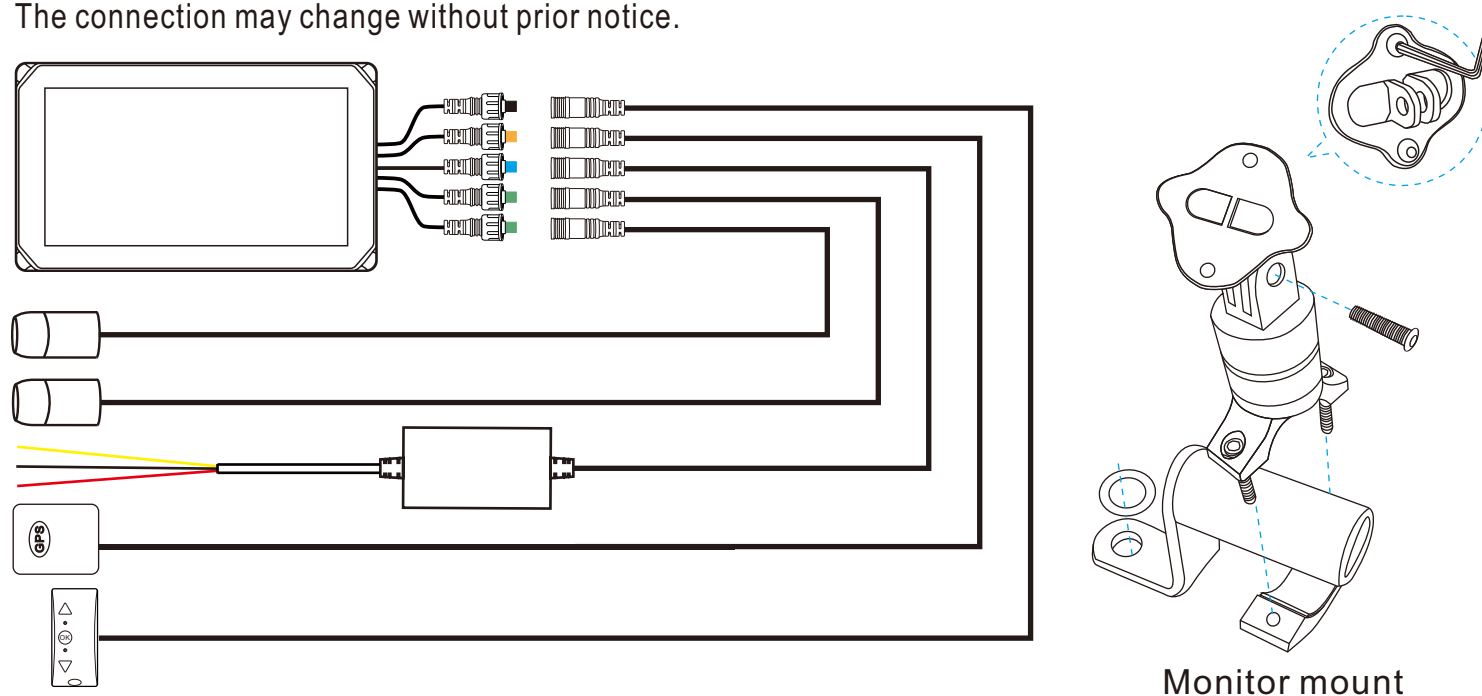
# Main unit structure

The product design may change without prior notice.



## Connection Diagram

The connection may change without prior notice.



## Getting Started

### Inserting a Memory Card

Unscrew and remove the protective cover, insert the memory card until it clicks, then replace the cover and tighten the screws. To remove the card, push it in to eject.

- Use a high-speed micro SD card (CLASS<sup>10</sup> or higher) and insert it in the correct direction.
- Avoid inserting or removing the card while the device is on to prevent damage.
- Format the card before first use and after collecting a lot of data to ensure smooth operation.

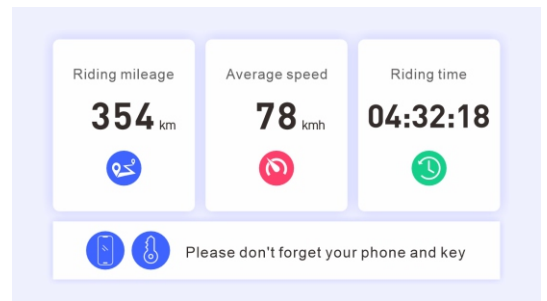
### Power On/Off

The dash cam will automatically turn on/off when the ignition switch is turned on/off if you have completed the correct installation.

