DEEPMOTO

# Motorcycle Dash-cam

## D10Plus User Manual

FHD Dual-camera | Sony IMX307 | Night Vision | Tilt Angle | Park Guard | Altitude Pressure | IP67 Waterproof | Tire Pressure

**Explore the world on two wheels with Deepmoto**

Your trusted companion for all your motorcycle adventures

# CONTENTS


- **Safety Instructions for Use** ..... 4
- **Dash-cam D10Plus Features** ..... 6
- **Accessories** ..... 10
- **Installation Guide** ..... 13
  - 1. Pre-installation Preparation ..... 13
  - 2. Installation ..... 13
- **Function Introduction** ..... 18
  - 1. Dash-cam Buttons and Operation Introduction ..... 18
  - 2. Dash-cam Interface Introduction ..... 20
  - 3. Remote Function Introduction ..... 23
  - 4. Menu Interface and Function Introduction ..... 24
- **Tire Pressure Installation And Function Introduction** ..... 28
  - 1.Install the Tire Pressure Sensor ..... 28
  - 2.Tire Pressure Equipment Matching Function ..... 29
- **App Function Introduction** ..... 30
  - 1. App Introduction ..... 30
  - 2. App Installation Method ..... 30
  - 3. App WiFi Connection ..... 31
  - 4. App Function Introduction ..... 32
  - 5. System Upgrade ..... 36
- **FAQ Guide** ..... 37
  - 1.Dash-cam Host-related Issues ..... 37
  - 2.Camera and Video Related Issues ..... 38
  - 3.Application and WiFi Related Issues ..... 39
- **Product Parameters** ..... 40

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Dash-cam D10Plus

# Safety Instructions for Use

1. The installation of this product requires a certain amount of hands-on ability. If the customer is not good at installing it by himself, it is recommended to go to the local car dealership and seek professional guidance for installation.

2. Please turn off the power of the motorcycle before installation, and restart the motorcycle after the installation is completed.

3. The motorcycle power box needs to be opened during installation, please prepare the corresponding tools by yourself.

4. The installation process is not complicated, please check the installation guide carefully and connect each accessory with the dash-cam.

5. Motorcycle models are different. Customers can choose a suitable location to install the host, camera, remote, power source, and GPS modules according to their own models. When installing, please pay attention to the socket of the cable, and do not use too much force to damage the interface. Please arrange the wiring reasonably, do not squeeze or fold, so as not to damage the cable.

6. When installing GPS, try to avoid installing it in a place surrounded by metal, which may affect GPS signal reception.

7. The camera is fully sealed and waterproof. Avoid using solvents such as alcohol and asphalt cleaning agent to contact the lens, so as not to damage the waterproof layer.

8. Do not wash the dash-cam with a high-pressure water gun for a long time to prevent water from entering the host.

9. When the dash-cam is turned on, do not insert or remove the TF card to avoid damage to the TF card.



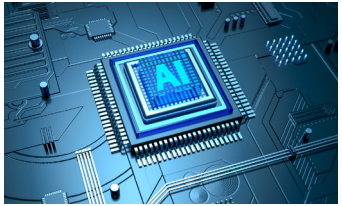
10. Do not cut off the power when the system firmware is being upgraded online.

11. The safety voltage of this dash-cam is 36V, which can be applied to all motorcycle types (usually the voltage of the motorcycle battery is 12V). However, for some electric motorcycles, the battery voltage is as high as 60V or more, which has exceeded the voltage of the dash-cam, and may burn out the dash-cam host. If it is to be installed and used on an electric motorcycle, a voltage converter is required.

If you have any questions, please send email to us, we will answer you in time.
Customer service email: Deepmotoservice@163.com

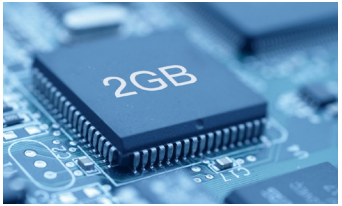
# Dash-cam D10Plus Features

Chip




**Cortex A7 Dual-core Intelligent Chip**

With stronger performance and lower power consumption, brings you a more enjoyable user experience.




