HD Fisheye Panorama Network Camera Quick Start Guide

Version 1.2.3

Welcome

Thank you for purchasing our Network camera!

This user's manual is designed to be a reference tool for your system.

Please read the following safeguard and warnings carefully before you use this series product!

Please keep this user's manual well for future reference!

Important Safeguards and Warnings

1．Electrical safety

All installation and operation here should conform to your local electrical safety codes.

Please check if the power supply is correct before operating the device.

The power shall conform to the requirement in the SELV (Safety Extra Low Voltage) and the Limited power source is rated 12V DC, DC5V or AC24V in the IEC60950-1. (Power supply requirement is subject to the device label).

Please install easy-to-use device for power off before installing wiring, which is for emergent power off when necessary.

Please prevent the line cord from being trampled or pressed, especially the plug, power socket and the junction from the device.

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.

2．Environment

Please don't aim the device at strong light (such as lighting, sunlight and so on) to focus; otherwise it may cause overexposure (It is not the device malfunction), which will affect the longevity of CCD or CMOS.

Please transport, use and store the device within the range of allowed humidity and temperature.

Please don't keep the device in a place which is wet, dusty, extremely hot, and extremely cold and with strong electromagnetic radiation or unstable lighting.

Please do not allow water and other liquid falling into the camera in case that the internal components are damaged.

Please do not allow rain or damp to the indoor device in case fire or lightning may occur.

Please keep the sound ventilation in case of heat accumulation.

Please pack the device with standard factory packaging or material with same quality when transporting the device.

Heavy stress, violent vibration or water splash are not allowed during transportation, storage and installation.

3. Operation and Daily Maintenance

Please do not touch the heat dissipation component of the device directly in order to avoid scald.

Please do not dismantle the device; there is no component which can be fixed by users themselves in the machine. It may cause water leakage or bad image for the device due to unprofessional dismantling.

It is recommended to use the device with thunder proof device in order to improve thunder proof effect.

The grounding holes of the product are recommended to be grounded to further enhance the reliability of the camera.

Do not touch the CCD (CMOS) optic component directly. You can use the blower to clean the dust or dirt on the lens surface. Please use a dry cloth wetted by alcohol to wipe away the dust gently if it is necessary to clean.

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. Don't use volatile solvent like alcohol, benzene, thinner and etc or strong detergent with abrasiveness, otherwise it will damage the surface coating or reduce the working performance of the device.

Dome cover is an optical device, please don't touch or wipe cover surface directly during installation and use, please refer to the following methods to deal with once dirt is found:

Stained with dirt

Use oil-free soft brush or hair dries to remove it gently.

Stained with grease or fingerprint

Use soft cloth to wipe the water drop or oil gently to make it dry, then use oil-free cotton cloth or paper soaked with alcohol or detergent to wipe from the lens center to outward. It is ok to change the cloth and wipe several times if it is not clean enough.

Warning

Please use the standard accessories provided by manufacturer and make sure the device is installed and fixed by professional engineers.

Please prevent the device surface from the radiation of laser beam when using laser beam device.

Please do not provide two or more power supply modes for the device, otherwise it may cause damage to the device.

Statement

Please refer to the actual product for more details; the manual is just for reference.

The manual will be regularly upgraded according to the product update; the upgraded content will be added in the manual without prior announcement.

Please contact the supplier or customer service if there is any problem occurred when using the device.

Please contact the customer service for the latest procedure and supplementary documentation.

There may be deviation between the actual value of some data and the value provided in the manual due to the reasons such as the real environment is not stable and so on.

Please refer to the company's final explanation if there is any doubt or dispute.

The company is not liable for any loss caused by the operation which is not followed by the manual.

Note:

Please refer to the disk for more details, check and download corresponding user's manual and tool.

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.

Accessory Name	Amount
Network Camera	1
Quick Start Guide	1
Installation Accessories Bag	1
CD	1

Table of Contents
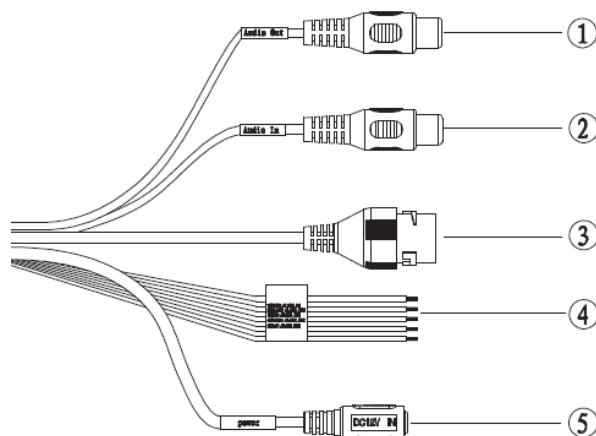
1 Structure

1.1 Device External Cable

Figure 1- 1

The device external cable is shown in Figure 1- 1.