**Shutdown Display Delay:** When the dash cam is connected to the bike's battery and ACC power using the included power cable, turning off the ignition will keep the screen displaying single-trip data for approximately 5 seconds before it turns off.

\*Single-trip ride data is cleared once the screen turns off.

\*This 5-second display delay does not occur when using USB power.



## Video Recording

**Normal Video Mode:** Both 2 cameras start simultaneous video recording automatically when power on and TF card is inserted. Recording stops automatically when the power is turned off.

### Emergency Video Mode:

- G-Sensor Event Recording: Automatically activates emergency recording mode when a collision is detected. The LED on the wired control will flash rapidly. The video files saved in this mode will be named “GSR 001,” “GSR 002,” etc.
- Manual Event Recording: Press the button on the wired remote to manually start emergency recording. The LED will flash quickly, and files will be named “KEY 001,” “KEY 002,” etc.
- Video cannot be saved if the TF card is not inserted or the card is defective.
- Up to 20 emergency video files (GSR\_XXX and KEY\_XXX) can be stored and protected from being overwritten. It starts overwriting the oldest emergency files after there are more than 20 files.

Video file name information: **REC\_220609-163256-00053F.MOV**

“**REC**” means normal video file

“**GSR**” files are automatic emergency recordings.

“**KEY**” files are manual emergency recordings.

“**220609**” means date June 9, 2022

“**163256**” means 16 o'clock 32min 56s

“**00053**” means video file No.

“**F**” means front camera video file

“**MOV**” means video file format

## Parking Mode

When an impact is detected while the bike is parked, both front and rear cameras will automatically record for 30 seconds. Recording then stops to conserve battery power.

\*This feature is enabled by default and cannot be manually turned off.

\*Under [DVR Setting Menu] > [Low Voltage Protection], you can set a voltage threshold between 11V and 12V. If the battery voltage drops below this set level, Parking Mode will automatically disable to prevent excessive battery drain.

\*The display screen will briefly turn on when Parking Mode recording is triggered by an impact.

## CarPlay & Android Auto

Tap the CarPlay or Android Auto icon to begin the connection process.

### CarPlay

1. Enable **Wi-Fi** and **Bluetooth** on your phone. In the Bluetooth menu, select the device starting with “**WSST\_XXX**” to pair.
2. For the first connection, you'll receive a Bluetooth pairing request on your phone. Tap **Pair**. You'll be asked to allow contacts and favorites sync—tap **Allow** for full functionality.
3. A pop-up will ask if you want to use CarPlay with “CS5 Pro”. Tap **Use CarPlay** to connect.
4. Your phone will automatically connect to the CS5 Pro and launch CarPlay.

For future connections, as long as Bluetooth and Wi-Fi are on, CarPlay will connect automatically.

## Android Auto

1. Enable **Wi-Fi and Bluetooth** on your phone. In the Bluetooth menu, select the device starting with “**WSST\_XXX**” to pair.
  2. After a few seconds, you’ll see a prompt to pair with “**WSST\_XXX**”. Tap **Pair**.
  3. Once paired, your phone will automatically connect to the CS5 Pro and launch Android Auto.
- For future connections, as long as Bluetooth and Wi-Fi are enabled, Android Auto will connect automatically.

**\*IMPORTANT:** If you're having trouble connecting to Android Auto, follow these steps:

- 1) Open the DVR Settings Menu (see the "Menu Description" section for instructions).
- 2) Select Reset Setup to reset the DVR.

## Wi-Fi Connection

Scan the QR code to download the wifi app and watch the setup video. You can use the WiFi app to preview and save videos, as well as adjust camera settings.