**2GB High-capacity RAM**

Makes your device run more smoothly, enabling you to enjoy an efficient user experience.

**Connect The ACC Power Supply To Keep the Video Recording Synchronization At All Times**

**Support Up to 256GB TF Card**

Allowing you to record any content you want and store more precious memories.

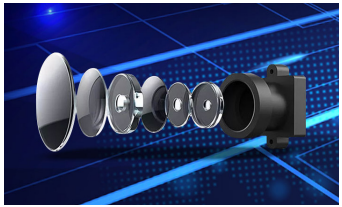
Camera

**Front and Rear Dual Cameras**

**Full HD 1080P/30 Frames**



# Dash-cam D10Plus Features



**6 Glass Optical Lens + IR Filter**

**Sony IMX307 Image Sensor**

Self-bandwidth dynamic technology, backlight display is clearer.

**F1.6 Large Aperture**

**Starlight Night Vision**

**150° Wide Angle**

**EIS Electronic Image Stabilization**

# Dash-cam D10Plus Features

### All Metal Material

Elegant design, black body, red logo, durable, better heat dissipation, better quality.

**Dash-cam Host**

### 3-inch IPS Full-view High-definition Screen

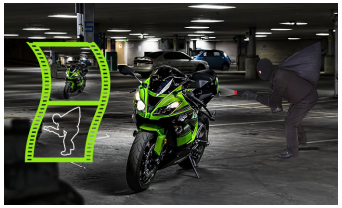
The screen is more high-definition and the picture quality is more delicate.

### Easy To Install

Suitable for all models, non-destructive installation, two options are available (non-rotatable and rotatable).

### IP67 Deep Waterproof

Protect you without fear of wind and rain.



### Parking Guard

Intelligent monitoring, guarding your car anytime, anywhere.

**Special Features**

### Loop Recording

Loop protection, never offline, always record the wonderful moments of riding.



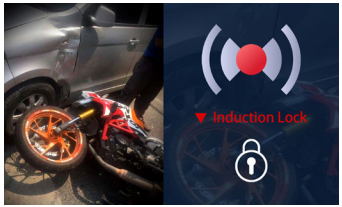
# Dash-cam D10Plus Features

### Bending Warning

Monitor the motorcycle's inclination angle, speeding around the curve, and escort for safety.

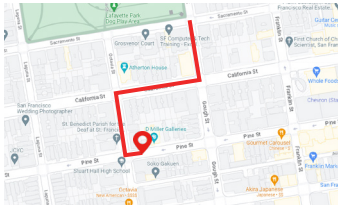
### Take Pictures With One Key

Easily lock the file, and protect the video from being overwritten (manual operation).




### Vibration Sensor

Monitor the vibration, automatically lock the video when the collision occurs (automatic operation of the machine).



### GPS Track Playback

Record every footprint and every moment of your motorcycle trip.

### Altitude Air Pressure

Control field information anytime, anywhere.

### Exclusive APP

Download videos, edit them easily, and share them with one click.

# Accessories

Dash-cam D10Plus

## *BAG 1:* Front Camera

Accessory-01

## *BAG 2:* Rear Camera

Accessory-02

## *BAG 3:* Power Supply

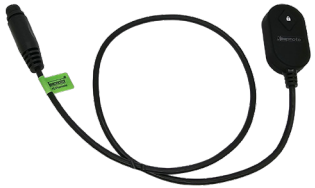
Accessory-03

## *BAG 4:* GPS Modules

Accessory-04

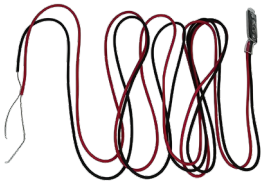
## *BAG 5:* Remote

Accessory-05

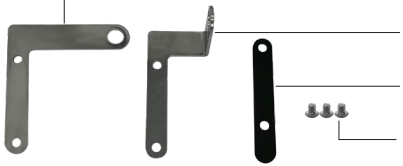


## *BAG 9:* ACC Detection Wire

Toolkit-01



## *BAG 6:* Installation Mode Selection - Simple



Accessory-0601
Dash-cam Fixed Support (Smooth)

