

HD Dome Network Camera

Quick Start Guide

Version 1.0.2

Zhejiang Dahua Technology CO., LTD.

Welcome

Thank you for purchasing our network camera!

This quick start guide is designed to be a reference tool for your system.

Please keep this start guide well for future reference.

Please open the accessory bag to check the items one by one in accordance with the list below.

Contact your local retailer ASAP if something is missing or damaged in the bag.

Before your operation please read the following instructions carefully.

1 . 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) and the Limited power source is rated 12V or 24V AC DC in the IEC60950-1. (Refer to general introduction)

Please note: Do not connect two power supplying sources to the device at the same time; it may result in device damage! The product must be grounded to reduce the risk of electronic shock.

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 . Transportation security

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

3 . 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.

4 . 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.

5 . 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.

Thunder-proof device is recommended to be adopted to better prevent thunder.

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

6. 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. Dome enclosure is the optical component, do not touch the enclosure when you are installing the device or clean the enclosure when you are doing maintenance work. Please use professional optical clean method to clean the enclosure. Improper enclosure clean method (such as use cloth) may result in poor IR effect of camera with IR function.

7. 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.

| Accessory Name | Amount |
|-------------------------------|--------|
| Network Camera Unit | 1 |
| Quick Start Guide | 1 |
| Installation Accessories Bag | 1 |
| CD | 1 |
| Warranty Card and Certificate | 1 |

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1 Structure

1.1 Components

You can refer to the following figures for product appearance information. See Figure 1-1 and Figure 1-2.

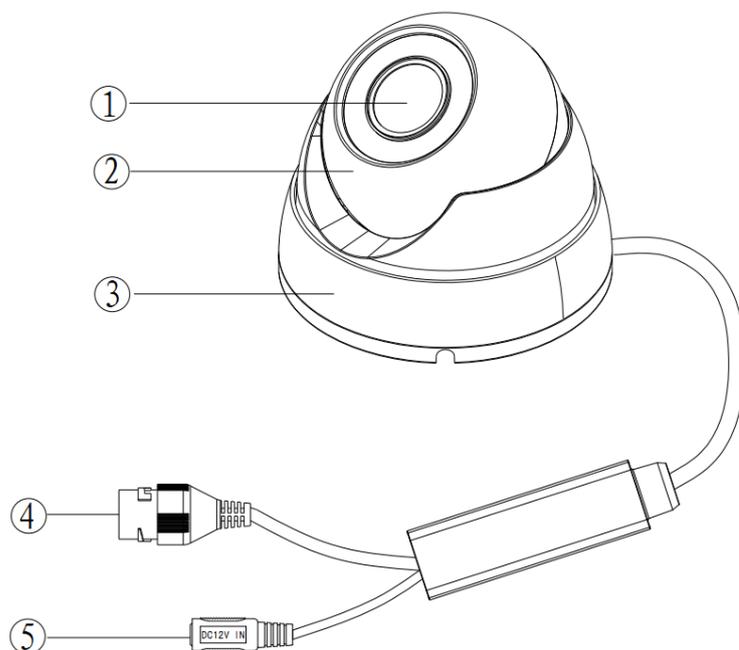


Figure 1-1 Metal Dome

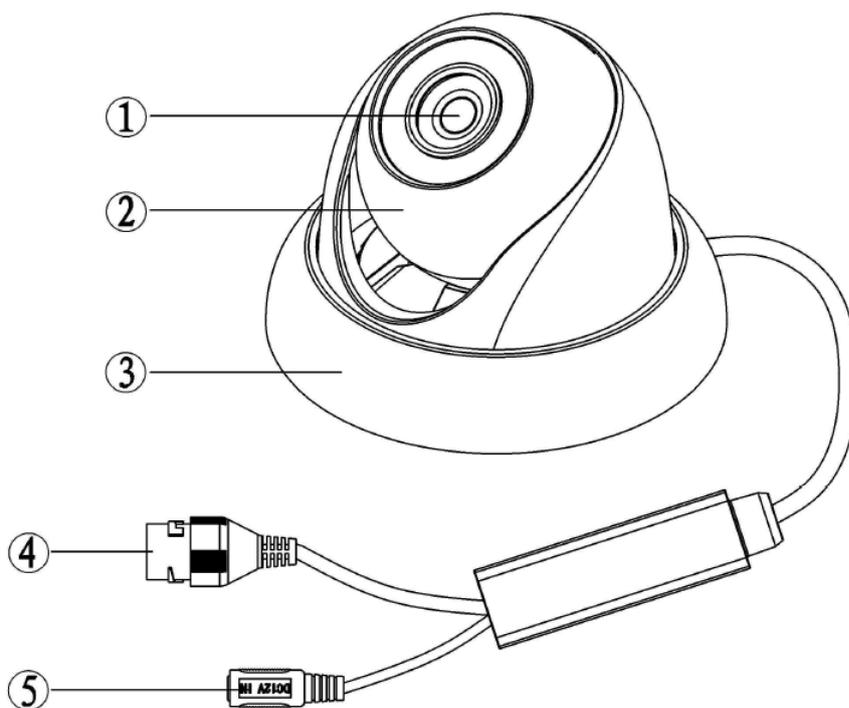


Figure 1-2 Plastic Dome

Please refer to the following sheet for detailed information.

