IC REALTIME

HD IR Quad Lens Panoramic Network Camera

Quick Start Guide

Table Of Contents

IMPORTANT SAFEGUARDS AND WARNINGS

Electrical Safety

All installation and operation here should conform to your local electrical safety codes. The power shall conform to the requirement in the SELV (Safety Extra Low Voltage) This series product supports 12V DC, 24V AC and PoE. Please note: Do not connect these two power supplying sources to the device at the same time; it may result in device damage! We assume no liability or responsibility for all the fires or electrical shock caused by improper handling or installation. We are not liable for any problems caused by unauthorized modification or attempted repair.

Transportation Security

Care must be given to avoid heavy stress, violent vibration or water damage during transportation, storage and installation.

Installation

Do not apply power to the camera before completing installation. Please install the proper power cut-off device during the installation connection. Always follow the instruction guide the manufacturer recommended.

Qualified engineers needed

All the examination and repair work should be done by the qualified service engineers. We are not liable for any problems caused by unauthorized modifications or attempted repair.

Environment

This series network camera should be installed in a cool, dry place away from direct sunlight, inflammable, explosive substances and etc. Please keep it away from the electromagnetic radiation object and environment. Please make sure the CCD (CMOS) component is out of the radiation of the laser beam device. Otherwise it may result in CCD (CMOS) optical component damage. Please keep the sound ventilation. Do not allow the water and other liquid falling into the camera. Lightning-proof device is recommended to be adopted to better prevent lightning damage. The grounding studs of the product are recommended to be grounded to further enhance the reliability of the camera.

Daily Maintenance

Please shut down the device and then unplug the power cable before you begin daily maintenance work. Do not touch the CCD (CMOS) optic component. You can use the blower to clean the dust on the lens surface. Always use the dry soft cloth to clean the device. If there is too much dust, please use the water to dilute the mild detergent first and then use it to clean the device. Finally use the dry cloth to clean the device. Please put the dustproof cap to protect the CCD (CMOS) component when you do not use the camera.

Accessories

Be sure to use all the accessories recommended by manufacturer. Before installation, please open the package and check all the components are included. Contact your local retailer ASAP if something is broken in your package.
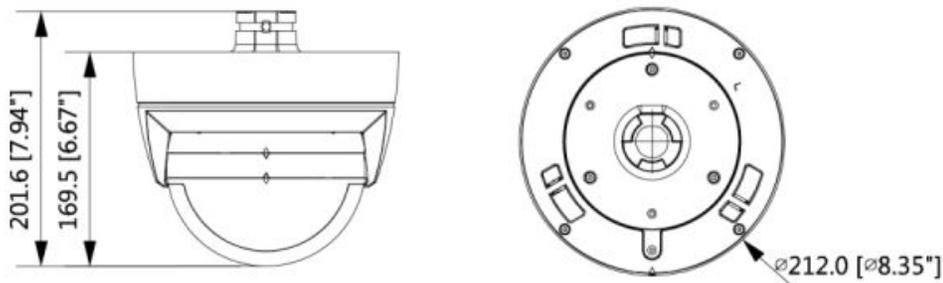
IC REALTIME

1A. OVERVIEW

This series network camera integrates the traditional camera and network video technology. It adopts video data collection and transmission together. It can connect to the network directly without any auxiliary device.

This series network camera uses standard H.264 video compression technology, which maximally guarantees the video quality. H.265 is available on some models.

The camera supports the IR night vision function. In the night environments, the device can use the IR light to highlight the object which is suitable for the surveillance function in the low illumination environments. The waterproof design conforms to the IP67 level. It has the sound waterproof function suitable for use in the outdoor environments.

It can be used standalone or with a network video recorder. If used standalone, it is able to utilize IC Realtime's software suite including Smart ICRSS, IC View and ICRSS Pro. This model also supports IC Realtime's P2P connection which allows easy remote connection.

