

advitia

Network Bullet Camera

Quick Start Guide

About this Manual

This Manual is applicable to A-18, A-28, A-38 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

Please use this user manual under the guidance of professionals.

Legal Disclaimer

REGARDING TO THE PRODUCT WITH INTERNET ACCESS, THE USE OF PRODUCT SHALL BE WHOLLY AT YOUR OWN RISKS. OUR COMPANY SHALL NOT TAKE ANY RESPONSIBILITIES FOR ABNORMAL OPERATION, PRIVACY LEAKAGE OR OTHER DAMAGES RESULTING FROM CYBER ATTACK, HACKER ATTACK, VIRUS INSPECTION, OR OTHER INTERNET SECURITY RISKS; HOWEVER, OUR COMPANY WILL PROVIDE TIMELY TECHNICAL SUPPORT IF REQUIRED.

SURVEILLANCE LAWS VARY BY JURISDICTION. PLEASE CHECK ALL RELEVANT LAWS IN YOUR JURISDICTION BEFORE USING THIS PRODUCT IN ORDER TO ENSURE THAT YOUR USE CONFORMS THE APPLICABLE LAW. OUR COMPANY SHALL NOT BE LIABLE IN THE EVENT THAT THIS PRODUCT IS USED WITH ILLEGITIMATE PURPOSES.

IN THE EVENT OF ANY CONFLICTS BETWEEN THIS MANUAL AND THE APPLICABLE LAW, THE LATER PREVAILS.

Regulatory Information

FCC Information

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC compliance: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. 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

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



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 2014/30/EU, 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.

	
<p>Warnings Follow these safeguards to prevent serious injury or death.</p>	<p>Cautions Follow these precautions to prevent potential injury or material damage.</p>



Warnings

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



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.

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- Do not place the camera in extremely hot, cold (the operating temperature shall be $-30^{\circ}\text{C} \sim +60^{\circ}\text{C}$, 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.)

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1 Appearance Description

1.1 Overview of Type I Bullet Camera(A-18, A-38)

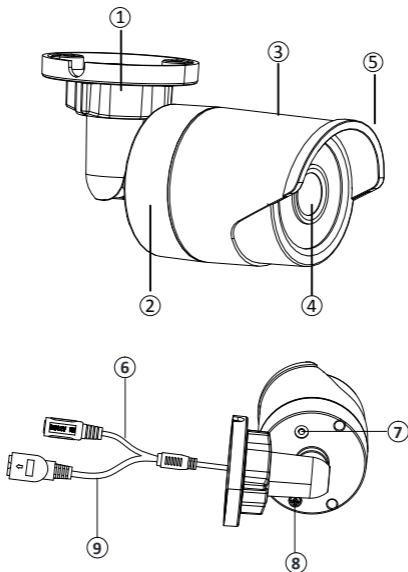


Figure 1-1 Type I Bullet Camera

Table 1-1 Description

No.	Description	No.	Description
1	Mounting Base	4	Lens
2	Back Case	5	Sun Shield
3	Front Case	6	Power Cable
7	Reset Button	8	GND Screw
9	10/100M Self-adaptive Ethernet Interface		



- Type I camera does not support the function of Wi-Fi or SD card.
- Press Reset button about 10s when the camera is power on or rebooting to restore the default settings, including the user name, password, IP address, port No., etc.

1.2 Overview of Type II Bullet Camera(A-28)

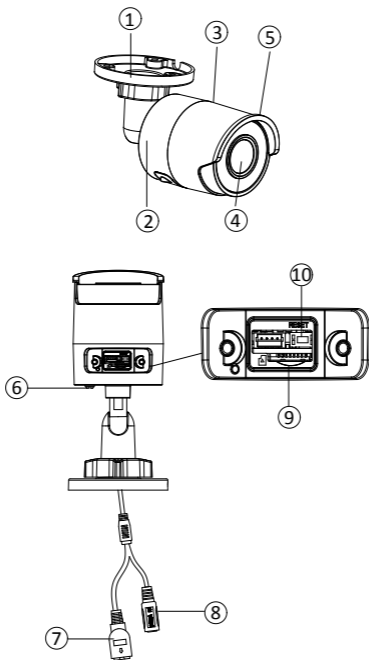


Figure 1-2 Type II Bullet Camera

Table 1-2 Description

No.	Description	No.	Description
1	Mounting Base	6	Grounding Screw
2	Back Case	7	10/100M Self-adaptive Ethernet Interface (PoE)
3	Front Case	8	Power Supply (DC 12V)
4	Lens	9	Memory Card Slot
5	Sun Shield	10	Reset Button