| Component | Component Name |
|-------------|----------------|
| Component 1 | Device lens |
| Component 2 | Dome body |
| Component 3 | Dome enclosure |

| No. | Port | Name | Connector | Note |
|-----|-------|--------------|-----------|---|
| 4 | LAN | Network port | Ethernet | To connect to standard Ethernet. Note: Some devices do not support PoE. |
| 5 | DC12V | DC 12V power | | To connect to DC12V power supply. |

1.2 Framework and Dimension

Please refer to the following two figures for dimension information. The unit is mm. See Figure 1-3 to Figure 1-6.

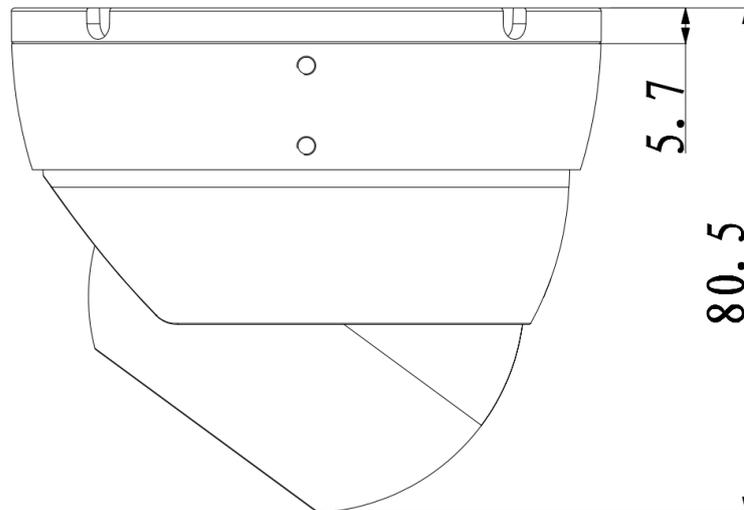


Figure 1-3 Dimension of Metal Dome 1

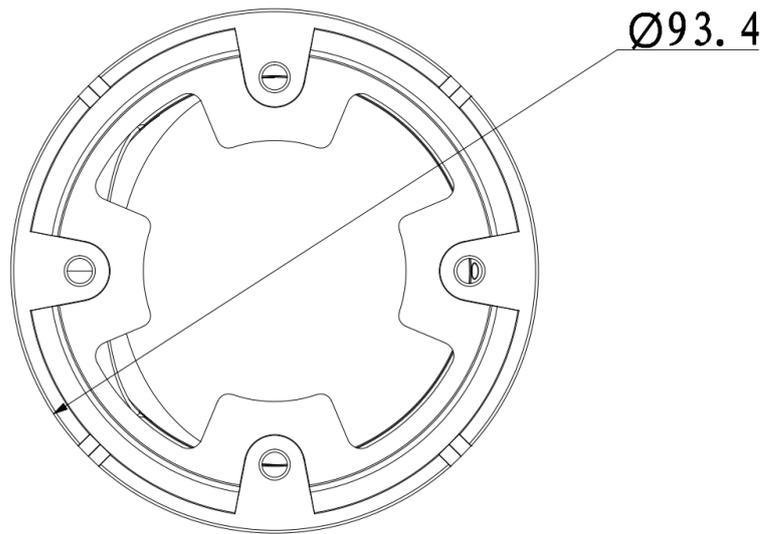


Figure 1-4 Dimension of Metal Dome 2

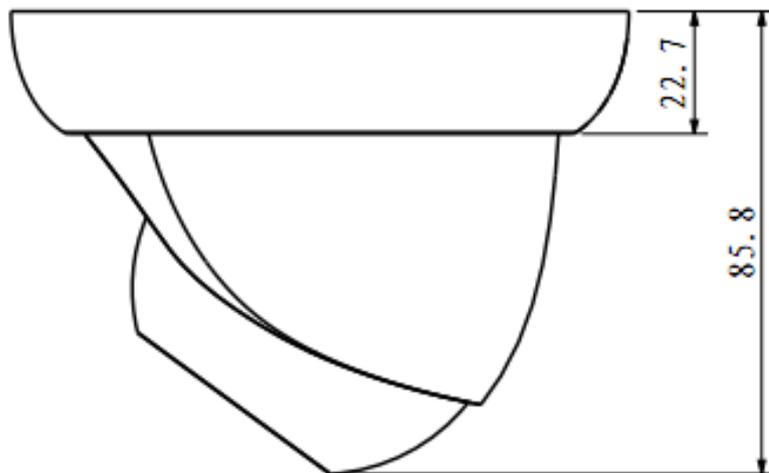


Figure 1-5 Dimension of Plastic Dome 1

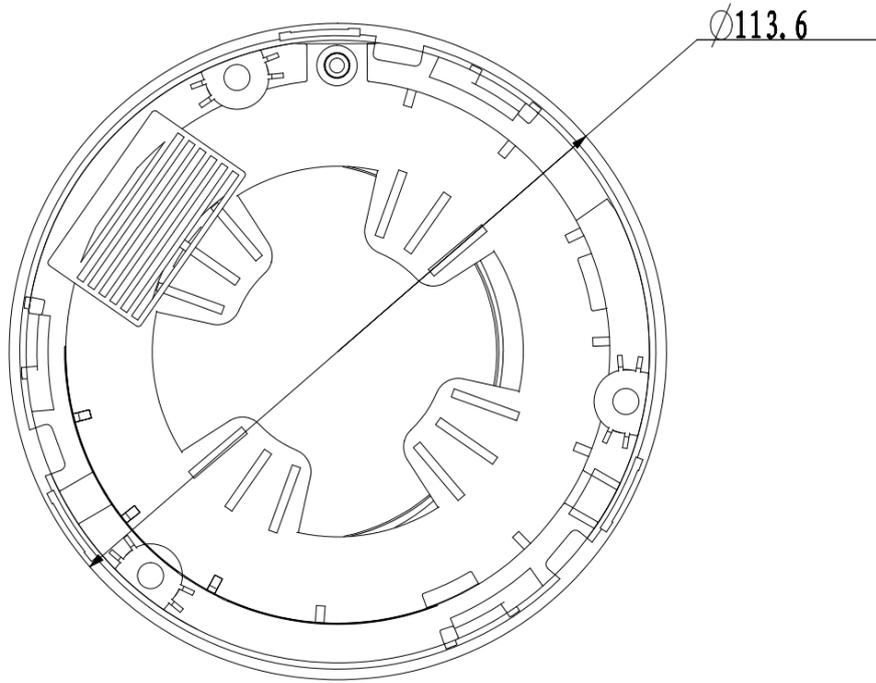


Figure 1-6 Dimension of Plastic Dome 2

2 Device Installation

Important

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

2.1 Installation Steps for Metal Dome

Please follow the steps listed below to install the device. Please refer to Figure 2-1 to Figure 2-3 for reference.

Step 1

Turn clockwise to remove the decoration ring from the snap joints.

Step 2

Please take the installation position map in the accessories bag, and then paste it on the ceiling or the wall according to your monitor area requirements. Draw and then dig four expansion bolts holes in the installation surface and then insert four expansion bolts in the holes. Secure these four bolts firmly. Please draw the cable out from the cable exit when you install the device.

Step 3

Adjust the device installation pedestal to the proper position and then line up the four holes in the device pedestal to the four plastic expansion bolt holes in the installation position. Put the four self-tapping screws in the four plastic expansion bolts firmly. Loosen the decoration ring to adjust lens toward designed monitoring area. User can use the M3X3 inner hex screw to secure dome body.