**WiFi Name:** VSYSTO-CS5-XXX

**Initial Password:** 1234567890

**IMPORTANT:** CarPlay and the Wi-Fi app cannot be used at the same time. The camera Wi-Fi (VSYSTO-CS5-XXX) and CarPlay Wi-Fi (WSST\_XXX) are different. Disconnect the Bluetooth connection before using the Wi-Fi app to ensure a stable connection.



iOS



Android

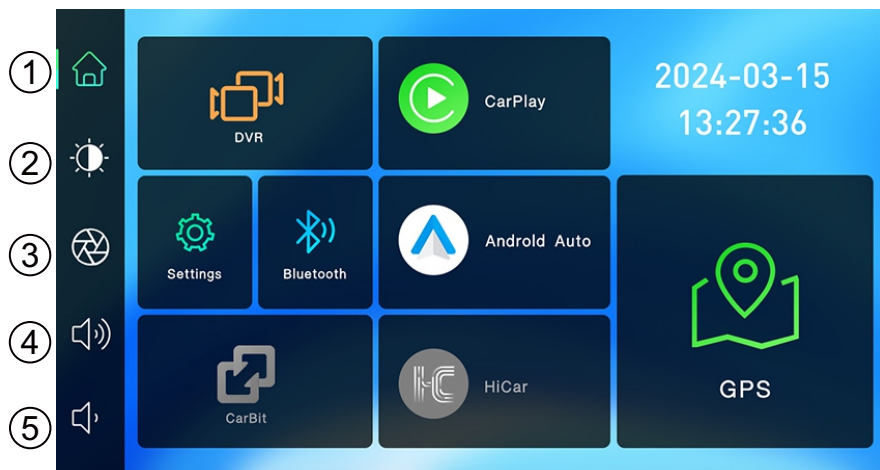


App Logo



Connection Guide

## Menu Description



**DVR:** Tap to access the dash cam video mode.

**Carplay:** Tap to enter CarPlay mode.

**Setting:** Tap to Adjust monitor parameters. Excludes DVR functions.

**Bluetooth:** Tap to view the device's Bluetooth settings and connections.

**Android Auto:** Tap to enter Android Auto mode.

**CarBit/HiCar:** Not available.

**GPS:** Tap to view speed, coordinates, altitude, atmospheric pressure, ambient temperature and bike battery voltage.

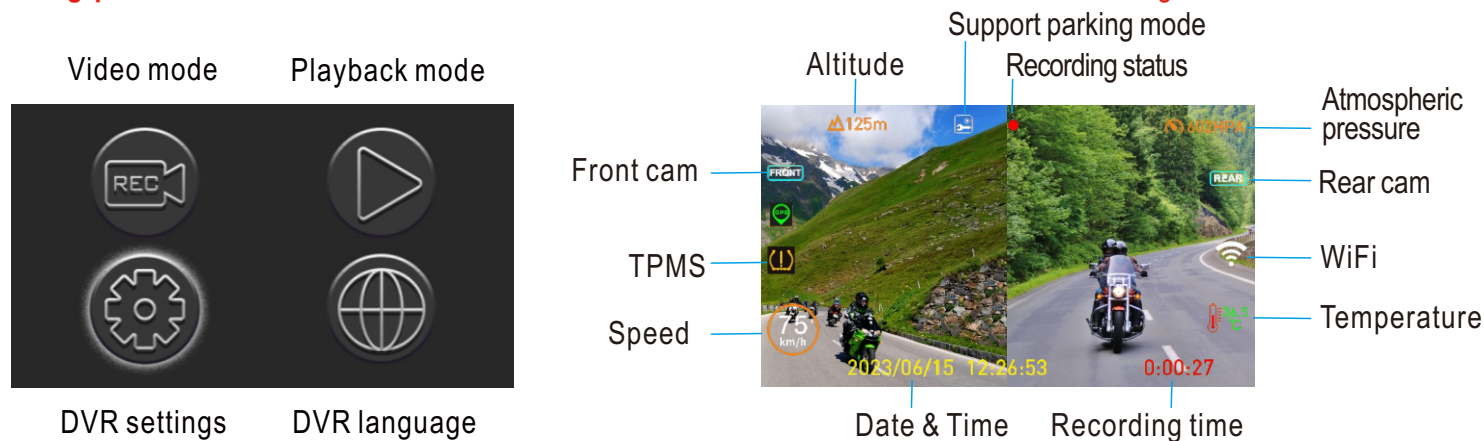
- ① Home Page    ② Brightness adjustment    ③ Camera preview    ④ ⑤ Volume up and down

## Monitor Setting Options

System	Set the screen display language	Dual BT connection	Enable/Disable phone sound reception
Bluetooth	Manage Bluetooth connections	FM Transmitter	Toggle FM transmitter on or off
Display	Adjust brightness (day/night)	About	System version; Update/reset system
Sound	Adjust Media/Navigation/Phone volume		

