Network Camera

Quick Operation Manual

V1.0.0

This manual describes the basic operating instructions of the network camera, please refer to the product manual for more detailed contents

132ZN235SC00

Thank you very much for purchasing our products, if you have any questions or needs please feel free to contact us.

This manual may contain technical inaccuracies, incompatibilities with the functions and operation of the product, or typographical errors. We will update the contents of this manual as product features are enhanced and will periodically improve or update the products or procedures described in this manual. Updates will be included in new versions of this manual without notice.

The contents of this manual are for the user's reference and guidance only, and are not guaranteed to be exactly the same as the real thing.

The parts, components and accessories mentioned in this manual are for illustrative purposes only and do not represent the configuration of the purchased model.

⚠ Cautions

The purpose of this content is to ensure that the user uses this product properly to avoid danger or property damage. Before using this product, please read this instruction manual carefully and keep it in a safe place for future reference. The precautions are divided into two sections, "Warning" and "Caution", as shown in the figure below:

The precautions are divided into two parts, "Warning" and "Caution", as follows:

⚠ Warning: Matters alerting the user to the potential danger of death or serious injury.

⚠ Note: Matters to warn users against potential danger of injury or property damage.

⚡ Warning:

· Please use a power supply that meets the SELV (Safety Extra Low Voltage) requirements and is supplied with a rated voltage of 12V DC or 24V AC (depending on the specific model) in accordance with IEC60950-1 for Limited Power Source (Limited Power Source).

· If the device is not working properly, contact the store where you purchased the device or the nearest service center and do not disassemble or modify the device in any way (you are responsible for any problems caused by unauthorized modifications or repairs).

· To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.

· This installation should be carried out by professional service personnel and in accordance with local regulations.

· Easy-to-use disconnection devices should be incorporated into the building installation line.

· Instructions for mounting the device on the ceiling: After installation, make sure that the connection can withstand a minimum of 50 Newton (N) downward pulling force.

⚠ Caution

· Before leaving the camera running, check that the power supply is correct.

· Do not drop this product to the ground or subject it to strong knocks.

· Please do not touch the image sensor optics directly, if necessary to clean, please use a clean cloth slightly moistened with alcohol, gently wipe off the dust; when the camera is not in use, please add the dust cover to protect the image sensor.

· Avoid focusing on strong light (such as lighting, sunlight, etc.), otherwise it is easy to cause over-brightening or pulling light phenomenon (which is not a camera failure), will also affect the image sensor life.

· The laser beam may burn the image sensor. In the case that the laser unit is used, please make sure that you do not expose the surface of the image sensor to the laser beam.

· Avoid placing in humid, dusty, extremely hot, extremely cold (normal working temperature:

· -10℃～+60℃), strong electromagnetic radiation and other places.

· Avoid heat accumulation and keep the ventilation around the equipment smooth.

· Do not let water and any liquid flow into the camera when using.

· When shipping equipment, repack it in the same packaging as it was shipped from the factory, or pack it in material of equivalent quality.

· Periodic parts replacement: Some parts used in this product (such as electrolytic capacitors) need to be replaced periodically according to their average life span. The life span of the parts varies with the environment or conditions in which the product is used and the time of use, so we recommend that you check them periodically. For details, please contact the dealer from whom you purchased the product.

Contents

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1 Product Description

1.1 Product Features

The network camera is an embedded digital surveillance product that integrates traditional analog camera and network video server. Adopting embedded operating system and high performance hardware processing platform, high efficiency of system scheduling, code curing in Flash, small size, high stability and reliability, its main features are as follows:

· Adopting advanced video compression technology, it supports intelligent coding H264+ and H265+ to achieve flexible coding.

· Support triple code stream technology, support direct cell phone monitoring, support private network penetration.

· Support intelligent alarm: SMD, Face Detection, Perimeter Protection, Object Detection and other intelligent functions.

· Support real-time video browsing through client software or IE browser, setting parameters, viewing network camera status, and can realize alarm linkage and storage function through the network.

· Support Mic and speaker function.

