

HD IR Waterproof Eyeball Network Camera

Quick Start Guide

Version 1.0.0

Welcome

Thank you for purchasing our network cameras.

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

Please read the following safeguards 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 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 rated DC 12V or AC 24V 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.
- Do not connect two power supplying sources to the device at the same time. Otherwise, it might 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

- Do not aim the device at strong light (such as lighting, sunlight, and so on) to focus, otherwise it might cause overexposure (not the device malfunction), and affect the longevity of CCD or CMOS.
- Transport, use and store the device within the range of allowed humidity and temperature.
- Do not place the device in a damp or dusty environment, extremely hot or cold temperatures, or the locations with strong electromagnetic radiation or unstable lighting.
- Prevent water and other liquid from falling into the camera in case of damages to the internal components.
- Do not expose the indoor device to the damp environment or raining in case of fire or lightning.
- Keep sound ventilation in case of heat accumulation.
- 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

- Do not touch the heat dissipation component of the device directly to avoid scald.
- Do not dismantle the device as there is no component that can be fixed by users themselves in the device. Otherwise, it might cause water leakage or bad image for the device due to unprofessional dismantling. Please contact after-sale service to replace desiccant if it becomes green.

- It is recommended to use the device with lightning arrester to improve thunder-struck protection effect.
- The grounding holes of the device are recommended to be grounded to further enhance the reliability of the device.
- 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 wipe away the dust with a clean cloth wetted slightly by the mild detergent, and then use the dry cloth to clean the device. Do not use volatile solvents 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.
- When installing or using the device, do not directly touch or wipe the surface of the dome cover as it is an optical device. If stained with dirt, use oil-free soft brush or air blower to gently wipe it away. If stained with grease or fingerprint, firstly use soft cloth to gently wipe the water drop or oil and wait till it is dry, and then use oil-free cotton cloth or leans cleaning paper soaked with alcohol or detergent to wipe from the lens center outward till it is clean.

Warning

- Please modify the default password after login to avoid being stolen.
- Use the standard accessories provided by manufacturer and make sure the device is installed and fixed by professional engineers.
- Prevent the device surface from the radiation of laser beam when using laser beam device.
- Do not provide two or more power supply modes for the device, otherwise it might 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 updated according to the product upgrade; the updated 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 might 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 final explanation of the company if there is any doubt or dispute.
- The company is not liable for any loss caused by the operation that does not comply with the manual.

FCC Information

1. FCC conditions:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference
- This device must accept any interference received, including interference that may cause undesired operation.

2. FCC compliance:

This equipment has been tested and found to comply with the limits for a digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference. This equipment generate, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communication. 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.

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 Unit	1
Quick Start Guide	1
Installation Accessories Bag	1
CD	1

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1 Device Structure

1.1 Components

Note

- The following structure figures are just for reference for you to know each structure component and the functions of cable ports.
- There are differences on structure components and cables among different product models, please refer to the actual object for more details.

Refer to the following figure for device cable.

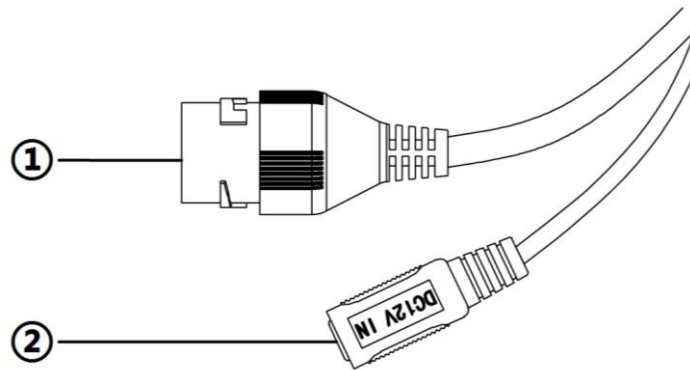


Figure 1-1

Refer to the table 1-1 for detailed information about cable ports.

Table 1-1 Cable ports description

No.	Port	Port Name	Connector	Function Description
1	LAN	Internet access port	Ethernet port	Connect to standard Ethernet cable Note: Some devices do not support PoE power supply.
2	DC12V	12V direct current	-	Connect to DC 12V power, input power.

1.2 Dimensions

Refer to the following figure for device dimension. The unit is mm.

