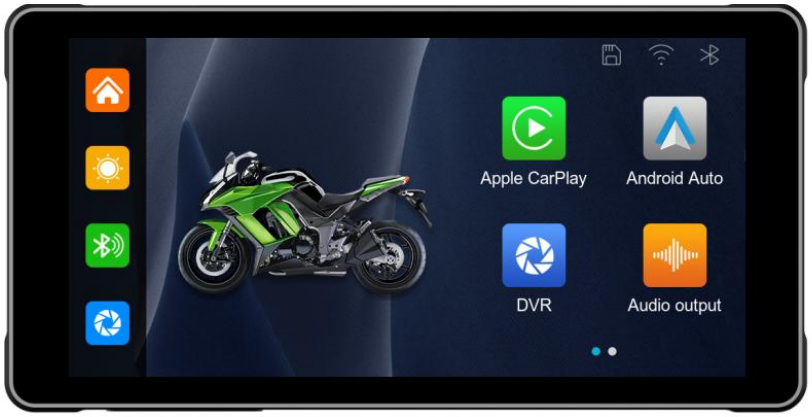
F85 5.5 inch

Dual Motocyle recorder

Product Manual



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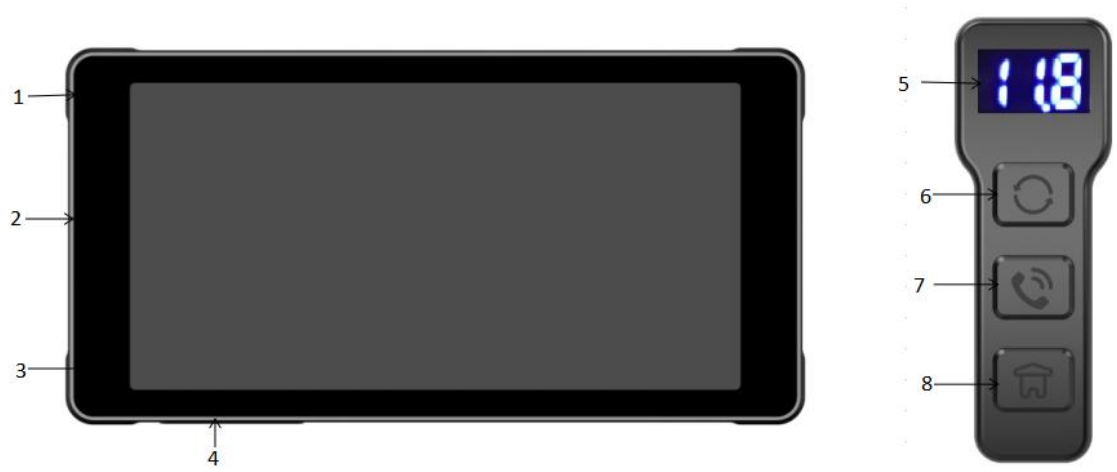
一、 Product overview

5.5-inch system captures real-time footage of the surrounding by installing two wide-angle cameras on the front and rear of the motorcycle. This product can record all driving videos and photos. With this system, drivers can also connect their phone, use motorcycle navigation, and play music. The product's casing effectively prevents water from entering, allowing it to be used in rainy and water-related environments.



Number	Functional description
1	Microphone receiving hole
2	Type-c power plug
3	Light Sensor
4	SD Card slot hole
5	Motorcycle battery voltage display

Number	Description	Key function definition	
		In operation	Incoming call
6	Cycle button	Short press to enter the rear view interface/return to the previous interface	Short press to answer the phone
		Long press for 10 seconds to power off	NA
7	Camera button	Short press for one-click capture	Short press to hang up the phone
		Long press for 3 seconds to lock	NA

		the video	
8	Main interface button	Short press to enter the main interface/mobile phone interconnection interface	NA
		Long press for 5 seconds to close/open touch function	

二、 Prodct component list

Name	Photo	Description	Quantity
Host		5.5-inch high-definition display(960*480)/2-channel camera interface/touch control/blue-tooth/WIFI/audio output/FHD high-definition video/Type C power interface	1
Type-c Splitter cable		Type C one-to-four adapter cable: host end converts to voltage reduction line/front recording/rear view/line control button	1
Three -wire-ACC voltage reduction cable		Type C power cable 12V-24V/2.5A current/one-to-two: host power and digital display power	1
Front camera		AHD (1080P)/4PIN	1
Rear camera		AHD(1080P)/4PIN	1
Digital line control		Displays motorcycle battery voltage and button control function	1
Hexagonal wrench		Used to fix screws for line control	

