HIKVISION

Network Camera

Operation Guide

UD.6L0201D0041A01

www.hikvision.com

Thank you for purchasing our product. If there are any questions, or requests, please do not hesitate to contact the dealer.

About This Manual:

This manual applies to DS-2CD883F-E(W), DS-2CD855F-E, DS-2CD854F(WD)-E(W), DS-2CD853F-E(W), DS-2CD864F(WD)-E(W), DS-2CD863PF(NF)-E(W), DS-2CD893PFWD(NFWD)-E(W), DS-2CD833F-E(W), DS-2CD893PF(NF)-E(W) series camera.

This manual may contain several technical incorrect places or printing errors, and the content is subject to change without notice. The updates will be added to the new version of this manual. We will readily improve or update the products or procedures described in the manual.

DISCLAIMER STATEMENT

"Underwriters Laboratories Inc. ("UL") has not tested the performance or reliability of the security or signaling aspects of this product. UL has only tested for fire, shock or casualty hazards as outlined in UL's Standard(s) for Safety, UL60950-1. UL Certification does not cover the performance or reliability of the security or signaling aspects of this product. UL MAKES NO REPRESENTATIONS, WARRANTIES OR CERTIFICATIONS WHATSOEVER REGARDING THE PERFORMANCE OR RELIABILITY OF ANY SECURITY OR SIGNALING RELATED FUNCTIONS OF THIS PRODUCT.

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Regulatory Information

FCC Information

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 when the equipment is operated in a commercial environment. This equipment generates, 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 communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Conditions

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

1. This device may not cause harmful interference.

2. This device must accept any interference received, including interference that may cause undesired operation

EU Conformity Statement

CE This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the Low Voltage Directive 2006/95/EC, the EMC Directive 2004/108/EC.

2002/96/EC (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info.

2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info.

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1 Appearance Description

1.1 Camera Description

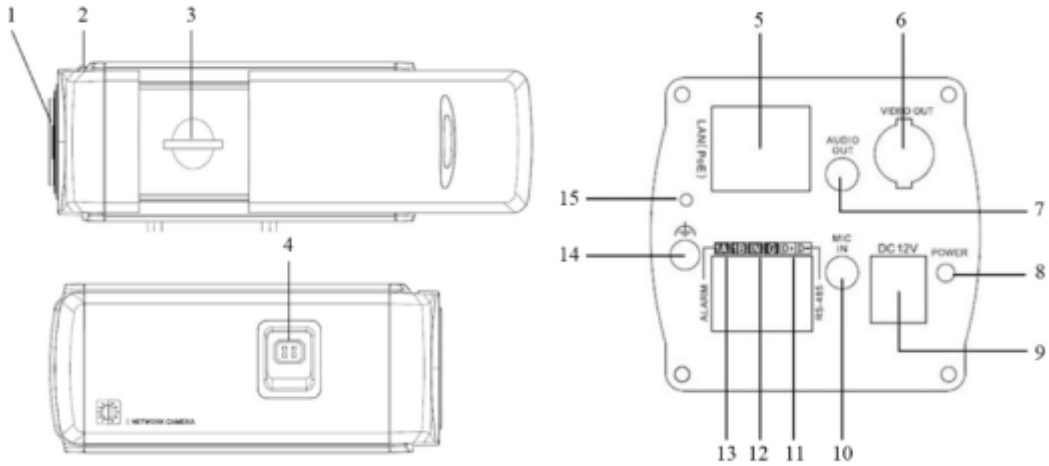


Figure 1-1 Overview

Table 1-1 Description

No.	Description
1	Lens mount
2	Back Focus Ring
3	SD card slot
4	Auto-iris interface
5	10M/100M self-adaptive Ethernet interface

6	VIDEO OUT: Video output interface
7	AUDIO OUT: Audio output interface
8	POWER: Power LED indicator
9	Power supply interface
10	MIC IN: Audio input interface
11	D+, D-: RS-485 interface
12	IN, G: Alarm input interface
13	1A, 1B: Alarm output interface
14	Ground
15	RESET: Reset button

Notes:

- To reset the default parameters to the camera, you need to press and hold the RESET button and power on the camera. After the power on of the camera, you must still press and hold the Reset button for about 20 seconds.
- The type of auto-iris interface is shown as below figure:

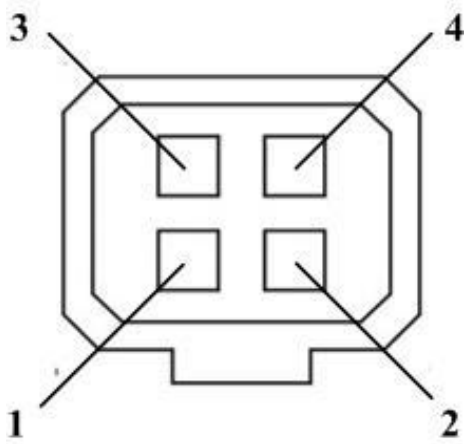


Figure 1-2 Auto-iris Interface

Table 1-2 Pins

	DC-driven
1	Damp-
2	Damp+
3	Drive+
4	Drive-

Power, Video and GND pins are used when the auto-iris is driven by video; Damp+, Damp-, Drive+ and Drive- pins are used when the auto-iris is driven by DC.