- This type of bullet camera supports PoE power supply. You can power the camera by connecting both DC 12V interface and the Ethernet interface. Or you can connect the Ethernet interface only.
- Press and hold the reset button 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, 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 Installation of Memory Card

Type II and Type III camera support memory card function. Follow the steps to mount and unmount a memory card.

Steps:

1. Unscrew the cover on back case to expose memory card slot.

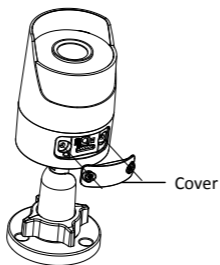
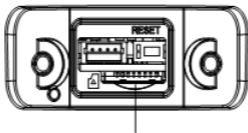


Figure 2-1 Unscrew the Cover

2. Insert the memory card into the memory card slot.



Memory Card Slot

Figure 2-2 Insert Memory Card

- (Optional) To unmount the memory card, push to get it ejected.
- Screw the cover back to the camera.

2.2 Installation of the Bullet Camera



Both wall mounting and ceiling mounting are suitable for the bullet camera. Wall mounting will be taken as an example in this section. You can take steps of wall mounting as a reference if ceiling mounting is adopted.

Steps:

- Drill the screw holes in the wall according to the drill template.

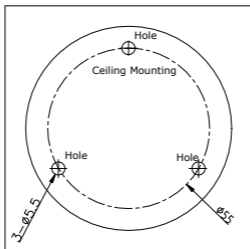


Figure 2-3 Drill Template

- Route the corresponding cables.
- Secure the camera to the wall with the supplied Screws.

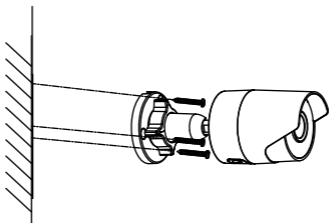


Figure 2-4 Secure the Camera to the Ceiling

4. Connect the cables and power on the camera to view live view image.
5. Adjust the surveillance angle.

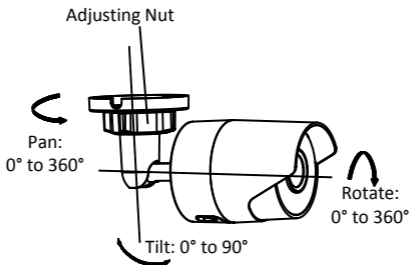


Figure 2-5 3-axis Adjustment

- 1). Loosen the adjusting nut.
- 2). Adjust the pan direction [0° to 360°].

- 3). Adjust the tilt direction [0° to 90°].
- 4). Rotate the camera [0° to 360°] to adjust the lens to the surveillance angle.
- 5). Tighten the adjusting nut to complete the installation.

2.3 Installation of Network Cable Water-proof Jacket

Purpose:

If the camera is installed outdoor, you can adapt the water-proof accessory for the network cable after the camera is secured on the installation surface.

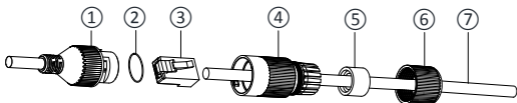


Figure 2-6 Water-proof Accessory Components

Table 2-1 Components

No.	Components
1	Camera's Network Interface Socket
2	O-Type Gasket
3	Network Plug

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No.	Components
4	Waterproof Endcap
5	Waterproof Rubber Gasket
6	Lock Nut
7	Network Cable from Router/Switch

