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SUNELL SN-IPV8140EEBR-Z Vandal Dome Network Camera User Guide

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Product Information: Vandal Dome Network Camera

The Vandal Dome Network Camera is a surveillance camera that provides high-quality video footage for security purposes. It is designed to be vandal-resistant and can be used both indoors and outdoors. The camera has a durable and sturdy construction that makes it suitable for use in harsh environments.

The camera features a high-quality image sensor that captures clear and detailed video footage. It is also equipped with advanced features such as motion detection, night vision, and remote access,which allow users to monitor their property from anywhere, at any time.

The Vandal Dome Network Camera is easy to install and comes with a quick setup guide that provides step-by-step instructions. The camera can be connected to a network using Ethernet or Wi-Fi, and users can access the camera's footage using a web browser or an app on their smartphone or tablet.

Product Usage Instructions

Before using the Vandal Dome Network Camera, it is important to read and fully understand the instructions provided in the user manual. Failure to observe the precautions and guidelines outlined in the manual may result in damage to the camera or injury to the user.

To use the Vandal Dome Network Camera, follow these steps:

1. Select a suitable location for the camera. The camera should be installed in a location that provides a clear view of the area to be monitored.
2. Connect the camera to a power source using the provided power adapter.
3. Connect the camera to a network using Ethernet or Wi-Fi.
4. Access the camera's settings using a web browser or an app on your smartphone or tablet.
5. Configure the camera's settings, including motion detection, night vision, and remote access.
6. Mount the camera securely in the chosen location, ensuring that it is protected from vandalism and weather conditions.
7. Regularly clean the camera with a soft dry cloth to remove dirt and debris.
8. If the camera is idle for a long time, remove the power plug to save energy.

It is important to observe the precautions outlined in the user manual when using and maintaining the Vandal Dome Network Camera. These precautions include protecting the camera from falls, moisture, heat sources, and

magnetic field interference, as well as avoiding heavy loads, soaking, and shaking during transportation and storage. By following these guidelines, users can ensure that their Vandal Dome Network Camera provides reliable and high-quality surveillance for their property.

Precautions

Fully understand this document before using this device, and strictly observe rules in this document when using this device. If you install this device in public places, provide the tip "You have entered the area of electronic surveillance" in an eye-catching place. Failure to correctly use electrical products may cause fire and severe injuries.

⚠️ WARNING	It alerts you to moderate dangers which, if not avoided, may cause minor or moderate injuries.
⚠️ CAUTION	It alerts you to risks. Neglect of these risks may cause device damage, data loss, device performance deterioration, or unpredictable results.
📖 NOTE	It provides additional information.

WARNING

- Strictly observe installation requirements when installing the device. The manufacturer shall not be held responsible for device damage caused by users' non-conformance to these requirements.
- Strictly conform to local electrical safety standards and use power adapters that are marked with the LPS standard when installing and using this device. Otherwise, this device may be damaged.
- Use accessories delivered with this device. The voltage must meet input voltage requirements for this device.
- If this device is installed in places with unsteady voltage, ground this device to discharge high energy such as electrical surges in order to prevent the power supply from burning out.
- When this device is in use, ensure that no water or any liquid flows into the device. If water or liquid unexpectedly flows into the device, immediately power off the device and disconnect all cables (such as power cables and network cables) from this device.
- Do not focus strong light (such as lighted bulbs or sunlight) on this device. Otherwise, the service life of the image sensor may be shortened.
- If this device is installed in places where thunder and lightning frequently occur, ground the device nearby to discharge high energy such as thunder strikes in order to prevent device damage.

CAUTION

- Avoid heavy loads, intensive shakes, and soaking to prevent damages during transportation and storage. The warranty does not cover any device damage that is caused during secondary packaging and transportation after the original packaging is taken apart.
- Protect this device from fall-down and intensive strikes, keep the device away from magnetic field interference, and do not install the device in places with shaking surfaces or under shocks.
- Clean the device with a soft dry cloth. For stubborn dirt, dip the cloth into slight neutral cleanser, gently wipe the dirt with the cloth, and then dry the device.

- Do not jam the ventilation opening. Follow the installation instructions provided in this document when installing the device.
- Keep the device away from heat sources such as radiators, electric heaters, or other heat equipment.
- Keep the device away from moist, dusty, extremely hot or cold places, or places with strong electric radiation.
- If the device is installed outdoors, take insect- and moisture-proof measures to avoid circuit board corrosion that can affect monitoring.
- Remove the power plug if the device is idle for a long time.