1B. Camera Interface

Refer to Figure 1-1 for camera interface information.
Note: Your model may vary in appearance.
1. Power input (12VDC/ 24VAC) port if not using PoE. Ensure you are using the proper recommended power requirements for this camera
2. Network port: Connects to network, supports PoE/ PoE+.
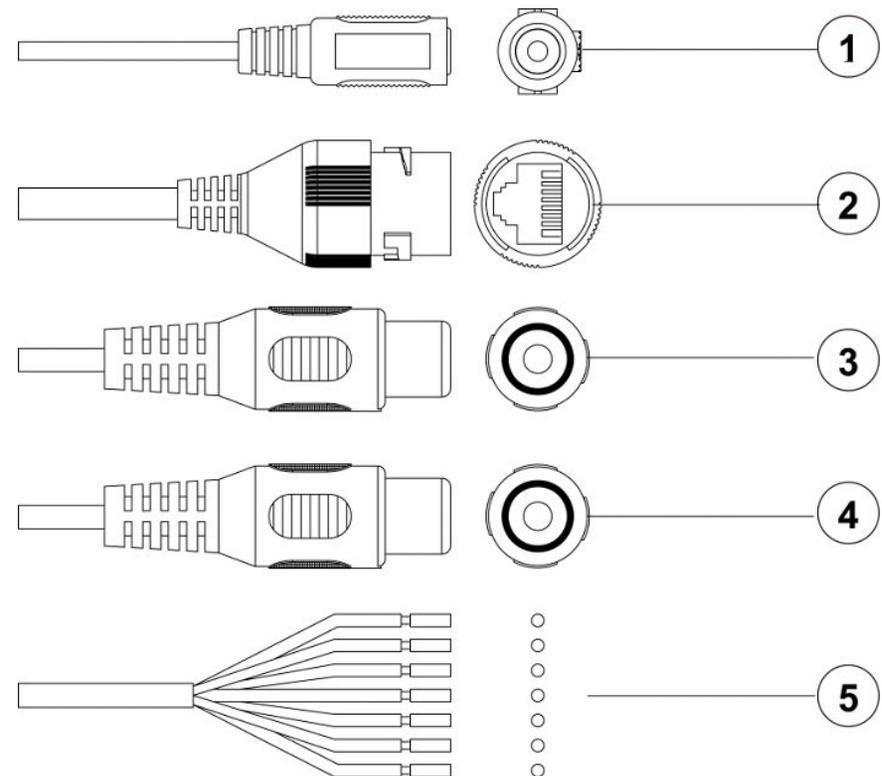3. Audio Input (RCA)
4. Audio Output (RCA)
5. Alarm I/O

Figure 1-1

IC REALTIME

2A. INSTALLATION STEPS

Step 1 Measure and drill out the mounting holes and cable exit, if necessary. Install the anchor screws into the mounting holes. See Figure 2-1
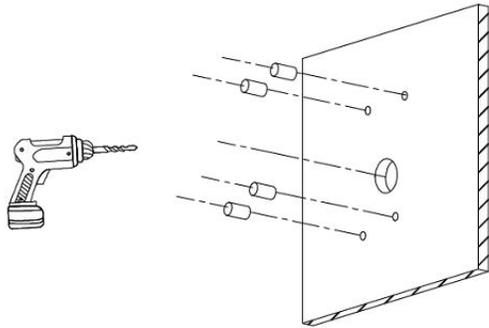

Figure 2-1

Step 2 Thread the installation screws into the Mount. See Figure 2-2.

Note: The mount shown is for example only. The mount is sold separately.
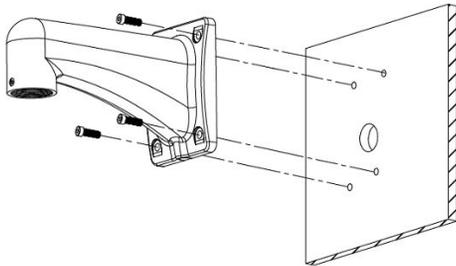

Figure 2-2

Step 3 Thread in the collar adapter and secure with locking screw as shown in. Figure 2-3.
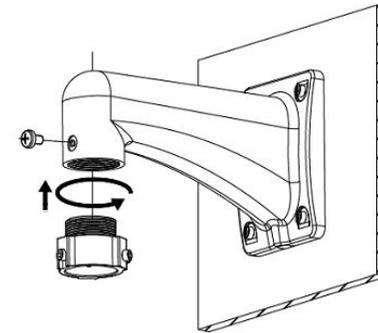

