Explosion-proof deployment monitoring ball

Installation | Use User Manual

Shenzhen Benmai Technology Co., LTD

catalogue

1、Explosive control ball disassembly steps

Tools used: including multi-purpose wrench, tweezers, and jack wrench.

Step 1: Use the multi-purpose wrench to insert the side cover hole at an intersection Angle. Press down vertically to loosen the fixing mechanism, and lift up vertically to achieve the fastening function.

as illustrated in following figure：

(1) Side cover hole position

(2) Multi-purpose wrench into the side cover hole position

(3) Multi-purpose wrench

Step 2: Remove the device side cover. Use your fingers to explore and locate the opening of the card slot along the side of the device. Hold the SIM/TF card with anti-static tweezers, and insert the card into the card slot with the metal contact facing down.

as illustrated in following figure：

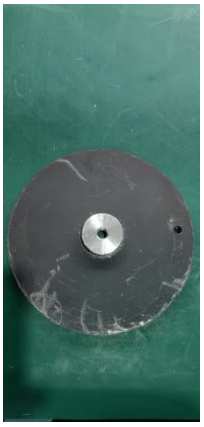
(1) Move your hand to the left and right of the middle hole to find the slot position

(2)Insert the SIM card and TF card into the slot with tweezers

Note: The SIM card should be oriented with the missing corner facing inward and the chip facing downward.

Step 3: Position the jack wrench vertically on the reserved suction cup interface to ensure secure

connection. Align the suction cup with the top mounting slot of the tripod and tighten clockwise to achieve full adhesion. Place the equipment gently onto the suction cup, then check the contact surface between the device's base and the magnet for flatness.



(1) Suction cup

(2) jack wrench

(3) jack wrench is installed on the suction cup

(4) Mount the suction cup on the tripod and tighten it

(5) Put the equipment into the suction cup of the tripod

Step 4: Slowly press down the jack lever to lift the equipment using the lever principle until a 2-3mm gap forms between the bottom magnet and suction cup (visible gap indicates optimal position). Hold the tripod base with your left hand for stability while gripping the handle with your right hand. Lift steadily upward vertically. If magnetic resistance is excessive, make minor lateral adjustments (≤5°) to break the magnetic seal before continuing the lift.

as illustrated in following figure：

Figure 1.1 Schematic diagram of the gap

Use a jack wrench to push the equipment up, the magnet and the suction cup are separated by a gap, then hold the triangle with your left hand and hold the handle of the equipment with your right hand to lift the equipment up and remove it.

2、Software debugging

1. Install PC client software

4GCMS Cloud Monitoring System Installation Program.exe, run 4GCMS.exe (obtain the software installation package from the manufacturer's technical staff or download directly from the website. Download address: http://www.m51c.com/static/upload/other/20240311/1710157158624608.zip)

Please note: When the firewall software prompts that this application is attempting to access the network, be sure to click "Allow". If you still cannot detect the camera, please disable the Windows Firewall and antivirus software such as 360. 360 software may sometimes cause the application to malfunction. We recommend uninstalling 360 and installing QQ PC Manager instead.

1.1. Local debugging

1.1.1.Open the initial interface of 4GCMS cloud monitoring

Figure 2.1 Initial interface of cloud monitoring

Note: If the interface is not displayed completely, select 100% in the computer display Settings and restart the system.

