






PRO 9792IP

902 92109

User Manual

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.
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- 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

- 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.

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
High Speed Dome Camera	1	
Quick Setup Guide	1	
Bracket connector	2	
No.5 Hex Wrench	1	
Slotted screwdriver	1	
Terminal block	2	
A pair of gloves	1	
Power adapter	1	
Wall mount bracket	1	
Ceiling mount bracket	1	Optional
Stainless hexagon screw M5*9mm	1	
Stainless hexagon screw M6*14mm	3	

Device Structure

2.1 Device Ports



NOTE

Different device may have different multi-head cable, please refer to the actual product.

Figure 2-1 Multi-head cable

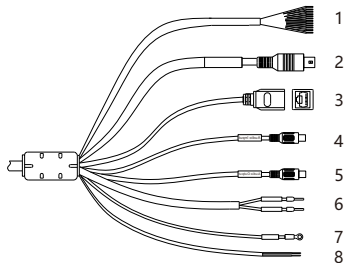


Table 2-1 Multi-head cable description

ID	Core	Function	Description
1	Brown	Alarm output channel 1	Alarm input and alarm output channels.
	Brown/Black	Alarm output channel 1 common terminal	
	Red	Alarm output channel 2	
	Red/Black	Alarm output channel 2 common terminal	
	Orange	Alarm input channel 1	
	Orange/Black	Alarm input channel 2	
	Yellow	Alarm input channel 3	
	Yellow/Black	Alarm input channel 4	
	Green	Alarm input channel 5	

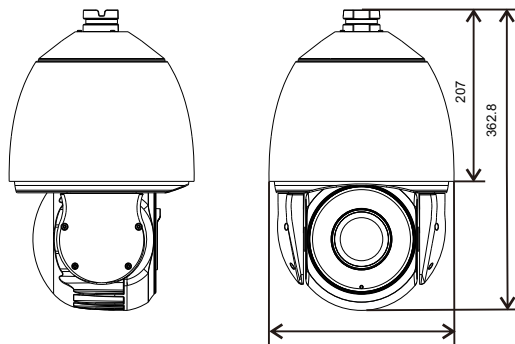
ID	Core	Function	Description
	Green/Black	Alarm input channel 6	
	Blue	Alarm input channel 7	
	Blue/Black	Alarm input channel common terminal	
2	N/A	BNC Video	Sends an analog video signal. You can connect the camera to a TV monitor through this port to view the analog video..
3	N/A	Network port	Connects to a standard Ethernet cable.
4	Red taped core	Audio output	Connects to an external audio device such as a speaker.
5	White taped core	Audio input	Receives an analog audio signal from devices such as a sound pickup device..
6	Red core	AC 24V power supply	Supply power for device and heater.
	Black core		
7	N/A	Grounding wire	-
8	Yellow	RS485-	Connects an external Pan Tilt Zoom (PTZ).
	Green	RS485+	

2.2 Camera Dimensions

 NOTE

Different device may have different dimensions, please refer to the actual product.

Figure 2-2 Dimensions Unit:mm

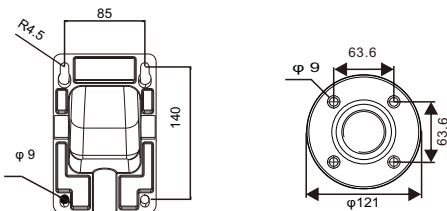


Device Installation

Installation Steps:

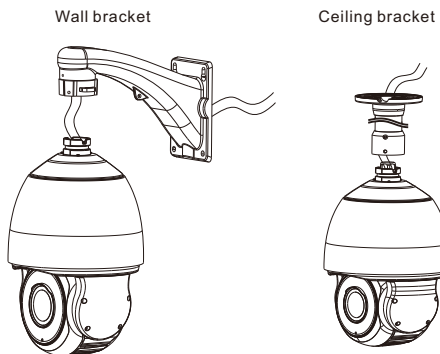
Step 1 Please make the mark based on bracket dimensions for drilling the hole. Drill four $\phi 8$ holes over 60 mm depth, and drive the swell plastic buttons into the holes.

Figure 3-1 Bracket dimensions(unit:mm)



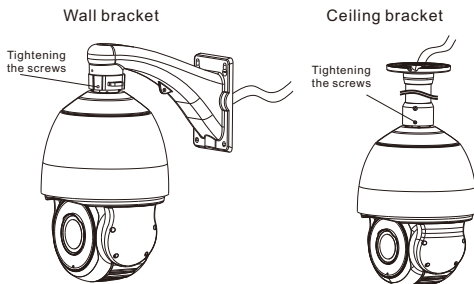
Step 2 Thread all cables through the cable hole on the side of the bracket, as shown in the figure 3-2.

Figure 3-2 Aligning the screw holes



Step 3 Attach the high speed dome to the bracket, the tighten the three screws, as shown in figure 3-3.

Figure 3-3 Fixing the bracket and dome



Step 4 Mount the high speed dome to the wall or ceiling and tighten the four screws on the bracket completely.