Figure 2-3

Step 4 Thread the cabling through the collar and base. Install the camera to the collar adapter and secure with set screws. Installation of support cable/ chain is recommended as well. See Figure 2-4.
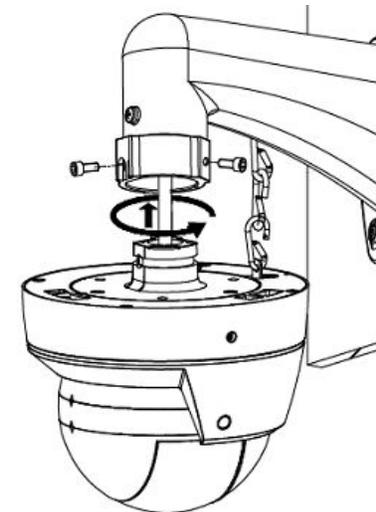

Figure 2-4

IC REALTIME

2B. Lens Adjustment (available in some models)

Locate the adjustment knobs as shown in Figure 2-5.

Vertical and image rotation fixing screw
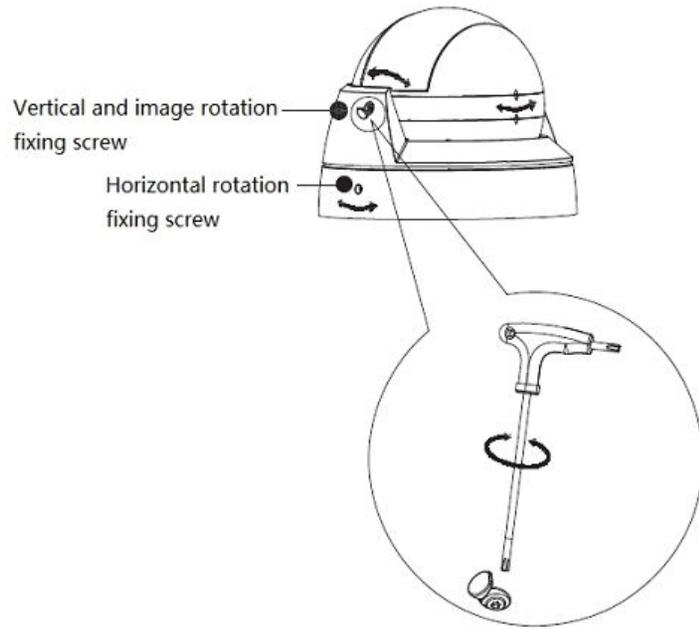
Horizontal rotation fixing screw

Figure 2-5

2C. Waterproofing Connectors

For outdoor installations, waterproofing with the included connectors is necessary. See Figure 2-6 for installation steps.
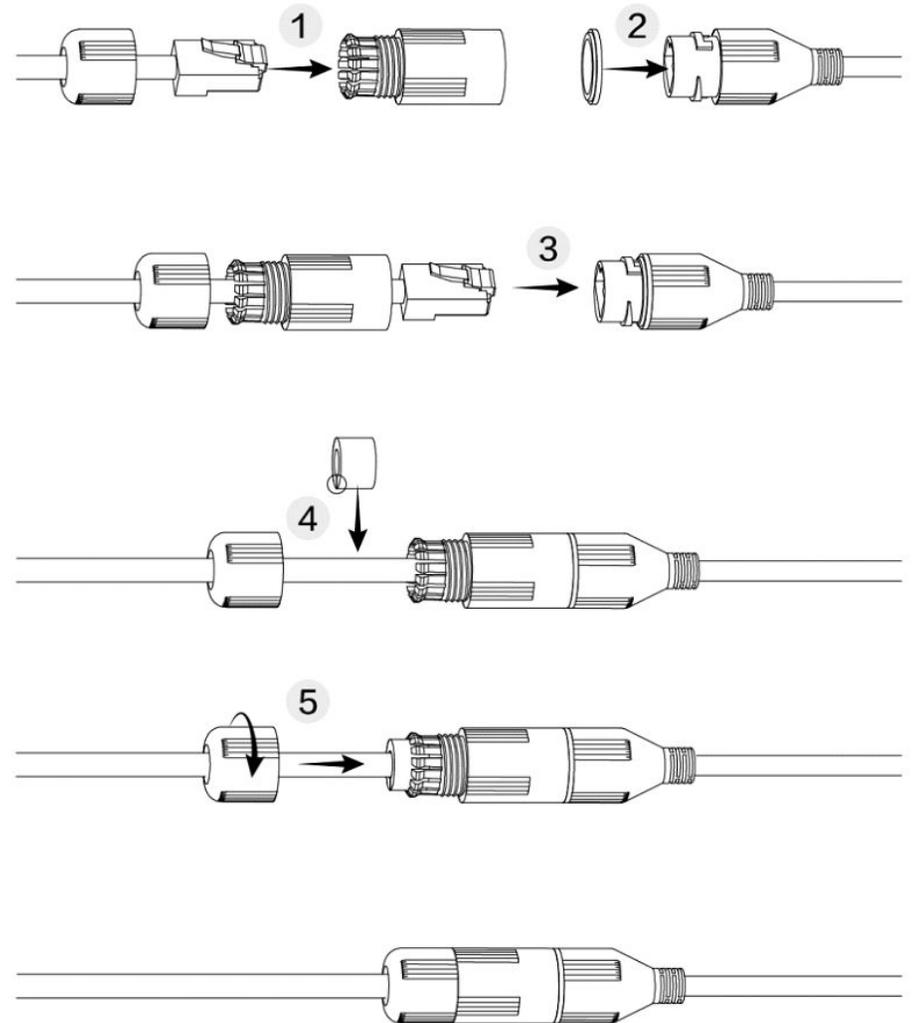
Figure 2-6