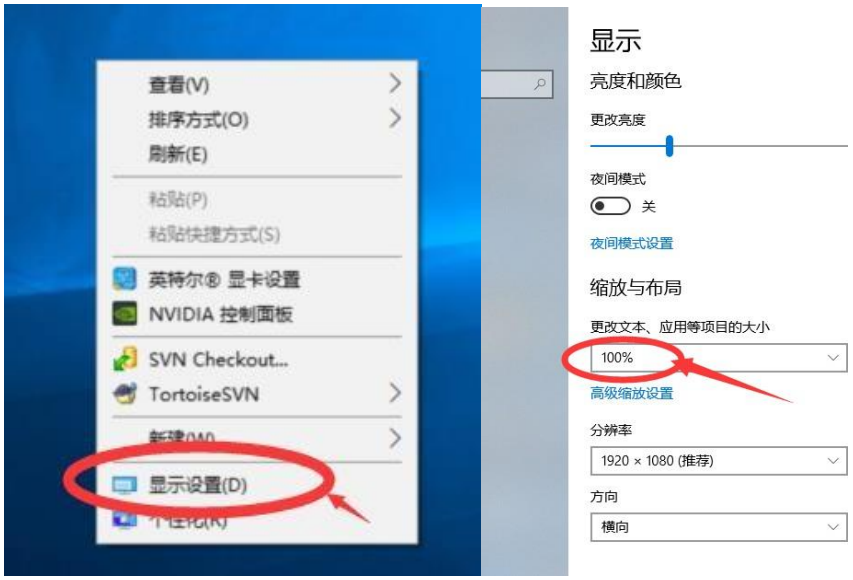


Figure 2.2 shows the setup operation

1.1.2.Scanning camera

Enter the interface and right-click "Local Device" -> "Local Search" or click the fourth button on the right top to scan the device.

Figure 2.3 Equipment scanning operation

1.1.3.Edit the scanned device

Search for the camera double-click or click the "edit" button.

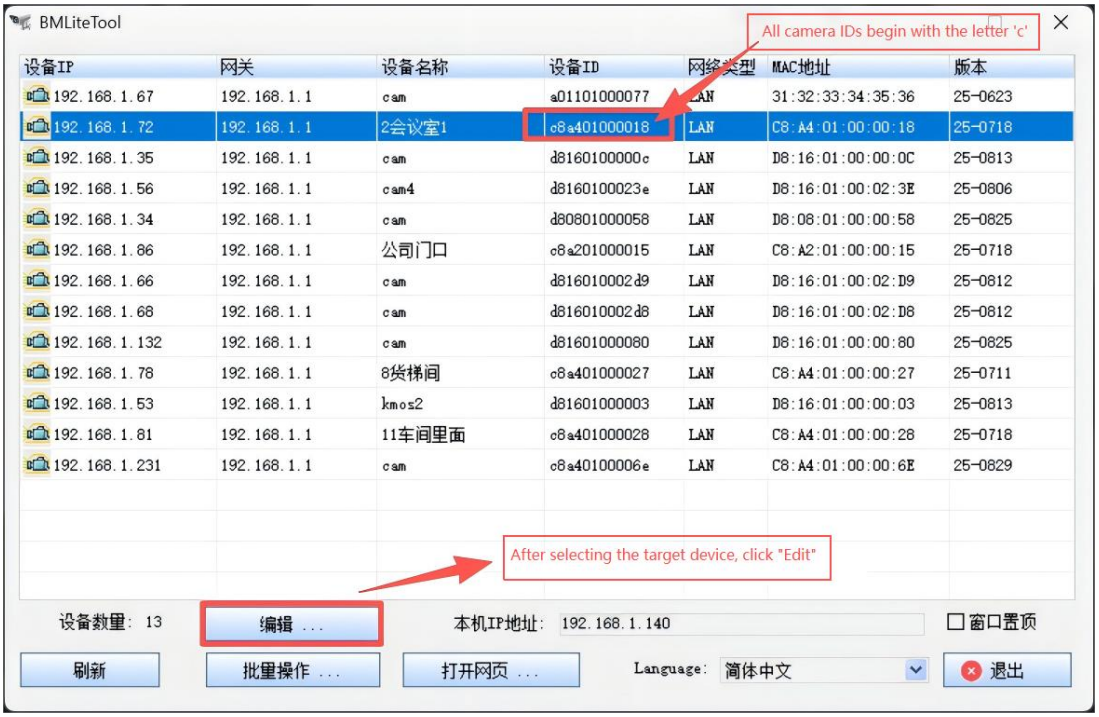


Figure 2.4 The Edit butto

Note: The camera ID starts with c and can be viewed in the device ID item.

1.1.4.Set the IP address

Set the IP address and click "Modify".