1.2 Camera wiring diagram

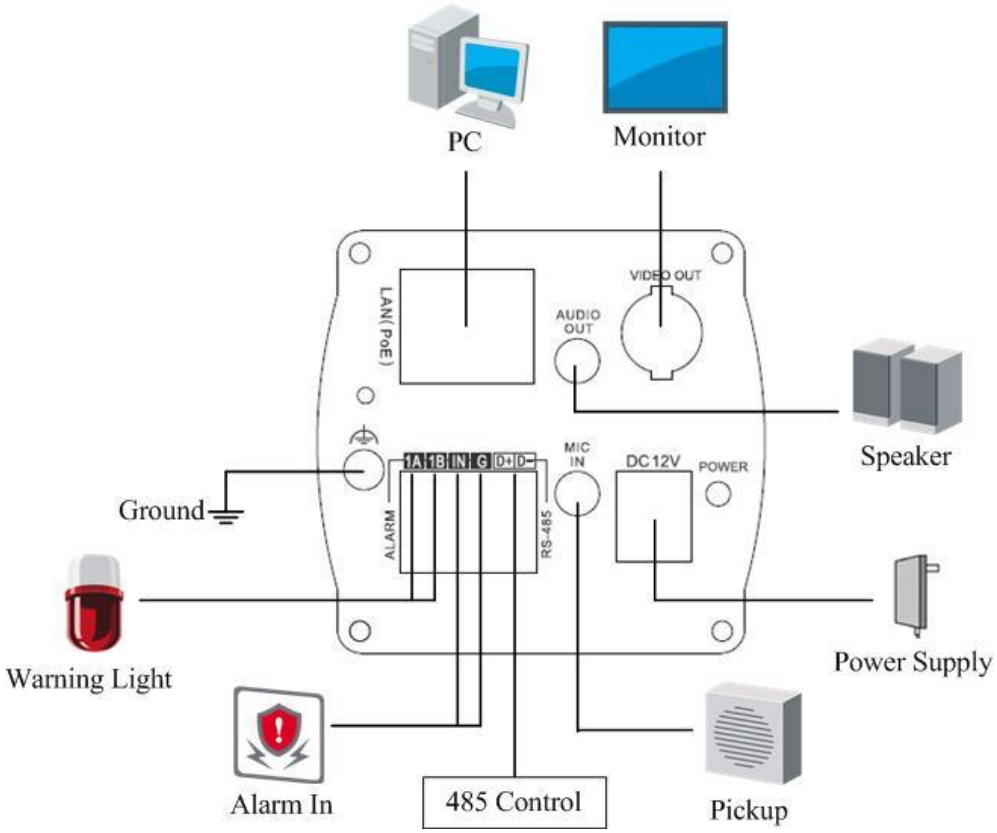


Figure 1-3 Wiring Diagram

2 Installation

Before you start:

- Read the following contents carefully before the installation.
- Make sure that all the related equipment is power-off during the installation.
- Check whether the power supply is matched with your AC outlet to avoid damage.
- Do not place the camera in extremely hot or damp environment. To avoid heat accumulation, good ventilation is required for a proper operating environment.
- If the product does not function properly, please contact your dealer or the nearest service center. Do not disassemble the camera for repair or maintenance by yourself.

The box camera can be installed to both wall and ceiling. Ceiling mounting is taken as an example in this section; if you adopt wall mounting, you can also take the below procedure as a reference.