Quick Configurations (Eg IE)

4.1 Login

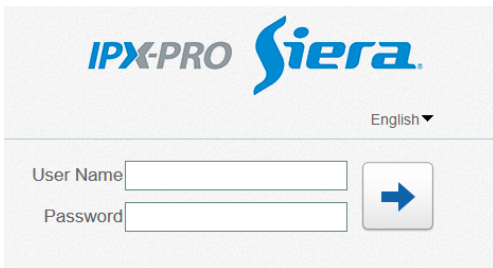
- Step 1 Open the Internet Explorer, enter the IP address of IP camera (default value: 192.168.1.251 in the address box, and press Enter. The login page is displayed, as shown in figure 4-1 .
- Step 2 Input the user name and password.



NOTE

The default user name is admin. The default password is admin. Change the password when you log in the system for first time to ensure system security.
You can change the system display language on the login page.

Figure 4-1 Login



Step3 Click Login, the main page is displayed.

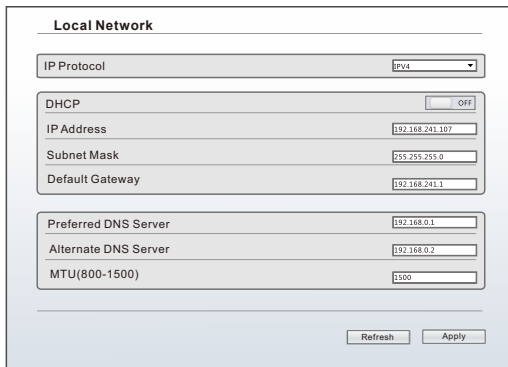
4.2 Modify IP address

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 success of the IP address setting, please use the new IP address to log in the Web interface.

Figure 4-2 Local Network



Local Network	
IP Protocol	IPv4
DHCP	<input type="checkbox"/> OFF
IP Address	192.168.241.107
Subnet Mask	255.255.255.0
Default Gateway	192.168.241.1
Preferred DNS Server	192.168.0.1
Alternate DNS Server	192.168.0.2
MTU(800-1500)	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:

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

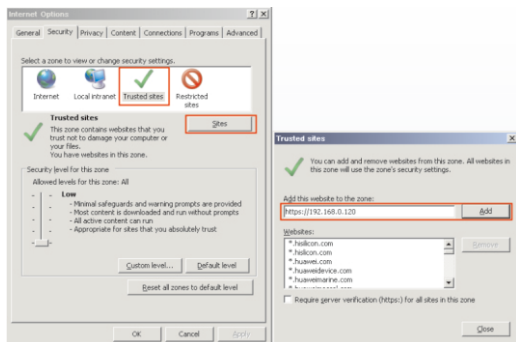
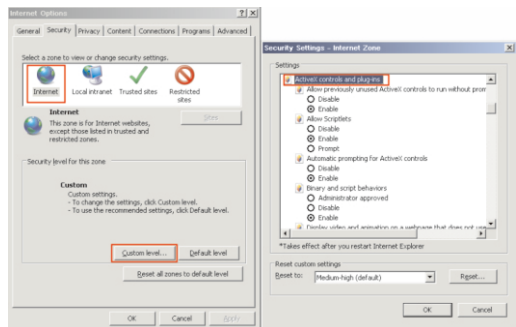


Figure 4-4 Configuring ActiveX control and plug-in



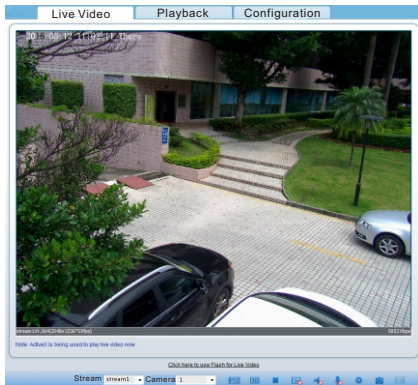
Step 3 Download and install the player control as prompted.

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



4.4 Two-way audio

NOTE

Partial camera do not support two-way audio, this section do 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  to turn on two-way audio.

4.4.2 PC ↔ Camera

Step1 Connect microphone to PC audio input interface.

Step2 Connect speaker to camera audio out interface.

Step3 Log in camera Web, click  to turn on two-way audio.

4.5 Alarm Configuration

NOTE

Partial camera do not support alarm, this section do not apply.

Alarm input and Alarm output connection:

- Step1 Connect alarm input device to Alarm IN0 and Alarm COM0 of multi-head cable.
- Step2 Connect alarm output device to Alarm OUT1 and Alarm COM1 of multi-head cable, alarm output interface can connect to normal open device only.
- Step3 Log in Web, Choose **Configuration>Alarm>I/O Alarm**, set the parameters as shown in figure 4-6.
- Step4 Choose **Configuration>Alarm>I/O Alarm Linkage**, enable the I/O Alarm and set the parameters of Schedule Setting.