Please refer to Sheet 1-1 for corresponding information about external cable functions.

NO.	Port	Port Name	Connector	Function Description
1	AUDIO OUT	Audio output port	RCA	Output audio signal to the speakers.
2	AUDIO IN	Audio input port	RCA	Input audio signal, receive the analog audio signal from the sound pick-up.
3	LAN	Network port	Ethernet port	Connect to standard Ethernet cable.
4	I/O	I/O port	-	Connect I/O port
5	POWER	Power input port	-	Connect DC 12V power, input power

Sheet 1-1

1.2 Dimensions

Note:

There are two standards for side dimension of the device, which are: 33.7mm, 47.7mm and 36.6mm, 50.7mm. Please refer to the actual product model for more details.

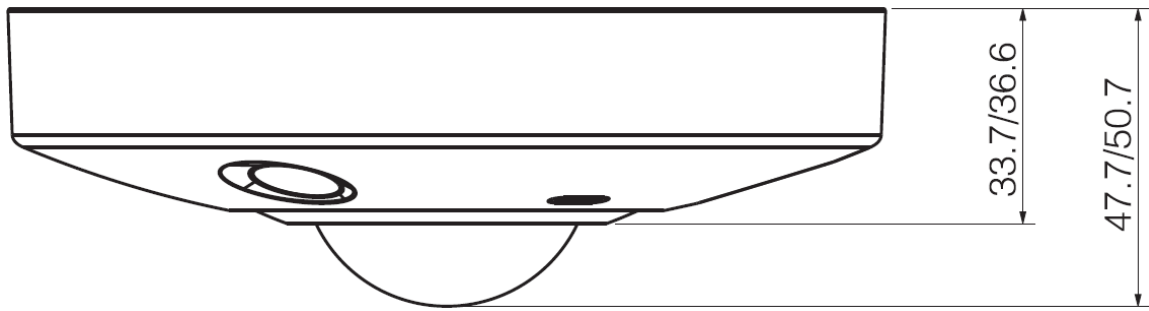You can refer to the following figures for dimension information. The Unit is mm. See Figure 1-2 and Figure 1-3.