Steps:

1. Fix the mounting bracket to the ceiling.

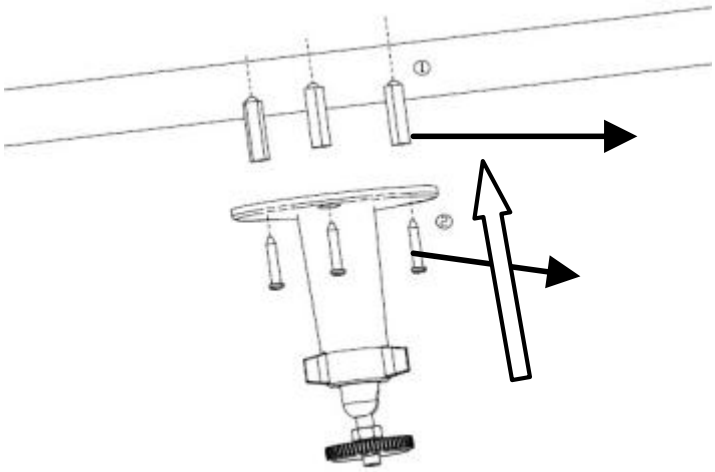


Figure 2-1 Fix Camera Mounting Bracket

Notes:

- ☐ For cement ceiling mounting, you need to use the expansion screw to fix the bracket. The mounting hole of the expansion pipe on the wall should align with the mounting hole on the bracket.
- ☐ For wooden ceiling mounting, you can just use the self-tapping screw to fix the bracket.
- ☐ The ceiling must be strong enough to withstand more than 5 times the weight of the camera and the bracket.

2. Aim the screw hole on the camera at the bracket and rotate the camera tightly. Adjust the camera to the desired surveillance angle and tighten the knob on bracket to secure the camera.

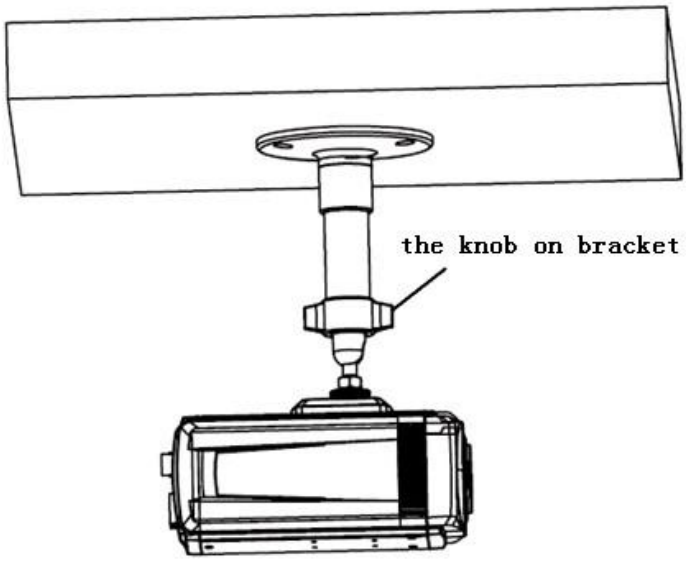


Figure 2-2 Fix the Camera

3. Mount the camera lens.

   Connect the VIDEO OUT interface of the camera to the debugging monitor. Adjust the lens focus to obtain a perfect image on the monitor, and finally lock the lens. If required, loosen the knob on the mounting bracket and adjust the camera to the desired surveillance angle, and finally tighten the knob on bracket.

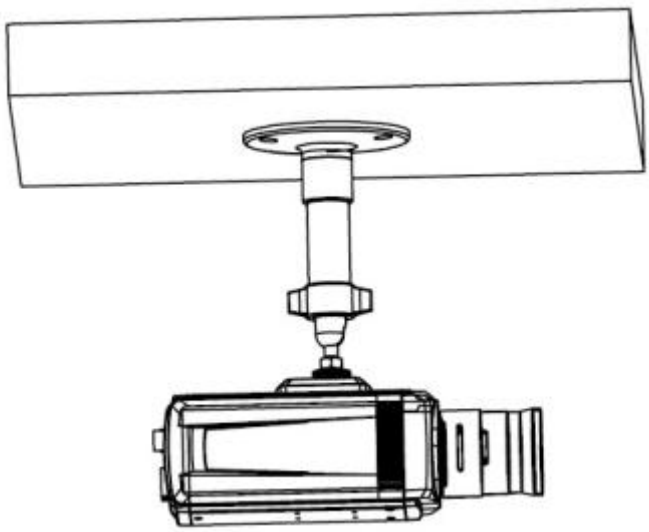


Figure 2-3 Mount and Adjust Lens

3 Setting the Network Camera over the LAN

Purpose:

To view and configure the camera via LAN(Local Area Network), you need to connect the network camera in the same subnet with your PC. Then, install the SADP or iVMS-4200 software to search and change the IP of network camera.

