Active Deterrence Eyeball Network Camera Quick Setup Guide

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.
- Before unpacking, check whether the fragile sticker is damaged. If the fragile sticker is damaged, contact customer services or sales personnel. The manufacturer shall not be held responsible for any artificial damage of the fragile sticker.

Special Announcement

1 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.

Table 1-1 Packing list

Component	Quantity	Remark
Eyeball Network Camera	1	
Quick Setup Guide	1	
Accessory package	1	
Location sticker	1	

2 Device Structure

2.1 Device Ports

📖 NOTE

Different devices may have different ports, multi-head cables, and fill lights; Please refer to the actual product.
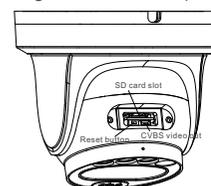
Figure 2-1 Hardware ports

Table 2-1 Hardware ports description

ID	Port Name	Description
1	SD card slot	Install a SD card. 📖 NOTE • Before installing a SD card, make sure the card not in write protection state. • Before removing the SD card. make sure the card not in write protection state. Otherwise, the data may be lost ,or the SD card may be damaged.
2	CVBS video out	Output an analog video signal. You can connect the camera to a TV monitor through this port to view the analog video.
3	Reset button	Long press the reset button for 5s to restore the original settings.

Fill light settings

Camera's fill light has four modes, they are intelligent dual light (current fill light will switch to warm light after an alarm is triggered, and will switch back to the original fill light for 30s after the alert is released.), warm light, infrared lamp and none (Close the fill light and the color of image will stay in previous mode).

The different cameras can be set different fill light modes, please set fill light modes according to the actual scene.

Day mode: It can be used in the scene with sufficient ambient light for 24 hours, do not turn on the fill light, and the image is in color.
Night mode: It can be used in the scene where there is insufficient ambient light for 24 hours, turn on the fill light (it can be selected according to the four modes of the fill light).
Auto mode: Automatically switch the fill light mode according to the luminance of the environment.
Timing mode: Set the start and end time of the day, this time period is day mode for camera.
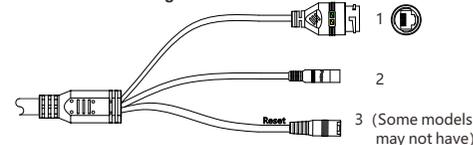
Figure2-2 Multi-head cable 1

3 (Some models may not have)

Table 2-2 Multi-head cable 1 description

ID	Core	Description	Remark
1	Network access interface	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 reset button for 5s to restore the original settings.	

Figure 2-3 Multi-head cable 2

Table 2-3 Multi-head cable 2 description

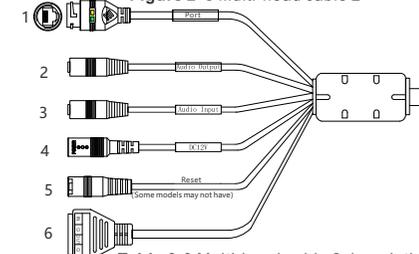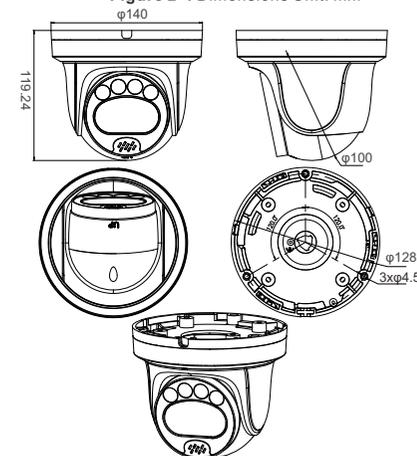| ID	Core	Description	Remark
1	Network access interface	Connect to a standard Ethernet cable or PoE. The green light is on, the network connection is normal; The yellow light flashes when the data is transmitted. Some models maybe not have the lights; Please refer to the actual product.	Support PoE supply.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

2.2 Camera Dimensions

📖 NOTE

Different devices may have different dimensions; Please refer to the actual product.
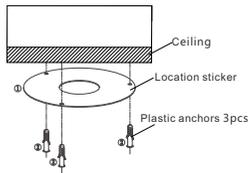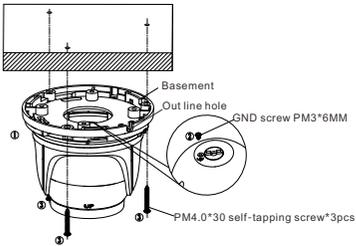
Figure 2-4 Dimensions Unit: mm

Installation Steps:

Step 1 Open the package, take out the camera, and disassemble camera's base.
Step 2 Stick the installation location sticker on the ceiling or wall, drill three holes following the marks on the sticker. Push the plastic anchors into the holes, as shown in figure 3-1.