1

Figure 1-2

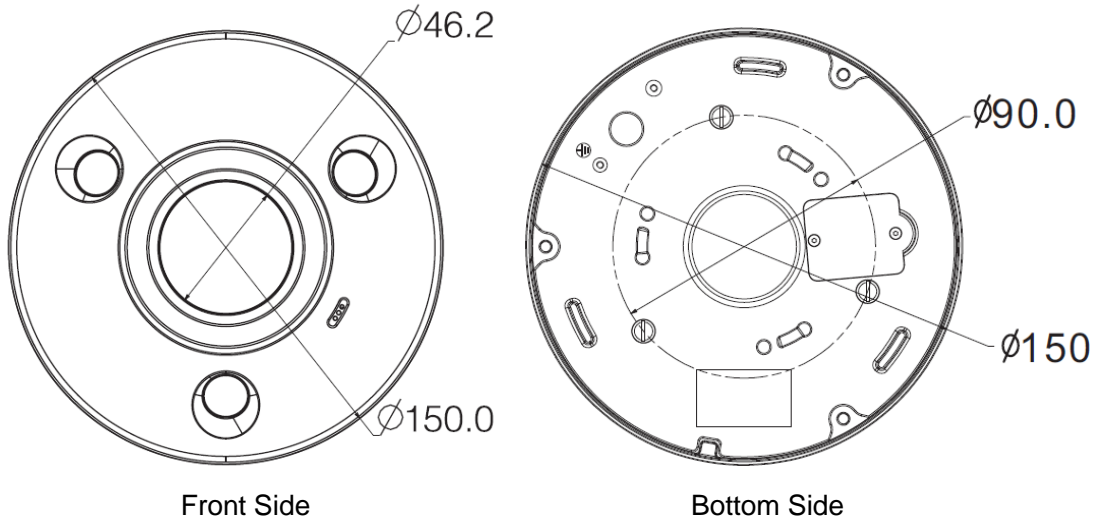Front Side   Bottom Side

Figure 1-3

1.3 Alarm Setup

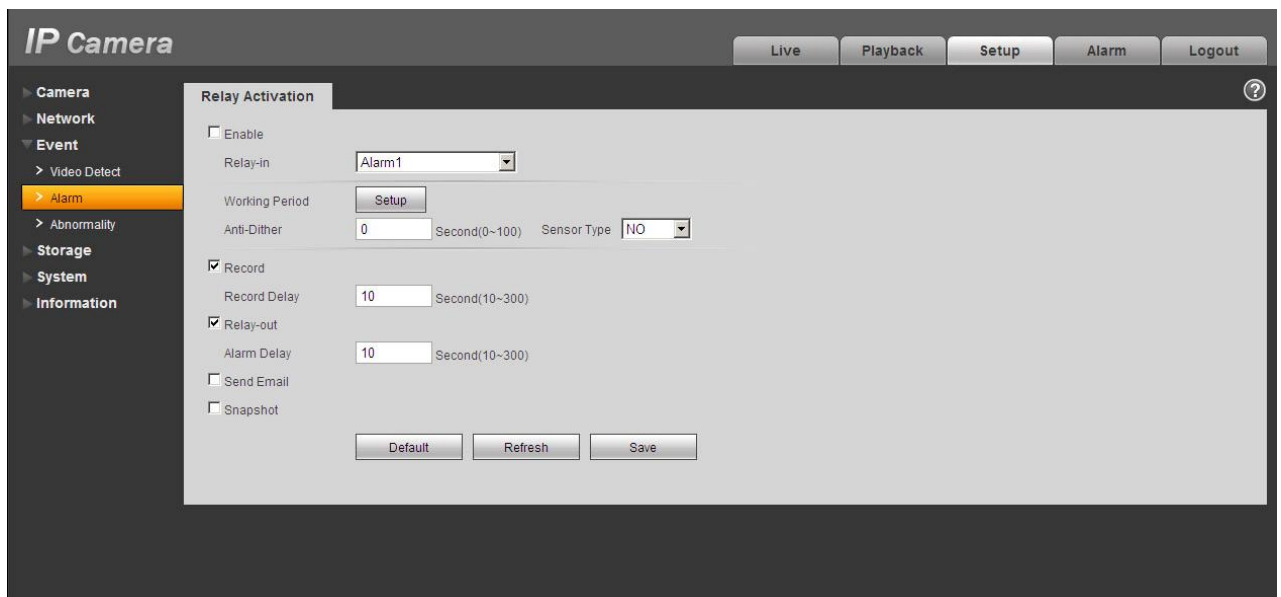Please refer to Figure 1-4 for more information about alarm setup.

Figure 1-4

Please follow the steps listed below for alarm input and output connection.

Step 1   Connect alarm input device to the alarm input of I/O cable.
Step 2   Connect alarm output device to the alarm output of I/O cable, alarm output is collector open circuit output which connects 10K resistor to 3.3V externally.
Step 3   Open the Web, set alarm input and output correspondingly. Alarm input on WEB corresponds to I/O cable on device. When there is alarm, alarm input device will generate signal of high and low level. Set corresponding NO and NC inputs.
Step 4   Set the WEB alarm output. The alarm output is for the alarm output port of the device. It is the alarm output port of the I/O cable.
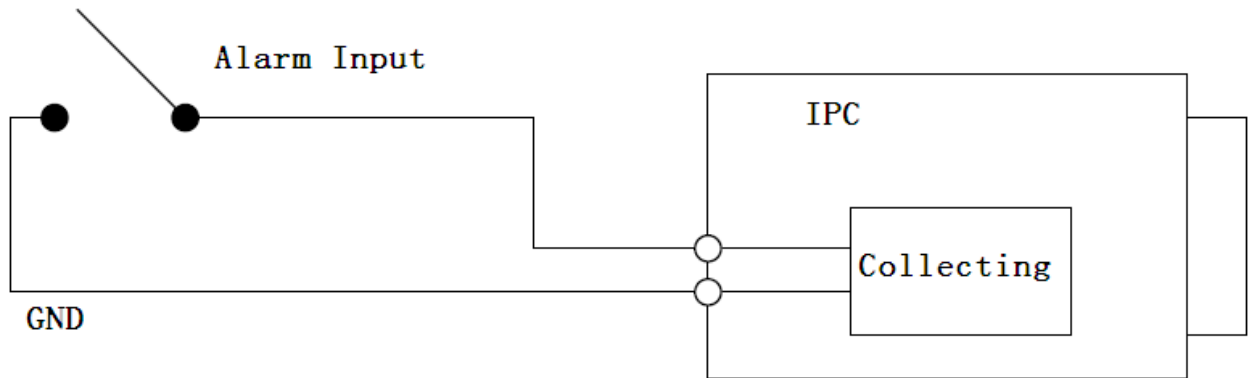
Alarm input, output figures:

Figure 1-5

Alarm input: When the input signal is idle or grounded, the device can collect the different statuses of the alarm input port. When the input signal is connected to 3.3V or it is idle, the device collects the logic "1". When the input signal is grounded, the device collects the logic "0".
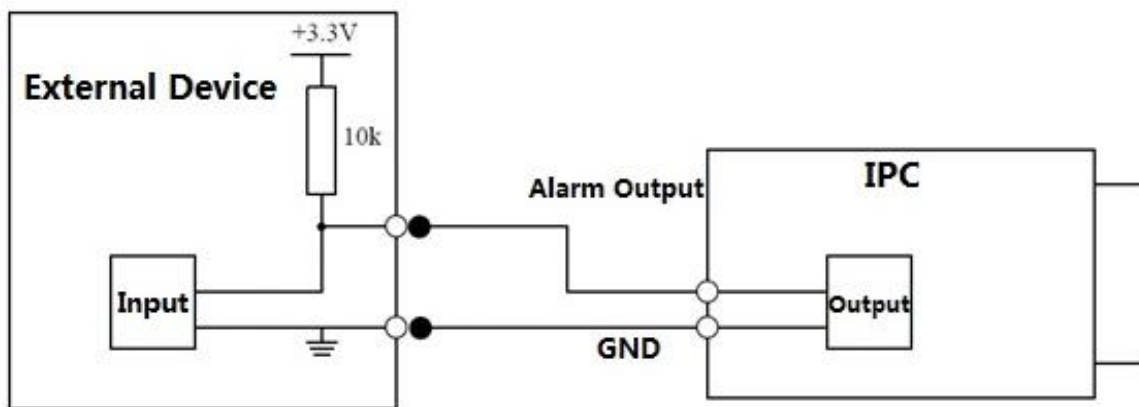

Figure 1-6

When alarm output is OC, it needs to increase pull-up resistance externally to work normally; output signal is high and low level. After external pull-up resistance is increased, the default of output signal is high level, and it switches to low level when there is alarm output.
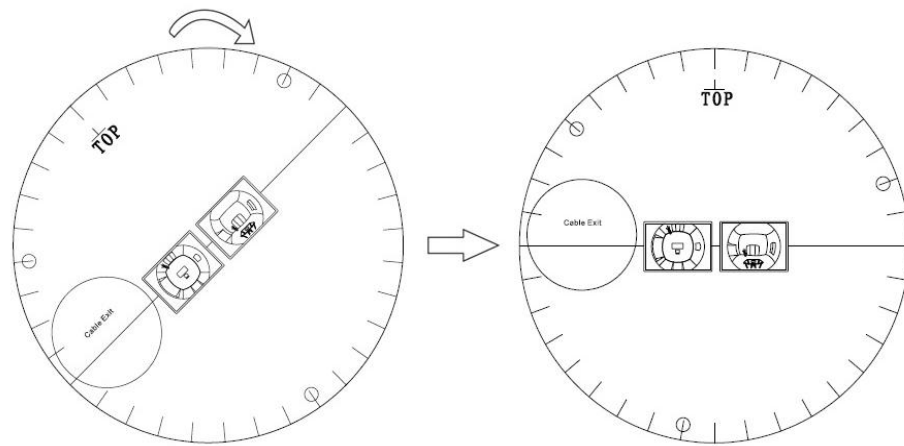
The working current of alarm output port is recommended as <= 10mA. The max current which is used to drive external circuit is 80mA, it is advised to add a relay if it is beyond the value.
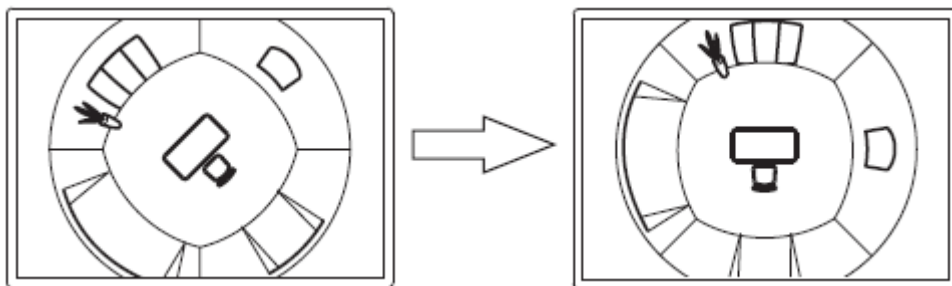
2 Installation