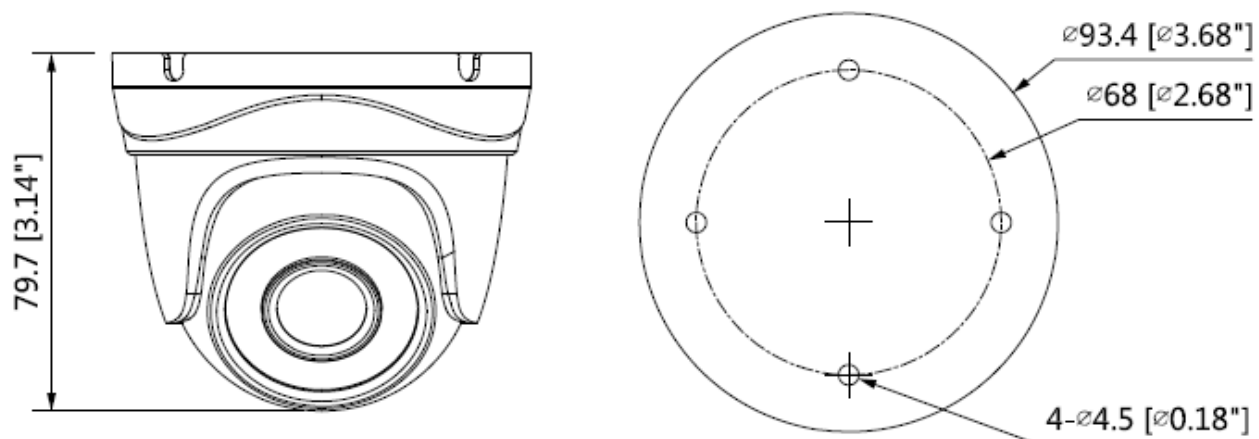


Figure 1-2

2 Device Installation

Note

Before installation, please make sure the installation surface can support at least 3x weight of the camera.

2.1 Installation Steps

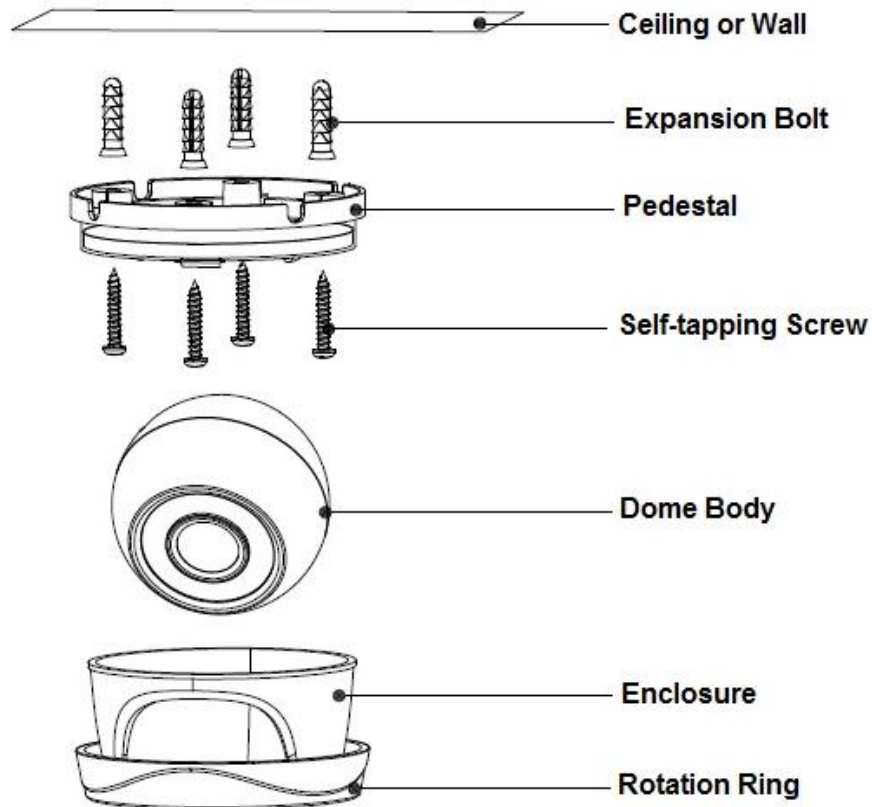


Figure 2-1

Step 1

Turn the decoration ring clockwise out of the button placement and take it out.

Step 2

Take out the installation position map from the accessories bag, and stick it on the ceiling or wall and other installation surface according to the monitoring area. Dig holes on the ceiling or other installation surface according to the hole location of three expansion bolts signed on the position map and then insert three plastic expansion bolts into the holes, secure them firmly. Clients have to pull the cable through the trunking when installing the device.

