Capture advance

Eyeball Network Camera Quick Setup Guide

R2-8MPFXTUR
R2-5MPFXTUR
R2-IP4MPFLCR
R2-IP4MPFLKT

NO:101-400-0260-02
Issue:1.1

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.

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 interfaces, multi-head cables, and fill lights. Please refer to the actual product.
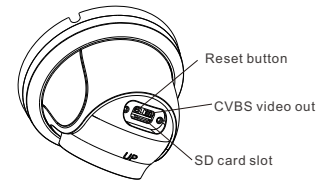
Figure 2-1 Hardware interfaces

Reset button
CVBS video out
SD card slot

Table 2-1 Hardware interfaces description

ID	Port Name	Description
1	SD card slot	Install an SD card. 📖 NOTE • Before installing an SD card, make sure the card is not in write protection state. • Before removing the SD card. make sure the card is 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 interface to view the analog video.
3	Reset button	Long press the reset button for 5 seconds 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 for 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.
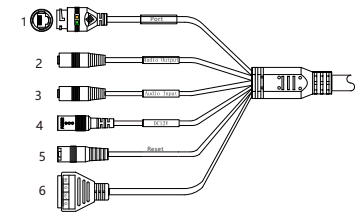
Figure 2-2 Multi-head cable

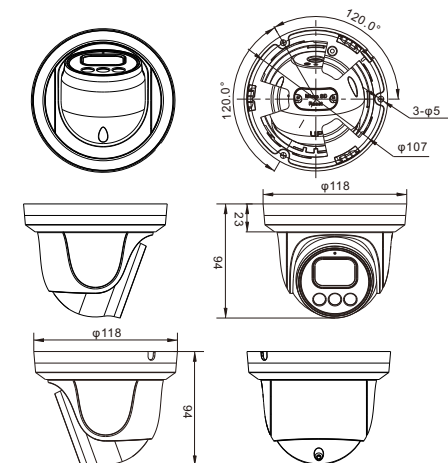**Table 2-2** Multi-head cable description

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 may 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 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	
	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 2-3 Dimensions Unit: mm
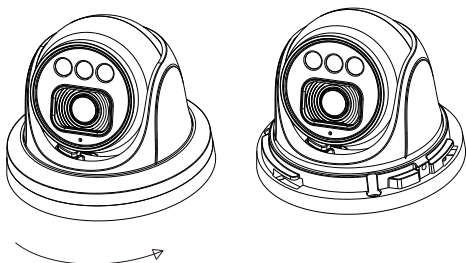

120.0°
120.0°
3-φ5
φ107
φ118
2.3
94
φ118
94

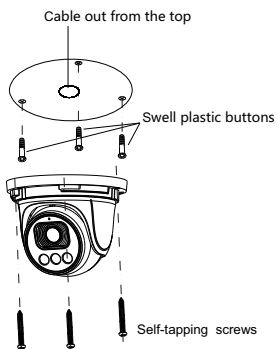# 3 Device Installation

Installation Steps:

Step 1 Open the package, take out the camera, and disassemble camera's decorative cover, as shown in figure 3-1.

Figure 3-1 Disassemble camera

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 he holes, as shown in figure 3-2.

Step 3 Align the camera to plastic anchors, fix it to the ceiling (or wall) by using self-tapping screws.

Figure 3-2 Camera installation

Cable out from the top

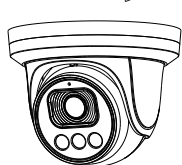Swell plastic buttons

Self-tapping screws

📖 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, as shown in figure 3-2,. If you use the side routing method, please cut the compression ring outlet, and route the multi-head cable out from the side gap at the bottom of the camera.

Step 4 Connected the multi-connector cable, the camera is connected to screen to adjust monitoring perspective, then tighten the decorative cover, as shown in figure 3-3.

Figure 3-3 Finish installation

📖 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 The hemisphere can rotate up and down range of 0 to 80°.
2 The hemisphere can rotate left and right range of 0 to 360° .
3 The ball lining can rotate 360° left and right.
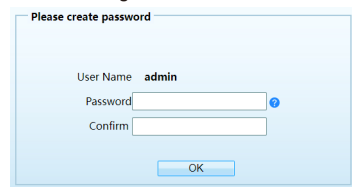
4 Quick Configuration (e.g. IE)

4.1 Login

Open the Internet Explorer, enter the IP address of IP camera (default value: DHCP on) in the address box, and press Enter. The activation page is displayed. as shown in figure 4-1.

