Instrustion Manual

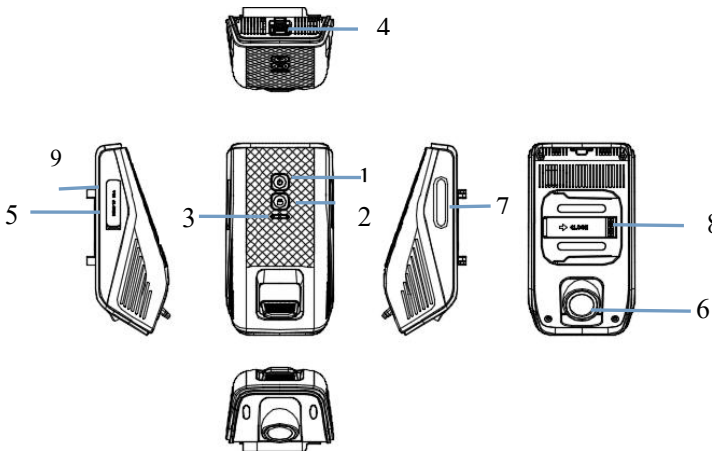
Product mode:TFP-4G DVR

product features

This product is a driving recorder designed with the latest technology that can achieve high-definition recording. It can record videos with a resolution of 1920 * 1080P and capture 2 million pixel photos; Using TF cards as storage devices, compact in size. The video images recorded on this device have good night vision effects, clearer license plate numbers, and can more realistically restore the scene of the accident, providing more favorable evidence.◎Using an anterior 170-degree ultra-wide Angle lens,

◎Has very good low illumination and clear images even in darker environments,
◎With an HD resolution of 1920 * 1080P;
◎Using advanced H.264 image compression technology;
◎Photos can be taken for up to 2 megapixels;
◎Supports 4G remote monitoring and WIFI transmission
◎Smooth images of 30 frames per second;
◎Paired with a dedicated car 3M bracket, easy to install and use;
◎Using car special power supply, can 24 hours parking monitoring function;
◎With the starting car automatic boot, automatic recording function;
◎Automatic cycle recording;
◎With acceleration sensing function, in case of emergency, forced to save the current video;
◎Powerful document protection function, in the recording process, sudden power failure, machine damage and other situations, video documents will still be completely saved;
◎Up to 256GB high-capacity storage unit support.

Product structure



Product structure:

1.Power on/off 2.Emergency lock key

3.indicator light +Mic 4.Power cable interface

5.TF Card slot 6.LENS

7.SIM Card slot 8.GPS bracket 9.Reset

KEY function:

1.Power key:for the switch machine function, In the shutdown state, press to power on, In the startup state, press to switch audio rec, and long press 3 seconds to turn off the device.

2. Emergency lock key:Press to start the emergency recording, and press and hold to restore factory Settings.

3. indicator light +Mic:red:off:power off,Keep on:Stop recording,Slow flicker:recording,quick flicker:Emergency video (collision and active capture);Blue light:off:4G connection failed.Keep on:4G connection successful,Slow flicker:APP connection successful,Mic:The microphone can be turned off and on through the app。

4. Reset:Press the reset key, you can force the shutdown and reset it

5. Operation manual

Install and remove the TF cards and the SIM cards

1、Please determine the insertion direction of the TF card and SIM card. The insertion direction is not correct and may damage the machine and TF card and SIM card.

2、Please use the high speed TF card complying with the SDHC specification, the high speed TF card will have the C10 logo, please use the carrier SIM card correctly,

3、If the memory card format is not compatible with the machine, there may be a do not read the card phenomenon, with the native TF card format, if the SIM card is not compatible with the machine, can change the card again.

