HIKVISION

Network Bullet Camera

Quick Start Guide

UD.6L0201B1867A01

Quick Start Guide

About this Manual

This Manual is applicable to 26xx Network Camera.

The Manual includes instructions for using and managing the product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version in the company website (http://overseas.hikvision.com/en/).

Please use this user manual under the guidance of professionals.

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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

$C\epsilon$ 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 EMC Directive 2004/108/EC, the RoHS Directive 2011/65/EU.

2012/19/EU (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

Industry Canada ICES-003 Compliance

This device meets the CAN ICES-3 (B)/NMB-3(B) standards requirements.

Safety Instruction

These instructions are intended to ensure that user can use the product correctly to avoid danger or property loss.

The precaution measure is divided into "Warnings" and "Cautions"

Warnings: Serious injury or death may occur if any of the warnings are neglected.

Cautions: Injury or equipment damage may occur if any of the cautions are neglected.

Warnings Follow these safeguards to prevent serious injury or death.	**Cautions** Follow these precautions to prevent potential injury or material damage.

 Warnings

- Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.

- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region. Please refer to technical specifications for detailed information.

- Input voltage should meet both the SELV (Safety Extra Low Voltage) and the Limited Power Source with 24 VAC or 12 VDC according to the IEC60950-1 standard. Please refer to technical specifications for detailed information.

- Do not connect several devices to one power adapter as adapter overload may cause over-heating or a fire hazard.

- Please make sure that the plug is firmly connected to the power socket. When the product is mounted on wall or ceiling, the device shall be firmly fixed.

- If smoke, odor or noise rise from the device, turn off the power at once and unplug the power cable, and then please contact the service center.

 Cautions

- Make sure the power supply voltage is correct before using the camera.
- Do not drop the camera or subject it to physical shock.
- Do not touch sensor modules with fingers. If cleaning is necessary, use clean cloth with a bit of ethanol and wipe it gently. If the camera will not be used for an extended period, please replace the lens cap to protect the sensor from dirt.
- Do not aim the camera at the sun or extra bright places. Blooming or smearing may occur otherwise (which is not a malfunction), and affect the endurance of sensor at the same time.
- The sensor may be burned out by a laser beam, so when any laser equipment is in using, make sure that the surface of sensor will not be exposed to the laser beam.
- Do not place the camera in extremely hot, cold (the operating temperature shall be-30°C ~+60°C, or -40°C ~ +60°C if the camera model has an "H" in its suffix), dusty or damp locations, and do not expose it to high electromagnetic radiation.
- To avoid heat accumulation, good ventilation is required for operating environment.
- Keep the camera away from liquid while in use.

- While in delivery, the camera shall be packed in its original packing, or packing of the same texture.

- Regular part replacement: a few parts (e.g. electrolytic capacitor) of the equipment shall be replaced regularly according to their average enduring time. The average time varies because of differences between operating environment and using history, so regular checking is recommended for all the users. Please contact with your dealer for more details.

- Improper use or replacement of the battery may result in hazard of explosion. Replace with the same or equivalent type only. Dispose of used batteries according to the instructions provided by the battery manufacturer.

- If the product does not work properly, please contact your dealer or the nearest service center. Never attempt to disassemble the camera yourself. (We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.)

Table of Contents

1 Appearance Description

1.1 Type I Camera

The overview of type I camera is shown below.
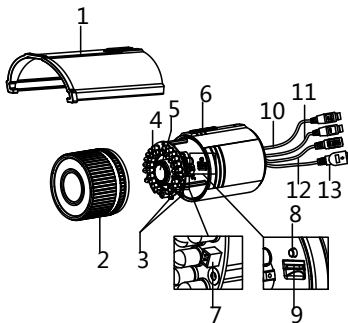
Figure 1-1 Overview of Type I Camera

Table 1-1 Description

No.	Description
1	Sun Shield
2	Front Cover
3	Zoom and Focus Lever

No.	Description
4	IR LED
5	Lens
6	Air Vent
7	Video Output Interface
8	Reset Button
9	SD Card Slot
10	Audio Cable
11	Alarm Cable
12	Power Cable
13	Network Cable

NOTE

Press RESET about 10s when the camera is powering on or rebooting to restore the default settings, including the user name, password, IP address, port No., etc.