Figure 4-6 Alarm

I/O Alarm	
Alarm input	1
Name	<input type="checkbox"/> 1
Valid Voltage Level	High
✓	
Alarm output	1
Name	<input type="text"/>
Valid Signal	Close
Alarm Output Mode	Switch Mode
Alarm Time(ms)(0:Continuous)	0
✓	
Manual Control	<input type="button" value="Start"/> <input type="button" value="Stop"/>
<input type="button" value="Refresh"/>	

5.1 Simple Troubleshooting

Failure Mode	Parts For Checking	Possible Cause	Solution
No actions and no images after power on	External electricity	Power supply is abnormal	Replace
		Main board exists problems	Replace
There is image, but camera can't self test after power on	Motor is abnormal	Mechanical fault	Whether something get stuck
	The swing of camera	Very oblique	Adjust
		Power is not enough	Use the right power supply
		Main board exists problems	Replace
Camera can self test after power on, but no image	No connect cable between power board and connecting plate	Disconnected	Connect again
	Network cable	Disconnected	Connect well
		Cable is too long	The normal length is 100m
		IP addresses conflict	Change IP address
	Line-sequential of network cable is wrong	Equivalent devices use crossover cable; Incoordinate devices use parallel cable	
There is image, camera can self test after power on, but can't control	Client, Web configuration	The settings of PTZ address, protocols, and baud rate	PTZ address, protocols, and baud rate must correspond with the information of camera dial code
Image is faint		Camera is in the status of manual focus	Set the zoom module to auto focus
	Transparent protective cover	It is dirty	Clean the cover

5.2 Clean The Transparent Cover

The transparent cover must be cleaned regularly to make imaging clear. Please be careful when you clean it. Don't touch the transparent cover directly; the acidic perspiration stains may corrode the surface coating of this transparent cover. Hard objects may scratch the transparent cover, which will lead to faint imaging.

Please use soft dry cloth or other substitutes to clean it.

If dirty is serious, you can use neutral cleanser. It also can be cleaned by any senior furniture cleaning products.

5.3 Lighting Protection, Surge Protection

Outdoor speed dome camera must consider thunder-proof and surge immunity. On the premise of guaranteeing electrical safety, we can take following lightning protection measures:

.At least keep 50m distance between signal transmission line and high voltage equipment or high voltage cable.

.Outdoor wiring under the eaves.

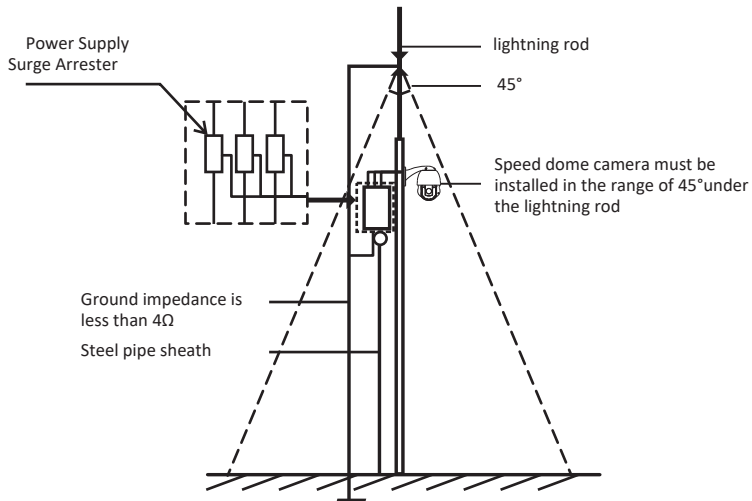
.For open field, adopt seal steel pipe buried wiring way, and adopt one-point earthing with the steel pipe. Do not adopt aerial wiring.

.It need to add extra high-frequency thunder-proof device and lightning rod in strong thunderstorms area or high inductive voltage region(such as high voltage substation).

.Thunder-proof and grounding design of Exterior installation and circuit must be in accordance with building lightning proof requirements;
It must meet national standard and industry standard.

.System must be equipotential grounding. Grounding device must meet anti-jamming and electric safety dual requirements.

The connection with strong electrified wire netting can't be short connection or mixed connection. When system is in the condition of single-phase grounding, ground impedance is less than 4ohms, ground wire cross-section area must be more than 25 mm².



5.4 Pressing Line Method And Line-sequential Of Network Cable

There are two kinds of network cable: crossover cable and parallel cable.

Crossover cable: one end uses the standard of 568A, the other end uses the standard of 568B.

Parallel cable: Both the two ends use 568A or 568B (568B is mostly adopted).

The standard of 568A: green-and-white, green, orange-and-white, blue, blue-and-white, orange, brown-and-white, brown.

The standard of 568B: orange-and-white, orange, green-and-white, blue, blue-and-white, green, brown-and-white, brown.

If the two equipments are incoordinate, use parallel cable to connect.
For example, connect PC to the router or switch.

If the two equipments are equivalent, use crossover cable to connect.
For example, connect PC to PC.