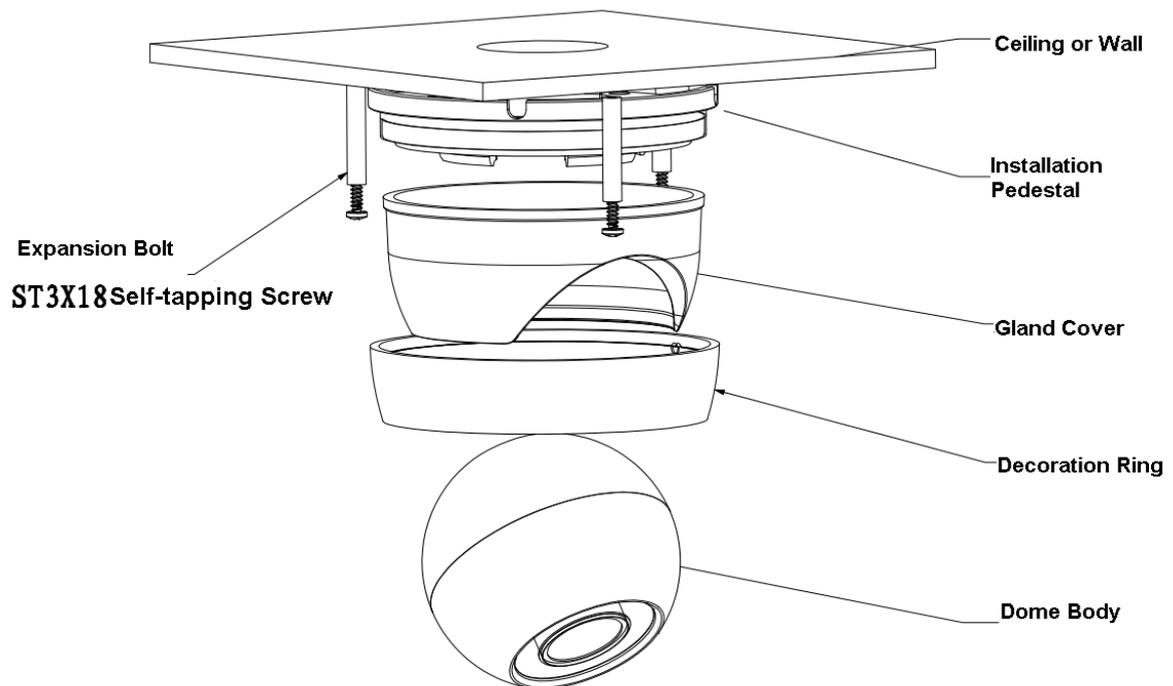


Figure 2-1 Device installation illustration 1

Important

Please pay attention to the dome camera direction when you are installing. Please refer to the following figure for detailed information. See Figure 2-2.

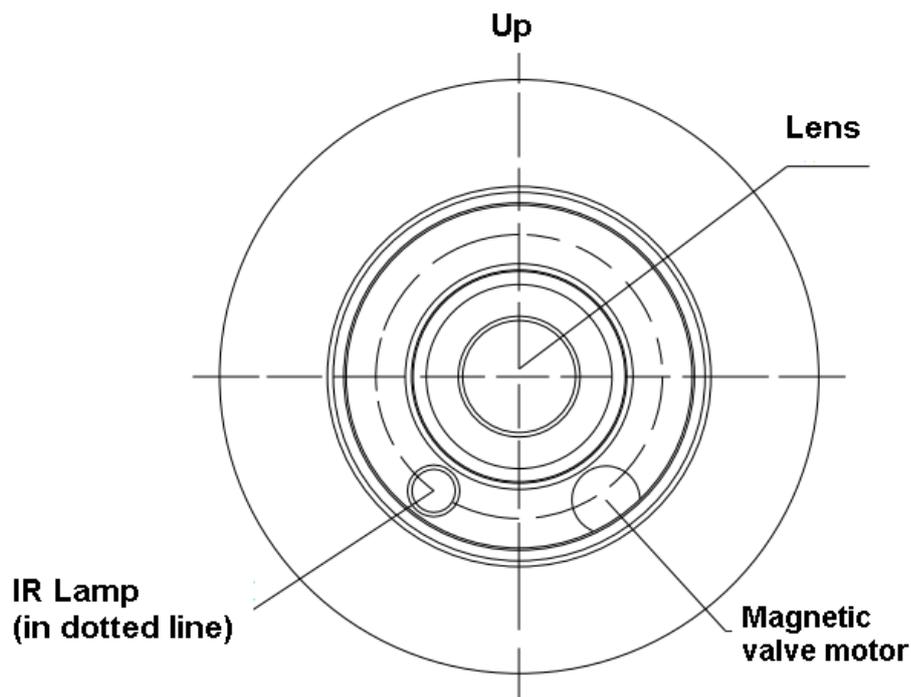


Figure 2-2 Device installation illustration 2

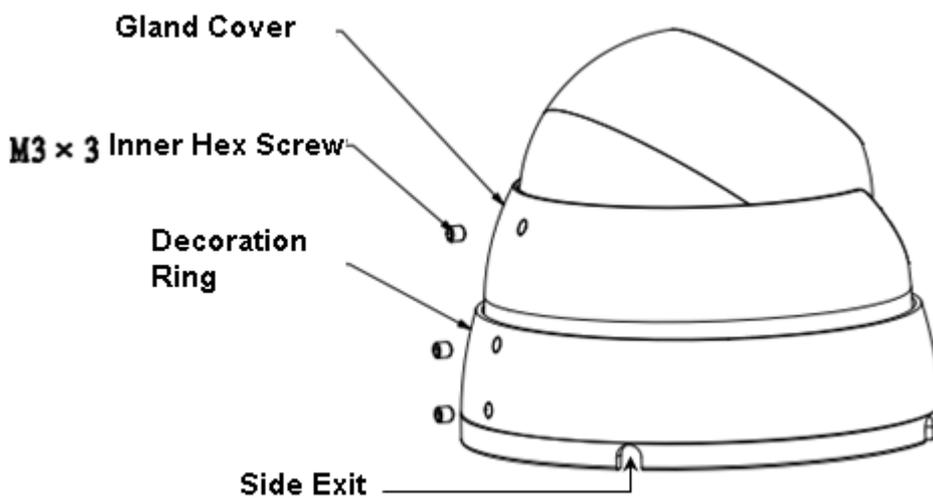


Figure 2-3 Device installation illustration 3

2.2 Installation Steps for Plastic Dome

Please follow the steps listed below to install the device. Please refer to Figure 2-4 for reference.