1.2 Type II Camera

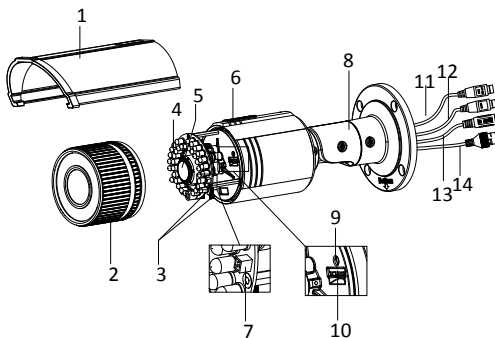The overview of the network bullet camera is shown below.

Figure 1-2 Overview of Type II Camera

Table 1-2 Description

No.	Description
1	Sun Shield
2	Front Cover
3	Zoom and Focus Lever
4	IR LED
5	Lens
6	Air Vent

No.	Description
7	Video Output Interface
8	Integrated Bracket
9	Reset Button
10	SD Card Slot
11	Audio Cable
12	Alarm Cable
13	Power Cable
14	Network Cable

NOTE

Press RESET about 10s when the camera is powering on or rebooting to restore the default settings, including the user name, password, IP address, port No., etc.

2 Installation

Before you start:

- Make sure the device in the package is in good condition and all the assembly parts are included.

- The standard power supply is 12V DC or 24V AC, please make sure your power supply matches with your camera.

- Make sure all the related equipment is power-off during the installation.

- Check the specification of the products for the installation environment.

- Make sure that the wall is strong enough to withstand four times the weight of the camera and the bracket.

For the camera that supports IR, you are required to pay attention to the following precautions to prevent IR reflection:

- Dust or grease on the dome cover will cause IR reflection. Please do not remove the dome cover film until the installation is finished. If there is dust or grease on the dome cover, clean the dome cover with clean soft cloth and isopropyl alcohol.

- Make sure that there is no reflective surface too close to the camera lens. The IR light from the camera may reflect back into the lens causing reflection.

- The foam ring around the lens must be seated flush against the inner surface of the bubble to isolate the lens from the IR LEDS. Fasten the dome cover to camera body so that the foam ring and the dome cover are attached seamlessly.

2.1 Micro Card Installation

This series of camera support micro SD card installation, and we take type I camera as the example to explain the installation steps.

Steps:

1. Rotate the lock screw counterclockwise to loosen it. Slide the sun shield according to the arrow direction as shown below.
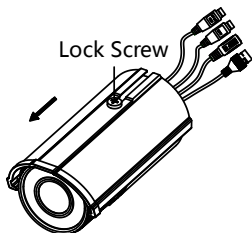
Lock Screw

Figure 2-1 Loosen the Lock Screw

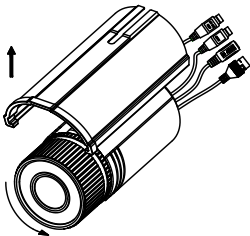2. Remove the sun shield.

Figure 2-2 Remove the Sun Shield

3. Remove the front cover by rotating it counterclockwise.

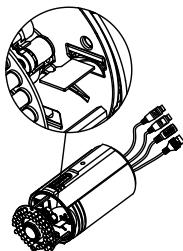4. Insert the SD card to the SD card slot.

Figure 2-3 Insert the SD Card

5. Rotate the front cover clockwise back to the camera and install the sun shield back.

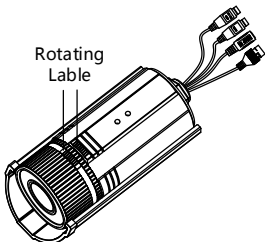6. Tighten the lock screw clockwise to tighten the sun shield.

Figure 2-4 Tighten the Front Cover

NOTE

For water-proof, please align the rotating label on the front cover with that on the camera when you rotate the front cover clockwise.

2.2 Type I Camera Mounting

2.2.1 Wall Mounting

NOTE

You need to purchase a wall bracket separately if wall mounting is selected.