📖 NOTE

• Create password when you log in camera for the first time to ensure system security
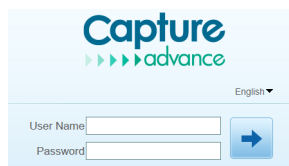
Figure 4-1 Activation

• It is advised to restart the device three minutes later after modifying the password to ensure it was modified successfully
• You can change the system display language on the login page.

Click Login, the main page is displayed.

Figure 4-2 Login

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 4-3.
After the success of the IP address setting, please use the new IP address to log in the Web interface.
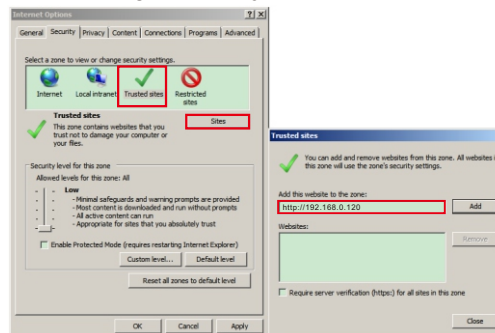
Figure 4-3 Local Network

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 the user can access the web immediately, please ignore the steps of adding trusted sites.
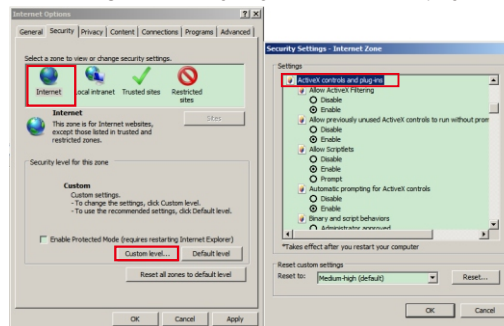
Step 1 the Internet Explorer. **Choose Tools** > **Internet options** > **Security** > **Trusted sites** > **Sites**, in the display dialog box, click **Add**, as shown in figure 4-4

Figure 4-4 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 4-5

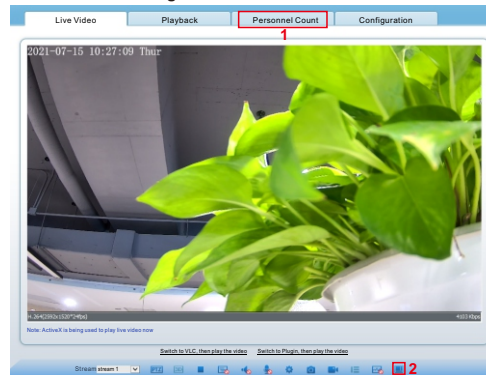**Figure 4-5** Configuring ActiveX control and plug-in

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 4-6.

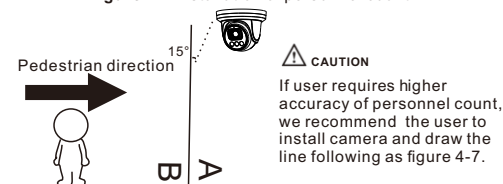**Figure 4-6** Live Video

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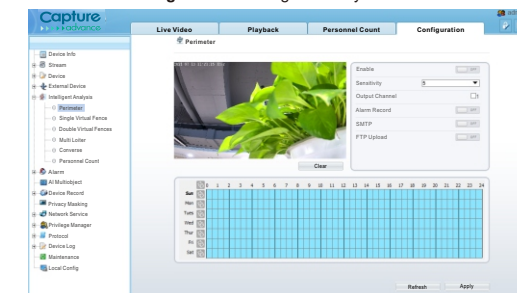The bottom page will show the captured images of vehicle and human face.

Figure 4-7 Installation of personnel count

Pedestrian direction

⚠ CAUTION

If user requires higher accuracy of personnel count, we recommend the user to install camera and draw the line following as figure 4-7.

4.4 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 in figure 4-8.
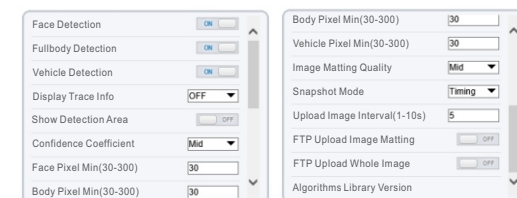
Figure 4-8 Intelligent Analysis

4.5 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, as shown in figure 4-9.

Figure 4-9 AI Multiobject

📖 NOTE

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