Important

- The network camera can be put on the surface to monitor, it can also use bracket to install on the ceiling, which means there are three kinds of installation modes which are ground mount, ceiling mount and wall mount. The following chapter is an example of ceiling mount installation.
- Before you complete the installation and debugging, do not remove the electrostatic attraction film on the transparent enclosure. Otherwise it may result in injury. After removing the electrostatic attraction film, don't touch dome enclosure in case it may leave stain.
- Before the installation, please make sure the installation surface can sustain at least 3X weight of the bracket and the camera.
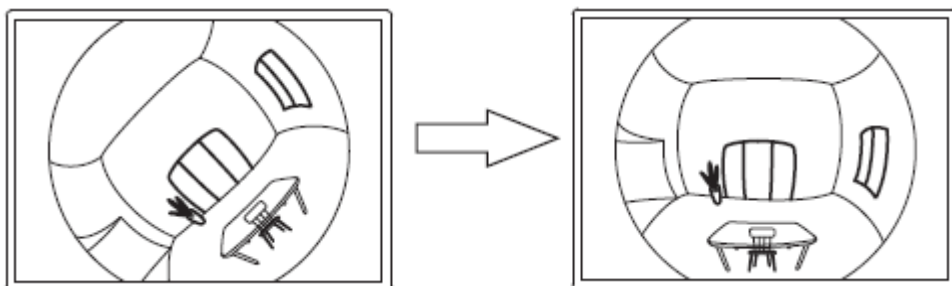
2.1 Device Installation

Installation Position Map

Ceiling Mount Effect
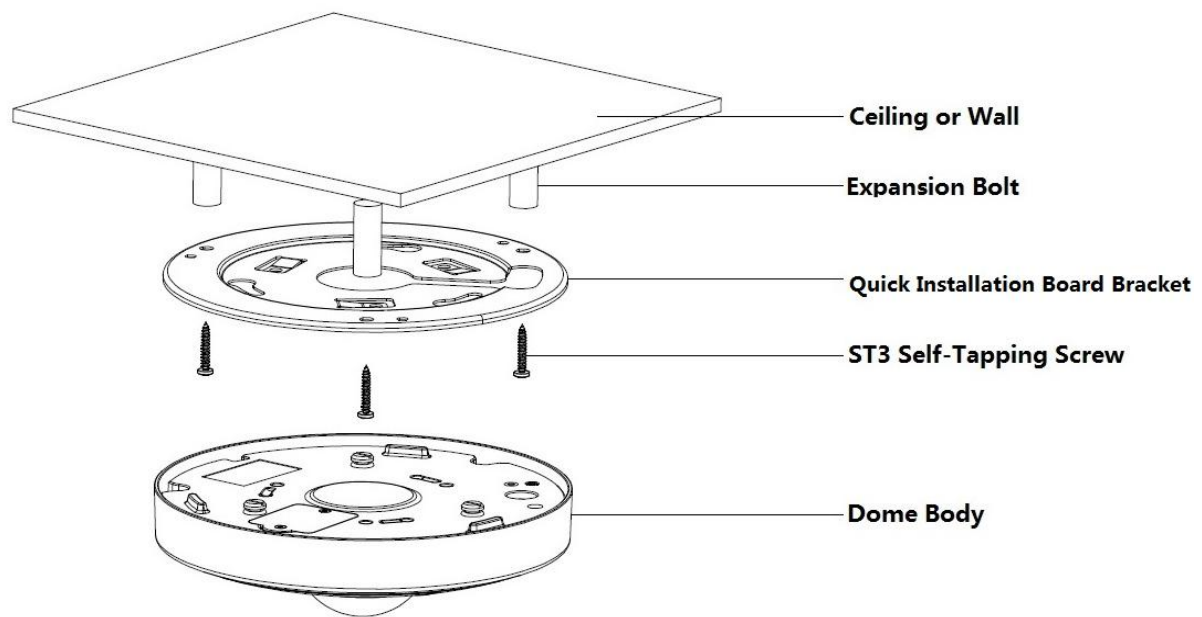

Wall Mount Effect
Figure 2-1

Ceiling or Wall

Expansion Bolt

Quick Installation Board Bracket

ST3 Self-Tapping Screw

Dome Body

Figure 2-2

Step 1
Take the installation position diagram from the accessories bag and then paste it on the installation ceiling or the wall according to the monitor area.

Step 2
Please dig three bottom holes of the plastic expansion bolts according to the diagram. If you need to dig a hole to pull through the cable on top of installation surface, you need to dig a cable exit hole of no less than 28MM on the installation surface according to the installation positioning diagram, which makes the network cable go through.

Step 3
Insert 3 expansion bolts from the accessories bag into the bottom holes and lock them firmly, adjust the position of device installation pedestal and pull the cable through the cable exit hole on the installation surface.

Step 4
Aim 3 screw fixed holes on the installation chassis to 3 plastic expansion bolt fixed holes on the installation surface, then tighten 3 ST3 self-tapping screws into 3 plastic expansion bolts and fasten them firmly, fix the installation chassis on the installation surface.