Steps:

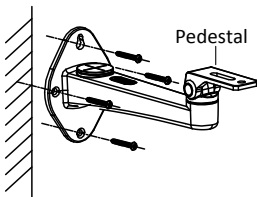1. Install the wall bracket to the wall with the supplied screws.

Figure 2-5 Install the Wall Bracket

Please insert the expansion screws first if the camera is mounted to the cement ceiling. And you can use the self-tapping screws directly if camera is mounted to the wooden ceiling.

2. Align the camera to the pedestal of the bracket, and fix the camera with the supplied screws.
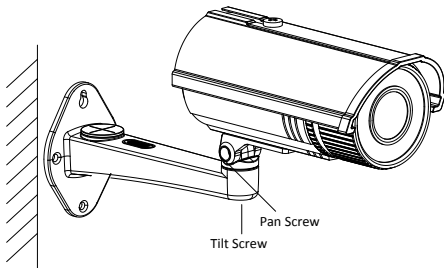

Figure 2-6 Install the Camera

3. Adjust the view angle (refer to chapter 2.4).

4. Adjust the zoom and focus (refer to chapter 2.5).

5. (Optional) Install the water-proof jacket for network interface.

NOTE

It is recommended to adopt the water-proof jacket (supplied) for the network interface when the camera is installed outdoor.

1). If the network cable has been settled down, cut off the plug of the network cable first.

2). Route the network cable through the following components in sequence: fix nut, water-proof ring, and the main body of the water-proof jacket, as shown in the figure.

3). Insert the water-proof ring into the main body of the water-proof jacket, to increase the sealing ability of the components.

4). Wire the plug and network cables up.

5). Fix the O-ring to the network interface of the camera, and then connect the network cables.

6). Wrap the network interface with the main body of the water-proof jacket, and then rotate the fix nut clockwise to assemble it to the main body of the water-proof jacket.
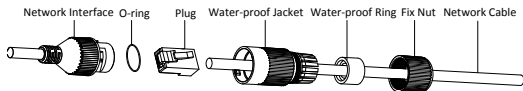

Figure 2-7 Install the Water-proof Jacket

2.2.2 Pendant Mounting

NOTE

You need to purchase a pendant bracket separately if this mounting method is selected.

Steps:

1. Fix the pendant bracket to the ceiling with the supplied screws.
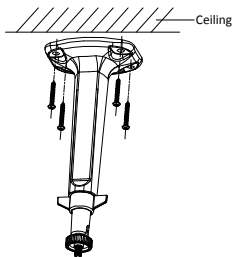

Figure 2-8 Fix the Pendant Bracket

2. Loosen and remove the set screw on the sun shield of the camera.

3. Aim the screwed hole on the camera at the top of the pendant bracket, and then rotate the camera until it is secured tightly.
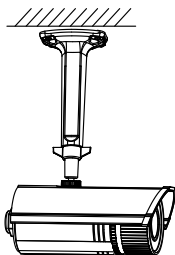
Figure 2-9 Secure the Camera

4. Loosen the knob on the bracket and adjust the camera body to get the desired surveillance view angle. Then, tighten the knob on bracket to secure the camera.
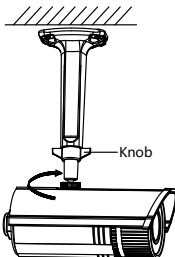

Figure 2-10 Adjust the View Angle

5. Adjust the view angle (refer to chapter 2.4).

6. Adjust the zoom and focus (refer to chapter 2.5).

7. (Optional) Install the water-proof jacket for network interface. For

   details, refer to the Step 5 in Chapter 2.2.1.

2.3 Type II Camera Mounting

This camera is equipped with a bracket on the bottom. It can be
mounted to a wall directly and can also be mounted to a wall with a
junction box or a gang box.

2.3.1 Wall Mounting

Steps:

1. Attach the drill template (supplied) to the wall where the camera
   is to be mounted.

2. Drill screw holes in the wall according to the number one holes of
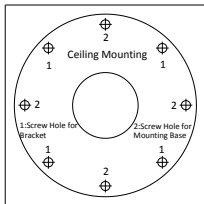   the drill template.