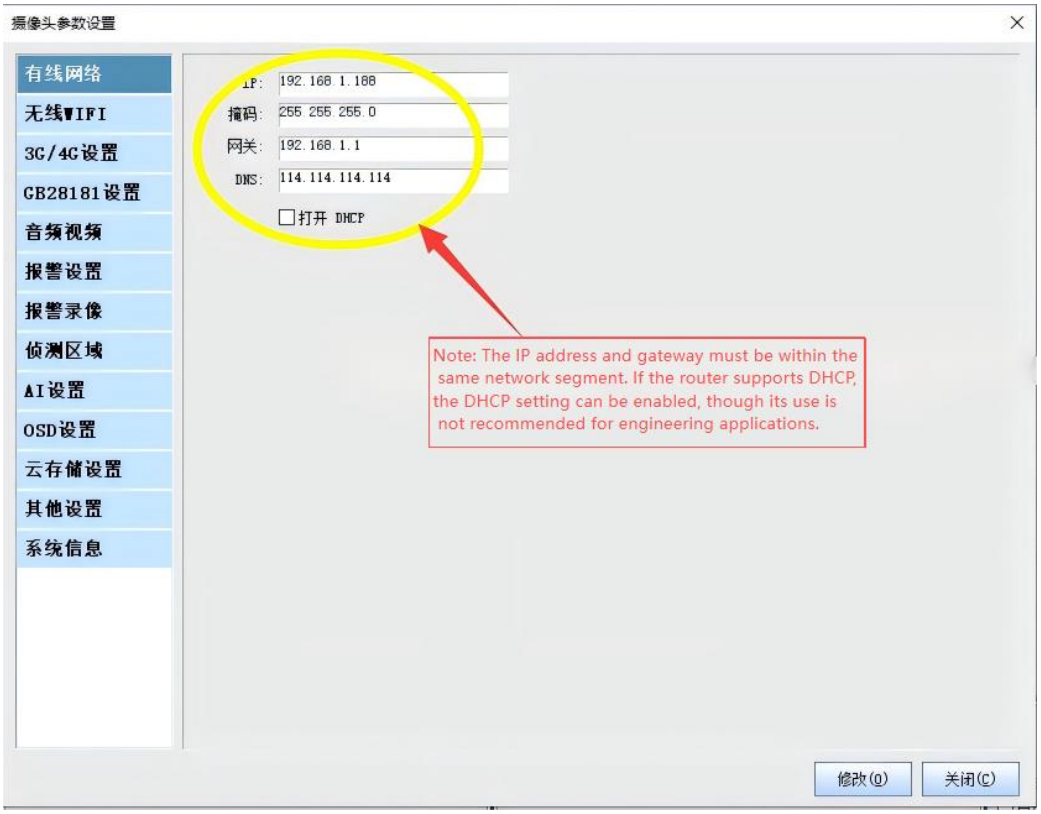


Figure 2.5 Modify IP address

Note: WiFi version parameter setting

In the Settings interface, select the "Wireless WiFi" item, enter the SSID and password, and then click "Modify".