Accessory-0602
Dash-cam Fixed Support (Bend)

Accessory-0603
Rubber Pad

Accessory-0604 x3
Fixed Support Screw

## *BAG 7:* Installation Mode Selection - Adjustable

Accessory-0701
Dash-cam Fixed Bracket Base

Accessory-0702
Large Ring Buckle

Accessory-0703
Small Ring Buckle

Accessory-0704T
Shock-absorbing Washer - Thin

Accessory-0705M
Shock-absorbing Washer - Medium

Accessory-0706K
Shock-absorbing Washer - Thick

Accessory-0707
Fixed Bracket Screw

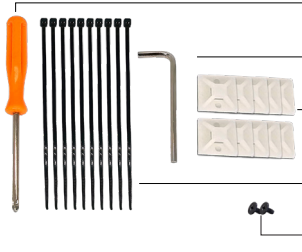
## *BAG 8:* Camera Bracket

Accessory-0801 x2
Camera Bracket

Accessory-0802 x3
Camera Bracket Sticker

Accessory-0803 x4
Camera Bracket Screw

## *BAG 10*



Toolkit-02
Screwdriver

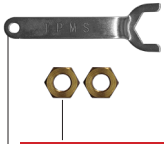
Toolkit-03
Allen Wrench

Toolkit-04 x10
Self Adhesive Cable Zip Tie Mounts

Toolkit-05 x10
Cable tie

Toolkit-06 x2
TF Card Position Screw

## *BAG 11*



Accessory-T1101 x2
Anti-theft Nut

Accessory-T1102
Nut Wrench





# Installation Guide

## 1. Pre-installation Preparation

- There are 11 accessory packages in total. Please carefully check each package to confirm that all accessories are complete.
- Before installation, please turn off the motorcycle power and then turn it on after the installation is completed.
- Prepare the necessary tools to disassemble the motorcycle.
- Customers can choose a suitable location to install the main unit and accessories based on their motorcycle model. If customers are not skilled at installing the equipment themselves, they can consult with professionals at local motorcycle shops for guidance on installation.

## 2. Installation

### 2.1 Install the Main Unit

Take out the main unit and select a suitable installation mode to install the main unit in the appropriate position on the motorcycle. There are two installation modes, and the installation packages correspond to Bag 6 and Bag 7 respectively.

• **Simple Installation Method** (Non-rotatable Main Unit)

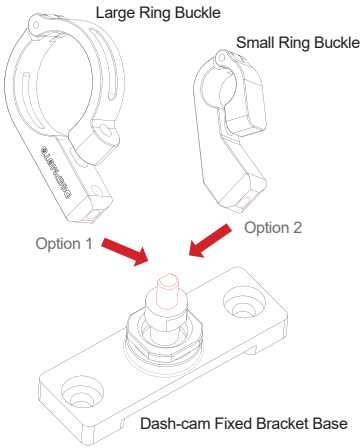
Take out the accessories from Bag 6, choose one of the **Dash-cam Fixed Support** (smooth or curved), place a **Rubber Pad** on it, and fix the main unit in the appropriate position at the front of the motorcycle. Which **Dash-cam Fixed Support** to use can be decided based on the desired installation position. The main unit installed in this way cannot be rotated.

• **Adjustable Installation Method** (Rotatable Main Unit)

Take out the accessories from Bag 7, install the **Dash-cam Fixed Bracket Base** on the back of the main unit, and choose either the **Large Ring Buckle** or **Small Ring Buckle** to connect it with the base. Then, install the buckle in a suitable position on the motorcycle.

When using the **Large Ring Buckle** for installation, a **Shock-absorbing Washer** can be added, and there are three types of washers to choose from (thin/medium/thick).

Installation Diagram



## 2.2 Installing the Controller (Remote)

Take out the remote controller from Bag 5, connect it with the dash-cam, pay attention to connect correctly the wiring port and the plug, and stick the controller to the appropriate position on the motorcycle.