Step 3

Adjust the device installation pedestal to the proper position and line up the three screw holes in the device pedestal to the three plastic expansion bolt holes, and then put the three self-tapping screws into the three plastic expansion bolts and fix them firmly. Make the enclosure buckle stuck into the pedestal, then adjust the camera to a proper monitoring position via rotating the enclosure and dome.

Step 4

Move the rotation ring of the enclosure downward to the pedestal, you can adjust the camera to proper monitoring location via rotating the enclosure and dome body.

Note

The range of angle adjustment for lens: horizontal rotation direction ($0^{\circ} \sim 360^{\circ}$), vertical rotation direction ($0^{\circ} \sim 90^{\circ}$), image rotation direction ($0^{\circ} \sim +360^{\circ}$).

Step 5

Aim the three spigots at the gap and rotate the decoration ring bottom up clockwise into the pedestal shown in the Figure above, when you hear a “Ca” sound, it is rotated in place.

Step 6

The following figure shows the Waterproof connector installation.

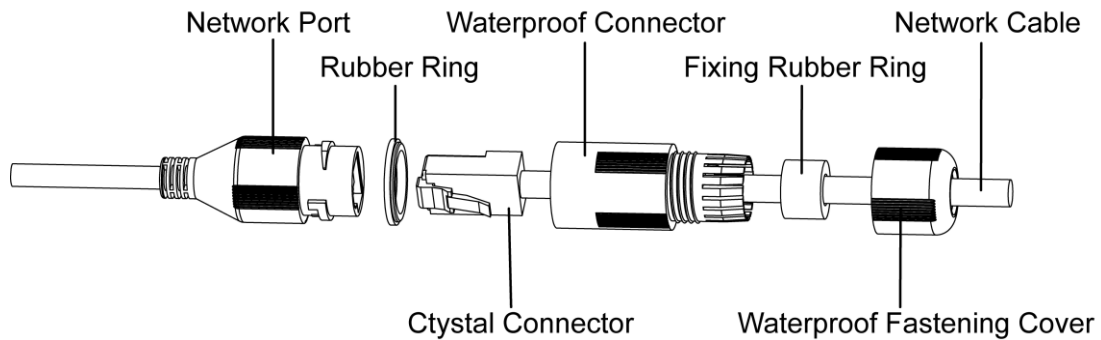


Figure 2-2 Installation of waterproof connector

Refer to the following installation steps:

1. Keep the convex groove outward and install the rubber ring into the network port, and keep the smaller hole of the rubber ring outward and install the fixing rubber ring into the main body of the waterproof connector.
1. After pulling the network cable without crystal head through main body of waterproof connector, fixing rubber ring and waterproof fastening cover, make the crystal connector of network cable and then insert it into the network cable.
2. Put the main body of waterproof connector on the network port and rotate it clockwise to lock the network port and waterproof connector firmly.
3. Put the waterproof fastening cover on the main body of waterproof connector and rotate it clockwise to lock the waterproof connector and waterproof fastening cover firmly.

3 Network Configuration

The IP address of all the cameras is the same when leaving factory (default IP 192.168.1.108). To make the camera access to the network smoothly, please plan the available IP segment reasonably according to the actual network environment.

3.1 Modify IP Address

The cameras which are accessed via wired network can acquire and modify the IP address through “Quick Configuration Tool”. For the wireless network cameras, you need to connect to the wired network to configure wireless parameters before use.

This section introduces the approach of modifying IP address via “Quick Configuration Tool”. You can also modify the IP address in the network parameters of the WEB interface. Please refer to the document *WEB Operation Manual* in the disk for more details.

Note

Only when the IP addresses of the camera and the computer are in the same network segment, the camera can be configured.