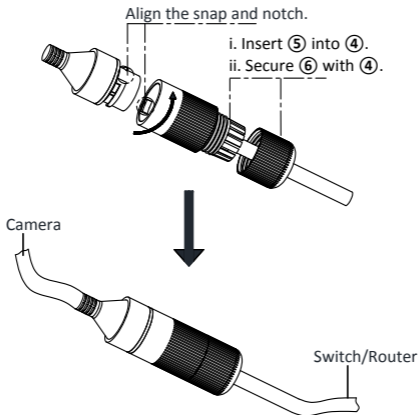


Figure 2-7 Water-proof Accessory Installation

Steps:

1. Feed the plugless network cable (7) through the lock nut (6), waterproof rubber gasket (5) (rubber gasket inset ridge must face waterproof endcap), and the water-proof endcap (4) in order.
2. Crimp an RJ-45 network plug (3) onto the end of the cable, taking care to insert the twisted pairs of wires in correct order.
3. Place the O-type gasket (2) onto the end of the camera's network interface socket (1).
4. Insert the network plug (3) into the camera's network interface socket (1).
5. Insert the water-proof rubber gasket (5) into the waterproof endcap (4), and secure lock nut (6) with the water-proof endcap (4).
6. Align the snap on the water-proof endcap (4) with the notch on the camera's network interface socket (1), and then secure the water-proof endcap (4) to the camera's network interface socket (1) to finish installation.

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, contact your dealer or the nearest service center for help.

3.1 Wiring

Connect the camera to network according to the following figures.

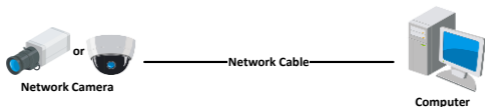


Figure 3-1 Connecting Directly

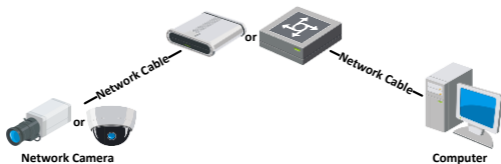


Figure 3-2 Connecting via a Switch or a Router

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, and Activation via Advidia Camera Finder Utility are both supported.

3.2.1 Activation via Web Browser

Steps:

1. Power on the camera. Connect the camera to your computer or the switch/router which your computer connects to.
2. Input the IP address into the address bar of the web browser, and press Enter to enter the activation interface.

Notes:

- The default IP address of the camera is 192.0.0.64.
- The computer and the camera should belong to the same subnet.

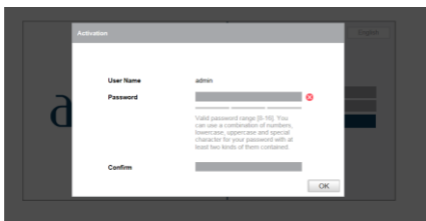


Figure 3-3 Activation Interface(Web)

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 Advidia Camera Finder Utility

Advidia Camera Finder Utility is used for detecting the online device, activating the camera, and resetting the password.

Get the Advidia Camera Finder Utility from the supplied disk or the official website, and install the Advidia Camera Finder Utility 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 Advidia Camera Finder Utility to search the online devices.
2. Check the device status from the device list, and select the inactive device.

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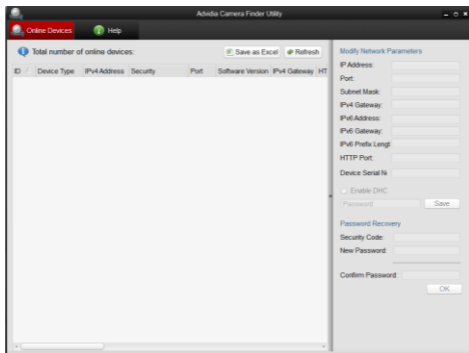


Figure 3-4 Advidea Camera Finder Utility Interface

3. Create and input the new 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 **Save** to start activation.

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

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 192.0.0.64. You are recommended to change the IP address to the same subnet with your computer.

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.

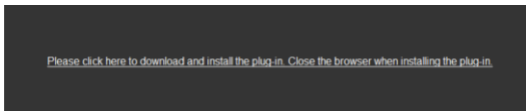


Figure 4-2 Download Plug-in

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

Note:

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