Step 5
When installing dome body, find the little gap on the dome body and make it corresponding to the "TOP" direction on the installation chassis, rotate the dome body in clockwise direction and secure it firmly. So far, installation is completed.

Note:
If connect the host GND to ground lead, it may improve device reliability. The GND locates next to exit hole on the rear side of the chassis and the GND screw is M2.5.

2.2 Micro SD Card Installation

Use the cross screwdriver to unfasten and take down 2screws on the SD card cover, find the Micro SD card slot position according to the following figure then fasten back the 2 screws on SD card cover after the Micro SD card is inserted.

Note:

- The SD card cover is related to the device waterproof, make sure to put the silica gel ring of the SD card cover back to the waterproof groove and tighten the two screws.
- The time of changing SD card should be controlled within 4 hours; otherwise it will cause desiccant failure and abnormities such as water mist and etc.
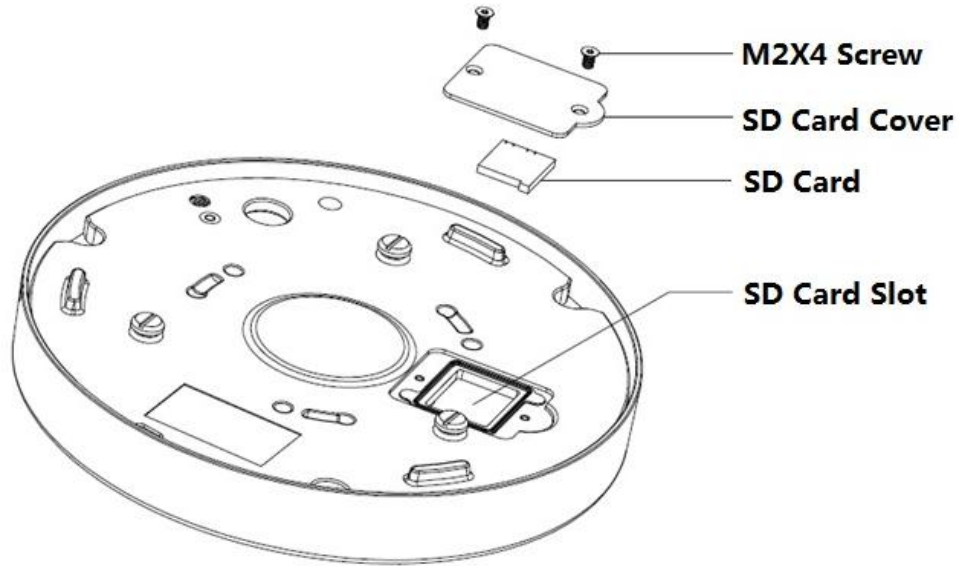

Figure 2-3

3 Network Configuration

The IP address of all the cameras is the same when leaving factory (default IP192.168.1.108), in order to make the camera get access to the network smoothly, please plan the useable IP segment reasonably according to the actual network environment.

3.1 Modify IP Address

IP address can be acquired and modified through quick configuration tool for the cameras which are accessed via wired network, it needs to connect wired network to configure wireless parameters before using wireless network cameras. In this chapter, it will introduce the approach of modifying IP address via "Quick Configuration Tool"; also you can modify the IP address in the network parameters of the WEB interface, please refer to the document in the disk << WEB Operation Manual>> for more details.

Note:

Currently the quick configuration tool only supports the cameras which apply to the same network segment with computer IP address.

Step 1 Double click the "ConfigTools.exe" and open the quick configuration tool.

Step 2 Double click the device to be configured, the system will pop out the "Login" dialog box. Enter the IP address, user name, password and port number of the camera, and click "Confirm".

Note:

The default user name and password are admin and admin respectively, the default of port is 37777. See Figure 3-1 for more details.
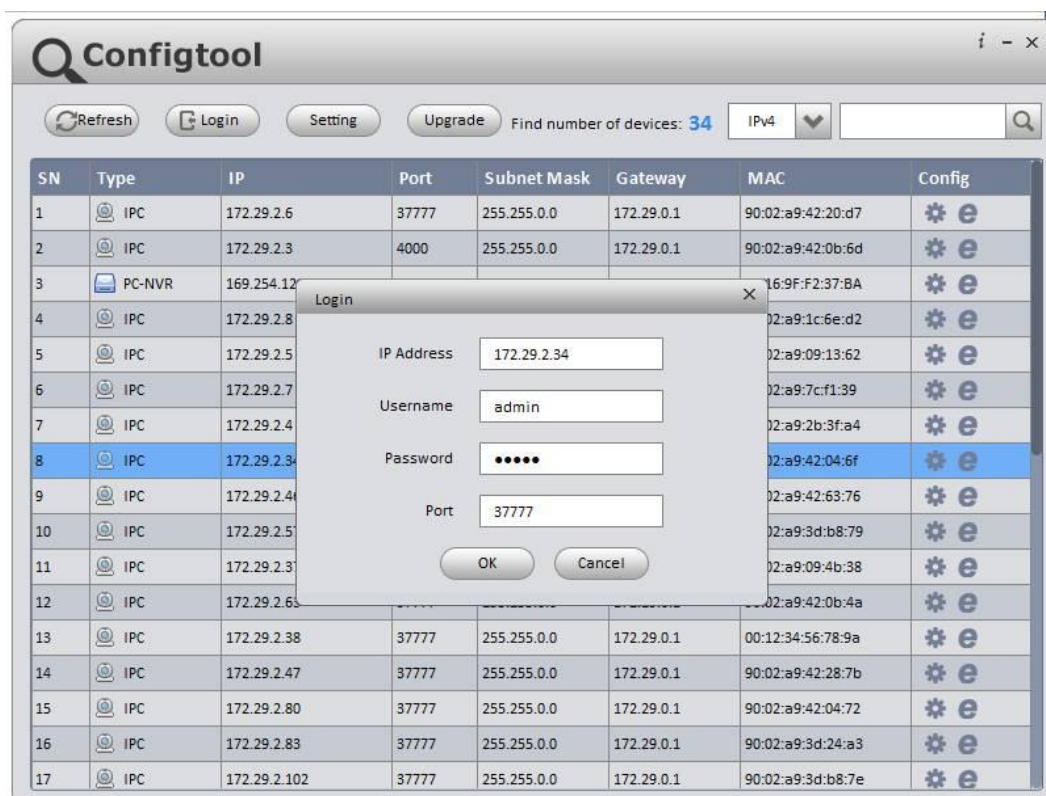
Step 3 Modify the camera IP address on the "Net" interface, click "Save" to finish modification.

See Figure 3-2 for more details.

Config					×

Video   Net   Encode   Upgrade   SysInfo

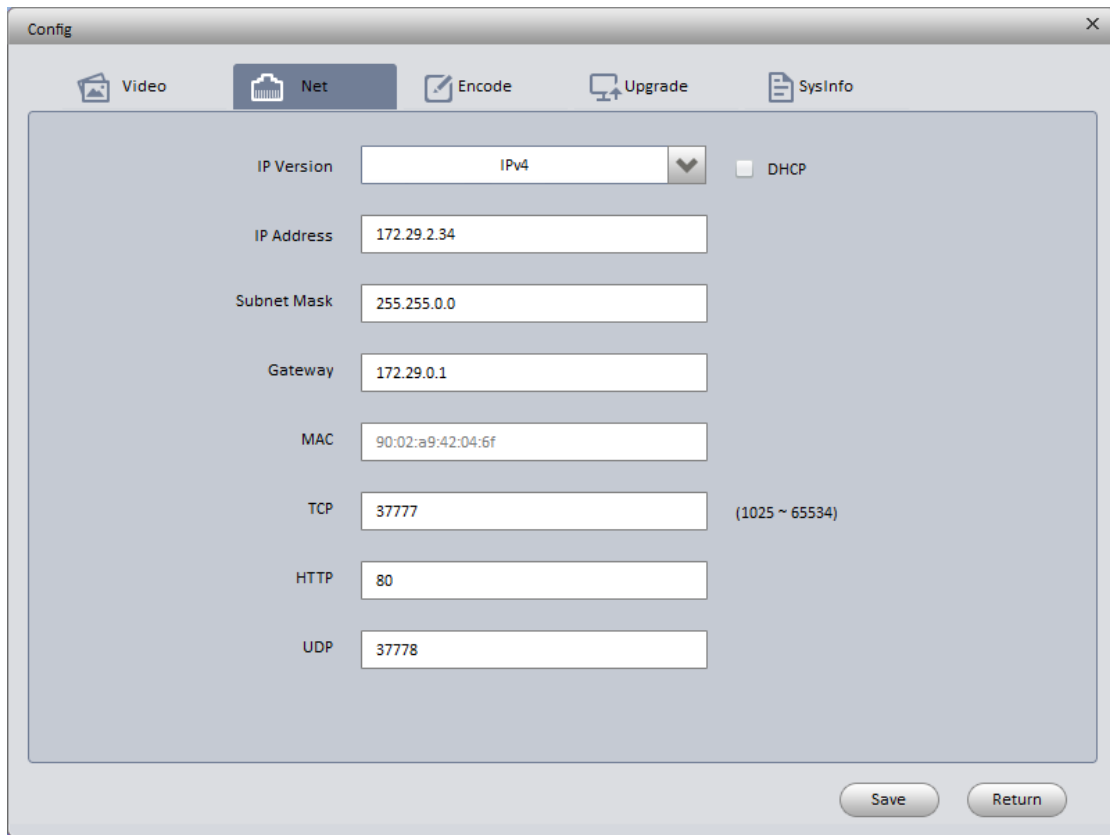| IP Version	IPv4 ▾	☐ DHCP
IP Address	172.29.2.34	
Subnet Mask	255.255.0.0	
Gateway	172.29.0.1	
MAC	90:02:a9:42:04:6f	
TCP	37777	(1025 ~ 65534)
HTTP	80	
UDP	37778	