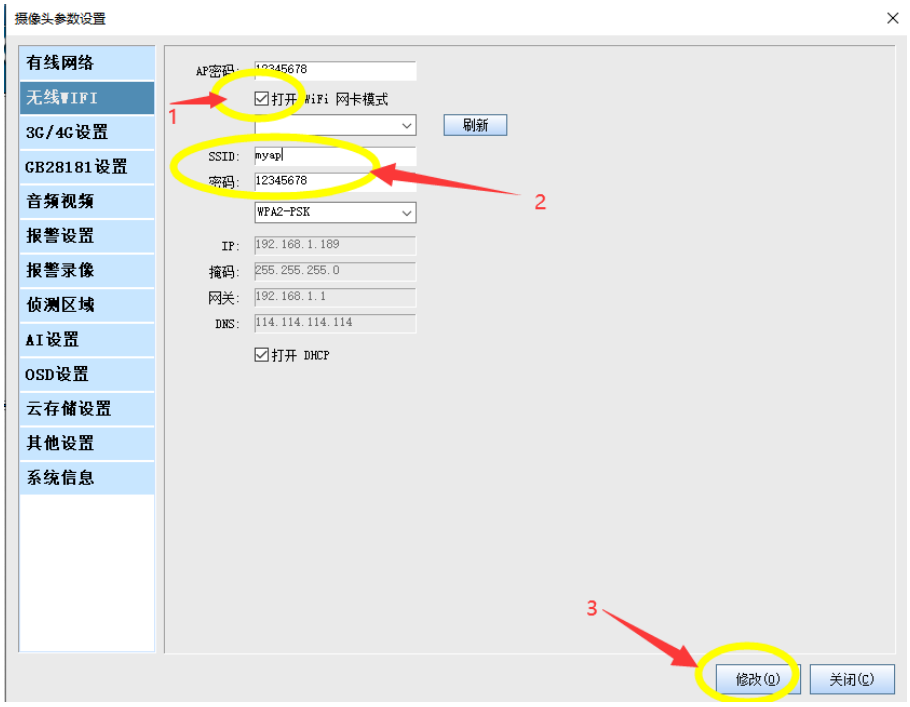


Figure 2.6 Modify WiFi parameters

1.1.5.Check network status

After setting the IP address, wait for the mainboard light of the camera to stay on. Select the device you want to view in the local device list-> right-click menu-> "View Device Status" to check whether the camera is connected to the platform.

Figure 2.7 Check network status operation

For the deployed surveillance dome camera shown in the figure below:

Figure 2.8 Schematic of the LED constantly lit on the deployment control dome camera

The LED of the control ball is always on, and you can see that the IP address of 4G has changed from 192.168.1.1 to another address, indicating that the network is successful and can be used.

Note: For the devices used in the Intranet, the connection platform is not required. It is normal for the light to be flashing.

1.1.6.View video

Double-click the online camera in the local device list to see the video, as shown in Figure 2.9:

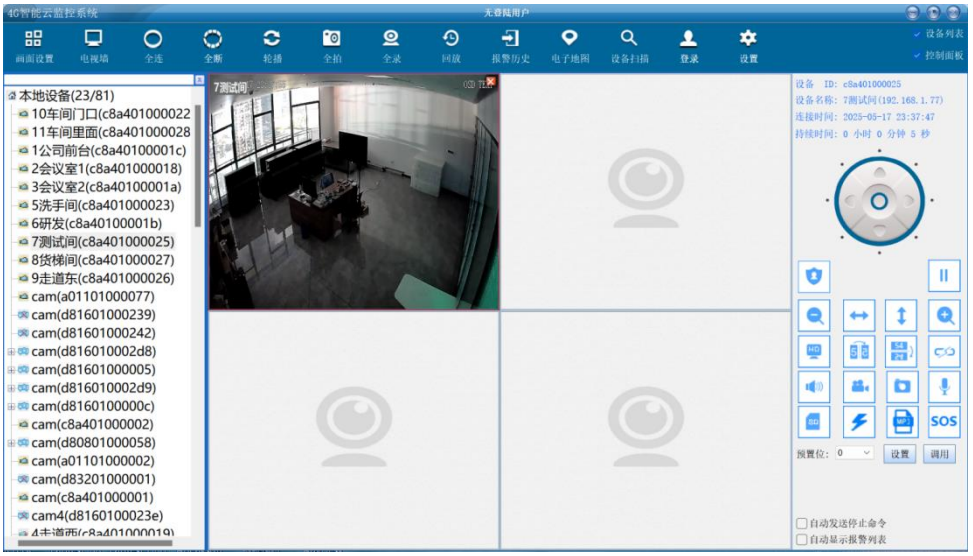


Figure 2.9 List of local devices

1.2. Set the GB28181 parameter

The system currently supports dual access to the GB28181 platform.

For the first national standard platform parameters, as shown in Figure 2.4 steps, after entering the equipment editing interface, select the "GB28281" option on the left to modify.

According to the address of GB28181, fill in the corresponding parameters.

Note that after setting the parameters, check the option to enable access..