- The following figure shows the cable connection of network camera and PC:

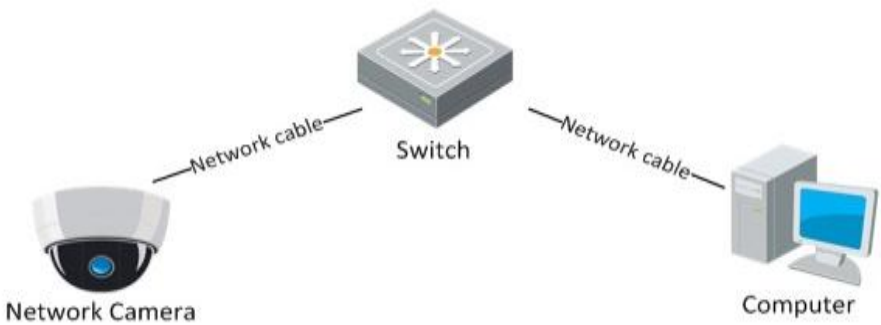


Figure 3-1 Wiring over LAN

- Set the IP address of the camera for accessing via LAN.

Steps:

1. To get the IP address, you can choose either of the following methods:

   ☐ Use SADP, a software tool which can automatically detect network camera in the LAN and list the device information like IP address, subnet mask, port number, device serial number, device version, etc., shown in Figure 3-2.

- ☐ Use iVMS-4200 software and to list the online devices. Please refer to the user manual of client software for detailed information.

2. Change the IP address and subnet mask to the same subnet as of your PC.

   Refer to the following introductions to set IP address with SADP software:

   - ☐ **Search active devices online**

     Search online devices automatically:

     After launch the SADP software, it automatically searches the online devices every 15 seconds from the subnet where your computer locates. It displays the total number and information of the searched devices in the Online Devices interface. Device information including the device type, IP address, port number, gateway, etc. will be displayed.

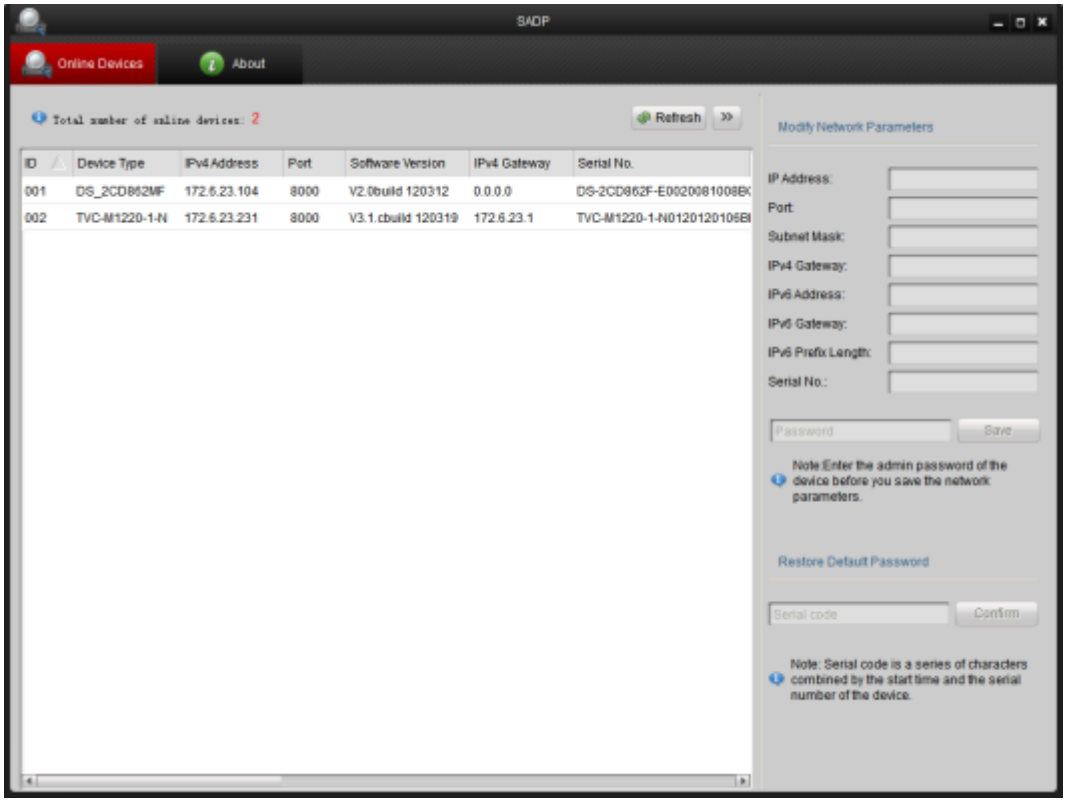
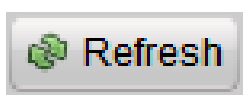


Figure 3-2 Searching Online Devices

Note: Device can be searched and displayed in the list in 15 seconds after it goes online; it will be removed from the list in 45 seconds after it goes offline.