Figure 2-11 Drilling Holes in the Wall

3. If you need to route cables through the wall (or ceiling), cut a cable hole according to the drill template. Skip this step, if you want to route the cables on the surface of the ceiling.

4. Route the cables of the camera.

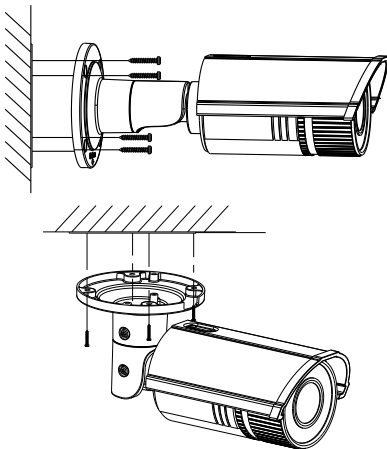5. Secure the camera to the wall (or ceiling) with expansion screws.

Figure 2-12 Secure the Camera

2.3.2 Wall Mounting with a Junction Box

Before you start:

For mounting with a junction box, you have to purchase a junction box.

Steps:

1. Attach the drill template (supplied) to the wall where the camera is to be mounted.

2. Drill holes in the wall according to the number two holes of the drill template.

3. If you need to route cables through the wall (or ceiling), cut a cable hole according to the drill template. Skip this step, if you want to route the cables on the surface of the ceiling.

4. Secure the junction box to the wall with expansion screws.

5. Route the cables of the camera.

6. Connect the video output connector to the monitor. Connect the power connector to the power supply.

7. Adjust the image and focus. Please refer to the chapter 2.4 and chapter 2.5 for more detailed information.

8. Hook the camera to the junction box with the safety rope.

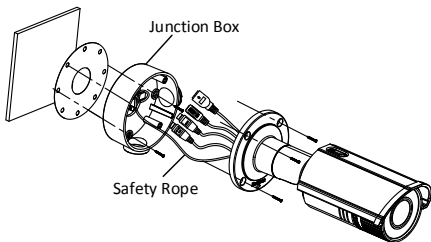9. Secure the camera to the junction box with screws.

Figure 2-13 Secure the Camera

2.3.3 Wall Mounting with a Gang Box

Before you start:

For mounting with a gang box, you have to purchase a gang box.

Steps:

1. Secure the camera attachment to a gang box with screws.

2. Route the cables of the camera.

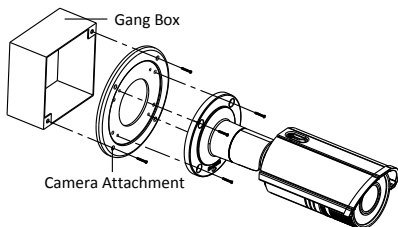3. Secure the camera to the camera attachment with screws.

Figure 2-14 Secure the Camera

2.4 View Angle Adjusting

3-axis (pan/tilt/rotation) adjusting allows adjustment for optimum camera rotation and placement. Please follow the steps below to adjust the view angle. We take type II camera as the example to explain the adjusting steps.

Pan Adjustment

Steps:

1. Loosen the lock screw-1.

2. Adjust the panning position of the camera. The adjusting range is from 0 degrees to 360 degrees.

3. Tighten the lock screw-1.

Tilt Adjustment

Steps:

1. Loosen the lock screw-2.

2. Adjust the tilting position of the camera. The adjusting range is from 0 degrees to 90 degrees.

3. Tighten the lock screw-2.

Rotation Adjustment

Steps:

1. Loosen the lock screw-3.

2. Rotate the rotation position to adjust the azimuth angle of the image. The adjusting range is from 0 degrees to 360 degrees.
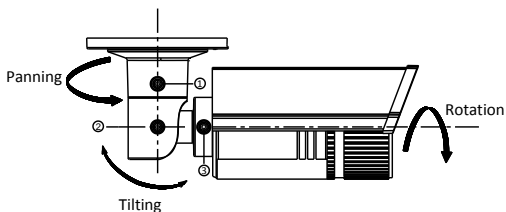
3. Tighten the lock screw-3.