Special Announcement

- All complete products sold by the manufacturer are delivered along with nameplates, quick setup guide and accessories after strict inspection. The manufacturer shall not be held responsible for counterfeit products.
- The manufacturer will update this manual according to product function enhancement or changes and regularly update the software and hardware described in this manual. Update information will be added to new versions of this manual without prior notice.
- This manual may contain misprints, technology information that is not accurate enough, or product function and operation description that is slightly inconsistent with the actual product, the final interpretation of company is as a standard.
- This manual is only for reference and does not ensure that the information is totally consistent with the actual product. For consistency, see the actual product.

NOTE
For more information, please refer to website.

Open Package Examination

Open the package, check the appearance of product for no obvious damage, and confirm the item list for table 1-1 is consistent.
Packing list

Component	Quantity	Remark
Vandal Dome Network Camera	1	
Quick Setup Guide	1	
T15 Screw driver	1	Large Dome
T10 Screw driver	1	Mini Dome
Installation location sticker	1	
Stainless self-tapping screw	3	
Plastic anchor	3	
Network access port protective cover	1	
Waterproof rubber seal	1	
Terminal block	1	Optional
Phillips stainless screw (install on bracket)	3	

Device Structure

Device Ports
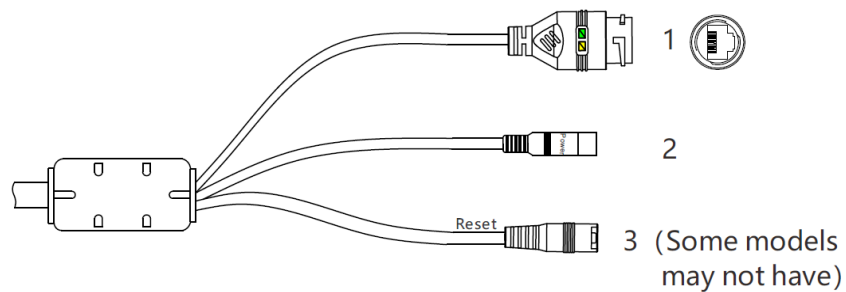
NOTE
Len adjustment is only applied for large dome.
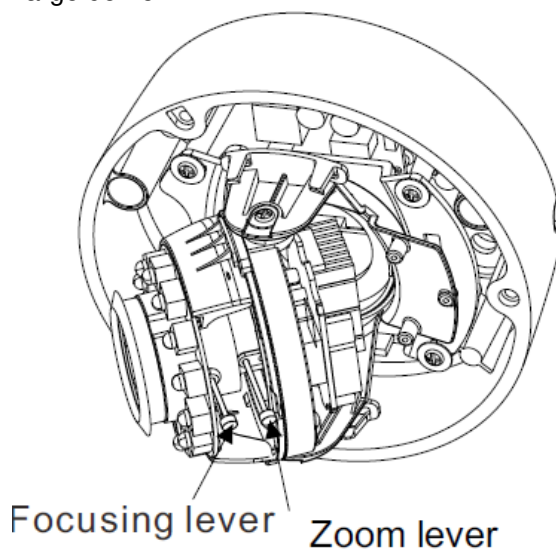
Lens adjustment description

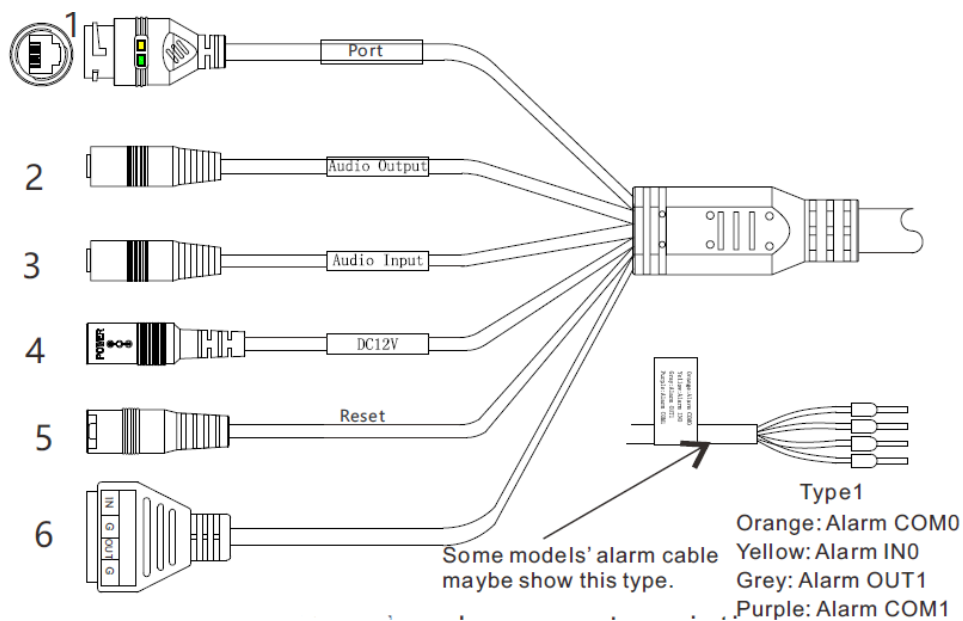| Port Name	Description
Focusing lever	Adjust the focus of lens, the default status is lock.
Zoom lever	Adjust the lens focal length, the default status is lock.