Search online devices manually:

You can also click 

to refresh the online device list manually. The newly searched devices will be added to the list.

Note: You can click  or  on each column heading to order the information; you can click  to show the device table and hide the network parameter panel on the right side, or click  to show the network parameter panel.

☐ **Modify device information**

Steps:

1). Select the device to be modified in the device list as shown in Figure 3-3. The network parameters of the device will be displayed in the Modify Network Parameters panel on the right side as shown in Figure 3-4.

2). Edit the modifiable network parameters, e.g. IP address and port number.

3). Enter the password of the admin account of the device in the Password field and click 

to save the changes.

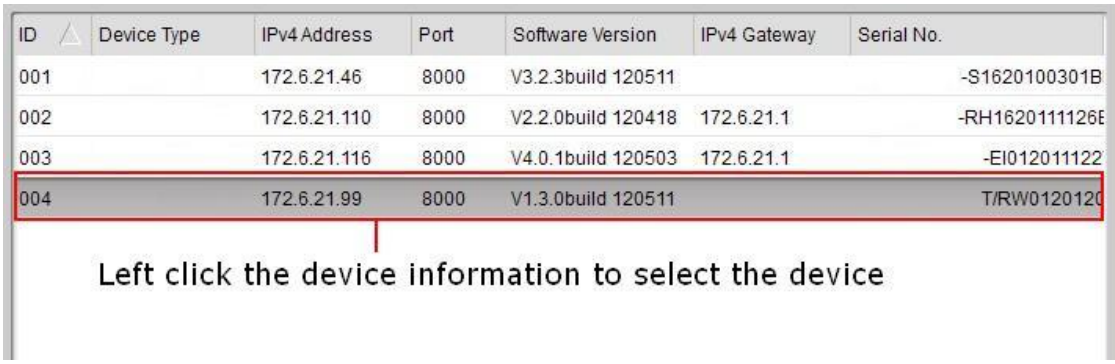


Figure 3-3 Select a device

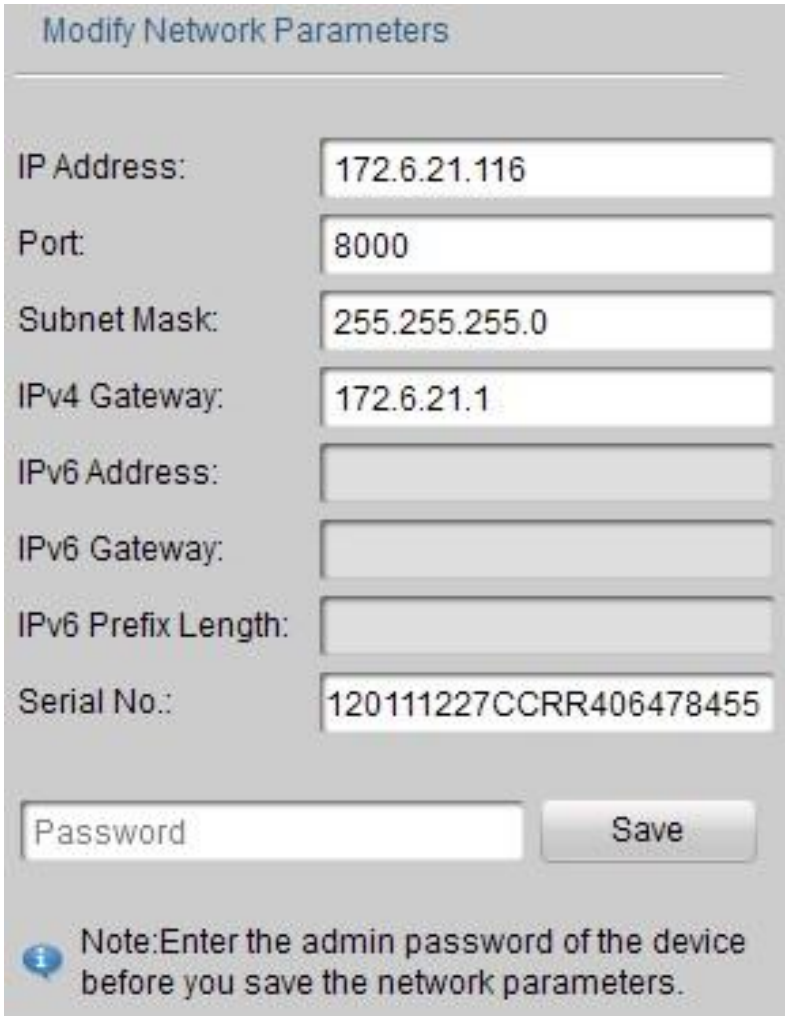


Figure 3-4 Modify Network Parameters

3. Enter the IP address of network camera in the address field of the web browser to view the live video.

Note:

- The default value of the IP address is "192.0.0.64". The default user name is "admin", and password is "12345".
- For accessing the network camera from different subnets, please set the gateway for the network camera after you log in.

