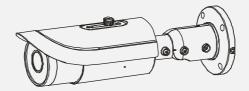
# IR Water-Proof Network Camera

# User Manual



Please read this manual carefully for correct use of the product.

### **Notes**

- Please use the specified power supply to connect.
- Do not attempt to disassemble the camera; in order to prevent electric shock, do not remove screws or covers.
- There are no user-serviceable parts inside. Please contact the nearest service center as soon as possible if there is any failure.
- Avoid from incorrect operation, shock vibration, heavy pressing which can cause damage to product.
- Do not use corrosive detergent to clean main body of the camera. If necessary, please use soft dry cloth to wipe dirt; for hard contamination, use neutral detergent. Any cleanser for high grade furniture is applicable.
- Avoid aiming the camera directly towards extremely bright objects, such as, sun, as this may damage the image sensor.
- Please follow the instructions to install the camera. Do not reverse the camera, or the reversing image will be received.
- Do not operate it incase temperature, humidity and power supply are beyond the limited stipulations.
- Keep away from heat sources such as radiators, heat registers, stove, etc.
- Do not expose the product to the direct airflow from an air conditioner.
- This is product instructions not quality warranty. We may reserve the rights of amending the typographical errors, inconsistencies with the latest version, software upgrades and product improvements, interpretation and modification. These changes will be published in the latest version without special notification.
- When this product is in use, the relevant contents of Microsoft, Apple and Google will be involved in. The pictures and screenshots in this manual are only used to explain the usage of our product. The ownerships of trademarks, logos and other intellectual properties related to Microsoft, Apple and Google belong to the above-mentioned companies.
- This manual is suitable for IR water-proof network camera. All pictures and examples used in the manual are for reference only.

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### 1 Introduction

This IP-CAMERA (short for IP-CAM) is designed for high performance CCTV solutions. It adopts state of the art video processing chips. It utilizes most advanced technologies, such as video encoding and decoding technology, complies with the TCP/IP protocol, SoC, etc to ensure this system more stable and reliable.

This product is widely used in banks, telecommunication systems, electricity power departments, law systems, factories, storehouses, uptowns, etc. In addition, it is also an ideal choice for surveillance sites with middle or high risks.

#### **Main Features**

- 3MP (2048 × 1536) coding
- Max. resolution: 2048 × 1536
- ICR auto switch, true day/night
- 3D DNR, digital WDR
- ROI coding
- PoE power supply
- Support smart phone, iPad, remote monitoring
- Support P2P (NET Traversal)
- Support TF card storage
- 30~50m IR night visible distance

### 2 IE Remote Access

IP-CAM can be connected through LAN or WAN. Here only take IE browser (6.0) for example. The details are as follows:

#### 2.1 LAN

In LAN, there are two ways to access IP-CAM: 1. Access through IP-Tool; 2. Directly access through IE browser.

#### 2.1.1 Access through IP-Tool

- ① Make sure the PC and IP-CAM are connected to the LAN and the IP-Tool is installed in the PC from the CD.
- ② Double click the IP-Tool icon on the desktop to run this software as shown below:



③ Modify the IP address. The default IP address of this camera is 192.168.226.201. Click the information of the camera listed in the above table to show the network information on the right hand. Modify the IP address and gateway of the camera and make sure its network address is in the same local area network segment as the computer's. Please modify the IP address of your device according to the practical situation.



For example, the IP address of your computer is 192.168.13.4. So the IP address of the camera

shall be changed to 192.168.13.X. After modification, please input the password of the administrator and click "Modify" button to modify the setting.



The default password of the administrator is "123456".

④ Double click the IP address and then the system will pop up the IE browser to connect IP-CAM. IE browser will automatically download the Active X control. After downloading, a login window will pop up as shown below.



Input the username and password to log in.



The default username is "admin"; the default password is "123456".

### 2.1.2 Directly Access through IE

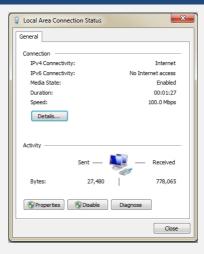
The default network settings are as shown below:

IP address: **192.168.226.201** Subnet Mask: **255.255.255.0** Gateway: **192.168.226.1** 

HTTP: 80
Data port: 9008

You may use the above default settings when you log in the camera for the first time.

① Manually set the IP address of the PC and the network segment should be as the same as the default settings of the IP camera. Open the network and share center. Click "Local Area Connection" to pop up the following window.



Select "Properties" and then select internet protocol according to the actual situation (for example: IPV4). Next, click "Properties" button to set the network of the PC.



- ② Open the IE browser and input the default address of IP-CAM and confirm. The IE browser will download Active X control automatically.
- $\ensuremath{\mathfrak{J}}$  After downloading Active X control, the login dialog box will pop up.
- 4 Input the default username and password and then enter to view.

#### 2.2 WAN

Take access the camera by the router or virtual server for example.

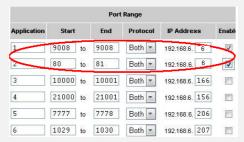
① Make sure the camera is well connected via LAN and then log in the camera via LAN and

go to the Config→Network Config→Port menu to set up the port number.

- ② Go to Config →Network Config→IP Address menu to modify the IP address.
- ③ Go to the router's management interface through IE browser to forward the IP address and port of the camera in the "Virtual Server".