Figure 2-15 Lens Adjustment

2.5 Zoom and Focus Adjusting

Purpose:

You can use the zoom lever and focus lever to adjust the zoom value and focus value. Please follow the steps below to adjust the focus

and zoom. We take type II camera as the example to explain the adjusting steps.

Steps:

1. Disassemble the camera.

2. View the camera image using the monitor.

3. Loosen the zoom lever and move the lever between T (Tele) and W (Wide) to obtain the appropriate angle of view.

4. Tighten the zoom lever.

5. Loosen the focus lever and move the screw between F (Far) and N (Near) to obtain the optimum focus.
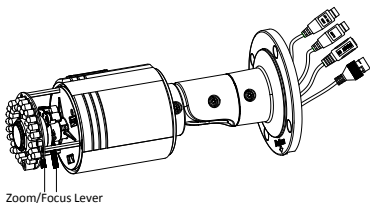
6. Tighten the focus lever.

7. Assemble the camera.

Zoom/Focus Lever

Figure 2-16 Zoom and Focus Adjustment

NOTE

If the camera is equipped with a fixed lens, you don't need to adjust the zoom and focus.

3 Setting the Network Camera over the LAN

Note:

You shall acknowledge that the use of the product with Internet access might be under network security risks. For avoidance of any network attacks and information leakage, please strengthen your own protection. If the product does not work properly, please contact with your dealer or the nearest service center.

3.1 **Wiring**

Please connect to the camera to the network according to the following figures
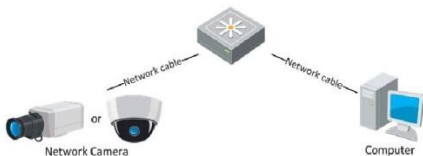

Figure 3-1 Connecting Directly

Figure 3-2 Connecting via a Switch or a Router

3.2 **Activating the Camera**

You are required to activate the camera first by setting a strong password for it before you can use the camera.

Activation via Web Browser, Activation via SADP, and Activation via Client Software are all supported. We will take activation via SADP software and Activation via Web Browser as examples to introduce the camera activation. Please refer to the User Manual of Network Camera for Activation via Client Software.

3.2.1 **Activation via Web Browser**

Steps:

1. Power on the camera, and connect the camera to the network.

2. Input the IP address into the address bar of the web browser, and click Enter to enter the activation interface.

   Notes:

   ● The default IP address of the camera is 192.168.1.64.

   ● For the camera enables the DHCP by default, you need to activate the camera via SADP software and search the IP address.
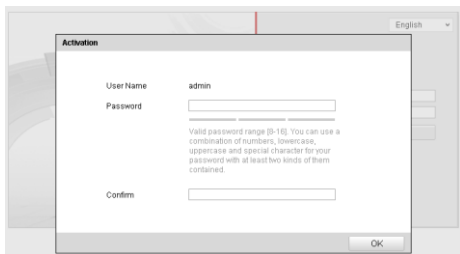
Figure 3-3 Activation Interface(Web)

3. Create a password and input the password into the password field.

> ⚠️ **STRONG PASSWORD RECOMMENDED**– *We highly recommend you create a strong password of your own choosing (using a minimum of 8 characters, including upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.*

4. Confirm the password.

5. Click **OK** to save the password and enter the live view interface.

3.2.2 **Activation via SADP Software**

SADP software is used for detecting the online device, activating the camera, and resetting the password.

Get the SADP software from the supplied disk or the official website, and install the SADP according to the prompts. Follow the steps to activate the camera, please refer to the User Manual of Network Camera for other two activation methods.

Steps:

1. Run the SADP software to search the online devices.

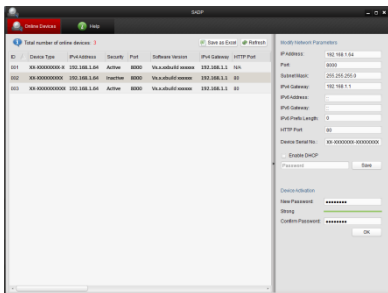2. Check the device status from the device list, and select the inactive device.

Figure 3-4 SADP Interface

Note:

The SADP software supports activating the camera in batch. Please refer to the user manual of SADP software for details.