4 Accessing via WEB browser

System Requirement:

Operating System: Microsoft Windows XP SP1 and above version / Vista / Win7 / Server 2003 / Server 2008 32bits

CPU: Intel Pentium IV 3.0 GHz or higher

RAM: 1G or higher

Display: 1024×768 resolution or higher

Web Browser: Internet Explorer 6.0 and above version, Apple Safari 5.02 and above version, Mozilla Firefox 3.5 and above version and Google Chrome8 and above version

Before you start:

Check the security level of the web browser and change it to **Low**.

On the IE browser menu bar, navigate to **Tools** > **Internet options** > **Security** > **Custom level** to customize the level to **LOW**.

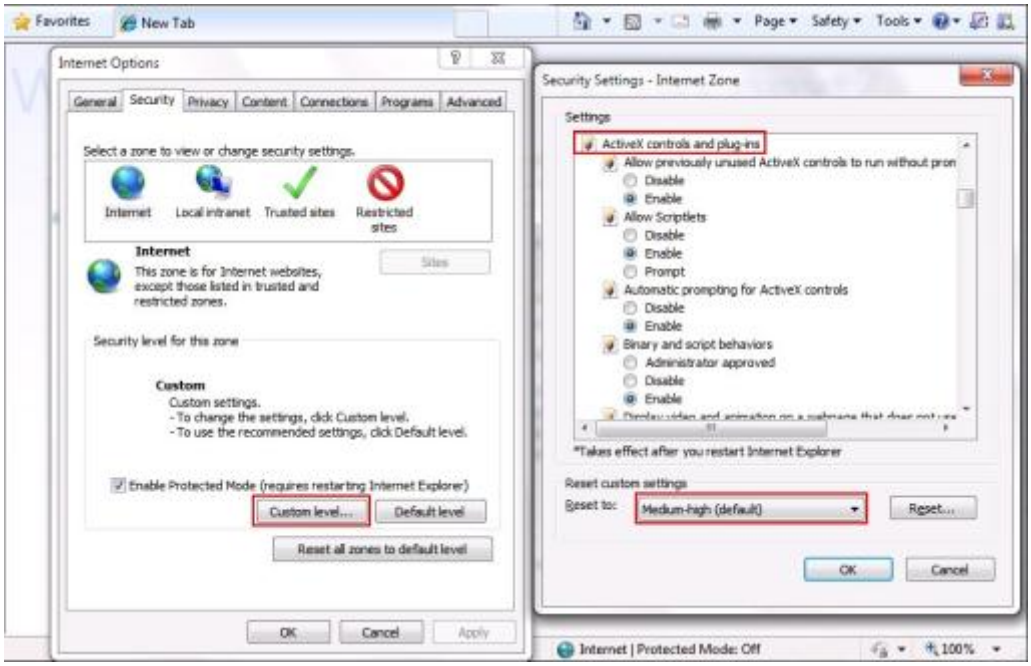


Figure 4-1 Adjust the Security Level

Steps:

1. Open the web browser.
2. In the browser address bar, input the IP address of the network camera, e.g., 192.0.0.64 and press the **Enter** key to enter the login interface.
3. Input the user name and password.
4. Click 

.