*Picture refers to Installation Guide Diagram.

## 2.3 Install the Front Camera and Rear Camera

Take out the Cameras from Bag 1 and Bag 2, and take out all the accessories from Bag 8.



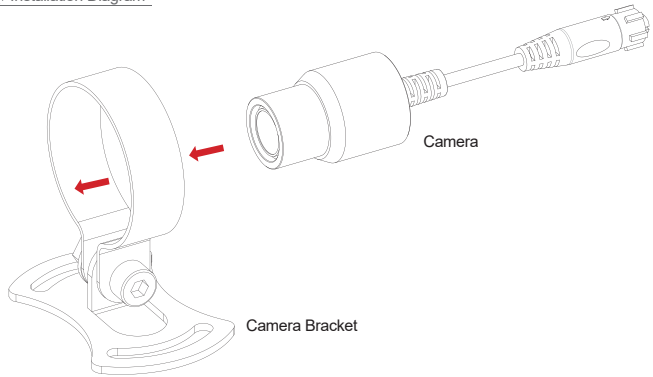
Insert the **Front Camera** (shorter wire) into the **Camera Bracket**, and install it in the front of the motorcycle. The triangle symbol ▶ on the camera represents the forward direction. The bottom of the camera bracket can be fixed with stickers.

If you are concerned about the stability of the bracket, screws can be added on both sides of the bracket, but this may damage the appearance of the motorcycle, so please choose carefully. It is recommended to use stickers to fix the bracket.

The installation method for the rear camera is the same as the front camera.

After installation, connect the wires of the front and rear cameras to the Dash-cam.

Installation Diagram




Front camera real picture display

Rear camera real picture display

## 2.4 Install the Dash-cam Power Supply

Take out the **Dash-cam Power Supply** from Bag 3. The power supply has an output port and an input port.

The output port has two wires, connect the wire with the blue sticker to the main unit.

The input port has three wires, colored red (positive), black (negative), and yellow (ACC). Connect the red and black wires to the positive and negative terminals of the motorcycle, respectively. Connect the yellow wire to the ACC in the motorcycle fuse box.

## 2.5 Install the GPS Modules

Take out the **GPS Modules** from Bag 4 and connect it to the **Dash-cam Power Supply**.

**How to find out which one is the ACC wire in the motorcycle fuse box?**

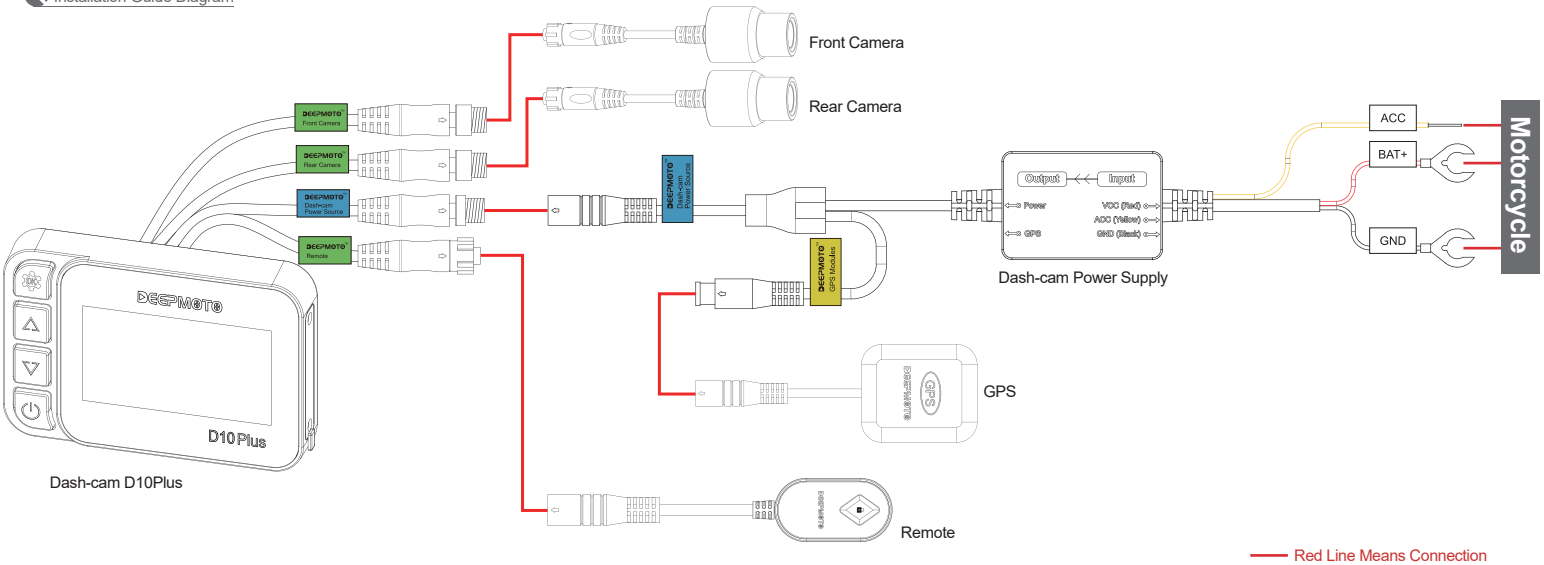
Customer can use the auxiliary tool ---- **ACC Detection Wire** (Bag 9)