3. Create a password and input the password in the password field, and confirm the password.

⚠️ **STRONG PASSWORD RECOMMENDED**– *We highly recommend you create a strong password of your own choosing (using a minimum of 8 characters, including upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.*

4. Click **OK** to save the password.

   You can check whether the activation is completed on the popup window. If activation failed, please make sure that the password meets the requirement and try again.

3.3 **Modifying the IP Address**

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 software or client software to search and change the IP of network camera. We will take modifying the IP Address via SADP software as an example to introduce the IP address modification.

Steps:

1. Run the SADP software.

2. Select an active device.

Note:

Please refer to Chapter 3.2 to activate the camera if the camera is inactive.

3. Change the device IP address to the same subnet with your computer by either modifying the IP address manually or checking the checkbox of Enable DHCP.

Modify Network Parameters	
IP Address:	192.168.1.64
Port:	8000
Subnet Mask:	255.255.255.0
IPv4 Gateway:	192.168.1.1
IPv6 Address:	::
IPv6 Gateway:	::
IPv6 Prefix Length:	0
HTTP Port:	80
Device Serial No.:	XX-XXXXXXX-XXXXXXXX
☐ Enable DHCP	
Password	Save

Figure 3-5 Modify the IP Address

4. Input the password to activate your IP address modification.

The batch IP address modification is supported by the SADP; please refer to the User Manual of SADP for details.

4 Accessing via Web Browser

System Requirement:

Operating System: Microsoft Windows XP SP1 and above version

CPU: 2.0 GHz or higher

RAM: 1G or higher

Display: 1024×768 resolution or higher

Web Browser: Internet Explorer 8.0 and above version, Apple Safari 5.0.2 and above version, Mozilla Firefox 5.0 and above version and Google Chrome 18 and above version

Steps:

1. Open the web browser.
2. In the browser address bar, input the IP address of the network camera, and press the **Enter** key to enter the login interface.

    Note:

    ● The default IP address is 192.168.1.64.

    ● If the camera is not activated, please activate the camera first according to Chapter 3.2.

3. Input the user name and password.

    The admin user should configure the device accounts and user/operator permissions properly. Delete the unnecessary accounts and user/operator permissions.

    Note:

    The device IP address gets locked if the admin user performs 7 failed password attempts (5 attempts for the user/operator).

4.   Click **Login**.

Figure 4-1 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

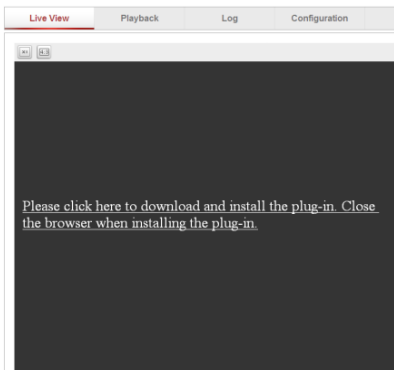You may have to close the web browser to finish the installation of the plug-in.

| Live View | Playback | Log | Configuration |

Please click here to download and install the plug-in. Close the browser when installing the plug-in.

Figure 4-2 Download Plug-in

Setup - Web Components

Click Next to continue, or Cancel to exit Setup.
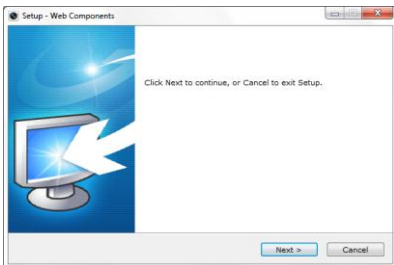
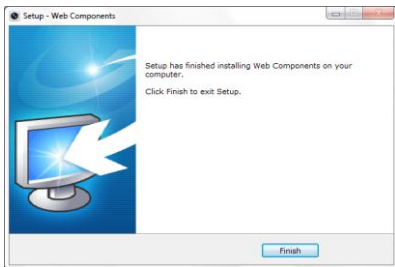Next >   Cancel

Figure 4-3 Install Plug-in (1)

Figure 4-4 Install Plug-in (2)

6. Reopen the web browser after the installation of the plug-in and repeat 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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