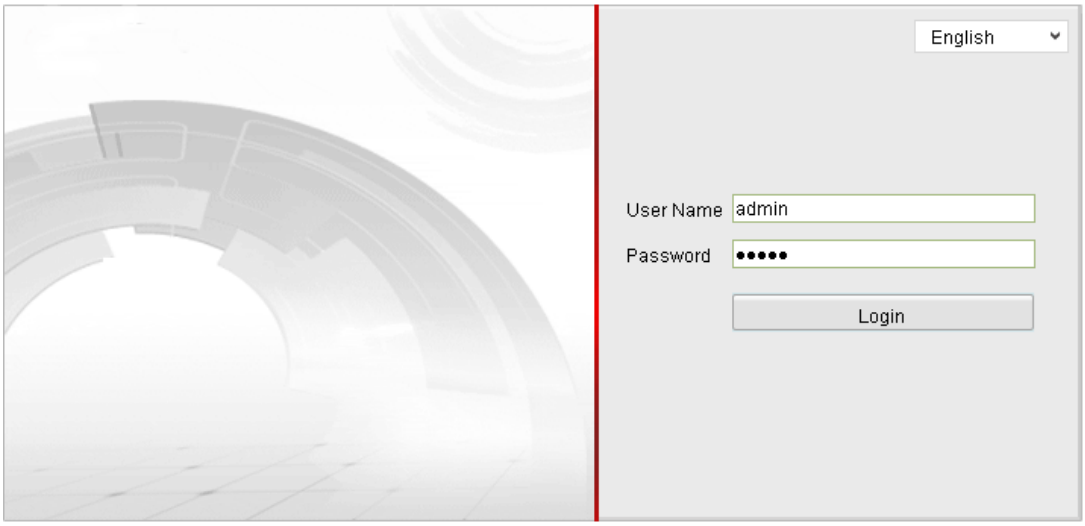


Figure 4-2 Login Interface

5. Install the plug-in before viewing the live video and managing the camera. Please follow the installation prompts to install the plug-in.

Note: You may have to close the web browser to finish the installation of the plug-in.