· Support POE power supply mode.

· Supports TCP/IP, UDP, HTTP, DHCP, RTP/RTSP, DNS, DDNS, FTP, NTP, PPOE, UPNP, SMTP and other protocols.

· With lightning protection function, support IP67 & IK10 design.

· Support network remote upgrade for remote maintenance.·

1.2 Exterior Interface

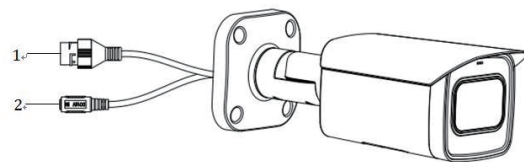This series of network cameras use a simple tail cable, the body and interface as follows tips:

Figure 1-1 Schematic diagram of the appearance of the camera
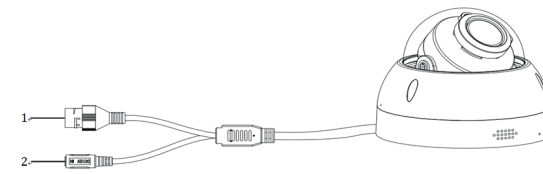

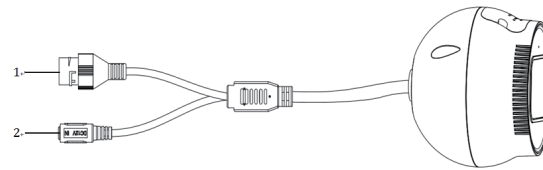
Figure 1-2 Schematic diagram of the appearance of the camera

Figure 1-3 Schematic diagram of the appearance of the camera

Serial number	Name	Function Description
1	10M/100M adaptive Ethernet port	Ethernet connection, POE optional
2	Power connector	Connected to DC12V power supply

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2 Installation

Please make sure that the equipment inside the box is intact and that all the parts are available before installation.

This series of gun-type cameras can generally be wall-mounted and ceiling-mounted installation, wall-mounted installation can use wall-mounted bracket, ceiling-mounted installation can use hanging bracket. This section introduces the installation steps with wall mounting as an example, and the steps for ceiling mounting can be referred to wall mounting.

2.1 Bullet Camera installation

⚠ Caution

The installation wall should have a certain thickness and be able to withstand at least 4 times the weight of the camera.

1. Install TF card (optional): This series of cameras support TF card storage, unscrew the white cover at the bottom of the device and put the TF card.

Install it into the card slot. If you need to remove the TF card, lightly press the TF card to eject it, as shown in Figure 2-1.
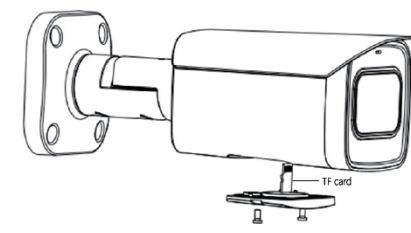
Figure 2-1 Installing TF card

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2. Installation sticker: Take out the installation sticker that comes with it, and after the installation sticker is pasted to the installation wall, drill holes according to the holes identified on the installation sticker.

3. Fixed camera: This series of cameras use the bracket integrated structure, with four screws to fix the camera base in the location where it needs to be installed, as shown in Figure 2-2.
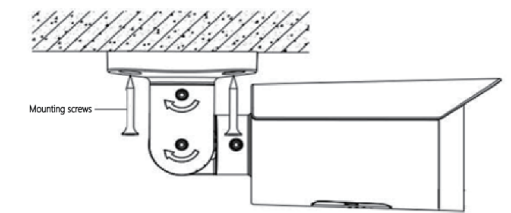
Figure 2-2 Fixed camera