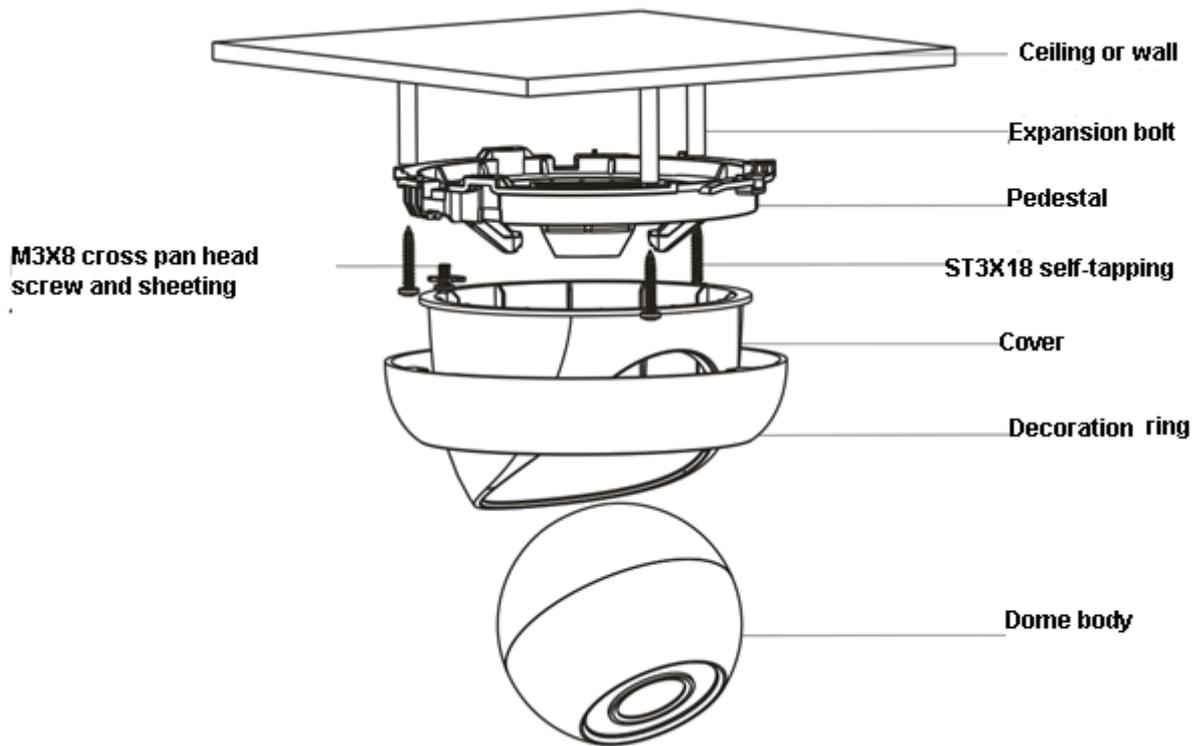


Figure 2-4 Device installation illustration 1

Step 1

Rotate decoration ring clockwise and take it out.

Step 2

Take out installation map in accessories bag, and according to monitoring area, paste it on ceiling or wall there device will be installed. Dig three hole at the position marked on installation map, and take out three expansion bolts in accessories bag to insert them into the holes.

Step 3

Adjust position of pedestal, and aim the three holes on device pedestal at the three expansion bolts on installation surface. Fasten the three self-tapping screws into the three expansion bolts to secure the pedestal. Loosen the M3X8 cross pan head screw on pedestal, and be careful do not loosen completely. Now you can adjust position according to monitoring area. After adjustment, fasten the M3X8 cross pan head screw with sheeting.

Step 4

Rotate decoration ring bottom up and face the three spigots toward the three slots. When you hear a “Ca” sound, it is rotated in place.

3 Quick Configuration Tool

3.1 Overview

Quick configuration tool can search current IP address, modify IP address. At the same time, you can use it to upgrade the device.

Please note the tool only applies to the IP addresses in the same segment.

3.2 Operation

Double click the “ConfigTools.exe” icon, you can see an interface is shown as in Figure 3-1.

In the device list interface, you can view device IP address, port number, subnet mask, default gateway, MAC address and etc.