Motorcycle recorder bracket		Used to fix the bracket on the motorcycle recorder	1
Cross screwdriver		Used to fix crews for TF card slot cover	1

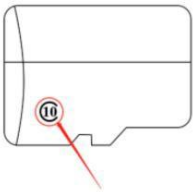
三、 Product Parameters

Item	Function Description	Performance index
System	Operation Language	Simplified Chinese/Traditional Chinese/English/Russian/Spanish/French/German/ Italian/Portuguese/Japanese/Korean
	Operation interface	Graphical menu operation
	Operating method	Touch
Video input	Video input	2 channels of HD video input
	Recording Method	Default power-on recording, no missing seconds
	Recording format	1080P H.264 video，2 Channels of video saved separately
Video Display	Real-time display	5.5-inch HD IPS screen，960*480
	Local playback	Local playback, view anytime
	Screen protection	Can be set to 1 minute/3 minutes/ 5 minutes
Smart connectivity	WIFI	Supports Apple Carplay、Android Auto and Wifi Video
Video Storage	SD Card	CLASS10 U1，maximum 256GB
Audio section	Audio output	After Carplay /Automobile phone projection, the mobile phone bluetooth can connect to Bluetooth headphones to play music or answer calls.
	Microphone	support microphone recording, menu can be set to close
power section	Power input	Support 5V voltage drop line
Power consumption	2 channels recording	Less than 12.5W（screen display，2 channels recording）
Others	Operating temperature	-20~70degrees

四、 SD Card specifications requirements

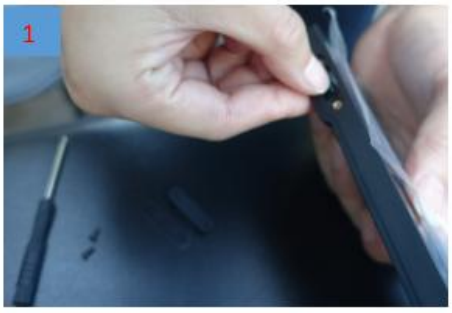
The quality of the SD card has a great impact on the stability of video recording. To ensure safe video recording, please choose well-known brands of SD cards such as SanDisk, Kingston, Toshiba, and Samsung. The speed certification should be at least class 10, with a maximum support of

256GB.



五，SDCard installation instructions

As show in Figure 1/2, first insert the card into the machine, then install theTF card cover, and finally lock the two screws.



六，Suction cup bracket installation instructions

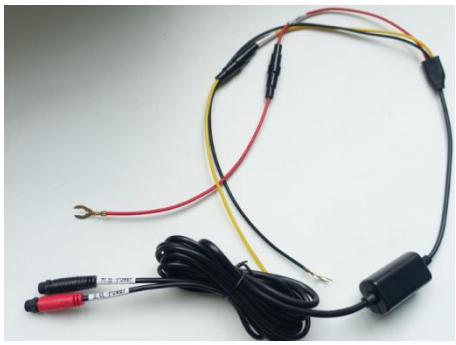
As shown in Figures 1/2/3, first fix the suction cup hase in the central control position of the motorcycle, then insert the suction cup bracket into the base, and then install the machine in the bracket.

七，Digital cable control installation instructions

As show in figures 1/2/3, install the digital cable control on the left handlebar of the motorcycle, and then fix it with screws.

八、Voltage drop line wiring.

Connect the voltage reduction wires: Red wire（ACC）、yellow wire(B+)、black wire（ground），to the corresponding terminals of the motorcycle；



Detailed instructions：

Number	Interface	Description
1	3Pin interface	Mainboard power supply interface

2	Voltage reduction wire	Motorcycle battery connection for power supply; Note: confirm the corresponding ACC/B+/gound terminals on the motocycle, connect them one-to -one, and lock them tightly. Pllease use the original voltage reduction wire.