2D. RESTORE FACTORY DEFAULTS AND SD CARD INSTALLATION

Important: *Make sure the device is powered when attempting to press RESET button.*

Step 1 Refer Figure 2-7 for access panel location. Remove the panel to access SD card slow and reset button.
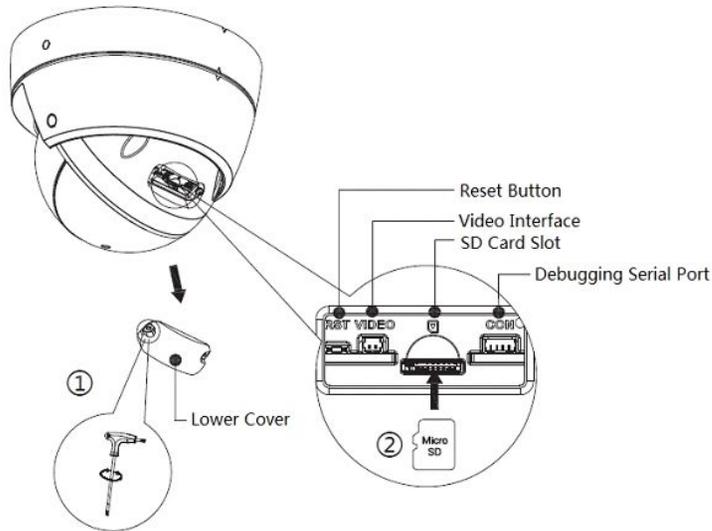

Figure 2-7

Step 2 Slightly press the RESET button for 15-30 seconds to complete the factory reset. The camera will reboot when the factory reset is successful.

3A. OVERVIEW

The IP Config tool is used to search the local network for IC Realtime devices as well as modify the IP addresses and upgrading firmware.

This software can be downloaded at:
https://icrealtime.com/downloads under *Desktop Utility Apps*

3B. OPERATION

Double click the "ConfigTools.exe" icon to run. The interface will be displayed as shown in Figure 3-1. Click on the blue circle icon with the two arrows to refresh and scan the network.

- Make sure the network camera is connected to the network and powered properly.
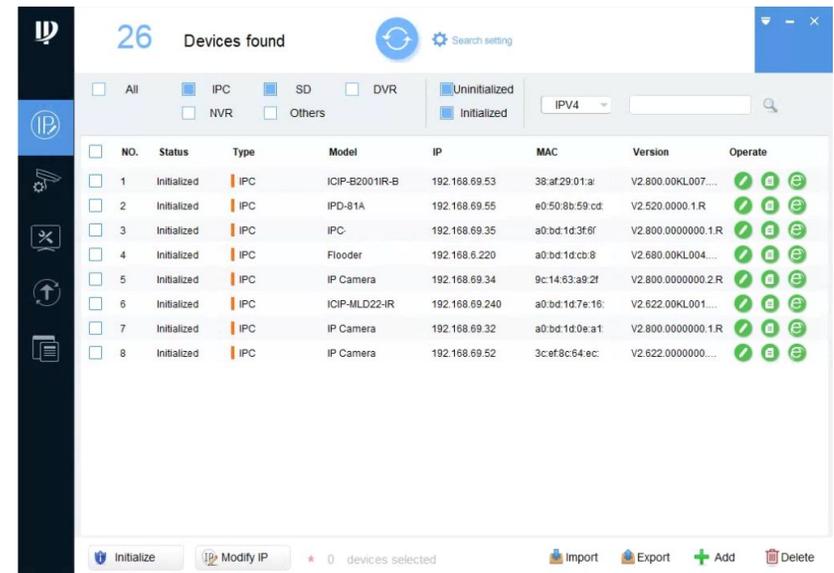