NOTE
Different devices may have different multi-heads; Please refer to the actual product.

Multi-head cable description

| ID	Core	Description	Remark
1	Network access port	Connects to a standard Ethernet cable or PoE . The green light is on, the network connection is normal; the yellow light flashes when the data is transmitted. Some models maybe not have the lights; Please refer to the actual product.	Support PoE supply.
2	Power supply (DC 12V)	Connects to a 12V direct current (DC) power supply.	
3	Reset button	Long press the button for 5 seconds to restore the original settings.	

Type1
Orange: Alarm COM0
Some models' alarm cable   Yellow: Alarm IN0
maybe show this type.   Grey: Alarm OUT1
Purple: Alarm COM1

Multi-head cable 2 description

| ID	Core	Description	Remark
1	Network access port	Connects to a standard Ethernet cable or PoE . The green light is on, the network connection is normal; the yellow light flashes when the data is transmitted. Some models maybe not have the lights; Please refer to the actual product.	Support PoE supply.
2	Audio output	Connects to an external audio device such as a speaker.	Applied for camera with audio function
3	Audio input port	Receives an analog audio signal from devices such as a sound pickup device.	
4	Reset button	Long press the reset button for 5 seconds to restore the original settings.	
5	Power supply (DC 12V)	Connects to a 12V direct current (DC) power supply.	
6	G	Alarm output COM	Applied for alarm function
	OUT	Alarm output terminal	
	G	Alarm input COM	
	IN	Alarm input terminal	

Camera Dimensions

NOTE
Different devices may have different dimensions; Please refer to the actual product.
Dimensions of Mimi Dome Unit :mm
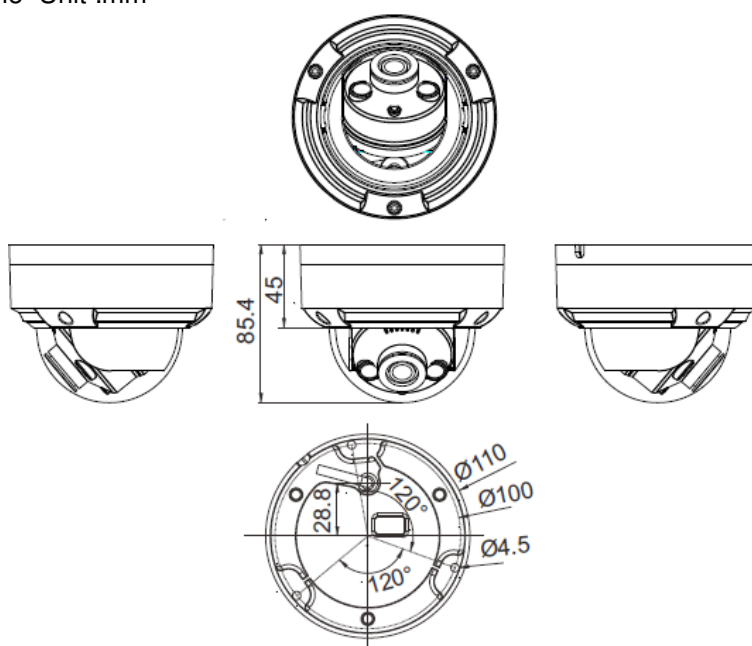
Dimensions of Large Dome(Unit :mm