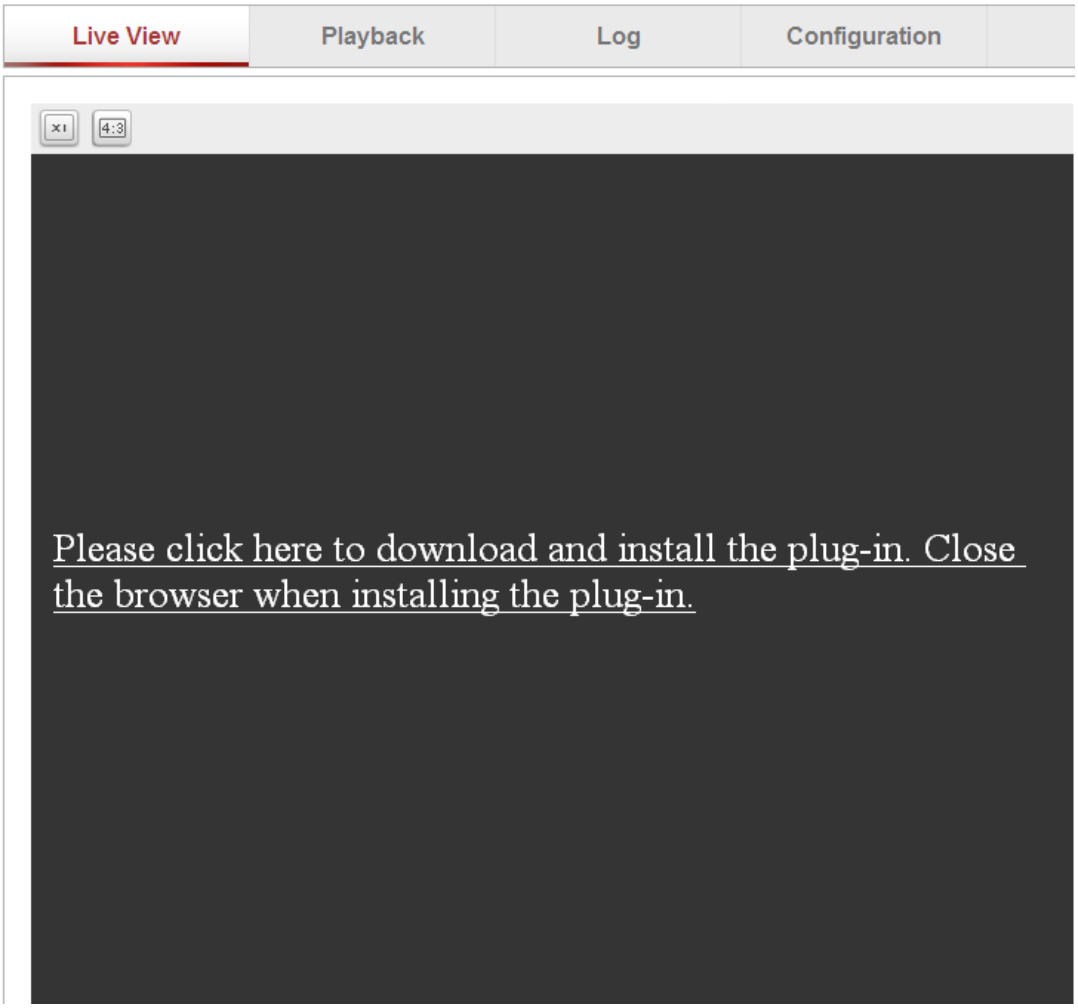


Figure 4-3 Download Plug-in

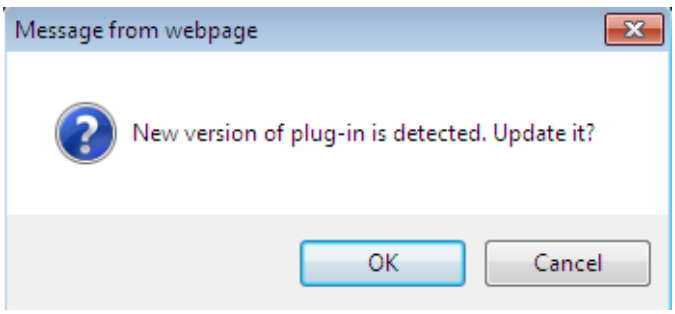


Figure 4-4 Download Plug-in

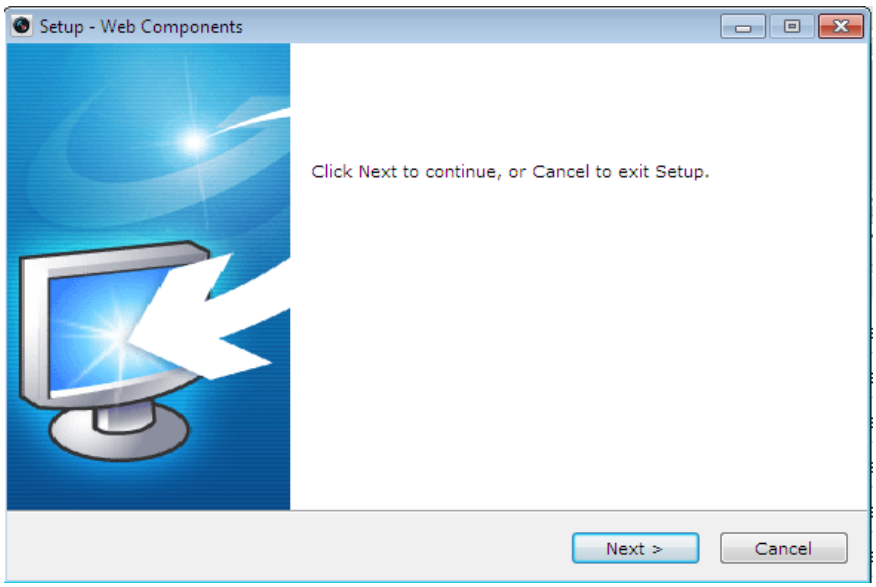


Figure 4-5 Install Plug-in

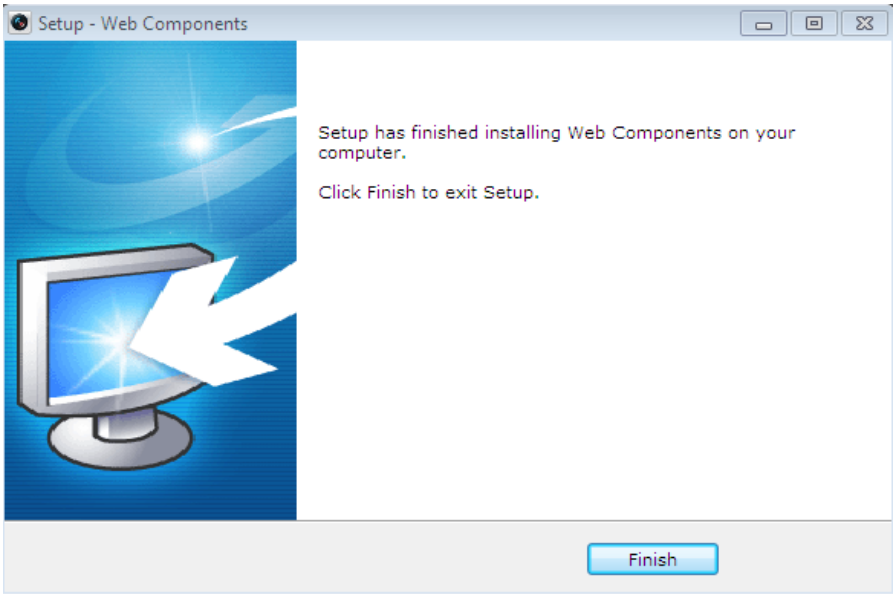


Figure 4-6 Install Plug-in

6. Reopen the web browser after the installation of the plug-in and repeat the above steps 2-4 to login.

Note: For detailed instructions of further configuration, please refer to the user manual of network camera.

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