

C6D Installation Guide

V1.0



Instructions

1. Product installation should be performed by a professional staff, and the use of the vehicle's power system by non-professionals staff may be dangerous.
2. Please read the tool list section carefully and bring your own installation tools before installation.
3. Please read the packing list section carefully and check it when unpacking.
4. Observe the vehicle environment before installation. Follow the principle below:
 - a. Installation location and routing do not affect the driver's vision.
 - b. The location of host's lens must be installed within the working range of the wiper.
 - c. The location of lens of slave should not affect the position of rearview mirror.
 - d. 4G dual antenna position, can not affect the host installation and routing.
5. The appropriate installation location should be selected according to the vehicle environment. This document is for reference only.
6. The appropriate power-receiving method should be selected according to the vehicle environment. This document is for reference only.
7. If there is a problem with the installation of a special vehicle, please contact the supplier for support.
8. Use smart phone to scan the following QR code, download and install **FT Easy Check** Application.



IOS (Apple Store)



Android (Google Store)

1. Overview

The streamax C6D-M is a cost-effective device developed for in-vehicle remote video surveillance. Its characteristics are as follows:

- ✧ The product is mainly composed of two parts: the host (external camera) C6D-M, the slave (inside camera) IP836C6D;
- ✧ 3G/4G, Bluetooth, WIFI, 6-axis and other functions are integrated;
- ✧ Record vehicle trajectory in real time for background analysis;
- ✧ SD card video storage, up to 256GB;
- ✧ Support IP voice intercom function;
- ✧ Special file system, secure video data, and protect personal privacy;
- ✧ Industrial design, aluminum alloy casing, large-area heat-dissipating teeth, good heat dissipation effect, the product can be used stably for 5-8 years;
- ✧ The product is small and light, and is attached to the glass behind the rear view mirror. The installation is convenient and fast, and does not obstruct the driver's sight;
- ✧ The internal 720P camera has infrared and recording functions to clearly capture the scene inside the car.
- ✧ The external 1080P camera can clearly capture the scene outside the car, which can restore the truth and facilitate the collection of evidence.
- ✧ The installation of the alarm button is concealed, which is convenient for the driver to promptly report the accident and ensure the safety of the driver;

2. Packing List

Open the package to check the bill of materials, the list contains the following items:

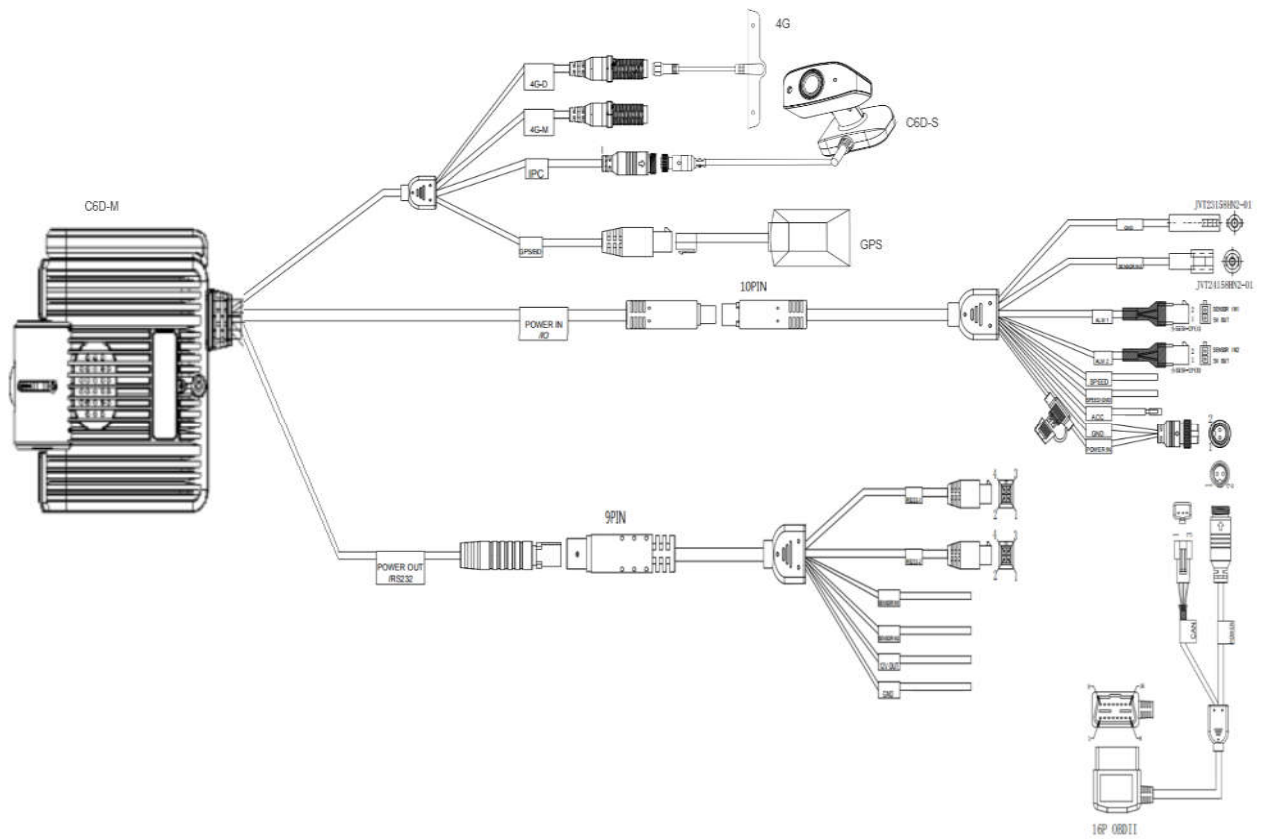
List of materials				
Serial	picture	Tool name	Applications	Number
1		C6D host	Front camera	1pcs
2		C6D slave	Inner camera	1pcs
3		4G antenna	Communication antenna, amplification signal	2pcs
4		External GPS module	locate function	1pcs
5		Alarm button	Trigger an alarm in an emergency	1pcs
6		10PIN power cable	Power input cable with PB alarm input	1pcs
7		16PIN_OBD male adapter cable	Adapter cable,take power from the vehicle OBD	1pcs
8		9PIN serial cable	IO alarm input, RS232 serial port	1pcs
9		T8 Torx Wrench	1. Adjust the lens screw 2. Fasten the bottom cover 3. Install SIM card and SD card screw	1pcs
10		Dry and wet paper	Clean the installation position on the windshield when pasting	2pcs
11		SD card	File storage, depending on the order requirements, may or may not include an SD card in the package.	1pcs

3. Installation Tool List

Before installation, you need to prepare the following accessories and tools.

Tool list				
Serial	Picture	Tool name	Applications	Number
1		Phillips screwdriver	Remove the screw of the safety cover and fix the ignition signal lin	1pcs
2		Seesaw	For removing vehicle panels such as A-pillars	1pcs
3		Cable tie	Used for strapping thread	Several
4		Dry cloth	Used to clean the countertop	1pcs
5		Smart phone	Used to install Easy Check software for video preview and parameter configuration	1pcs
6		Marker	Used for host installation drawing	1pcs
7		Cutting pliers	For shearing and stripping cables of vehicles without OBD interface	1pcs
8		insulated rubber tape	Used for dressing thread ends	1pcs
9		U disk	Used for upgrade, reserve	1pcs

4. System Diagram



5. Installation Steps

5.1. First step, load the SD card and SIM card

1. Use a T8 Torx wrench to turn the screw on the right side panel of the C6D host counterclockwise;
2. Open the panel and load the SIM card as shown below;



3. According to the order requirements, if the SD card is a non-standard material, you need to load the SD card as shown below.