Save   Return

Figure 3-2

3.2 Login WEB Interface

Note:

Different devices may have different WEB interfaces, the figures below are just for reference, please refer to the document <<WEB Operation Manual>> in the disk and the actual interface for more details

Step 1 Open IE and input the modified camera IP address in the address bar.

Step 2 The login interface is shown below, please input your user name and password (Default user name is admin and password is admin respectively), click "login".

See Figure 3-3 for more details.

Figure 3-3

Step 3 Install controls according to the system prompt; see Figure 3-4 for the WEB main interface. Please modify the administrator password as soon as possible after you successfully logged in.
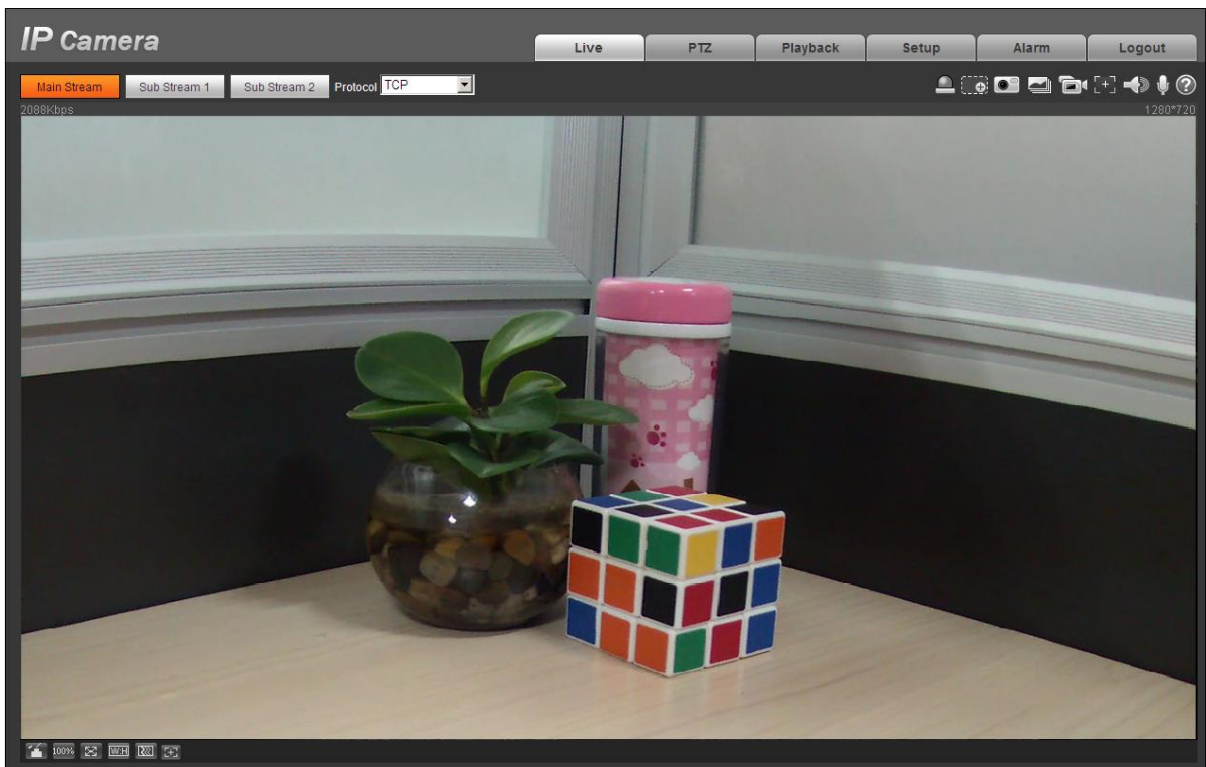

Figure 3-4

Note

- **This user's manual is for reference only. Slight difference may be found in user interface.**
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- **All trademarks and registered trademarks mentioned are the properties of their respective**
  owners.
- **If there is any uncertainty or controversy, please refer to the final explanation of us.**
- **Please visit our website for more information.**