Take out the ACC detection wire from Bag 9, wrap the black wire around the metal body of the motorcycle, and use the red wire to touch the metal on top of the fuse.

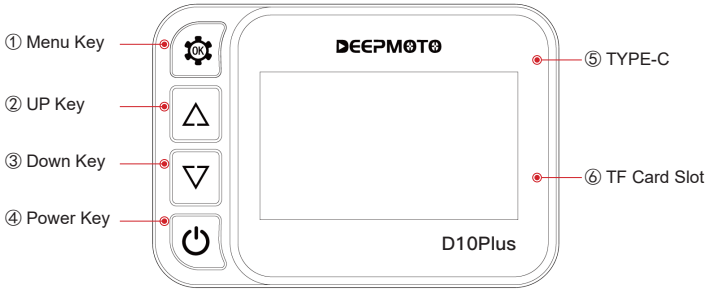
After the motorcycle is powered on, if the LED light on the ACC detection wire lights up, turn off the motorcycle. If the LED light goes out, then the fuse you tested is the ACC wire for your motorcycle.

After installation, start the motorcycle, and the Dash-cam will automatically turn on and enter the recording interface.

Installation Guide Diagram



# 1. Dash-cam Buttons and Operation Introduction




## 1.1 Menu Key

- In the **Recording Interface**, short press is to enter the menu function interface, and long press is to turn on/off WiFi.
- In the **Menu Function Interface**, short press is to confirm, and long press is to return to the recording interface.
- In the **Video Management Interface**, short press is to play the video, and long press is to return to the recording interface.

## 1.2 UP Key

- In the **Recording Interface**, short press is to switch the monitoring screen of the front and rear camera.
- In the **Menu Function Interface**, short press is to move up the option.
- In the **Video Management Interface**, short press is to move up the option, long press is to delete the video, (a deletion prompt box will pop up for confirmation).

## 1.3 Down Key

- In the **Recording Interface**, short press to enter the video playback interface.
- In the **Menu Function Interface**, short press is to move down the option.
- In the **Video Management Interface**, short press is to move down the option, and long press is to lock/unlock the video file.

## 1.4 Power Key

- In the **Recording Interface**, short press is to enter the HUD interface, and long press to shut down the dash-cam.
- In the **Menu Function Interface**, short press is to switch the video recording of the front camera/rear camera.
- In the **Video Management Interface**, short press is to switch the video recording of the front camera/rear camera.
- In the **HUD Interface**, short press is to return to the recording interface.

## 1.5 TYPE-C

- This port is used by engineers for testing.