Φ 130
Φ 123.18
40
19.3
112.24

137.0°
100.0°
123.0°
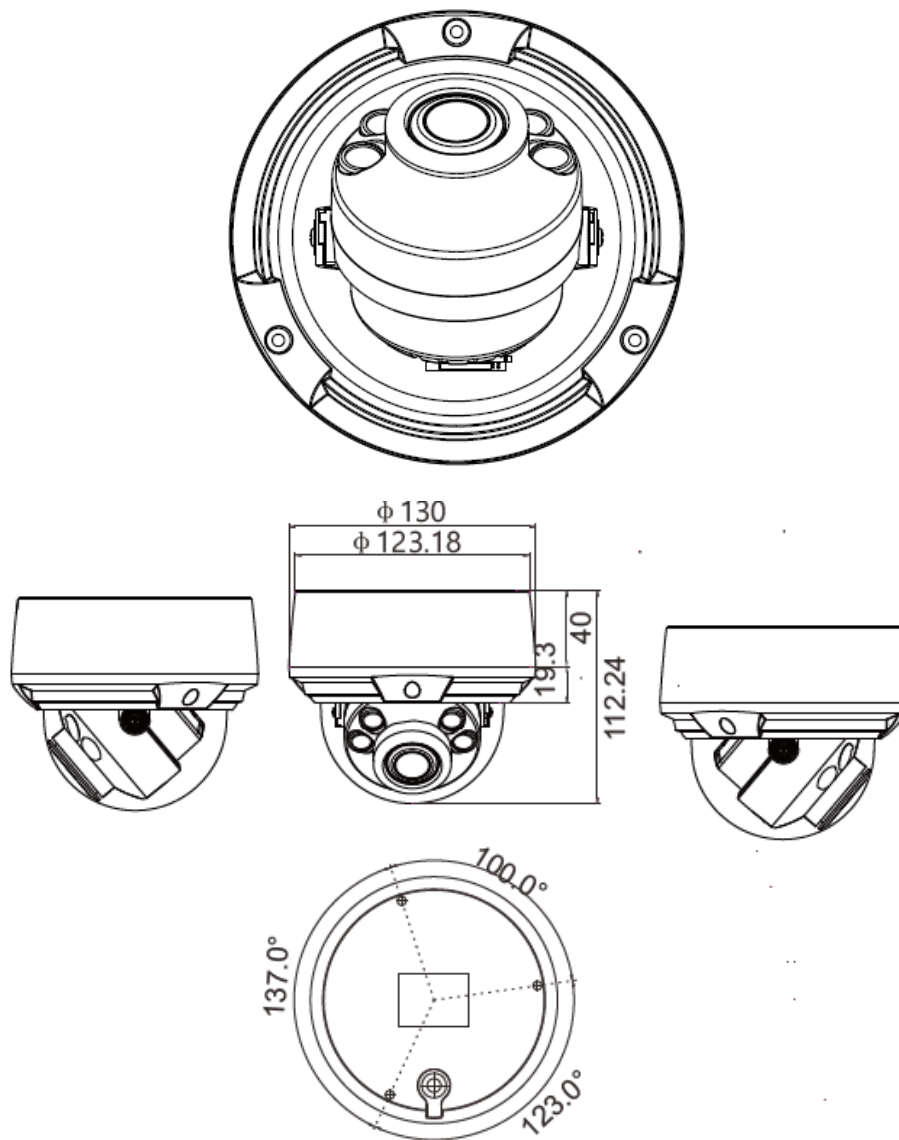
Device Installation

WARNING

To avoid moisture influence, install the dome cover at least half an hour after the camera is installed and powered on.

The vandal dome camera can be installed in the ceiling , wall , wall bracket or ceiling bracket. This section describes how to install the camera in the ceiling.
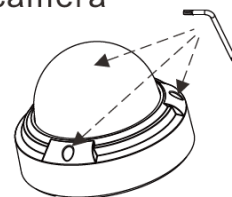
Installation Steps:

- **Step 1:** Use the T screw driver in the accessory package to unscrew the three screws on the dome cover. The camera is opened, as shown .
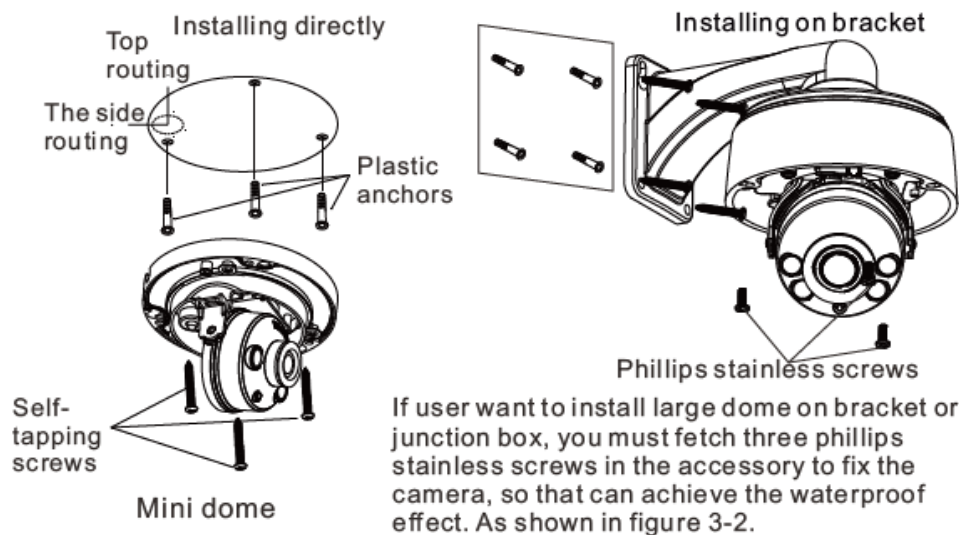
Figure 3-1 Opening camera
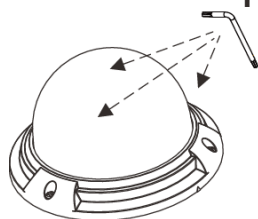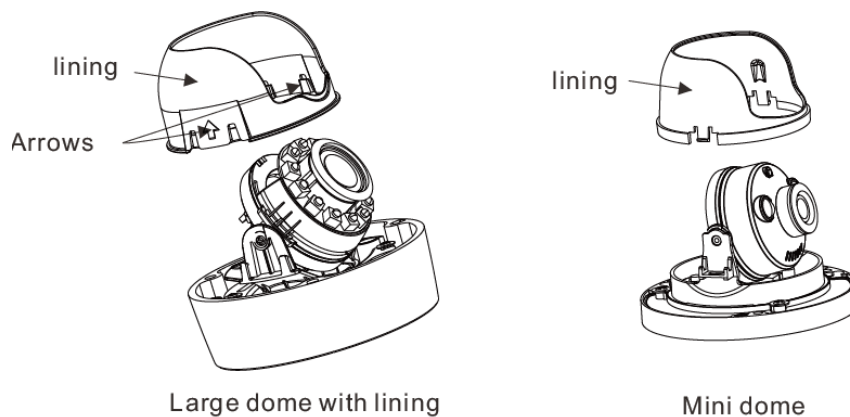

Large Dome

Mini Dome

- **Step 2:** Stick the Installation location sticker on the ceiling or wall.

  Drill three holes based on the marks on the sticker. Drive the plastic anchors into the holes.

- **Step 3:** Fetch three black self-tapping screws from the accessory package. Then fix the screws to fasten the camera on the ceiling as shown .
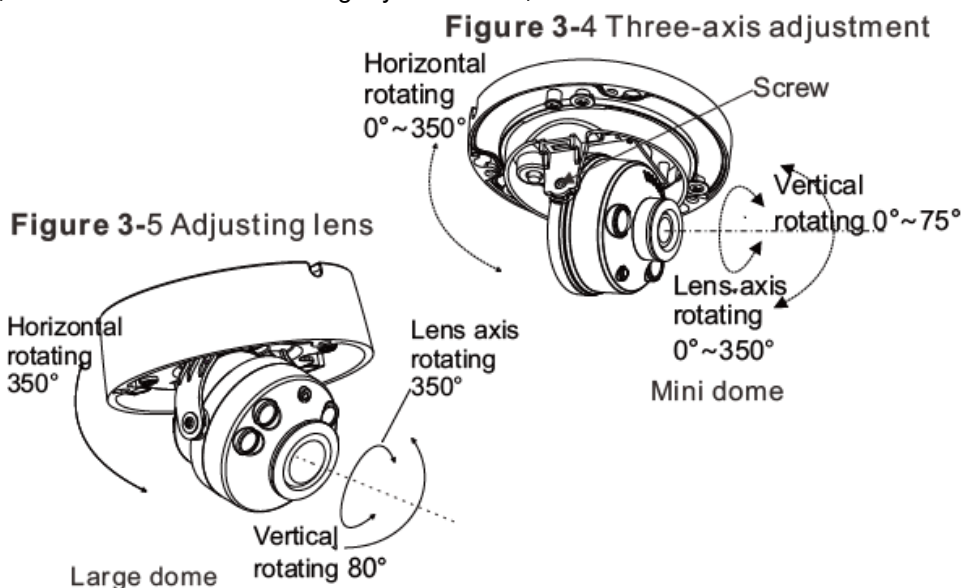

Installing directly

Top routing

The side routing

Plastic anchors

Self-tapping screws

Mini dome

Installing on bracket

Phillips stainless screws

If user want to install large dome on bracket or junction box, you must fetch three phillips stainless screws in the accessory to fix the camera, so that can achieve the waterproof effect. As shown in figure 3-2.