4. Adjust the view: this series of cameras support three-axis adjustment. Loosen the three-axis adjustment screw can be adjusted horizontally, vertically and rotation in three directions. Adjust the camera to the required monitoring orientation through the three-axis adjustment, and then tighten the bracket screws. As shown in Figure 2-3. Can be propagated 180 degrees around the A axis, can be rotated 360 degrees around the B axis, can be rotated 360 degrees around the C axis
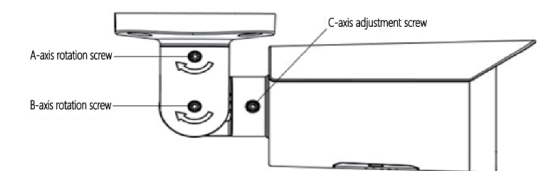
Figure 2-3 Adjusting the perspective

2.2 Dome Camera installation

⚠️ **Caution**

The installation wall should have a certain thickness and be able to withstand at least 4 times the total weight of the camera and installation accessories. Do not tear off the protective film of the hemispherical transparent cover during the installation process. It is necessary to ensure that there is no reflective surface in the installation environment and the inner wall of the transparent cover is clean, so as not to cause infrared reflection or dirty transparent cover to affect the image effect. After the installation is complete, the protective film can be removed Down.

1. Install TF card: Insert the TF card into the TF card slot and install the TF card, as shown in Figure 2-4

2. Take out the front cover: unscrew the screws fixing the front cover of the camera, and disassemble the front cover, as shown in Figure 2-5.
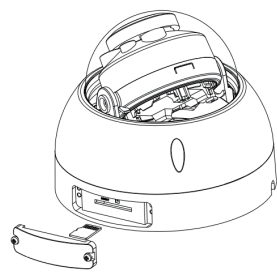
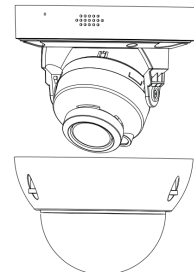Figure 2-4 Installing a TF card   Figure 2-5 Take out the front cover

3. Direct ceiling installation: Align the installation base directly with the holes, and fix the camera base at the position to be installed with three PA3.5*25 screws. As shown in Figure 2-6:

Figure 2-6 Ceiling installation   Figure 2-7 Adjusting the viewing angle

4. Angle of view adjustment: This series of cameras supports three-axis adjustment of the lens. The horizontal direction can be rotated 0-360°, the vertical direction can be rotated 0-80°, and the rotation direction can be rotated 0-360°. The adjustment method is shown in Figure 2-7.

5. Complete the installation: reinstall the front cover, tighten the fixing screws on the front cover and install it, and finally tear off the protective film of the transparent cover to complete the installation, as shown in Figure 2-8.

Figure 2-8 Complete the installation

2.3 Eyeball camera installation

⚠️ **Note**

The installation wall should have a certain thickness and be able to bear at least 3 times the weight of the camera.

1. Separate the fixed cover and the base: first loosen the fixing screws, and take out the fixed cover, sphere and base in sequence, as shown in Figure 2-1.

Figure 2-9 Separate the fixed cover and the base

2. Fix the base and the whole part: After connecting the camera line, align the base with the installation hole, and fix the camera base and the whole part at the position to be installed with three PA3.5*25 screws,

Figure 2-9 Fixing the base Figure 2-10 Fixing the whole

⚠️ **Note**

According to actual construction requirements, users can pass the power cord and network interface cable through the side outlet hole on the base and fix them on the ceiling, so as to avoid opening holes on the ceiling to place related wiring and simplify the installation process.

3. Adjust the lens angle: This series of network cameras supports the function of horizontal and vertical adjustment, loosen the set screw (note: for the convenience of installation, do not screw out the screw completely), compare the video image on the monitor, by rotating the sphere To adjust the horizontal (0-360 degrees) and vertical (0-80 degrees) direction of the camera, after adjusting the screen to the scene to be monitored, tighten the set screw to fix the camera sphere, as shown in Figure 2-11, 2 -12 shown

Figure 2-9 Fixing the base Figure 2-10 Fixing the whole

3 Quick Operation

3.1 Network connection

First confirm that the network camera is correctly connected to the network, at the same time please check the local network status of the PC, if the network status icon

shows " 🖥️ ", it means the network connection error. The initial default IP address of the network camera is 192.168.1.86. Set the IP address, subnet mask and gateway to the computer host. Please make sure the IP address is set correctly, and use the ping tool to check if the IP camera is correctly connected to the network.