## 1.6 TF Card Slot

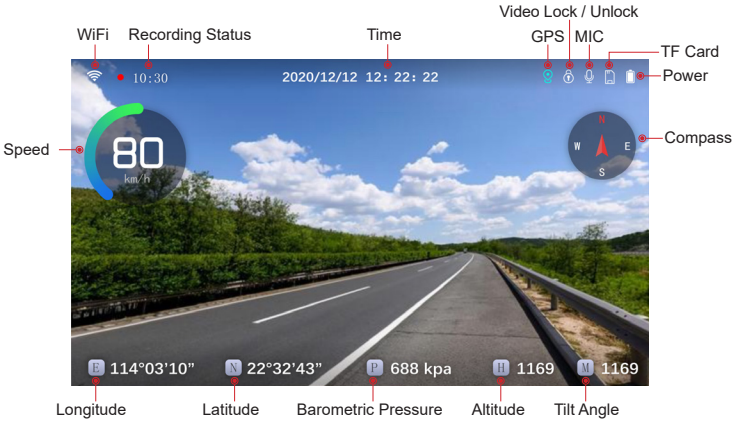
- The video can be recorded normally only after inserting the TF card in this position.
- Customers need to purchase TF card by themselves, this product does not include TF card.

# 2. Dash-cam Interface Introduction

## 2.1 Recording Interface (Video Monitoring Interface)

- The recording interface is to display the monitoring screen captured by the camera in real time. After the motorcycle is turned on, it will automatically enter the recording interface.
- When the WiFi and GPS are successfully connected, the color of the icon will change from white to green.

Recording Interface Icon Introduction:




Recording Interface button function:

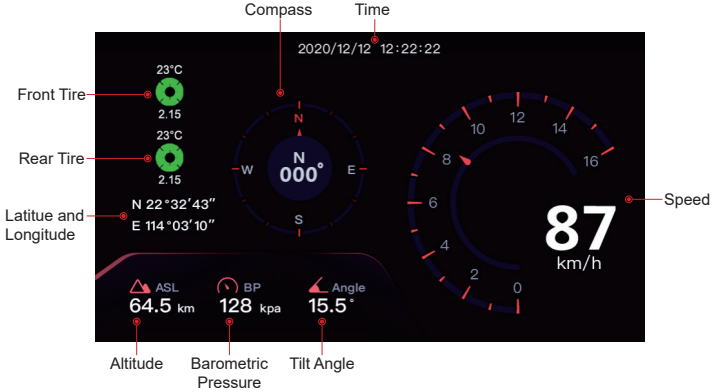
- Short press to enter the menu setting interface, long press to turn on/off the WiFi.
- Short press to to switch the monitoring screen of the front and rear camera.
- Short press to enter the video management interface.
- Short press to enter the HUD interface, long press to turn on/off the dash-cam.



## 2.2 HUD Interface

- The HUD interface displays various values of the motorcycle, so that customers can understand the status of the motorcycle more clearly.
- In the recording interface, if there is no operation for 10 seconds (screen saver time can be set), the screen will automatically enter the HUD display interface.

HUD Interface Icon Introduction:




The green tire pressure icon means the connection is successful, and the gray means it is not connected.

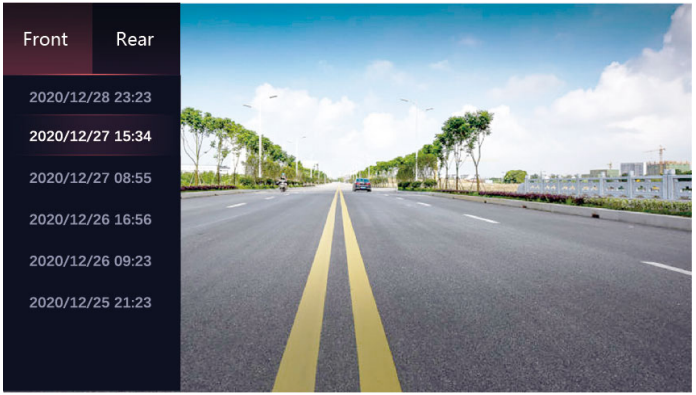
| | | | | |
|---|---|---|---|---|
| Normal Tire Pressure | ➡ | 2.0 < Value < 3.0 | ➡ | White |
| Low Tire Pressure | ➡ | Value < 2.0 | ➡ | Red |
| Too High Tire Pressure | ➡ | Value>3.0 | ➡ | Red |
| Tire Temperature Is Too High | ➡ | Value > 65° | ➡ | Tire Temperature Color Red |

**Special Note:**

When the tire pressure position on the HUD interface does not display data for a long time, it may be that the battery of the tire pressure sensor is low, please replace the battery of the tire pressure sensor. Battery model: lithium battery CR1632.