Device Power on and power off

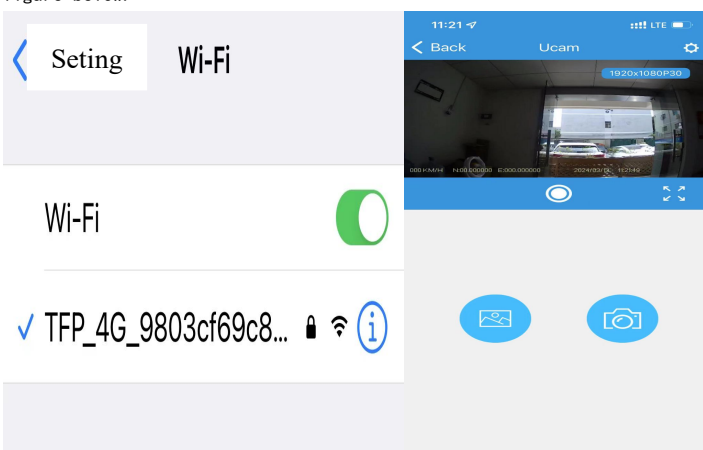
1、Insert the power cord, the machine will automatically turn on, the shutdown time press the shutdown key, the machine will automatically shut down, the switch opportunity to sound, in the shutdown mode, short press the key, the machine will automatically turn on.

2、In boot mode, pressing the reset button turns down and restart.

Connect to the APP settings

1. DVR, After the machine is turned on, open the mobile phone Settings, enter the WIFI selection recorder WIFI SSID: TFP _ 4 G _ 98 XXX, click SSID, input the password: 12345678, the mobile phone will automatically connect to DVR,

2. After connecting with WIFI, open the APP UCAM software dedicated to the mobile phone, and then click on the connection recorder. After connecting with the recorder, the video pre-monitoring screen can be performed, as shown in the figure below.



The APP controls the video recording and photography as shown below

1. After connecting to the DVR, you can start recording and stop recording through the mobile APP, and you can also capture photos through the mobile APP.

The APP sets the WIFI password

1. Through the APP Settings menu, select set WIFI password, you can enter the password you want, after the setting, the device will automatically record, The APP sets the video recording resolution

1. Set the video resolution through the APP, click the video resolution, can set the resolution of 1920 * 1080P and 1280 * 720P, after setting, return to the surveillance screen will be displayed,

APP set up loop video

1. Through the APP to set the loop video, click the loop video, can set 1 MIN, 3 MIN, 5 MIN, 10 MIN, can be set according to their own requirements

APP sets HDR, EV value, video sound, collision sensing sensitivity and setting language

1. APP sets HDR, selects on and off, APP sets video sound, selects on and off, APP sets collision sensing sensitivity, selects OFF-LOW-HIGH, selects APP setting language, and selects multiple national languages.

APP Set up parking monitoring

1. Set up parking monitoring through APP, you can set OFF, LOW, MED, HIGH, the default is MED..

APP set TimeZone

By APP setting TimeZone, you can choose 0 to-12 UTC and 0 to + 12 UTC. The default is 7 UTC.