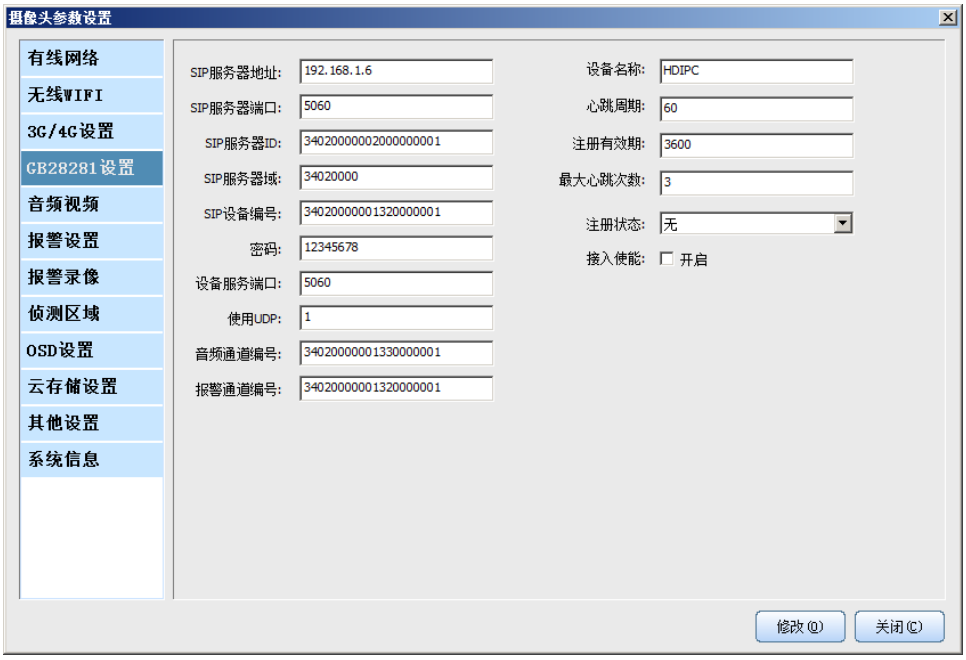


Figure 2.10 Settings for GB28281

For the second national standard platform access, right-click menu-> "Device Parameters", click the "GB28181 Settings 1" button in the dialog box:

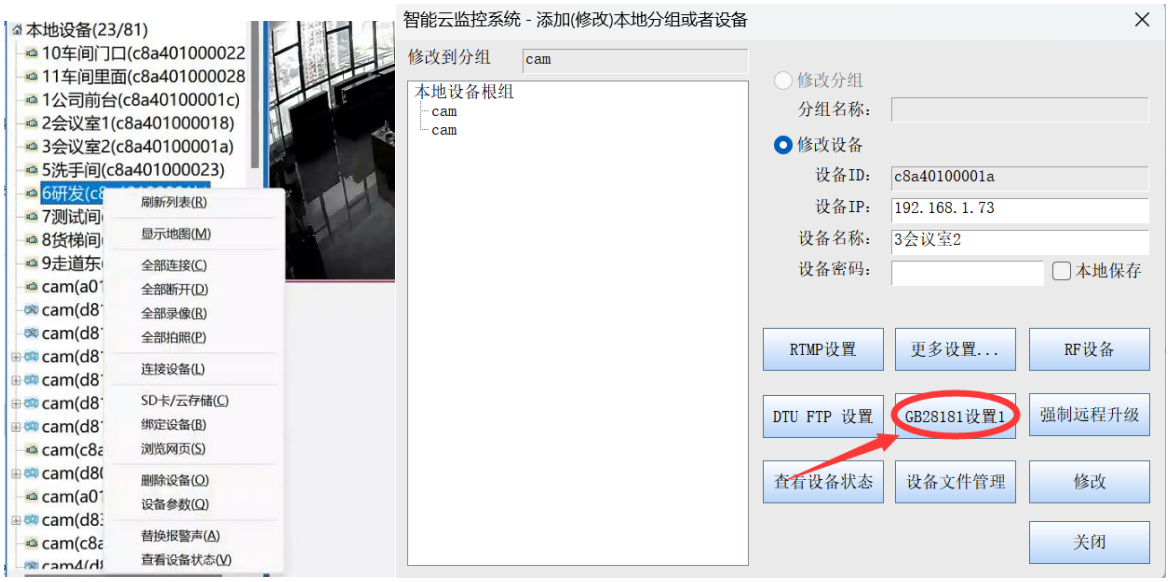


Figure 2.11 "GB28181 Settings 1" button

Fill in the parameters of the second national standard platform:

Figure 2.12 Fill the second GB28181 parameter

1.3. Audio and video parameter Settings

Figure 2.13 Audio and video parameter setting interface

For customers who are more technically knowledgeable, video resolution and bitrate can be adjusted here as needed. Customers who are less familiar with these settings may simply leave them at

default values. If the image appears unclear, increasing the bitrate may improve picture quality.