九、Wiring instructions

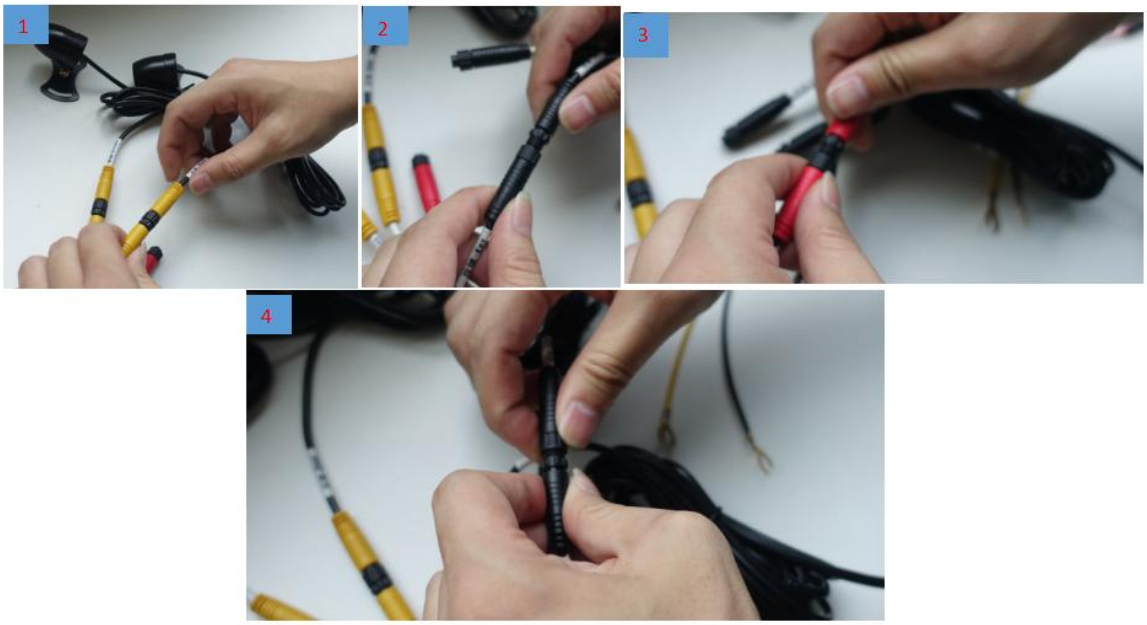
1，As show in the following figure: Figure1-Type-c one-to-four adapter, Figure2- front and rear recording, Figure 3-Digital display line control, Figure 4-Voltage reduction wire.

2，As shown in the following figure: Figure1-Connect the front and rear recording and Type-C adapter with BMW plug and twist tightly; (Note that there is a label on the wire indicating front/rear camera)

Figure 2-Connect the key wire of the line control with the type-c adapter and twist tightly. (Note that there is a label on the wire indicating key)

Figure3-Connect the main power of the voltage reduction wire with theType-C adapter and twist tightly; (Note that there is a label on the wire indicating main power)

Figure4- Connect the other digital display power wire of the line controlwith the type-C adapter and twist tightly; (Note that there is a label on the wire indicating digital display power)