4. After loading the SIM card and SD card, re-close the panel and tighten the screws clockwise.

5.2. Selected Installation Location

Observe the interior environment of the vehicle, select the installation location of the host and slave. The recommended installation location and routing mode are as follows:

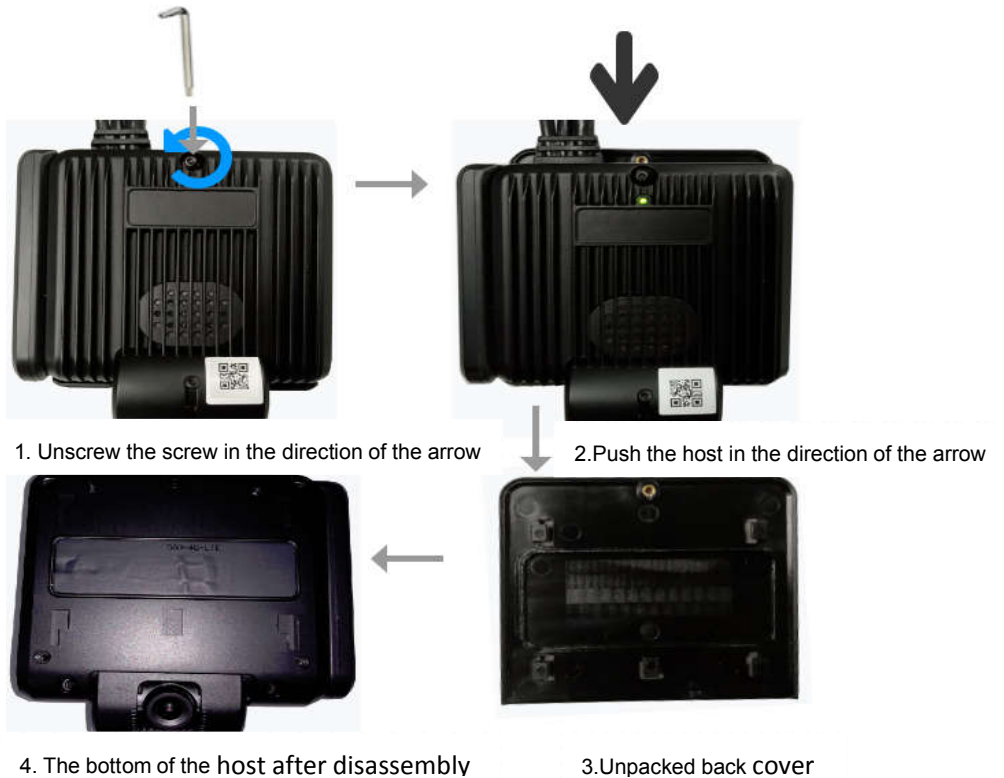


Note:

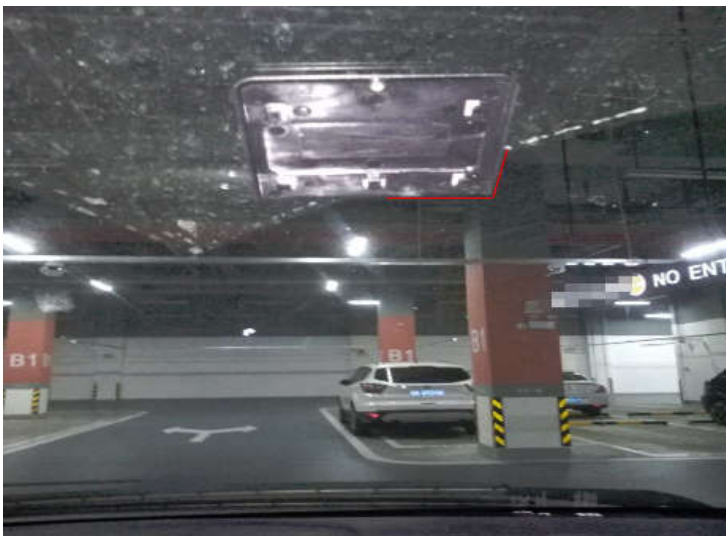
Do not tear 3M adhesive tape, first select the position of the host and slave, and mark it with a marker:

5.3. Install C6D Host

1. The main camera lens should be placed on the windshield as much as possible, but should still be located in the wiper working area.
2. Unpack the bottom cover of the main unit and proceed as follows.