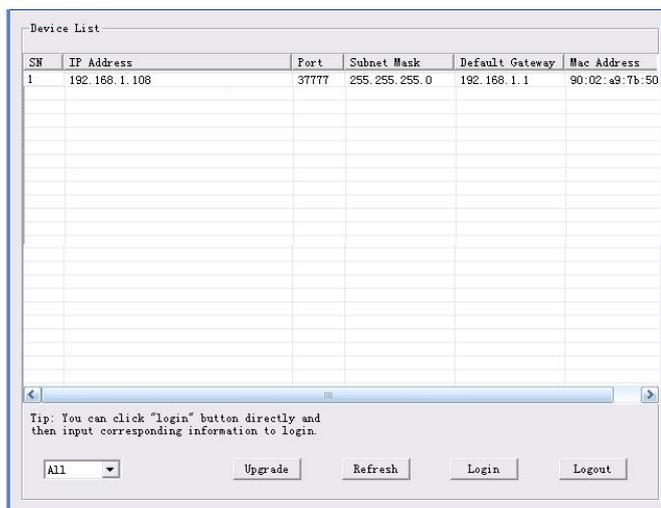


Figure 3-1 Search interface

Select one IP address and then right click mouse, you can see an interface is shown as in Figure 3-2. Select the “Open Device Web” item; you can go to the corresponding web login interface.

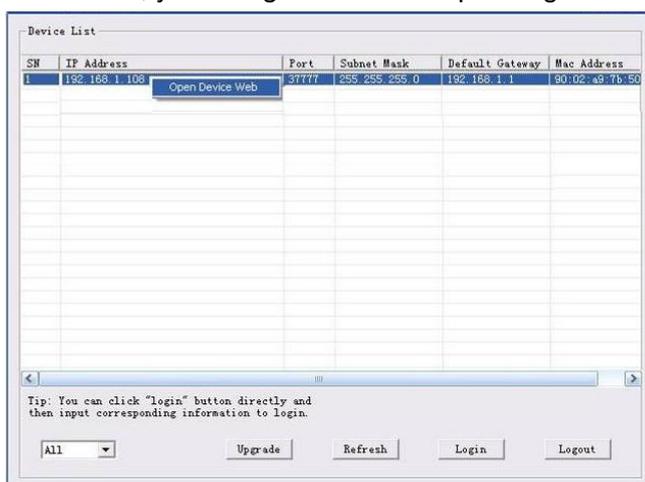


Figure 3-2 Search interface 2

If you want to modify the device IP address without logging in the device web interface, you can go to the configuration tool main interface to set.

In the configuration tool search interface (Figure 3-1), please select a device IP address and then double click it to open the login interface. Or you can select an IP address and then click the Login button to go to the login interface. See Figure 3-3.

In Figure 3-3, you can view device IP address, user name, password and port. Please modify the corresponding information to login.

Please note the port information here shall be identical with the port value you set in TCP port in Web Network interface. Otherwise, you cannot login the device.

If you are using device background upgrade port 3800 to login, other setups are all invalid.

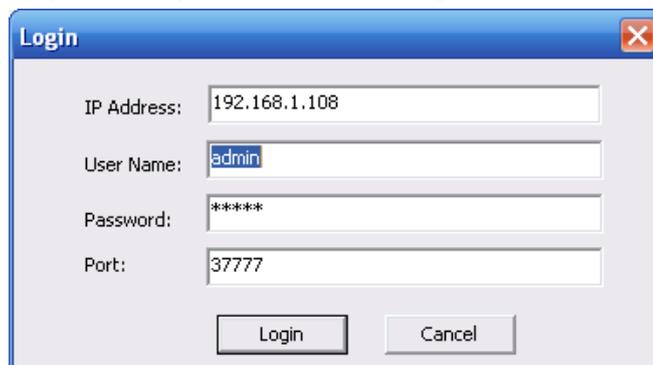
A screenshot of a 'Login' dialog box. It has a blue title bar with the text 'Login' and a close button. The dialog contains four input fields: 'IP Address' with the value '192.168.1.108', 'User Name' with the value 'admin', 'Password' with the value '*****', and 'Port' with the value '37777'. At the bottom, there are two buttons: 'Login' and 'Cancel'.

Figure 3-3 Login prompt

After you logged in, the configuration tool main interface is shown as below. See Figure 3-4.