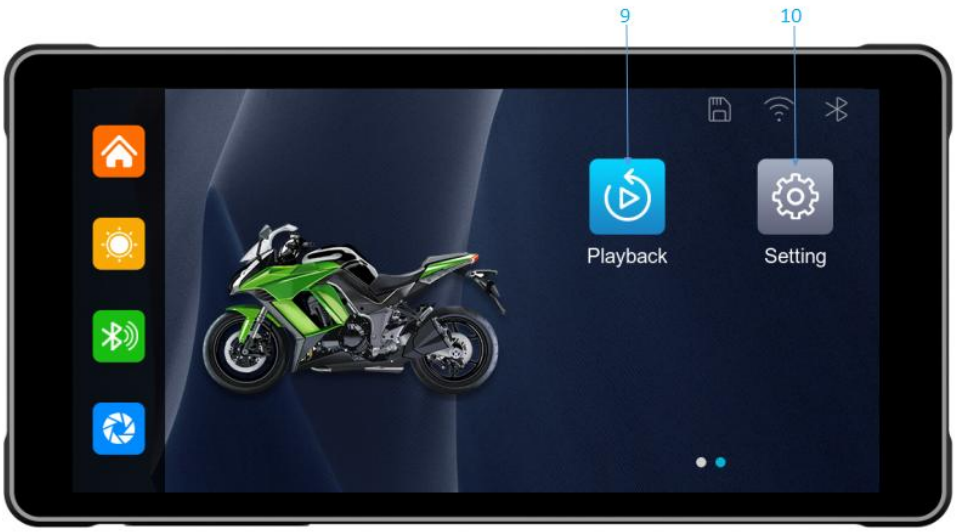


十、Front and rear recording installation instructions connect

Install the front and rear cameras separately on the motorcycle's head and tail, and secure them properly.

十一、Overall installation schematic

十一、 Interface explanation.



① **Home button: Click to return to the homepage.**

② **Brightness key: Click to adjust the screen brightness**

③ **Audio output shortcut key: on-Click to enter the demonstration screen of connecting bluetooth headphones to the phone.**

④ **Camera shortcut button: Click to view the recording interface.**

⑤ **AppleCarplay: Apple-exclusive phone connection**

⑥ **AndroidAuto : Android-exclusive phone connection**

⑦ **Driving Monitoring: Click to enter the recording interface.**

⑧ **Audio output: after carplay/auto phone projection,the phone's Bluetooth can connect to Bluetooth headphones to play music or answer calls.**

⑨ **Video playback: Click to view videos on the video screen.**

⑩ Setting: Click to perform function setting.

Automatic brightness adjustment:

The built-in light sensor at the bottom left of the machine can automatically recognize the brightness of the surrounding environment and adjust the screen brightness to improve comfort. In automatic brightness mode, the brightness can't be manually adjusted.

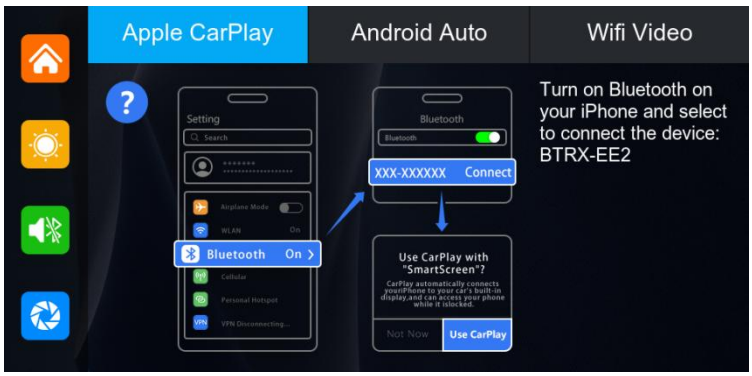
Click the " "button on the sidebar， then click" "to disable the automatic brightness adjustment function.

Lightly press " "to switch to automatic brightness mode.

Rain mode(Lock screen)：

To prevent the screen from being accidentally touched by raindrops on rainy days,you can press and hold the third button on the remote control box for 5 seconds to activate the rain mode. Once the mode is activated, the screen touch function will be disabled. Press and hold the third button on the remote control box for 5 seconds again to unlock.

A. Apple CarPlay



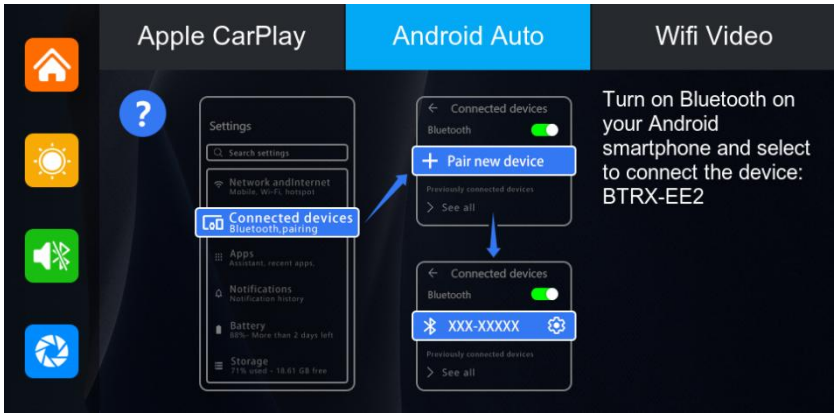
As shown in the picture, click the Apple Caplay button, then select the Apply carplay option. First, open the WiFi and bluetooth on your phone, as shown in the picture. The machine's bluetooth will automatically turn on and the name will be BTRX-XXX. Once the bluetooth connection is successful, apple carplay can be connected. (when the machine is powered on, it will try to automatically connect to the last connected phone)

Click the "Details" button to view detailed connection steps and common connection issues.