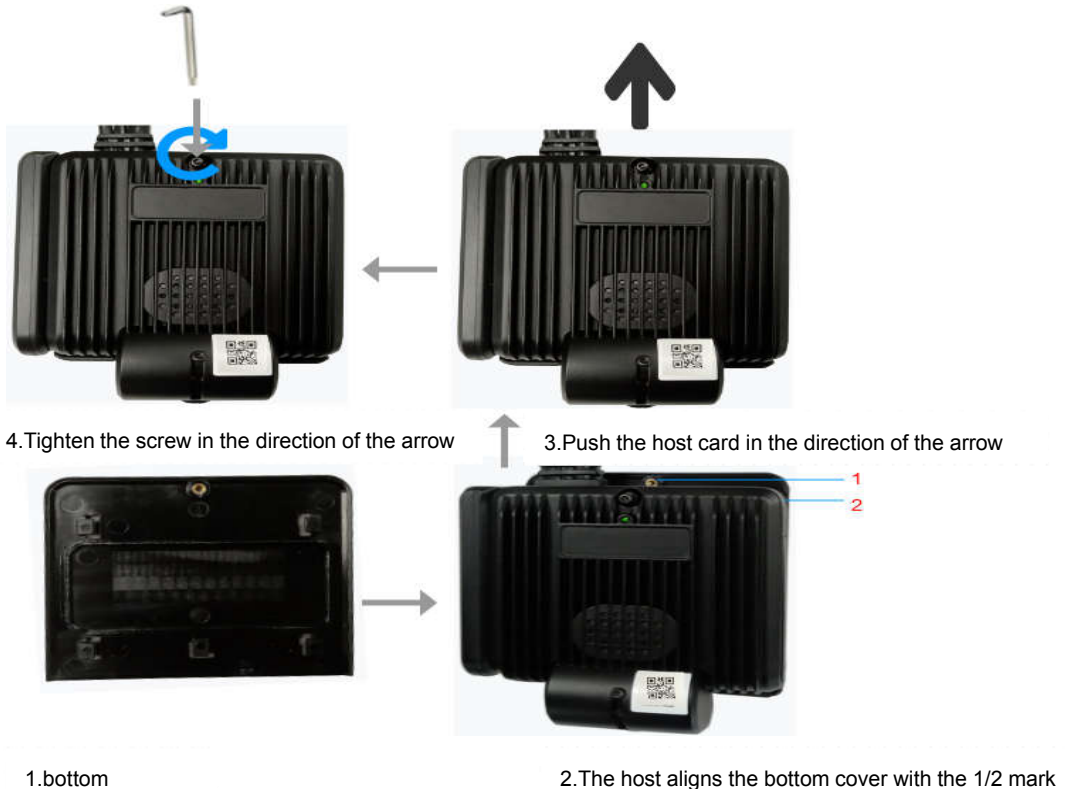
3. Use the C6D host bottom cover to compare the installation position first. In the center of the windshield, at the position where the middle cover buckle and the glass wiper line coincide with each other, draw a right angle with a marker and mark the installation position, as shown in the figure below.