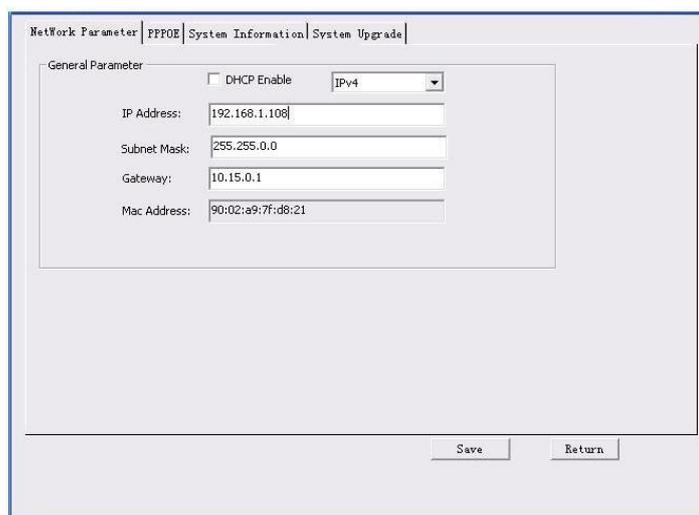
A screenshot of the main configuration interface. At the top, there are tabs: 'Network Parameter', 'PPPOE', 'System Information', and 'System Upgrade'. The 'Network Parameter' tab is active. Below the tabs, there is a 'General Parameter' section. It contains a checkbox for 'DHCP Enable' which is unchecked, and a dropdown menu for 'IPv4' showing 'IPv4'. Below these are five input fields: 'IP Address' (192.168.1.108), 'Subnet Mask' (255.255.0.0), 'Gateway' (10.15.0.1), and 'Mac Address' (90:02:a9:7f:d8:21). At the bottom right, there are two buttons: 'Save' and 'Return'.

Figure 3-4 Main interface

For detailed information and operation instruction of the quick configuration tool, please refer to the *Quick Configuration Tool User's Manual* included in the resources CD.

4 Web Operation

This series network camera products support the Web access and management via PC. Web includes several modules: Monitor channel preview, system configuration, alarm and etc.

4.1 Network Connection

Please follow the steps listed below for network connection.

- Make sure the network camera has connected to the network properly.
- Please set the IP address, subnet mask and gateway of the PC and the network camera respectively. Network camera default IP address is 192.168.1.108. Subnet mask is 255.255.255.0. Gateway is 192.168.1.1
- Use order ping `***.***.***.***`(* network camera address) to check connection is OK or not.

4.2 Login and Main Interface

Open IE and input network camera address in the address bar. See Figure 4- 1.

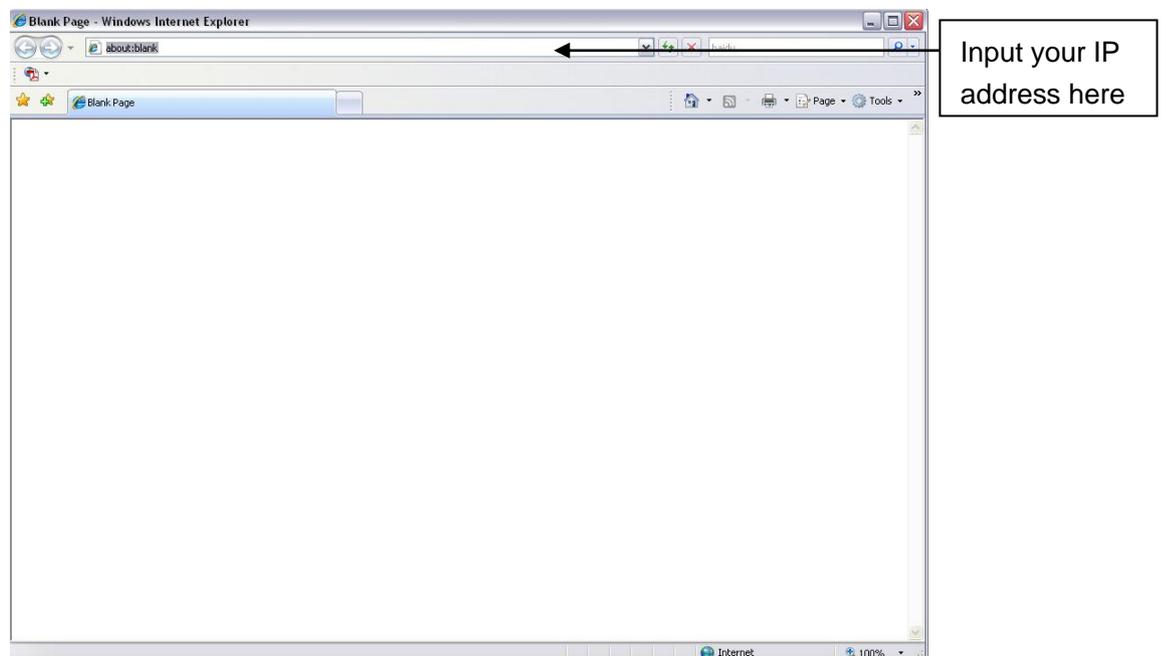


Figure 4- 1 IP address

The login interface is shown as below. See Figure 4- 2.

Please input your user name and password.

Default factory name is admin and password is admin.

Note: For security reasons, please modify your password after you first login.



Figure 4- 2 Web login

After you successfully logged in, please install WEB plug-in unit. Please refer to the Web Operation Manual included in the resource CD for detailed operation instruction.
See Figure 4- 3.