Figure 3-1 Drill holes

Ceiling
Location sticker
Plastic anchors 3pcs

Step 3 Fix the camera mounting base to the ceiling (or wall) by using self-tapping screws.
Step 4 Connected the multi-connector cable. If user want the device be connect to GND , plug ground wire to the GND screw and tighten it, the location of GND as show in figure.
Step 5 Fix the eyeball to base, as shown in figure 3-2.

Figure 3-2 Camera installation

Basement
Out line hole
GND screw PM3*6MM
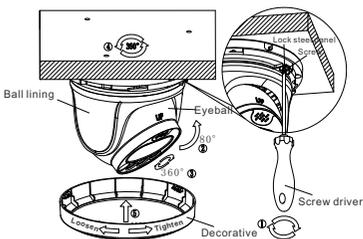PM4.0*30 self-tapping screw*3pcs

📖 NOTE

You can route cables from the top or from the side. If you use the top routing method, drill a hole in the installation surface first. If you use the side routing method, please cut the compression ring outlet, as shown in figure 3-2, and route the multi-head cable out from the side gap at the bottom of the camera.

Step 6 Rotate the main body, adjust the position so that the camera faces the monitored area, then tighten the lock steel panel with screws and fix the camera, as shown in figure 3-3.

Figure 3-3 camera installation

Lock steel panel
Screw
Ball lining
Eyeball
80°
360°
Loosen / Tighten
Screw driver
Decorative cover

📖 NOTE

The camera's monitoring angle can be adjusted by three-axis rotation: Horizontal rotation, up and down rotation, axial rotation of the lens, adjust the direction of the camera and aim the lens at the target.
1 Use a Phillips screwdriver to loosen the screw which locks the steel panel;
2 The hemisphere can rotate up and down range of 0 to 80°;
3 the hemisphere can rotate left and right range of 0 to 360° ;
4 The ball lining can rotate 360° left and right;
5 After adjusting the angle, tighten the screws on the steel panel, then install the decorative cover to the base along the direction as shown in Figure 3-3.

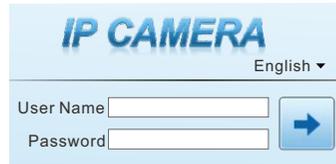### 4.1 Login

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 in figure 4-1.
Step 2 Input the user name and password.

📖 NOTE

• The default user name is admin. The default password is admin. Modify 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.

Figure 4-1 Login

IP CAMERA
English ▾
User Name
Password

Step3 Click Login, the main page is displayed.

4.2 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 in figure 4-2.
After the IP address is set successfully, please use the new IP address to log in the Web interface.

Figure 4-2 Local Network

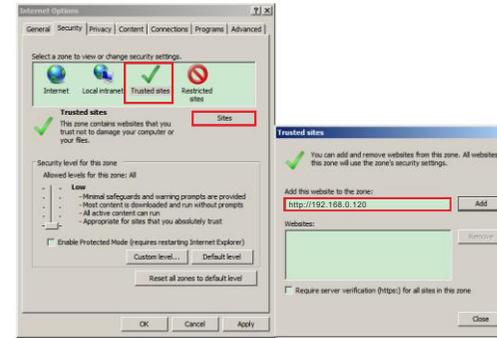| 🖥 Local Network	
Network Card ID	1
IP Protocol	IPv4
DHCP	OFF
IP Address	192.168.0.120
Subnet Mask	255.255.255.0
Default Gateway	192.168.0.1
Preferred DNS Server	192.168.0.1
Alternate DNS Server	192.168.0.2
MTU(1280-1500)	1500

Refresh   Apply

4.3 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:
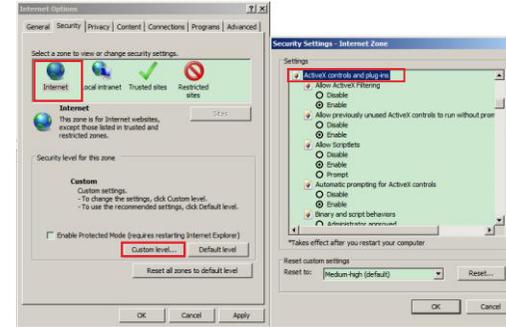If user can access the web immediately, please ignore the steps of adding trusted sites.