- **Step 4:** Connect the network access port and power supply of the multi-head cable.
- **Step 5:** Adjust the lens focal length and video angle range.

1. Press the arrows marked on the lining to remove the lining aside, as shown .

lining

Arrows

Large dome with lining

lining

Mini dome

2. View the video, loosen the slotted screw slightly as shown ,

Figure 3-4 Three-axis adjustment

Horizontal rotating 0°~350°

Screw

Vertical rotating 0°~75°

Lens axis rotating 0°~350°

Mini dome

Figure 3-5 Adjusting lens

Horizontal rotating 350°

Lens axis rotating 350°

Vertical rotating 80°

Large dome

make camera's triaxial adjustments, adjust the screen to the scene you want to monitor, and then tighten the screws. Three-axis adjustment direction and angle are shown in figure 3-4 and figure 3-5.

- **Step 6:** Loosen the focus lever, and gently move the zoom lever to adjust the lens focal length to the desired position. Move the focus lever slightly to focus the lens clearly. Tighten the focus lever after completing the

focusing operation, as shown in figure 3-4(This step is only applied for large dome).

NOTE

- Some models maybe not operate so much steps; Please refer to the actual product.
- While focusing lever is in the process of focusing, an image might be blur, move the zoom lever to fine-tune the image, when image is clear, lock the zoom lever.
- If the lens of camera is auto focus lens, set the focus value in Sensor > Lens control page in the web page.
- **Step 7:** Assemble the lining with the main body and buckle the four button placements with the main body bracket. Aim the two screws hole with boss at the groove on the main body. Then fasten the dome cover , as shown .
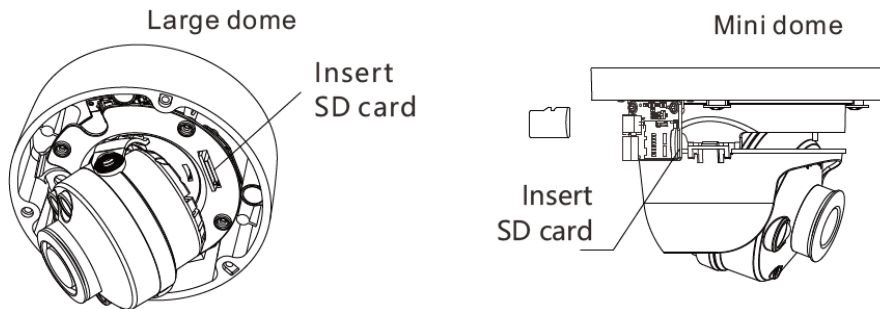
Assembling lining and cover
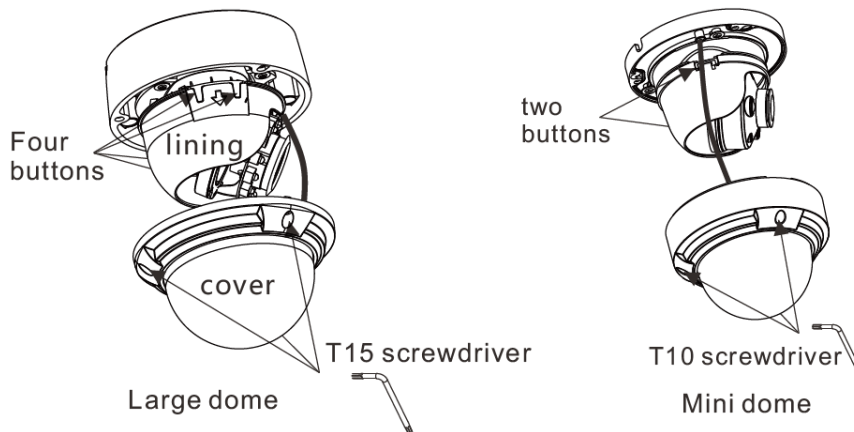
Quick Configuration(e.g IE)

Login

- **Step 1:** Open the Internet Explorer, enter the IP address of IP camera (default value: 192.168.0.120) in the address box, and press Enter. The login page is displayed as shown .

- **Step 2:** Input the user name and password.

NOTE

- The default user name is admin. The default password is admin. Change the password when user logs into the system for first time to ensure system security.
- It is advised to restart the device three minutes later after modifying password to ensure modified successfully.
- You can change the system display language on the login page.
- **Step3:** Click Login, the main page is displayed.

Modify IP address

Choose Configuration > Device > Local Network, the Local Network page is displayed.
Enter the IP address in the IP Address box and click Apply as shown .

After the IP address is set successfully, please use the new IP address to log in the Web interface.