Format memory

Connect the APP, select formatted memory, and click OK formatted device TF card

Default Setting

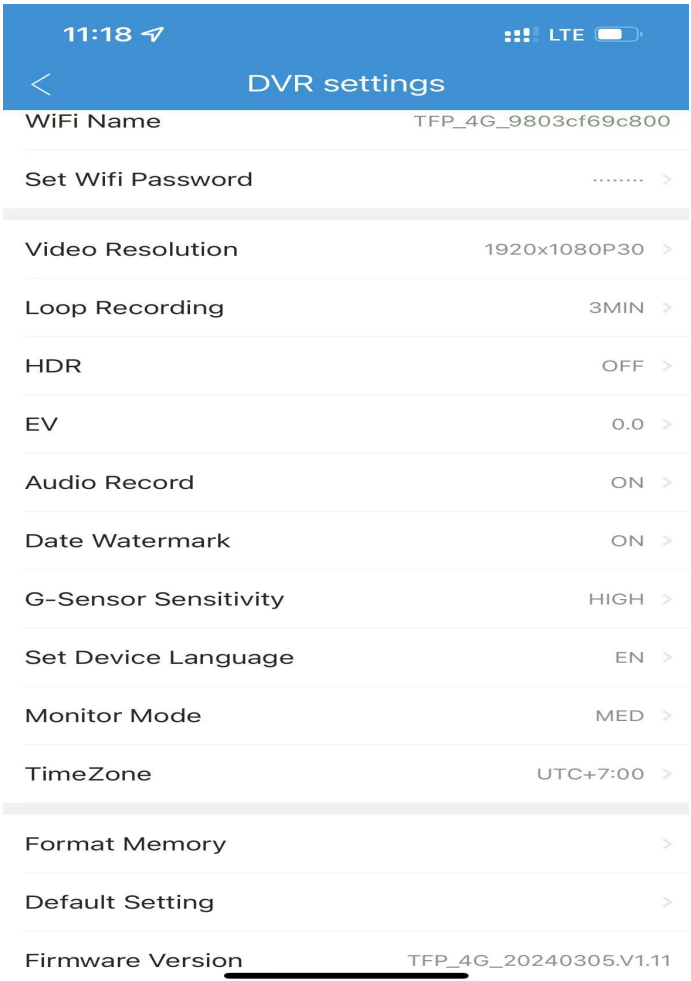
1. Connect the APP, select to deauflt settings, and the device will

automatically restore all factory settings.

View the device version

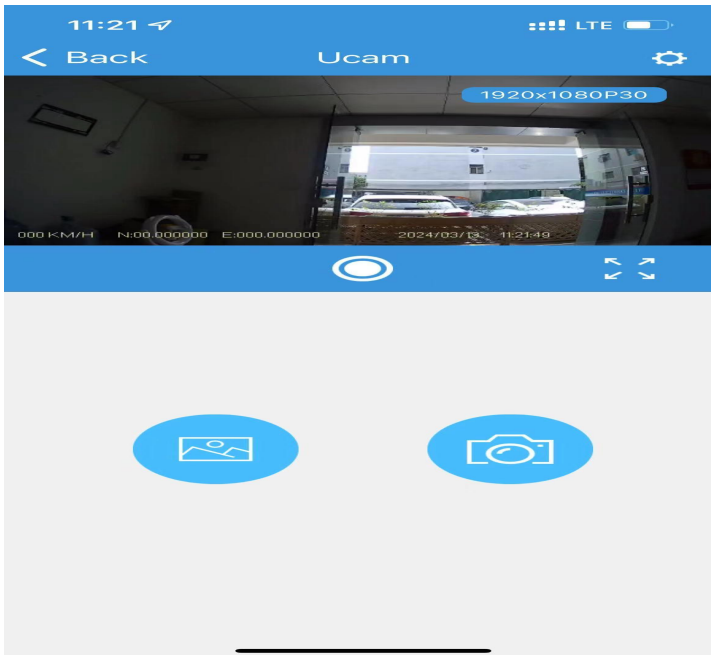
1. connect to the APP to view the software version of the device.