Currently, the 4GCMS software system supports only AAC audio format. If two-way audio over GB28181 is required, the audio must be set to G711A; otherwise, there will be no sound in the current software system.

Regarding Backlight Compensation (BLC):

When installing cameras, lighting conditions and areas of interest may vary. It is recommended to adjust the backlight compensation setting to suit the specific scene. A higher BLC value will make the image brighter, while a lower value will result in a darker image.

1.4. OSD set up

The content and location of the OSD can be set as follows:

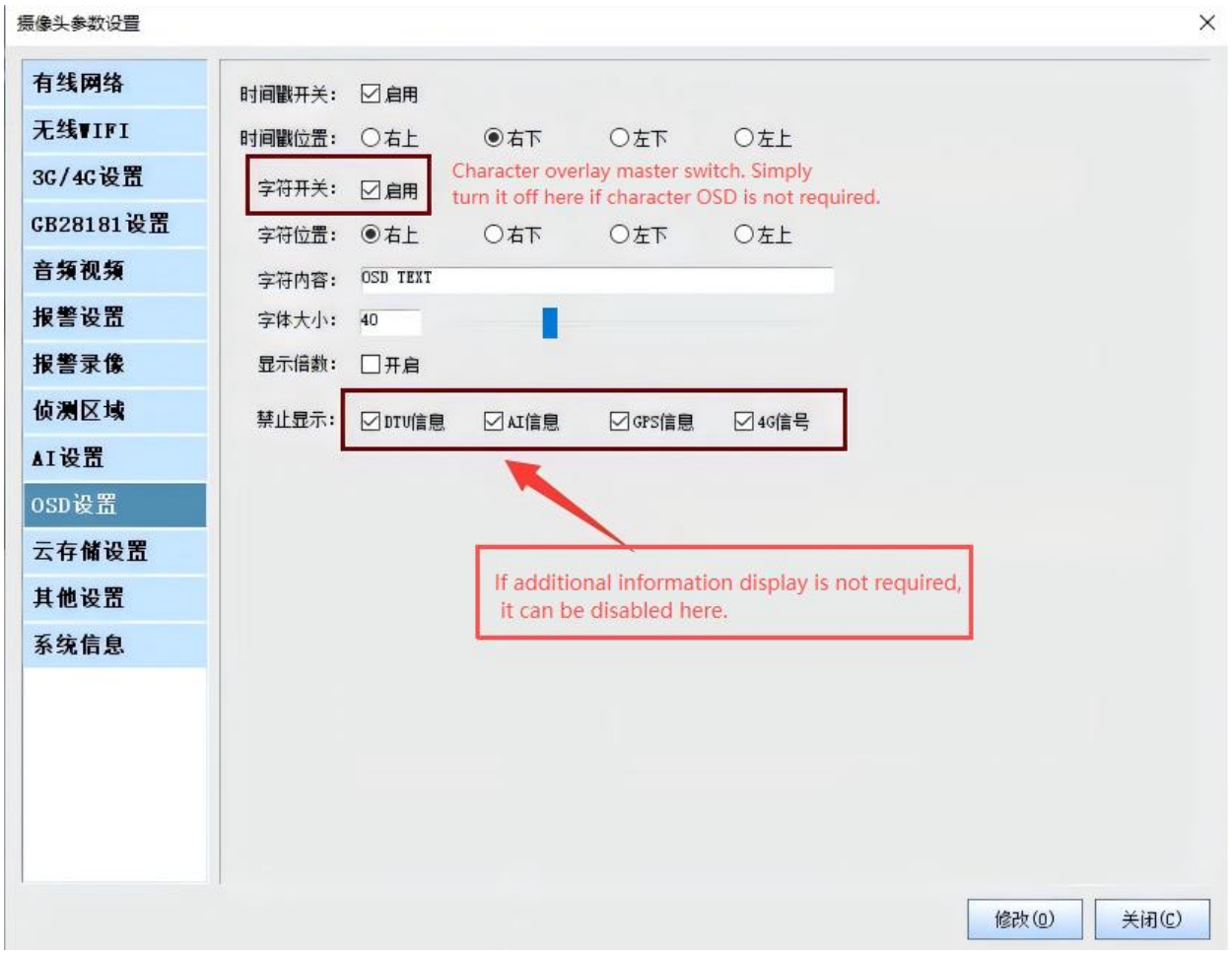


Figure 2.14 OSD Settings

1、Other notes

1. View 4G dialing status

If the dial fails, you can see that there is no network, no money and so on. The Settings are as follows:

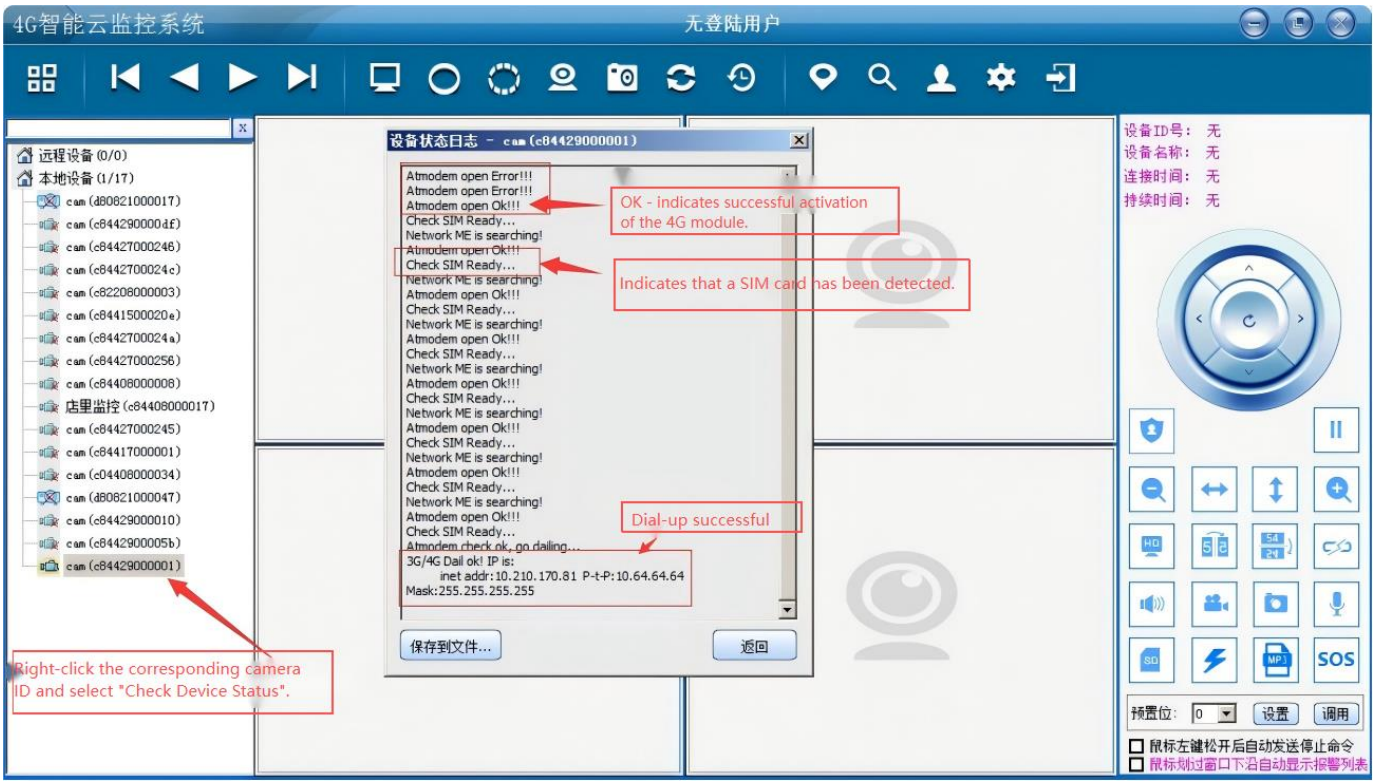


Figure 3.1 4G dialing status viewing operation