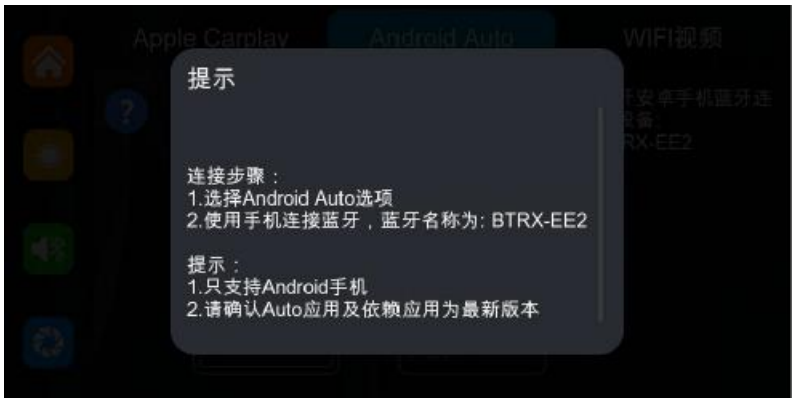
Click the shortcut menu: (Back to homepage), (back to video recording screen), (Volume adjustment) , Brightness adjustment)

(Apple CarPlay option only supports Apple phones. Please turn off the bluetooth button first, and then turn off the WIFI button in the phone settings to discounnect).

B. AndroidAuto

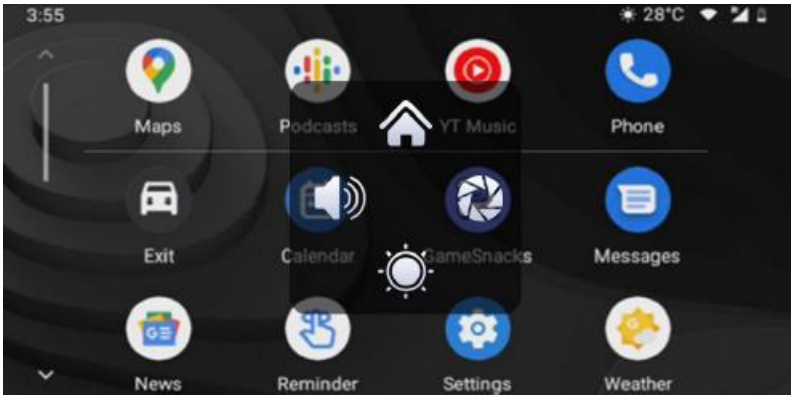


As shown in the picture, click the Android auto button, then select the Android auto option. First, open the WIFI and bluetooth on your phone, as shown in the picture. The bluetooth will automatically turn on and the name will be BRTX-XXX. Once the bluetooth is successfully connected, you can connect to the Android auto system. (when the machine is turned on, it will try to automatically connect to the last connected phone)



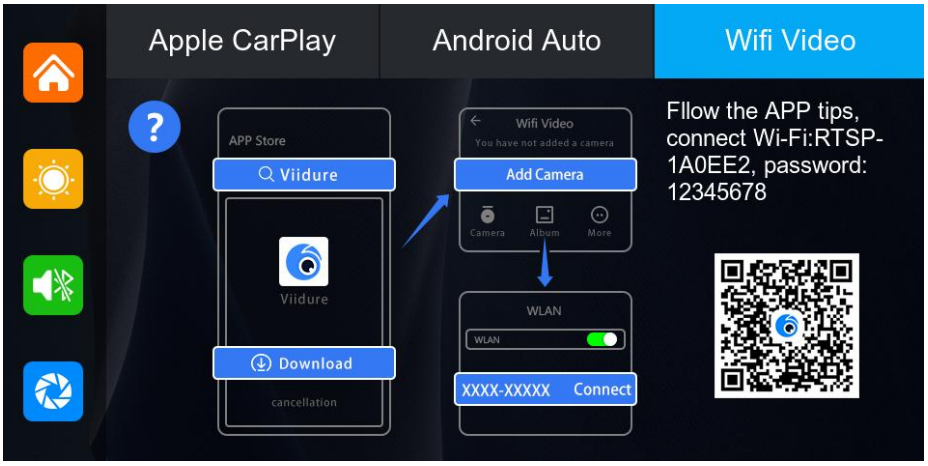
Click the “ Details” button to view detailed connection steps and common connection issues.

