

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.

MARNING	It alerts you to moderate dangers which, if not avoided, may cause minor or moderate injuries.
A 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.



- 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.

A 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 moistureproof measures to avoid circuit board corrosion that can affect monitoring
- Remove the power plug if the device is idle for a long time.
- Keep the device ventilation to avoid overheating.
- Do not install the device in extremely hot, cold, dusty, high salinity, high humidity, or corrosive environments; Forbid disassembling the device in these environments.
- If the equipment is disassembled for a long time, or the device is not installed properly after debugging, it will affect the sealing, cause the equipment to fog up and not work properly.

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 our website.

1 Packing List

Open the package, check the appearance of product for no obvious damage, and confirm whether the items are consistent with the list.

Table 1-1 Packing list

Component	Quantity	Remark
PTZ network camera	1	
Quick setup guide	1	
Gloves (pair)	1	
Terminal block	2	
Hexagon socket stainless steel	1	
Hexagon socket knurled stainless	3	
S4 Allen key	1	
S5 Allen key	1	
S2.5 Allen wrench	1	
S3 Allen key	1	Optional
Ethernet port waterproof cove	1	
power adapter	1	
Power cable	1	
wall-mounted bracket	1	

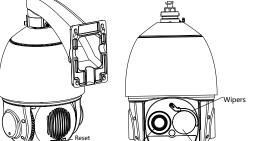
2 Device Structure

2.1 Device Ports

□ NOTE

Different devices may have different device ports; Please refer to the actual product.

Figure 2-1 Device ports



Thermal imaging lens Optical light lens

Table 2-1 Ports description

Port name	Description	Remark
SD card slot	Insert SD card.	
Reset button	Long press the reset button for 5 seconds to restore the original settings.	
Thermal imaging lens	-	
Optical light lens	-	
Wipers	Can clean rainwater from glass mirror	

■ NOTE

Different devices may have different device ports; Please refer to the actual product.

Figure 2-2 Multi-head cable

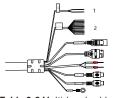


Table 2-2 Multi-head cable description

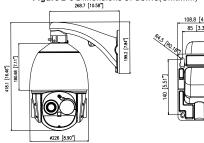
ID	Core	Description	Remark
1	green vellow	RS 485	RX +
Ë	Brown	ALARM OUT1	RX -
	Brown in black		
	Red	LARM OUT2	
	Red&black	LARM OUT2 COM	
	Orange	LARM_IN1	
	Orange&black	LARM IN2	
2	Yellow	LARM_IN3	
	Yellow&black	LARM_IN4	
	Blue	LARM_IN5	
	Blue&black	LARM_IN6	
	Green&black	LARM_IN7	
	Green	ALARM_IN_COM	
3	-	CVBS	
4	Rj45	Ethernet port	Support PoE++(802.3BT
	Black	Power interface	AC24~/DC36V-
5	Red	rower interrace	AC24~/DC36V+
6	White	Audio input	
7	Red	Audio output	
8	Yellow	Grounding	

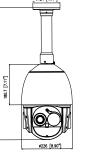
2.2 Camera Dimensions

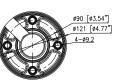
M NOTE

Different devices may have different dimensions; Please refer to the actual product.

Figure 2-3 Dimensions of dome(Unit:mm)

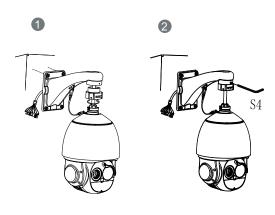


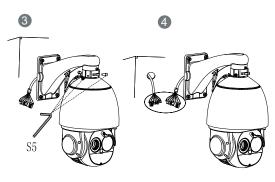


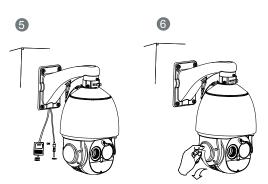


3 Device Installation

The PTZ camera can be installed in the wall bracket or ceiling bracket. This section describes how to install the camera in the wall bracket.









4 Quick Configuration(e.g Edge

4.1 Login

Step 1 Open the **Microsoft Edge** browser, enter the IP address of IP camera (default value: 192.168.0.121) in the 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. Change the password when you log in the system for first time to ensure system security.
- It is advised to restart the device three minutes later after modifying the password
- You can change the system's display language on the login page.
- We support Google Chrome, Firefox, Edge and other main browsers to play live video and configure parameters.

Figure 4-1 Login



Step3 Click Login icon, the main page is displayed.

4.2 Modify IP Address

Choose Configuration > Device > Local Network, the Local Network page is displayed.

Input 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 login the Web interface.

Figure 4-2 Local network

Network Card ID	1	
IP Protocol	Pv4 ▼	
DHCP	OF	
IP Address	192.168.0.120	
Subnet Mask	255.255.255.0	
Default Gateway	192.168.0.1	
Preferred DNS Server	192.188.0.1	
Alternate DNS Server	192.168.0.2	
MTU(1280-1500)	1500	

4.3 Browsing Video

For H.264 video, it can be played directly; If you want to play H.265 video smoothly, the IPC local server should be downloaded in advanced. You can click \(\begin{array}{c} \begin{array}{c} \leftilde{\text{c}} \end{array} \) icon to download, and install it following the steps, then you can play the H.265 video. Click "Switch to No plugin Play" to switch mode.

Figure 4-3 Download IPC local server



- 1 Download IPC local server: Click the icon to download the software, and install it following the tips. Refresh the Web to play the live video by using plugin. You can view the H.265 type video.
- 2 People Counting: Users can query the data of people counting, through year, month, day. The statistics can be downloaded. The data can be shown by line chart, histogram, list.
- 3 Switch to No plugin play: Install the IPC local server, users can choose plugin or No plugin to play the live video.

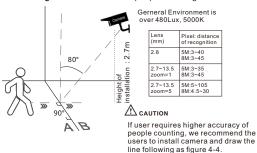


WARNING

*PTZ interface is only for cameras with motorized lens or with PTZ, not for all models. Above figures are only for reference, please refer to actual product.

*The function of bellow the introduce are not supported for all IP camera, please refer to actual product.

Figure 4-4 Installation of people counting



4.4 Two-way Audio



Partial cameras do not support two-way audio, this section does not apply.

4.4.1 Camera - PC

Connection:

- Step 1 Connect microphone to audio input interface of camera.
- Step 2 Connect speaker to the PC audio output interface.
- Step 3 Log in camera Web, click 長 to turn on two-way audio.

4.4.2 PC \Longrightarrow Camera

- Step 1 Connect microphone to PC audio input interface.
- Step 2 Connect speaker to camera audio out interface.
- Step 3 Log in camera Web, click 👢 to turn on two-way audio.

4.5 Intelligent Analysis

At "Configuration > Intelligent Analysis" interface, users can set the parameters of Intrusion, Single Line Crossing, Double Line Crossing, Multi-Loitering, Retrograde, Illegal Parking, People Counting and Smart Motion, as shown in figure 4-5.

Figure 4-5 Intelligent analysis



4.6 Al Multi Object

At "Configuration > Al Multi object" interface, users can enable face detection / full body detection / vehicle detection / detection area, set face pixel min / body pixel min / vehicle pixel min as shown in figure 4-6.

Figure 4-6 Al Multi-object