Figure 3-1

IC REALTIME

Select "Search Setting" to modify the IP range to scan for and input the correct login information for the device. See Figure 3-2.
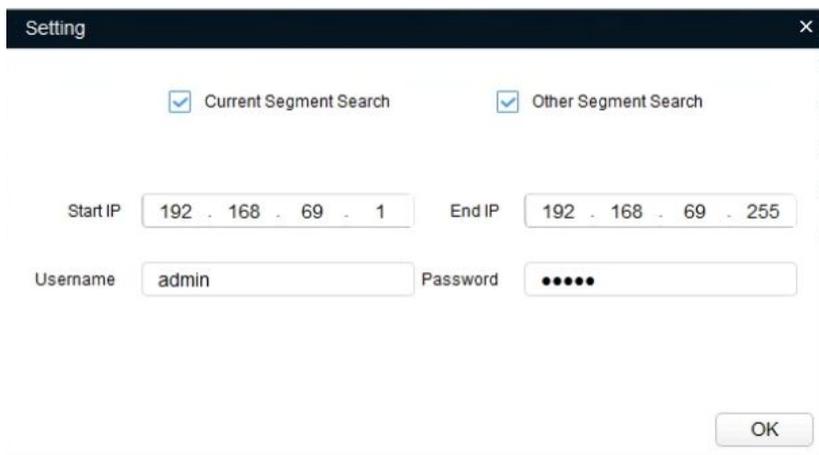

Figure 3-2

Note: If the Camera status is "Uninitialized," select the camera and the click the "Initialize" icon on the bottom left side and follow the process on screen to initialize the device.

The Operate column will allow you to modify device, view device information and link to web browser. See figure 3-3.

Figure 3-3

To modify the device IP address, select one of the devices from the list and then click the pencil icon. The dialog box to modify the IP information will populate. See Figure 3-4.
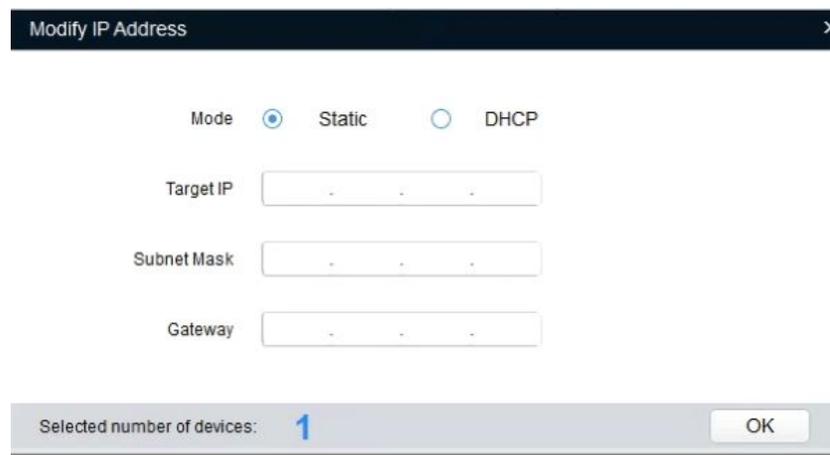

Figure 3-4

IC REALTIME

This series network camera product supports the Web access and management via PC.

4A. NETWORK CONNECTION
Please follow the steps listed below for network connection.

- Make sure the IP camera is connected to the network and powered properly.
- Please set the IP address, subnet mask and gateway of the PC and the network camera respectively. The camera is set to DHCP out of the box with default IP address of 192.168.1.108 if DHCP pool is not available. Subnet mask is 255.255.255.0. Gateway is 192.168.1.1
- Using Command Prompt, type "ping ***.***.***.***(* network camera address)" to check if connection is OK or not.