Click the shortcut menu:(Back to homepage, back to video recording screen, volume adjustment, brightness adjustment).



(Android Auto mode only supports Android phones, you can disconnect by pressing the wifi button）。

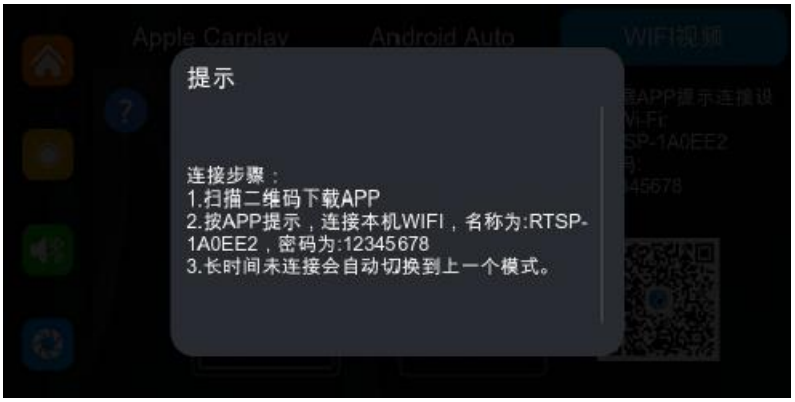
C. Wifi Video



As shown in the picture above, first scan the QR code and download the

corresponding application. After the download is completed, open the application and connect to the machine's WIFI as prompted. WIFI name: RTSP-XXXX, password as shown on the machine.

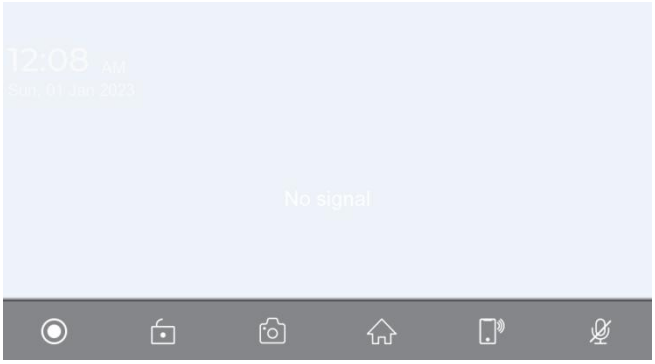
After connecting, the machine will enter the recording screen and no operationscan be performed. You can watch or download recorded videos, and adjust machine settings on your phone.



Click the " More information" button to view detailed connection steps and common connection issues.

(Disconnect by turning off the wi-fi button on your phone, and wait for one minute before operating on the machine)

D、Dashcam



As shown in the picture above, the camera image will not be displayed on the main page. Click the 【】button to view the camera image. When a card is inseted, the system automatically enters recording mode, and during recording, the

red dot in the “Dashcam” button will blink.

	Click to start recording, and click again to step recording.
	Click to lock the video with one clink
	Click to take a snapshot with one click.
	Click to return to the main interface.
	Click to quickly return to the mobile internet interface.
	Click to turn on or off the recording sound

E, Autio output

After connecting to Apple carplay or Android auto for screen projection, you can use your phone’s buletooth to connect to the motorcycle Bluetooth headset. After successful connection, all sounds from the device will be transmitted.

If the sound is abnormal , please disconnect your phone from the earphones.

F、Video Playback

Click the Video playback button to enter the video playback interface, as shown in the figure.

You can choose the Video, photo, locked video folders and delete, lock, or unlock videos by clicking the selection button on the right side of the file.

Click to play or pause the video. Click to switch to the next video or photo. Click the full-screen button or pause the video. Click to go back to the previous screen.