## DVR Setting Menu

**\*Long-press the OK button in Video Mode on the wired controller to access the DVR Setting Menu.**



## DVR setting options

Movie clip time	Set the video loop time	TPMS pairing	Pairing TPMS sensors with the wheels
Sound record	Toggle the microphone on/off	TPMS unit	Select bar or psi units
MIC sensitivity	Adjust the microphone sensitivity	TPMS alarm	Enable/disable the TPMS alarm
Date format	Choose the date format	TPMS threshold	Set the tire pressure alarm limits
Clock setting	Set the date & time	R-Cam mirror	Enable/disable rear camera mirror
Time zone select	Select the time zone	Protect Level	Set the G-Sensor sensitivity
Date stamp	Turn the date watermark on/off	Beep	Toggle button press sound on/off
Overspeed alarm	Set the overspeed alarm	Voice guide	Enable/disable the voice prompt
Low-voltage battery protection	Set the battery voltage threshold for parking mode.	Format TF card	Format the memory card
GPS status	Show GPS status information	WiFi mode	Enable/disable the camera's WiFi
Speed stamp	Turn the speed watermark on/off	Reset setup	Restore factory settings
Unit system	Choose metric or imperial units	FW version	Check the firmware version
Tire pressure function	Turn the TPMS on/off		

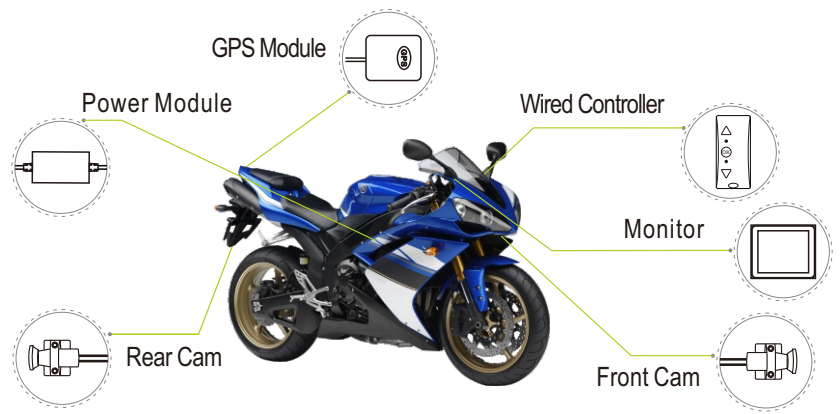
## Quick Installation Guide

**\*Avoid high-pressure water on the main unit, lenses, power module, and remote.**

**\*Do not bend cables or twist connectors during installation. Keep them away from high-voltage components like xenon lamps and ignition plugs.**

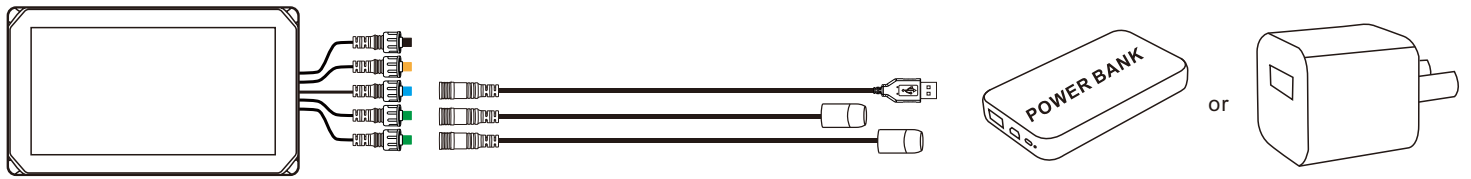
**\*For carburetor motorcycles, use an appropriate R-value ignition plug to reduce interference.**

Please scan the QR code below to view the **CS5 Pro parts overview**:



## Quick Test

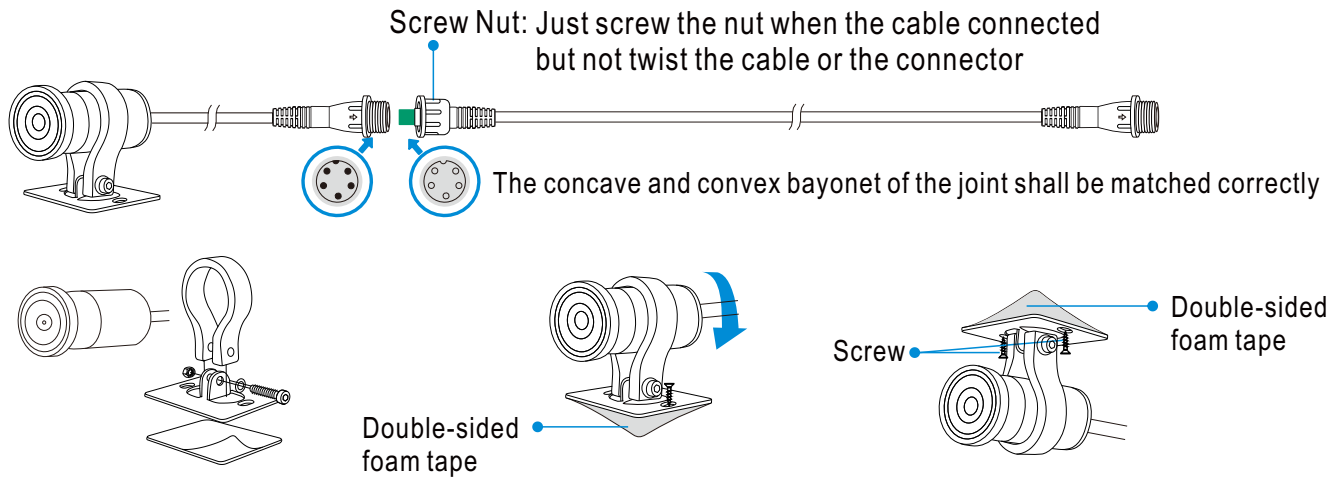
- 1) Connect cam 1 & cam 2 to the main unit.
- 2) Find the USB test cable and connecting to the power bank or USB adaptor to do a quick test before installation.
- 3) Prepare installation if everything looks good.



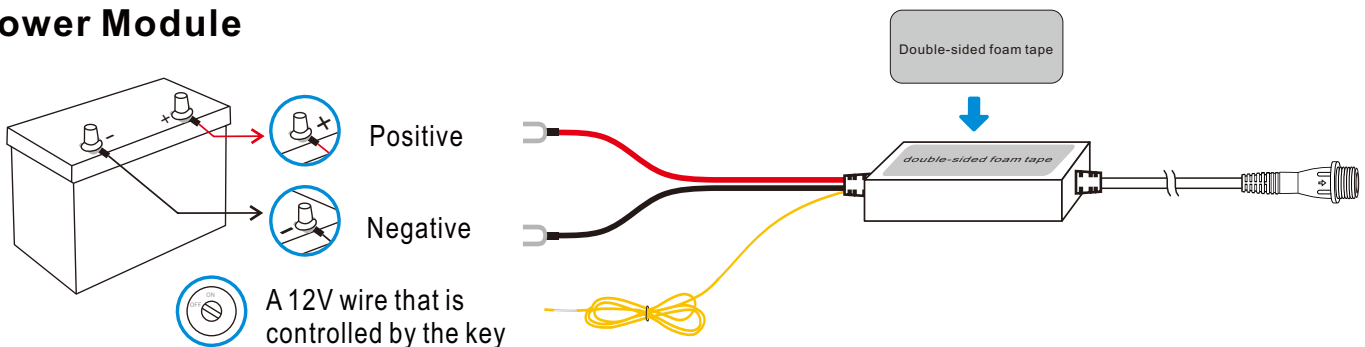
**!** The connection should follow the same color and the correct arrow direction.

**!** The input voltage never exceeds **5V** and the current needs to be **2A** or above for the USB power source.

## Camera Installation



## Power Module



Connect red wire to the battery positive terminal, black wire to the negative terminal, and yellow wire to the 12V port controlled by key ignition (ACC wires). The dash cam will automatically turn on and off with your bike ignition.

## Wired Controller

### ① P Button:

- Short press to toggle Video Mode and Home Page or CarPlay/Android Auto. (*Home Page  $\Rightarrow$  Video Mode; CarPlay/Android Auto  $\Rightarrow$  Video Mode*)
- Long-press to disable the touch input; Long-press again to enable the touch input. (*Recommend to use this feature in rainy weather to prevent accidental touches.*)

### ② OK Button:

- **In DVR Setting Menu:** Short-press to confirm actions or play/pause video. Long-press to return to the previous page.
- **In DVR Video Mode:** Short-press for emergency video recording. Long-press to access DVR Setting Menu; long-press again to exit DVR Setting Menu.
- **In Projection Mode(CarPlay/Android Auto):** Short-press to answer/hang up calls. Long-press to reject incoming calls.