4B. LOGIN AND LOGOUT
Open IE or Chrome and input the network camera address in the address bar. See Figure 4-1.
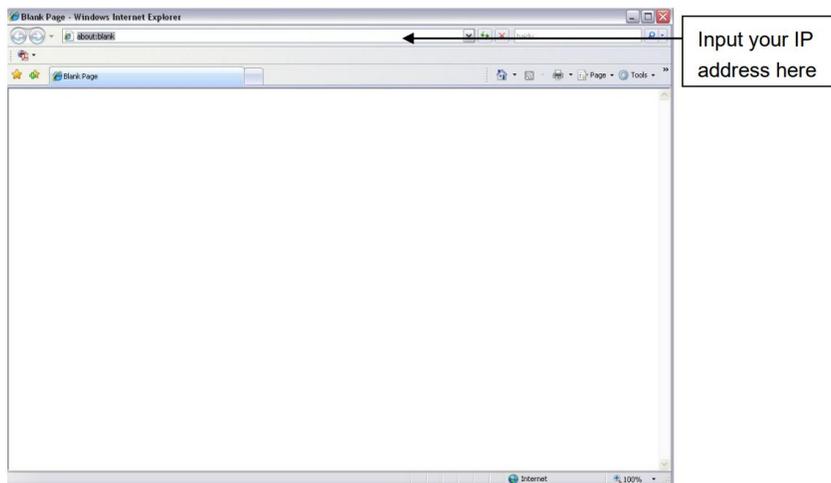
The login interface is shown as below. See Figure 4-2.

Note: If it is your first time logging into the camera (and it has not been initialized through the ConfigTool or NVR), the camera will need to be initialized. A pop-up will appear to select your region. After selecting region, you will be prompted to create a password for the admin account as well as security questions in case the password is lost After initializing, you will be able to login to the web interface of the camera.

Please input your user name and password.

Input your IP address here

Figure 4-1

Figure 4-2

IC REALTIME

Web GUI includes several modules: monitor channel preview, system configuration, alarm and etc. See Figure 4-3.

- Live: Live video of camera
- Playback: View recording from SD card (if applicable)
- Setting: For configuration changes.
- Alarm: For monitoring alarm triggers (motion detect, IVS, abnormalities, etc)
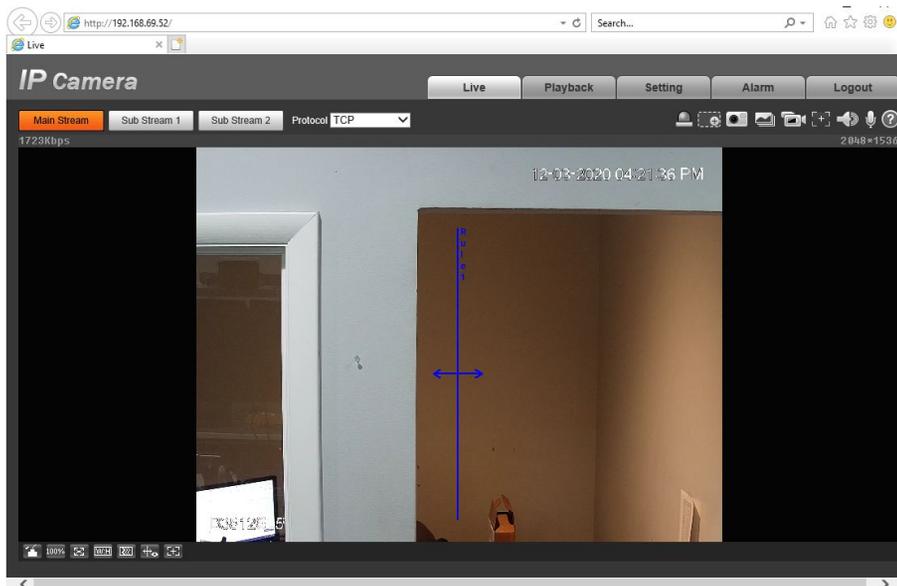- Logout: Logs out of the camera web GUI

Figure 4-3

5A. FAQ

No image after the Device is powered on	- Check whether the power supply is properly connected. - Check recorder video format and resolution compatibility with Camera - Check whether the main power and transformer are working normally.
Image is black and white	- Use the required power supply. - Check recorder compatibility with Camera video format
Camera does not power on	Insufficient power, use the required power supply,
Image is not stable	Poor contact on circuits. Connect the cable properly.
Blurry image.	- Lens glass is dirty. Clean the lens. - Focus is in manual mode. Set Focus settings.

IC REALTIME