十二、Settings

Click the settings button on the homepage to enter the settings interface, as shown in the figure.

Icon	specification
Camera system	Click camera system to enter the settings: Support720P/N and 1080P/N, two resolution options, default is 1080N. Note: choosing and irrelevant camera system may cause abnormal display and video image. If the display or color is abnormal, please check if the corresponding camera system is selected.

 Resolution	Click resolution to enter the recording resolution settings: resolution options are 1080P/720P, default is 1080P
 Segmentation time	Click segmentation time to enter the video segmentation time settings: video segmentation time options are 1 minute/3 minutes/5minutes. The system default is 1 minute.
 Recording sound	Click recording sound to enter the settings: You can choose to turn if off or on.
 Rearview sound	Click recording sound to enter the settings: You can choose to turn if off or on. This option makes it easier for customers to install the camera flexibly.
 Language	Click Language to enter settings: Lanuage can be set to Simplified Chinese/Traditional Chinese/English/Russian/Spanish/French/German/Italian/Portuguese/ Japanese/Korean
 TIme settings	Click Date and time to enter settings: Individual settings:Year, month, day, hour, mintue/Second/time format
 Brightness	See below for details

Storage information	Click storage information to enter the menu: you can view the SD card information. The first item indicates the remaining available capacity, and the second item indicates the total capacity.
Format	Click format to enter setting: This option will format all date information on the inserted SD card.it is recommended to manually format when inserting the SD card for the fist time to ensure sufficient card capacity. Note: It is recommended for users to manually to format the SD regularly.
Restore factory settings	Click restore factory settings to enter settings: restore factory settings, the system will restore all settings to the initial state.
Software version	Click firmware version to enter the menu: This option shows the current basic version for easy confirmation

Brightness

You can turn on or off automatic brightness, and you can also set the minimum and maximum values for automatic brightness.

After turning on the automactic brightness mode, you can’t manually adjust the volum, drag the left white dot button to set the minimum brightness value, and drag the right white dot button to set the maximum brightness value. After setting, it will be saved automatically. You can click close button to exit the settings.

FQA

Number	Problem	Solution
1	Unable to start (Support use 12-24v for car use, high voltage can’t be used)	①Check if the voltage reduction wire is securely connected or damaged. ②Check if the power plug fuse is disconncted or burned out.

2	Touch screen not working	① If the touch screen is not working when starting up, wait for normal startup before operating. ② Check if the touch screen is demaged, avoid using sharp objects to touch the screen to prevent scratches and damage.

3	No image from the camera	1. Purchase the manufacture's compatible camera before use. 2. Check if the Hardwire cable head interface is loose. 3. Check if the camera system matches.
4	Overheating and jamming of the machine	Avoid direct sunlight or exposure when using. When the temperature is too high, the device will automatically protect and stop working.
5	Carplay unable to connect	1. The first connection may take longer. 2. Only ipohone supports caplay. 3. Check if the phone's wifi and bluetooth cuntions are working properly. 4. Go to phone settings, general, carplay, deleted all records and reconnect. 5. Restart the iphone and reconnect.

6	Auto unable to connect	1. only support Android phones 2. Update the Auto-related programs on the phone to the latest version. 3. Do not enable the VPN function while screen mirroring。 4. Check if the WIFI and bluetooth function on the phone are working properly。 5.Restart the android phone and reconnect.
7	WIFI Video unable to connect	1. Try upgrading the application version. 2. Check if the machine's SD card exists. 3. Check if the machine's mode is switched to wifi video mode.

Product specification

Model	F85 DVR 5.5inch
Chipset	High-performance SOC
Wireless function	Apple Carplay, Android Auto. Wifi Video
Screen	5.5inch，960*480
Storage	SD card 256G Class 10
Wireless module	Wifi ，bluetooth
Camera	Front and rear dual cameras
Microphone	Built-in
Digital display line control	Display battery voltage and shortcut key control
Operating	input：12V-24V Output：5V2.5A
Power	Not exceeding12.5W
Size	150.2*77.6*17.2MM
Weight	约 182g
Material	ABS/PC

FCC WARNING

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.

Any 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.

To maintain compliance with FCC’s RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.