3.2 Quick Access

After the network camera is correctly connected to the network, it can support multiple browser access methods, such as Internet Explorer, Firefox browser, etc. The operation steps to access the preview webcam through IE browser are as follows:

1. Open Internet Explorer, in [Tools/Internet Options/Security/Custom Level...], select "Enable" or "Prompt" for all plug-ins in "ActiveX Controls and Plug-ins", and lower the security level. "Prompt" and lower the security level setting.

2. Enter the IP address of the IP camera in the address bar, and then click Enter, the browser login screen will appear. In the login screen, enter the "Username" (default: admin) and "Password" (default: 123456) of the network camera and click [Login].
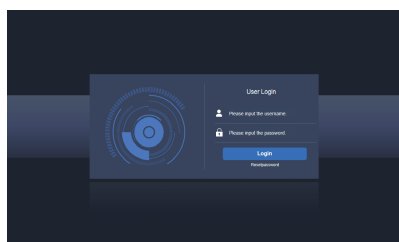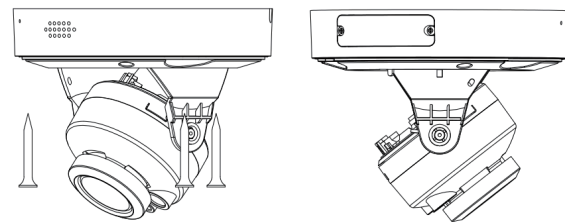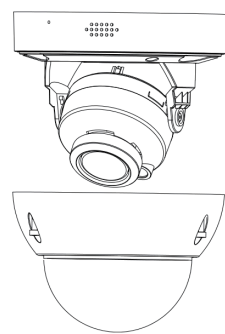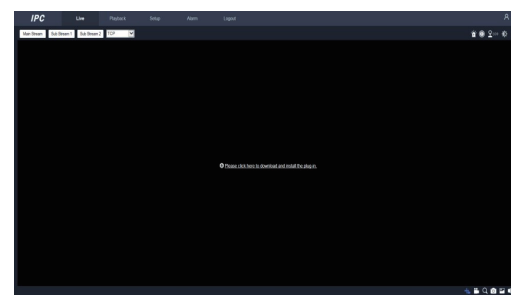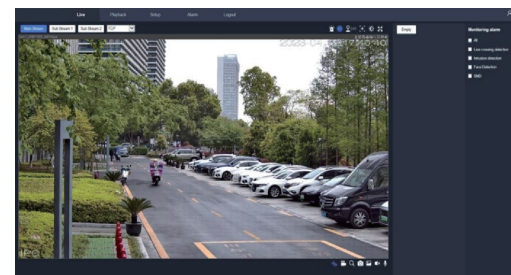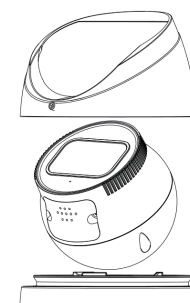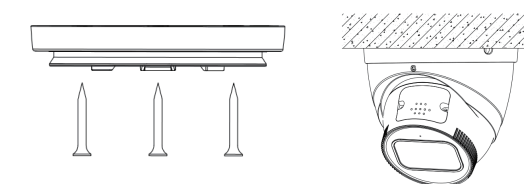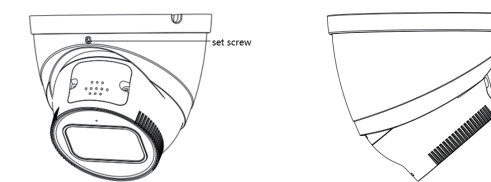
Figure 3- 2 Login

3. After entering the login screen, a prompt link of "Please click here to download the plug-in" will appear, click to install the plug-in version, and then restart your browser to log in after installation.

4. Browse the interface

⚠️ **Caution**

The installation wall should have a certain thickness and be able to withstand at least 4 times the weight of the camera.