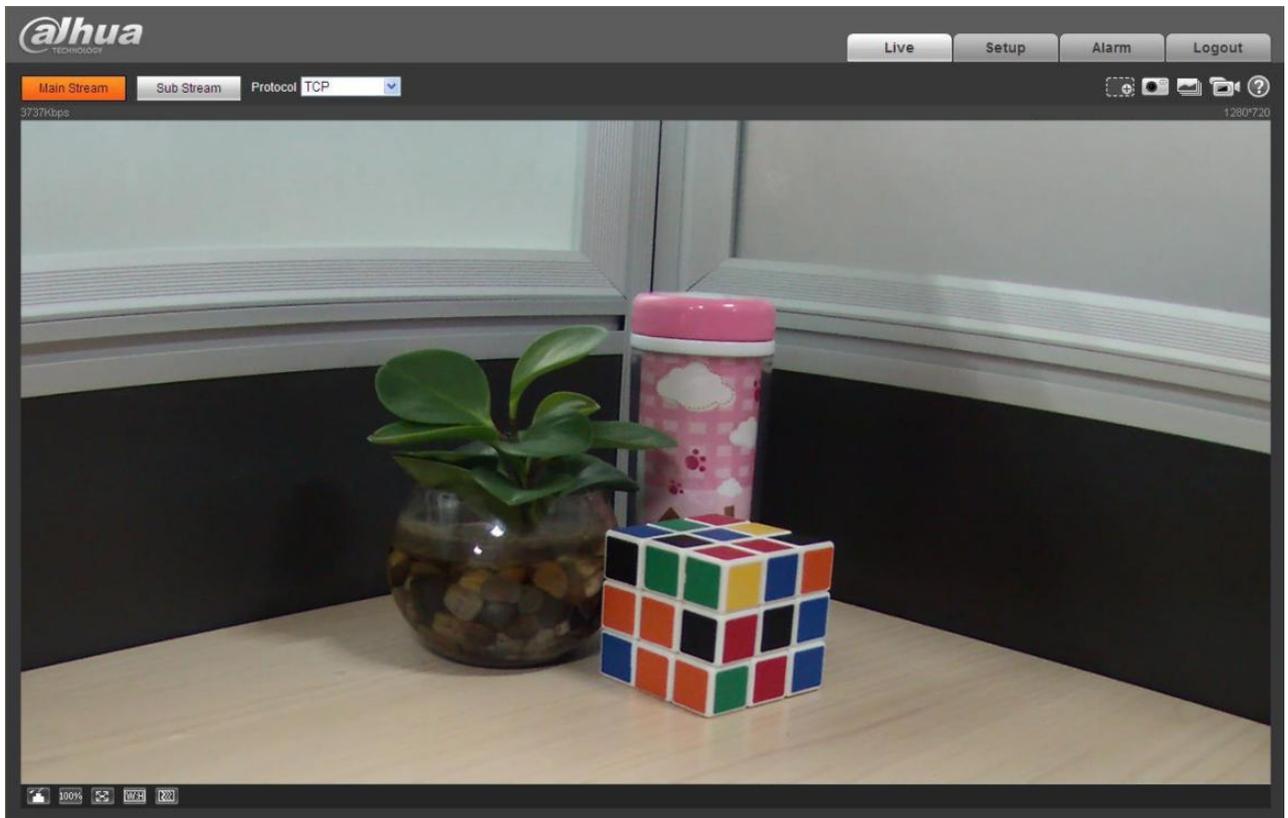


Figure 4- 3 Web monitoring window

Appendix Toxic or Hazardous Materials or Elements

| Component Name | Toxic or Hazardous Materials or Elements | | | | | |
|-------------------------|--|----|----|-------|-----|------|
| | Pb | Hg | Cd | Cr VI | PBB | PBDE |
| Circuit Board Component | ○ | ○ | ○ | ○ | ○ | ○ |
| Device Case | ○ | ○ | ○ | ○ | ○ | ○ |
| Wire and Cable | ○ | ○ | ○ | ○ | ○ | ○ |
| Packing Components | ○ | ○ | ○ | ○ | ○ | ○ |
| Accessories | ○ | ○ | ○ | ○ | ○ | ○ |

O: Indicates that the concentration of the hazardous substance in all homogeneous materials in the parts is below the relevant threshold of the SJ/T11363-2006 standard.

X: Indicates that the concentration of the hazardous substance of at least one of all homogeneous materials in the parts is above the relevant threshold of the SJ/T11363-2006 standard. During the environmental-friendly use period (EFUP) period, the toxic or hazardous substance or elements contained in products will not leak or mutate so that the use of these (substances or elements) will not result in any severe environmental pollution, any bodily injury or damage to any assets. The consumer is not authorized to process such kind of substances or elements, please return to the corresponding local authorities to process according to your local government statutes.

Note:

- **This quick start guide is for reference only. Slight difference may be found in user interface.**
- **All the designs and software here are subject to change without prior written notice.**
- **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 or contact your local service engineer for more information.**



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