### ③ UP Button:

- **In DVR Setting Menu:** Short-press to return to the previous selection.
- **In DVR Video Mode:** Short-press to switch between different cameras. Long-press to enter or exit **Smart Gauge Mode**.
- **In DVR Playback Mode:** Long-press to toggle between front and rear video lists.
- **In Projection Mode:** Short-press to increase screen brightness. Long-press to skip to the previous track.

### ④ Down Button:

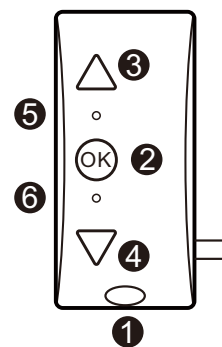
- **In DVR Setting Menu:** Short-press to navigate to next selection.
- **In DVR Video Mode:** Short-press to switch to rear camera with gridlines.
- **In Projection Mode:** Short-press to decrease screen brightness. Long-press to skip to the next track.

### ⑤ Red Light:

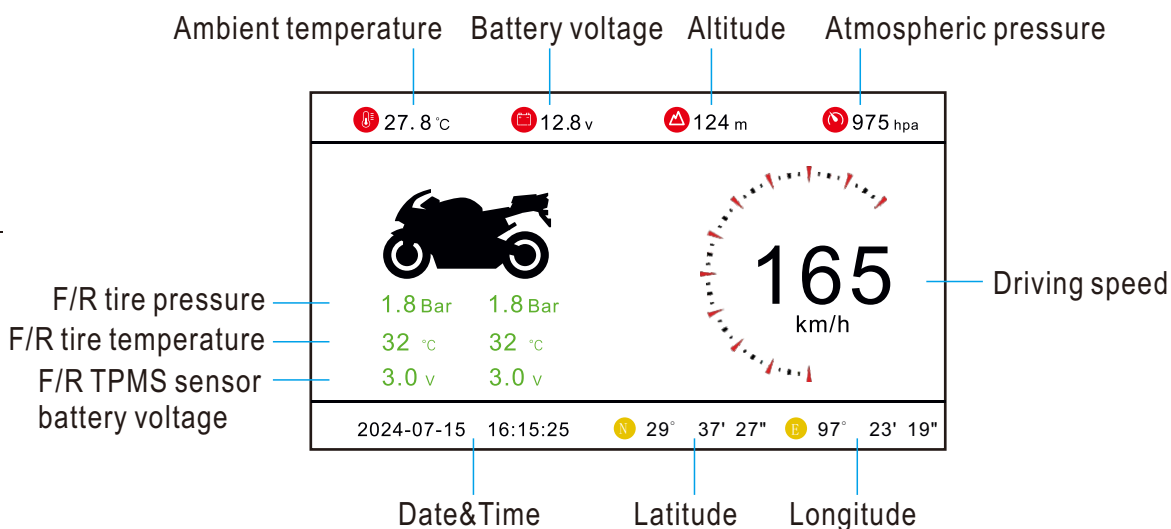
- **Slow blink:** Normal recording (REC-XXX).
- **Fast blink:** Emergency recording(GSR/KEY-XXX).
- **Steady on:** Recording stopped.
- **Light off:** Power off.

### ⑥ Blue Light:

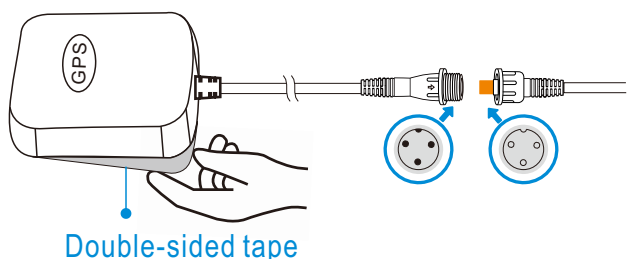
- **Slow blink:** GPS searching (white satellite icon).
- **Steady on:** GPS positioned (green satellite icon).



## Smart Gauge Mode Interface Overview



## GPS Module



- Please note the "GPS" icon must face the sky directly without any barrier, in case of the signal is shielded.
- You can view the GPS route on the WiFi app. For more details, see the WiFi Operation section.