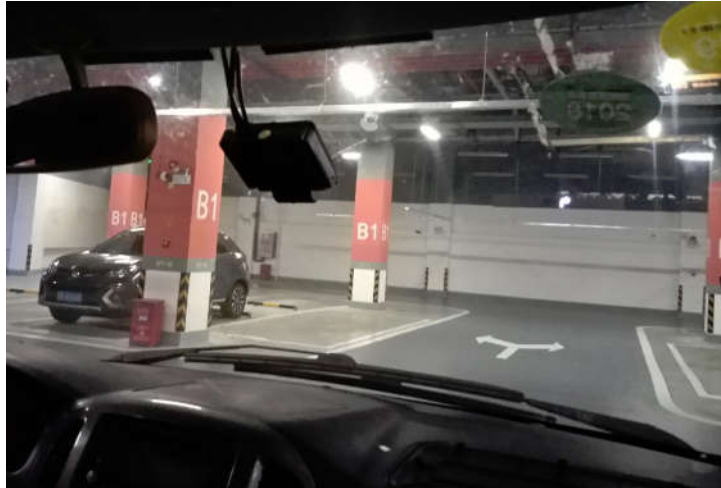
4. Wipe the installation location with an Dry and wet paper and make sure the glass is clean and dry before installation.
5. Remove the 3M adhesive tape from the C6D host base, place it in the specified position, and firmly press and hold the recorder for 1 minute.



6. Then fasten the C6D host to the base and secure the main unit with a wrench.



7. The effect after installation is as follows:

**Note:**

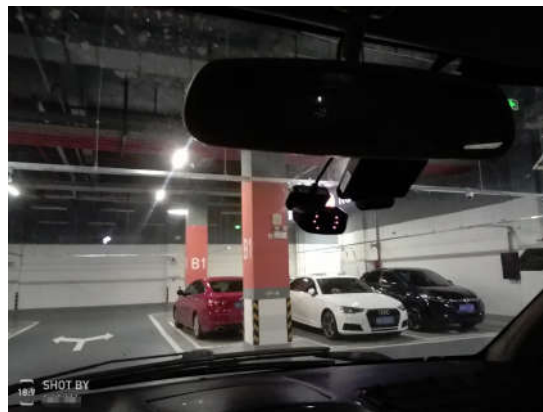
1. The host is installed behind the rear view mirror. It is convenient to take the card and install the card and scan the QR code.
2. Make sure that the temperature of the windshield is not too hot or too cold during installation. It is recommended to be between 10 ° C and 28 ° C.
3. The host and the bottom cover screws are not fastened at the factory, and the bottom cover can be pushed up and down.
4. Do not remove the bottom cover, the main unit and the bottom cover should be installed together, and the position should be horizontal.
5. When marking the installation position of the bottom cover, use a ruler to resist the roof to ensure that the bottom cover is installed in the horizontal direction.

5.4. Install C6D Slave

1. Rear view mirrors and sun visors should not be affected after installation of the slave camera.
2. Use C6D slave to compare the installation location first, and mark the installation location with a marker at a right angle. It is recommended to install the slave position on the left side of the main unit, with a spacing of 2cm. The lower edge of the bottom cover of the machine is 0.5~1cm beyond the bottom cover of the host.



3. Wipe the installation location with an Dry and wet paper and make sure the glass is clean and dry before installation.
4. Remove the 3M adhesive tape from the C6D slave base, place it in the specified position, and firmly press and hold the recorder for 30 seconds.

**Note:**

1. The same vehicle can be installed directly in a fixed position.
2. For non-same models, it is recommended to turn on the slave lens first, compare the screen effects, and select the appropriate position to install.

5.5. Connecting Cables and Wiring

1. Connect the power cable, serial cable, 4G antenna, GPS antenna, PB button and all cables. Plug the extension of the C6D cable into the panel of the roof to the A-pillar to conceal the cable.
2. Open the A-pillar panel;
3. Unscrew the fuse box panel;
4. Extend the power cable from the A-pillar down to the fuse box/power supply. The

wiring diagram is as follows:

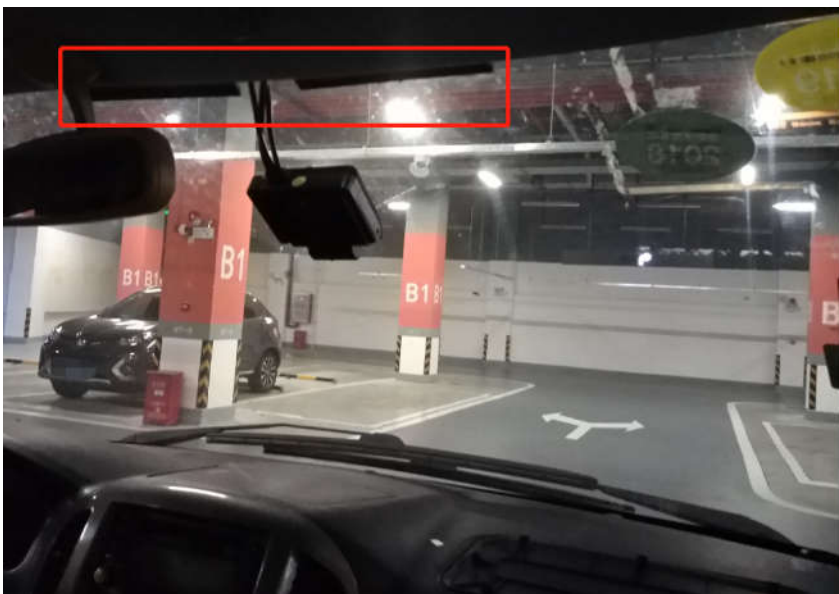


Note:

1. It is necessary to use the seesaw tool to disassemble the panels of the A-pillar and the fuse box.
2. If you can't plug the cable into the roof of the A-pillar, you need to stick it to the roof with a line card.

5.6.Fixed 4G Antenna

1. Plug the 4G dual antenna cable extension into the roof panel.
2. Paste the 4G antennas on both sides of the C6D host cable, close to the roof.
3. The two antennas are separated by at least 5 cm. The installation diagram is as follows:



Note:

1. Paste location can not block driver vision and impact of the car original equipment.

5.7.Fixed GPS antenna

1. Take the GPS antenna out of the lower end of the A-pillar and paste it horizontally on the center console.
2. Arrange the redundant cables and hide them in the A-pillar. The installation diagram is as follows:



5.8.Fixed alarm button

Connect the alarm button to the input end of the serial line alarm button, pass under the steering wheel, and fix it at the left side of the column in the steering wheel to facilitate the driver's operation. The recommended installation location is as follows:



Note:

1. If the alarm button is routed from the center console, it needs to be fixed with a line card.
2. The alarm press button can be attached to the left or right, and can be fixed according to the driver's left and right hand operating habits.
3. The installation location of other models can be determined according to the actual situation.

5.9. Connect Power and Signal Lines

1. Find the OBD interface of the vehicle and confirm that the OBD is a standard interface (interface definition: 4 is ground and 16 is power supply)



2. Connect the ACC line on the OBD male adapter line to the vehicle ignition line;
3. Connect the OBD of the OBD male adapter cable to the vehicle OBD;

Note:

1. Before connecting the ACC cable to the vehicle ignition wire, make sure the vehicle power is off.
2. Make sure that the vehicle OBD interface is a standard OBD interface, otherwise you need to take power from the fuse box.
3. The OBD extension cable is standard to facilitate powering from the vehicle OBD interface, but it is necessary to connect the ACC ignition wire from the fuse box.
4. If the vehicle OBD interface is already in use, an additional standard OBD double-ended patch cord is required.

5.10. Ignition and Commissioning

1. Please use the QR code on the phone scan installation guide to download and install

the operation assistant app.