Browsing Video

To ensure the real-time video can be played properly, you must perform the following operation when you log in the web for the first time:

- **Step 1:** the Internet Explorer. Choose Tools > Internet options > Security > Trusted sites > Sites, in the display dialog box, click Add, as shown .
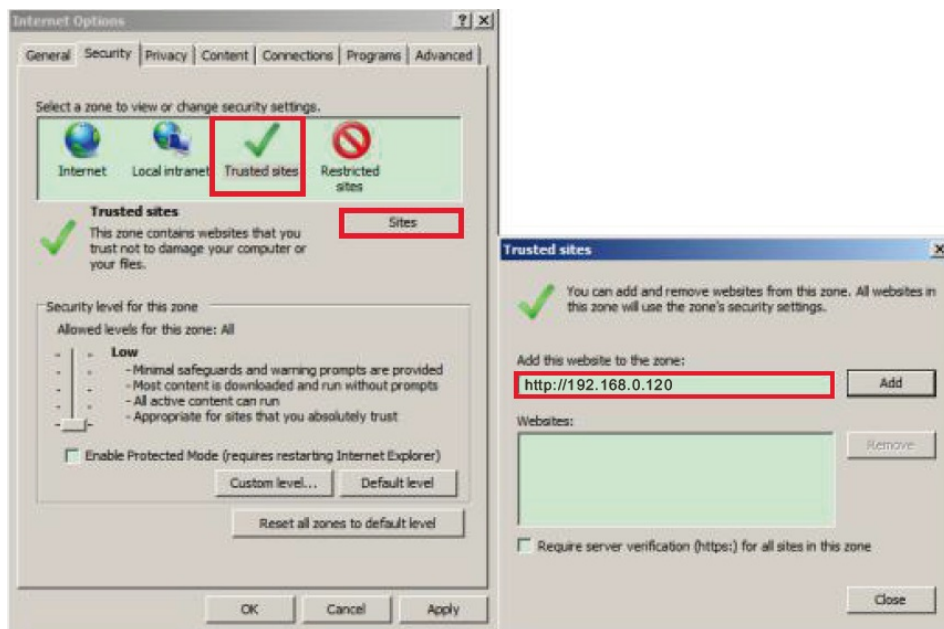
- **Step 2:** In the Internet Explorer, choose Tool > Internet Options > Security > Customer level, and set Download unsigned ActiveX control and initialize and script ActiveX controls not marked as safe for scripting under ActiveX controls and plug-ins to Enable, as shown .
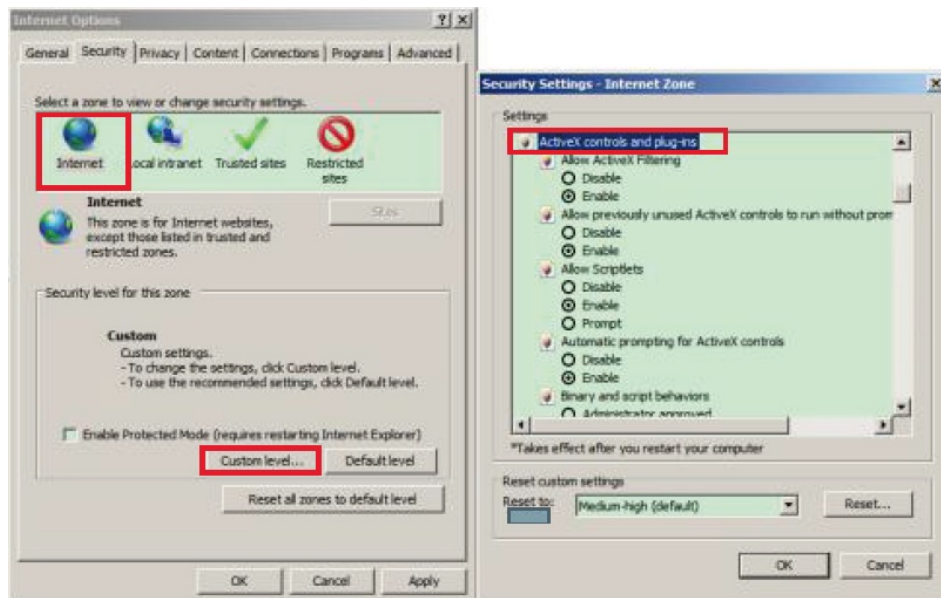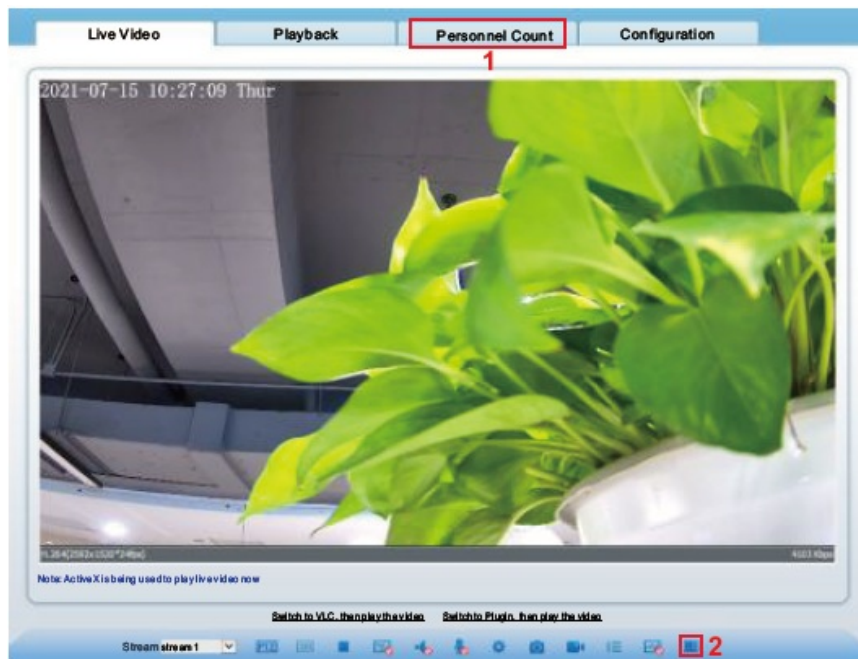