4G Live stream

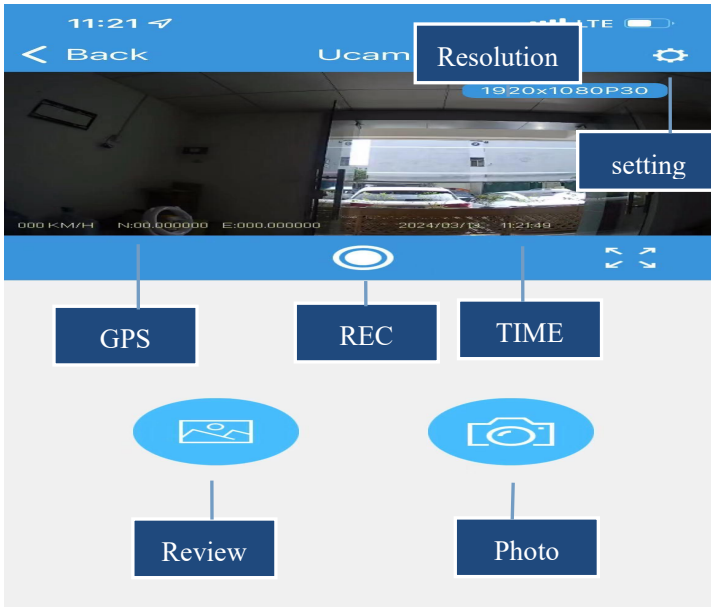

11:18
LTE
DVR settings
WiFi Name
TFP_4G_9803cf69c800
Set Wifi Password
.....
Video Resolution
1920x1080P30
Loop Recording
3MIN
HDR
OFF
EV
0.0
Audio Record
ON
Date Watermark
ON
G-Sensor Sensitivity
HIGH
Set Device Language
EN
Monitor Mode
MED
TimeZone
UTC+7:00
Format Memory
Default Setting
Firmware Version
TFP_4G_20240305.V1.11

GPS positioning test

Connect the APP and enter the preview screen, which will show the longitude dimension and kilometer time of positioning.as illustrated in following figure



Preview mode description


11:21
Back
Ucam
Resolution
1920x1080P30
setting
000 KM/H
N:00.000000
E:000.000000
2024/03/
11:21:49
GPS
REC
TIME
Review
Photo

Product Parameter

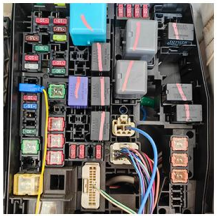
RecordingResolution	1920*1080,30fps
Automatic video recording	Automatic recording when ACC is turned on
loop video	1 minute (default), 3 minutes, 5 minutes
voice recording	Switch control, disabled by default
Video folder	normal,knock,parking(The file name can be changed)
parking mode	Time-lapse recording:1fps per second G-Sensor monitoring:Sensitivity can be adjusted according to off, low, medium, and high levels
G-Sensor lock	5 seconds before and after the triggering time point
4G monitoring	Real time live streaming through backend or mobile app(AWS Iot sdk)
Video Watermarking	Date, time, speed, GPS location
Server protocol function	GPS position reporting
	DVR status information uploaded (GPS, SD card, signal, 4G fault via WiFi, CAM fault is TBD)
	Pictures and videos uploaded(AWS Iot

	sdk)
	Real-time video preview (AWS Iot sdk for 4G)
status lamp	red:off:power off
	Keep on:Stop recording
	Slow flicker:recording
	quick flicker:Emergency video (collision and active capture)
	Blue:off:4G connection failed
	Keep on:4G connection successful
	Slow flicker:APP connection successful
function of the key	Key1:In the shutdown state, press to power on
	In the startup state, press to switch audio rec, and long press 3 seconds to turn off the device
	Key2:Press to start the emergency recording, and press and hold to restore factory Settings
WiFi Connect	wifi is always ON. Wifi is off while

	parking mode。 The wifi is enabled by default when the device is turned on.
Server functions	TFP is responsible for development, connected via 4G network
APP function	TFP is responsible for development, connected via 4G network（WIFI + 4G）
nominal voltage	DC12V
voltage range	DC9V-12V
maximum operating current	<500mA
operating temperature	-20℃~+70℃ for DVR REC（-10℃~60℃ for 4G module）
storage temperature	-30℃~+85℃

method of installation

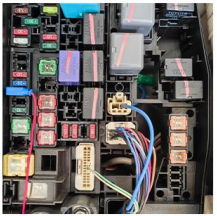
Install Tip:



The B+ (yellow)

The yellow cable should be connected to the fuse of the constant power supply in the car fuse box.

If you are looking for a constant power supply in the fuse box: Use a voltage tester to check the fuse to ensure it still have electricity even if the car engine is off.



The ACC (red)

Identify the ACC (Accessory) fuse slot in the fuse box. This slot provides power when the ignition is on.

Testing method : The tester bulb will light when the engine if on and won't light when the engine is off.

The Ground (black)

This black cable is connected to the metal parts of the vehicle. There are screw nails and metal parts near the fuse boxes in many cars. Connect the black cable to the screw or metal part.

FCC STATEMENT :

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 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.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.