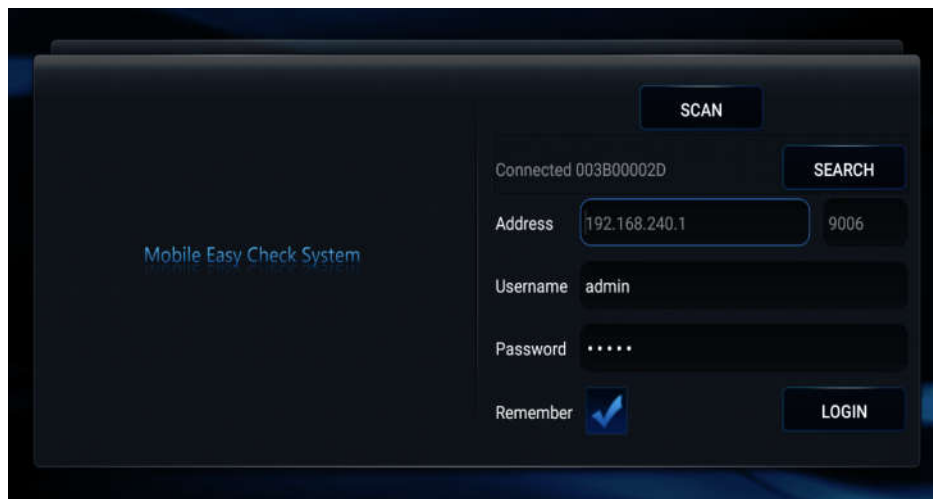
2. After installing the C6D components (C6D host and slave, GPS module, 4G antenna and alarm button), turn on the ignition switch of the vehicle to start the vehicle, and the C6D video recorder is powered on. The C6D host will have an LED status indicator during the boot process. The status is as follows:

- a. During power-on process, the indicator light is steady red.
- b. After the startup is complete, if the indicator light is steady green, it indicates that it has been running normally.
- c. If the indicator is flashing red, it indicates that the startup is complete, but there is a module failure, including the WIFI module does not exist, or the GPS module does not exist, or the 4G module does not exist, or the video is lost, or the memory does not exist.

3. After the C6D is turned on normally, run the APP software within 2 minutes (starting from the blinking of the indicator light), scan the QR code on the C6D host shell to enter the installation and debugging interface. Follow the prompts to complete the installation step by step.

5.10.1. Parameter Settings

1. Scan the QR code on the host shell. The QR code content is the encryption chip number.



2. The license plate number is empty, log in to the installation parameter shortcut settings page.

Server setup Communication Module

ON ☒

Protocol type N9M

Enable network WIFI

Register server IP 69.18.192.36

Register server port

TCP 22393

UDP 6222

Media server IP 69.18.192.36

Media server port

PREVIOUS NEXT

APN settings are only used when the customer has set up a private network. By default, they do not need to be filled.

Server setup Communication Module

Server type

Network type Mix

Dialing parameter

APN

User name

Password

Number

Certification CHAP

PREVIOUS NEXT

3. Click Next to go to the self-test page.

Self Check Result

Center Server 1	Server Connected Status	Disconnected
	Network Type	Communication Module 1
	Register Server Address	58.250.161.104
	Port	8100
Center Server 2	Server Connected Status	Connected
	Network Type	Communication Module 1
	Register Server Address	58.250.161.104
	Port	5556

PREVIOUS REFRESH NEXT

After all the above status self-tests are OK, you can click the OK button to enter the next step to enter the license plate number, as shown below.

Note, When the vehicle plate and the vehicle number are both empty, the next time you login, you will re-enter this setting interface