## 2.3 Video Management Interface

- The video management interface can delete, lock and unlock the captured video.

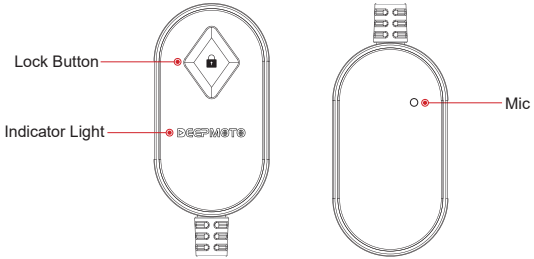



Video Management Interface button function:

- Short press to play the video, long press to exit the interface to the recording interface.
- Short press to move up, long press to pop up a prompt box to delete video files.
- Short press to move down, long press to pop up a prompt box for locking/unlocking video files.
- Short press to switch the video recorded by the front camera/rear camera, and long press to switch on and off.



# 3. Remote Function Introduction




**When the dash-cam is turned on:**

- Short press the lock button to take pictures. When taking pictures, the front and rear camera take pictures at the same time. Photos can be viewed in the video management interface.
- Long press the lock button to lock the video being recorded, which means to keep the video so that the video will not be overwritten.

***Special Note:***

After inserting the TF card, when the motorcycle is started, the Dash-cam will automatically begin recording and loop recording. The loop recording time can be set.

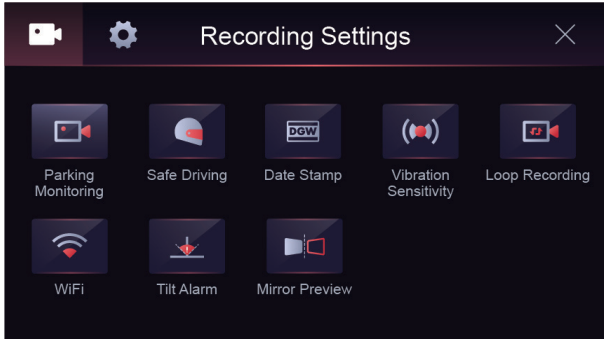
For example, if the loop time is set to 1 minute, the front and rear cameras will record a video every 1 minute and save it to the TF card until the TF card memory is full. After the TF card memory is full, the recording will continue, and the earliest recording will be overwritten when a new recording is saved. If a video file has been locked, it will not be overwritten.

## Remote Indicator Light

- The flashing blue light indicates that the dash-cam is currently recording.
- A steady blue light indicates that the dash-cam is not recording.
- When the dash-cam is not inserted into the TF card, or enter the menu setting interface, video management interface, the dash-cam will not record and the blue light will remain steady without flashing.

# 4. Menu Interface and Function Introduction

## *Recording Settings:*




### 4.1 Parking Monitoring Sensitivity

The parking monitoring function is a function that after the motorcycle is turned off, the dash-cam senses that the motorcycle is hit, and automatically hides and starts recording for 15 seconds.

This function is off by default, and there are four options: high/middle/low/off.

| | | | |
|---|---|---|---|
| High | High Sensitive | Slight Collide | Start Recording Automatically |
| Middle | Middle Sensitive | Middle Collide | Start Recording Automatically |
| Low | Low Sensitive | Strong Collide | Start Recording Automatically |

### 4.2 Safe Driving

This function is turned on by default. When it is turned on, a prompt box will pop up after two hours of video recording: Please pay attention to fatigue driving.

### 4.3 Date Stamp

This option is enabled by default. After it is enabled, the time will be displayed in the lower right corner of the video when the dash-cam is recording. It is recommended to enable this feature.