Step 1 the Internet Explorer. **Choose Tools** > **Internet options** > **Security** > **Trusted sites** > **Sites**, in the display dialog box, click **Add**, as shown in figure 4-3.

Figure 4-3 Adding a trusted site

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 in figure 4-4.

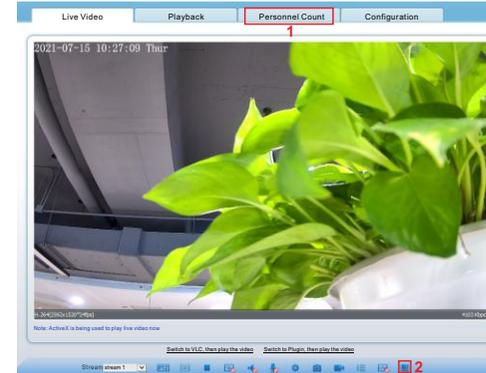**Figure 4-4** Configuring ActiveX control and plug-in

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 in figure 4-5.

Figure 4-5 Live Video

Live Video | Playback | Personnel Count | Configuration
1
2021-07-15 10:27:09 Thur
Note: ActiveX is being used to play live video now
Switch to VLC, then play the video   Switch to Plugin, then play the video
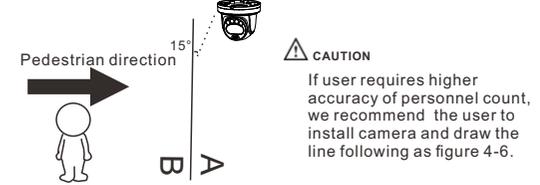Stream stream1
2

📖 NOTE

For better capture performance, it is recommended to use 6mm focus length lens or above.

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 .

Figure 4-6 Installation of personnel count

Pedestrian direction
15°
B A

⚠ CAUTION

If user requires higher accuracy of personnel count, we recommend the user to install camera and draw the line following as figure 4-6.

4.4 Set Intelligent Analysis

At "**Configuration > Intelligent Analysis** " interface to set the parameters of intelligent analysis (Perimeter, Single Virtual, Fence, Double Virtual Fences, Multi Loiter, Converse, Personnel Count), so that the user can receive the alarm of target, as shown in figure 4-6.
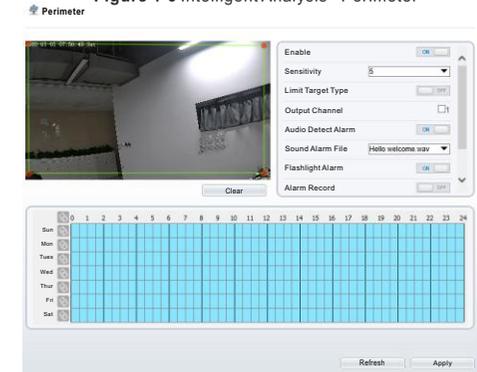
Figure 4-6 Intelligent Analysis - Perimeter

🖥 Perimeter
Enable | On
Sensitivity | 5
Limit Target Type | OFF
Output Channel
Audio Detect Alarm | On
Sound Alarm File | Hello welcome wav
Flashlight Alarm | On
Alarm Record | OFF
Clear
Sun Mon Tues Wed Thur Fri Sat
Refresh   Apply

Table 4-1 Parameters of Intelligent Analysis

Parameter	Description
Enable	Enable the fence, draw the warning area at live video by using mouse. The default status is disable.
Sensitivity	The sensitivity of the retrieval target, choose from 1 to5, 5 means the highest sensitivity, it will detect the target easily.
Limit Target Type	Enable, the type can be chosen, person or car/person/car.
Output Channel	Select to linkage camera's relay output channel for "Intelligent Analysis Alarm".
Audio Detect Alarm	Enable, user can choose the audio file to play if it happens alarm. The audio file can be set at " **Configuration > Alarm > Sound Alarm Output** "interface.
Flashing Alarm	Enable, when the device detect target, it will be flashing.
Alarm Record	Enable, if user set the parameters of email, it will send email to user if it happens Intelligent Analysis alarm.
SMTP	Enable, if user set the parameters of FTP, it will send snapshot to FTP server if it happens Intelligent Analysis alarm.
FTP Upload	Enable, if user set the parameters of FTP, it will send snapshot to FTP server if it happens Intelligent Analysis alarm.
Schedule	Set valid time for all above Intelligent Analysis settings.