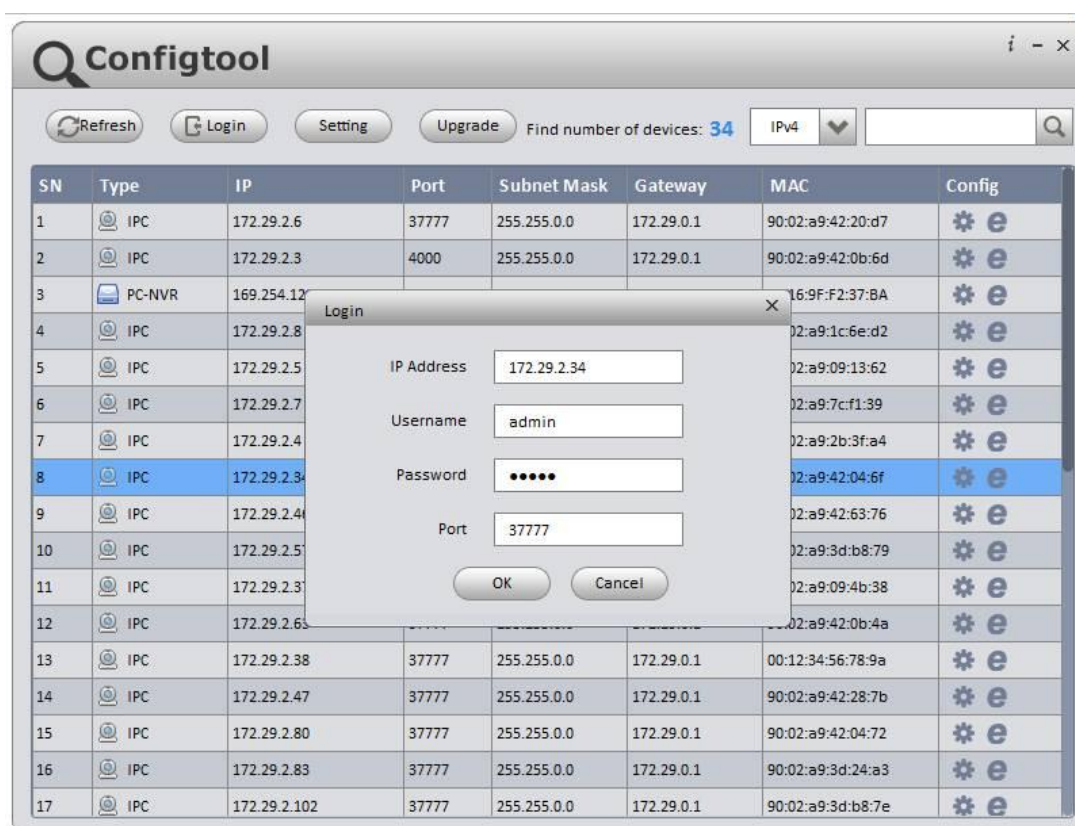
To modify IP address, do the following:

1. Double-click the “ConfigTools.exe” and open the “Quick Configuration Tool”.
2. Double-click the device that needs to be configured. The system will pop out the **Login** dialog box. See Figure 3-1 for more details.
3. Enter the IP address, username, password and port number of the camera, and then click **OK**.

Note

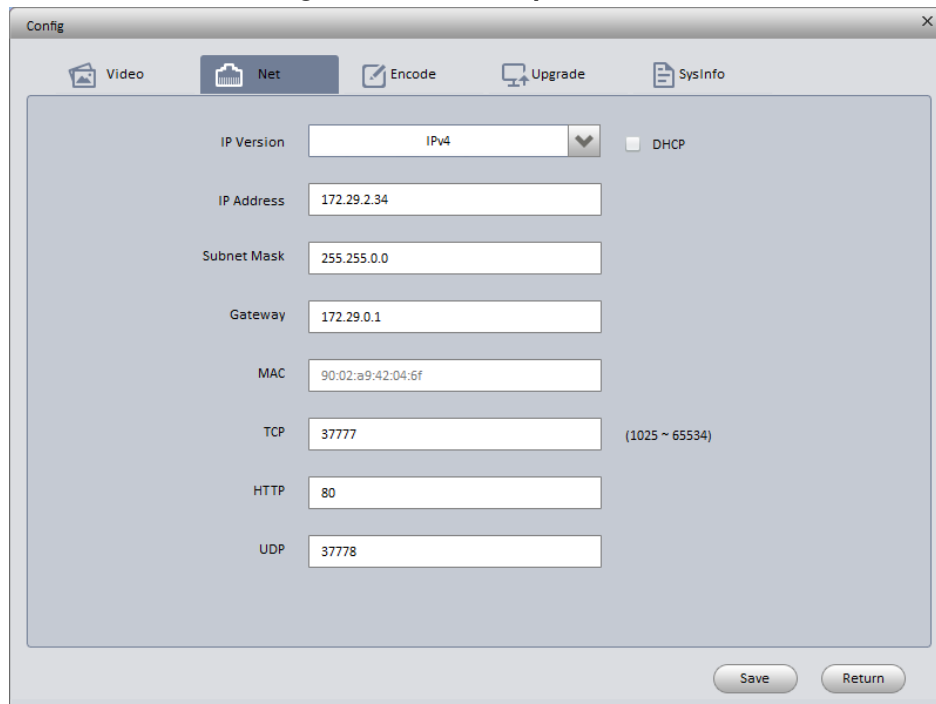
The default user name and password are **admin** and **admin** respectively, the default of port is **37777**.