### 4.4 Vibration Sensitivity

The D10Plus comes with a built-in vibration sensor that automatically detects any vibration that the motorcycle experiences. When the motorcycle is in motion, the vibration caused by the smoothness of the road can also trigger the vibration sensor. The vibration sensor monitors the intensity of the vibrations and automatically locks the recorded video, preventing it from being overwritten.

| | | | |
|---|---|---|---|
| Urban Pavement | High Sensitive | Small Vibration | Lock video Automatically |
| Comprehensive Pavement | Medium Sensitive | Medium Vibration | Lock video Automatically |
| Off-road Pavement | Low Sensitive | Large Vibration | Lock video Automatically |

### 4.5 Loop Recording

After inserting the TF card, the dashcam will automatically start loop recording while the motorcycle is in the "on" state. The loop recording time can be set to 1 minute, 2 minutes, 3 minutes, or turned off. The default loop recording time is 1 minute.

### 4.6 WiFi

You can turn the WiFi function on or off in the settings. By default, it is turned off. When WiFi is turned on, the dash-cam will emit a wireless signal named "Deepmote_XXXXX". Users can connect to the WiFi signal on their mobile phones and manage video files through the mobile App.

### 4.7 Tilt Alarm

This feature monitors the tilt angle of the motorcycle's tires and will trigger an alert when the angle exceeds a certain value. By default, this feature is turned off.

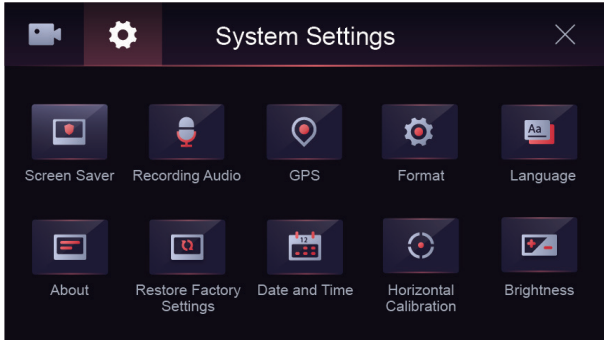
- Scooter (Title Angle >= 30°Alarm)
- Model (Title Angle>= 40°Alarm)
- Racing (Title Angle>= 45°Alarm)
- PRO (Title Angle>= 50°Alarm)

### 4.8 Mirror Preview

When this feature is turned on, the camera image will be mirrored. By default, this feature is turned off.

## *System Settings:*

Press the power button to switch to the system setting menu.




### 5.1 Screen Saver

Set the screen saver time: 10 seconds/30 seconds/1 minute/close, the default is 30 seconds. When the driving recorder is in the recording interface, without any operation, after 30 seconds, the screen will automatically enter the HUD interface.

### 5.2 Recording Audio

Set the microphone to be turned on or off, and it is turned on by default. When turned on, audio can be recorded during video recording.

### 5.3 GPS

Set the GPS function to be on or off, and the default is on. Longitude, latitude, altitude and other information will be displayed only when the GPS is turned on. It is recommended to keep the GPS turned on.

### 5.4 Format

The TF card can be formatted, after formatting, the TF card will be cleared, please operate with caution.



### 5.5 Language

Set the language: Simplified Chinese/Traditional Chinese/English/Japanese/Korean.

### 5.6 About

Display the version information of the current machine software, WiFi name, WiFi password, and MAC number, which is the unique identification code of the machine.

### 5.7 Restore Factory Settings

Restore the settings of the dash-cam to the factory default settings.

### 5.8 Date and Time

To set the time of the device, short press the menu/OK key to enter the time adjustment, short press the up key or down key to adjust the time, after the adjustment is completed, short press the menu/OK key again to confirm. After the setting is completed, long press the menu/OK key to exit the time setting.

### 5.9 Horizontal Calibration

Calibrate the dash-cam horizontally. It is recommended to put the motorcycle in a straight position when calibrating.

### 5.10 Brightness

Set the brightness of the background light, the default background light brightness is high.