Vehicle Plate

Vehicle Num

PREVIOUS COMPLETE

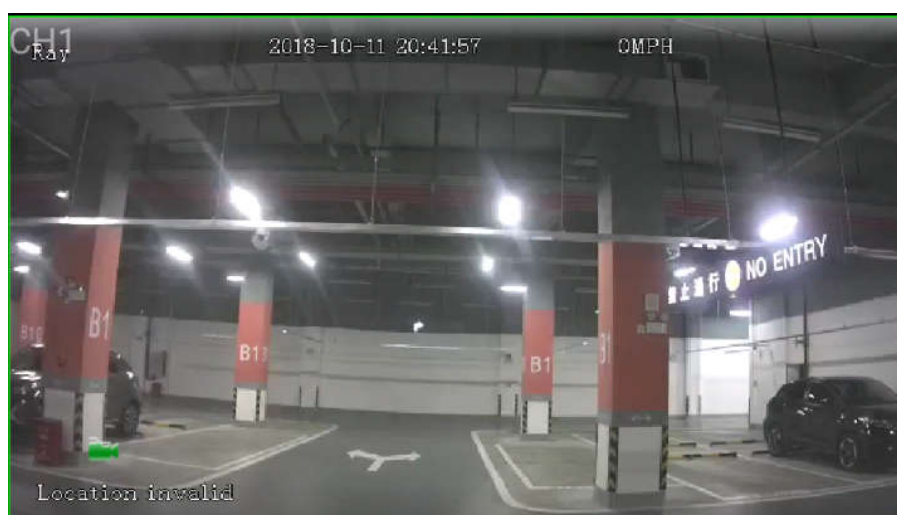
Otherwise the confirmation button is grayed out and cannot be operated. Allows you to re-check the settings in the previous step.

5.10.2. Lens Adjustment

Note: Do not dirty the lens when adjusting the lens. Try to remove the protective film on the lens after adjusting the lens position.

1. Host Adjustment

First use the configured wrench to loosen the C6D lens screw, play the video of the channel 1 of the Easy Check, move the lens up and down, and fix the lens when you are satisfied with the video display.



2. Slave Adjustment

First use the configured wrench to loosen the C6D slave lens screw and move the lens. The video requires you to see all the cab and steering wheel. When you are satisfied with the video, fix the lens.

**Note:**

1. You should complete the device login within 2 minutes after the C6D starts up normally.
2. In the installation and debugging interface, you must complete all configuration operations as prompted.

5.11. Last step

1. After configuration and debugging are completed, the redundant lines are organized and fixed.
2. Restore panels such as A-pillar panels and fuse boxes.
3. Wipe the work surface and turn off the vehicle.

The effect after installation is shown as follows:



6. Troubleshooting

6.1. Can't search for C6D devices on Easy Check?

1. Check the LED indicator on the device. If it is off, it means that it is not powered. If it is steady red, it indicates that it is starting up.
2. If the LED on the device is a steady green light, check if the device has been on for more than 2 minutes. If it is more than 2 minutes, you need to power off and restart the device, and log in to the device within 2 minutes after rebooting.
3. If the LED indicator on the device flashes red constantly, within 2 minutes of booting, and also confirm that the GPS, memory, camera and communication modules are present, the WIFI module does not exist.

6.2. The mobile phone network dials successfully but cannot connect to the server?

1. Check if the server address is filled in correctly.
2. Check if the signal strength of the mobile phone network is greater than 2 grids.

6.3. WIFI network cannot connect to the server?

1. Check if Easy Check has been completely logged out (Easy Check login interface does not prompt that this device is connected)
2. Check if the time to exit Easy Check has exceeded 2 minutes. You must exit Easy Check for 2 minutes before switching to Client mode to connect to the server.

6.4. Channel 2 preview display keeps video missing?

1. Check if the local IP address of the network setup interface is 192.168.1.99, and if not, modify it.
2. IPC setting interface, manually search IPC, check whether IPC can be searched. If IPC can be searched, the IP address of this IPC is 192.168.1.100, if not, modify it.

6.5. There is no video record mark on Easy check?

1. Check whether the operation and maintenance interface memory status is empty or unformatted.
 - (1) If it is empty, check if the SD card has been inserted. If the SD card has been inserted, check if the SD card is in normal contact.
 - (2) If not formatted, manually format the memory, The SD card and capacity information will be displayed after successful formatting.
2. Check whether the main stream recording parameter of the recording setting interface is enabled. If it is not turned on, it should be turned on manually.