- **Step 3:** Download and install the player control as prompted.

NOTE

If the repair tips displayed when installing the control , please ignore the prompt, and continue the installation, the login page is displayed when the control is loaded.

To browse a real-time video, click Live Video. The Live Video page is displayed, as shown

1. Personnel Count: User can query the data of personnel count, through year, month, day. The statistics can be downloaded. The data can be shown by line chart, histogram, list.
2. AI Live video: Click the icon to view the snapshots of human face or license plate (click "Face" or "Plate" to switch).

The bottom page will show the captured images of vehicle and human face.

Intelligent Analysis

At "Configuration > Intelligent Analysis" interface, user can set the parameters of Perimeter, Single Virtual Fence, Double Virtual Fence, Multi Loiter, Converse and Personnel Count, as shown .
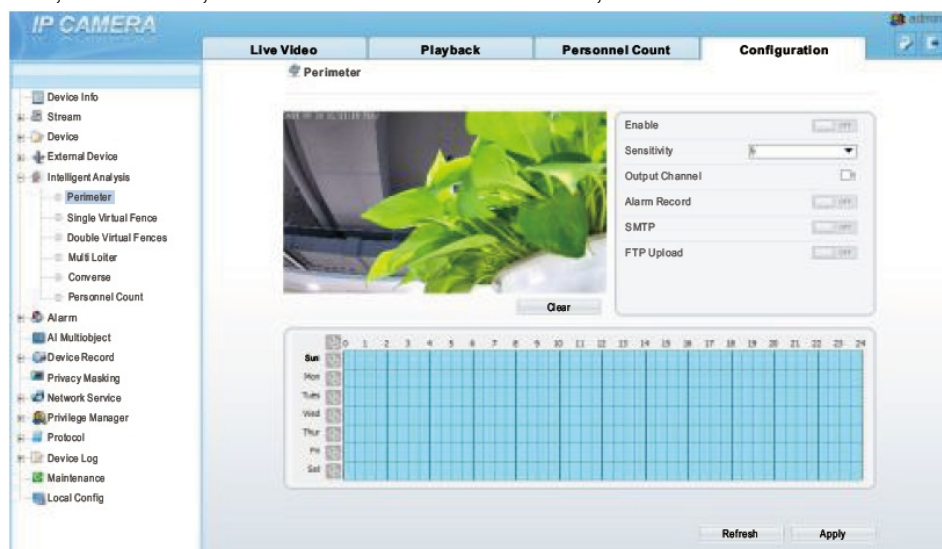
AI Multi object

At "Configuration > AI Multi object" interface, user can enable face detection, full body detection, vehicle detection, set the other parameters of detection.

Documents / Resources

SUNELL SN-IPV8140EEBR-Z Vandal Dome Network Camera [pdf] User Guide
SN-IPV8140EEBR-Z, Vandal Dome Network Camera, SN-IPV8140EEBR-Z Vandal Dome Network Camera, Dome Network Camera, Network Camera, Camera

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