Figure 3-1 Modify IP Address



4. Modify the camera IP address on the **Net** interface, and then click **Save** to finish modification. See Figure 3-2 for more details.

Figure 3-2 Network parameters



The screenshot shows a 'Config' window with a tabbed interface. The 'Net' tab is selected, displaying network configuration fields. The fields are: IP Version (set to IPv4), 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), HTTP (80), and UDP (37778). A DHCP checkbox is present but unchecked. A range indicator '(1025 ~ 65534)' is shown next to the TCP field. At the bottom right are 'Save' and 'Return' buttons.

3.2 Login WEB Interface

Note

Different devices might have different WEB interfaces, the figures in this document are just for reference, please refer to the document *WEB Operation Manual* in the disk and the actual interface for more details.

1. Open IE and input the modified camera IP address in the address bar. See Figure 3-3 for more details.

Figure 3-3 Login



The screenshot shows a login window titled 'IP Camera'. It features a camera lens icon in the top right corner. Below the title, there are input fields for 'Username:' and 'Password:'. At the bottom, there are 'Login' and 'Cancel' buttons.

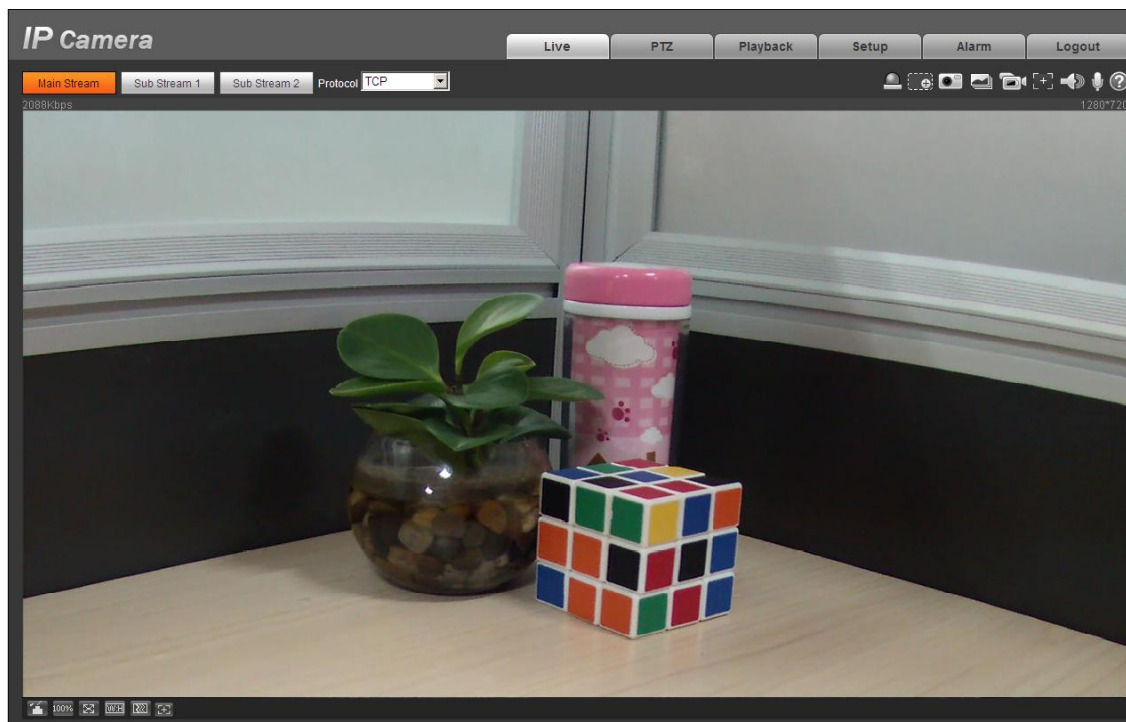
2. The login interface shows. Please input your user name and password (Default user name is **admin** and password is **admin** respectively), click **Login**.

Note

The default username and password is **admin** and **admin** respectively, please modify the administrator password as soon as possible after you successfully logged in.

3. Install controls according to the system prompt. See Figure 3-4 for the WEB main interface.

Figure 3-4 WEB main interface



Note

- This quick start guide is for reference only. Minor differences might be found in user interface.
- All the designs and software are subject to change without prior written notice.
- If there is any uncertainty or controversy, please refer to our final explanation.
- Please visit our website or contact your local service engineer for more information.