Port Setup IP Setup



**Router Setup** 

4 Open the IE browser and input its WAN IP and http port to access.

### 3 Remote Preview

#### 3.1 The Remote Preview Interface



Remote Preview

1	People icon	4	Zoom in	7	Start recording
2	Fix size	5	Zoom out	8	Playback
3	Actual size	6	Full screen	9	Snap

• When motion detection alarm is triggered, the people icon turns red.

Right click to pop up a pull-down list as shown below:

Stream: Three streams are optional.

**Turn off the live:** Click this item to close present live preview. **Full screen:** The live preview picture will be full-screen display. Double click or click right mouse to return to the previous interface.

**Online user:** Display the current user connecting to the device. **System information:** Display the device information: device name, firmware version, software build date, kernel version and hardware version.

1 1920x1080 25fps 2 704x576 25fps 3 352x288 25fps Turn off the live

Enable audio
Full Screen
Online User
System Information

### 3.2 Record Playback

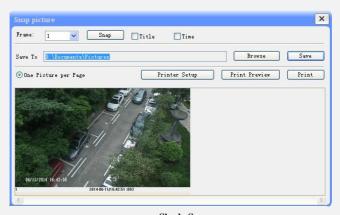
Before you play the record files, please make sure you have recorded. You may click button to record. Then click button to pop up a video player. Double click the record file to play the video as shown below.



1	Play	5	Next frame	9	Zoom out
2	Pause	6	The previous file	10	Full screen
3	Stop	7	The next file	11	Path
4	Forward	8	Zoom in	12	Volume

### 3.3 Snap Pictures

Select the picture number and then click "Snap" oicon as shown below.



Single Snap

You can capture multiple pictures. Select the picture number from Frame pull down list box, such as 2, and check "Title" and "Time" to show capture title and time on the snap pictures simultaneously.



**Multi-picture Snap** 

Click "Browse" to set saving path. Click "Save" to save pictures to HDD on the computer; click "Printer setup" to set the printer and print the snap pictures; drag the scroll bar to view all snapped pictures.

### 4 Remote Live Surveillance

Functions of remote configurations include: System Configuration, Video Configuration, Alarm Configuration, Network Configuration and Advanced Configuration. you should first select the menu on the left and then set the relative parameters.

### 4.1 System Configuration

The "System configuration" includes three submenus: Basic Information, Date & Time and SD card.

#### 4.1.1 Basic Information

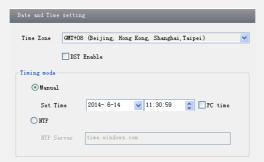
Go to Config  $\rightarrow$  Basic information menu as shown below. In the basic information interface, you can set up the device name and check the relative information of the server.



### 4.1.2 Date & Time Configuration

#### Setting steps:

1. Go to "System Configuration" → "Date & Time".



- 2. Set time zone.
- 3. Enable DST mode as required.
- 4. Set time. You may set time manually or enable NTP.

#### 4.1.3 SD Card

1. Go to "System Configuration" → "SD Card" as shown below:



The first time you used the SD card, you should click "Format SD card". Click "Eject card" to stop writing data to SD card. Then the SD card can be ejected safely.



**Note**: Using of SD card function should be coordinated with motion alarm. When alarm is triggered, the system will automatically snap picture and save the picture into SD card.

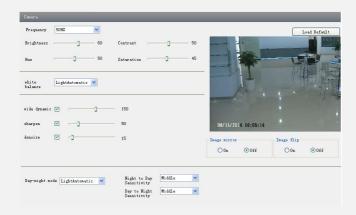
### 4.2 Video Configuration

Camera Configuration includes five submenus: Camera Configuration, Video Stream, OSD Config, Video Mask and ROI Config.

### 4.2.1 Camera Configuration

#### Setting steps:

1. Go to "Video Configuration" → "Camera" interface as shown below.



2. You may adjust frequency, brightness, contrast, hue and saturation of the picture.

- 3. Select white balance mode.
- 4. Wide dynamic, sharpen and denoise are adjustable.
- 5. You can also set day-night mode and enable the image mirror and image overturn function.
- 6. Press the "Save" button to save the settings.

#### 4.2.2 Video Stream

Go to "Video configuration" → "Video Stream" to see an interface as shown below.



Three video streams can be adjustable.

**Resolution**: The higher the resolution is, the clearer the image is.

**Frame rate**: The higher the frame rate is, the more fluency the video is. However, more storage room will be taken up.

**Bitrate type**: Including CBR and VBR. CBR means that no matter how changeable the video resources are, the compression bitrate keeps constant. This will not only facilitate the image quality better in a constant bitrate but also help to calculate the capacity of the recording. VBR means that the compression bitrate can be adjustable according to the change of the video resources. This will help to optimize the network bandwidth.

**Video Quality**: When VBR is selected, you need to choose image quality. The higher the image quality you choose, the more bitrate will be required.

Bitrate: Please choose it according to the actual network situation.

**I Frame interval**: It is recommended to use the default value. If the value is over high, the read speed of the group of pictures will be slow resulting in the quality loss of the video.

**Video encoding profile**: Baseline, main and high profile are optional. Baseline profile is mainly used in interactive application with low complexity and delay. Main/high profile is mainly used for higher coding requirement.

Alarm picture size: Please select it according to the actual situation.

**Video encode slice split**: If enabled, you may get more fluency image even though using the low-performance PC.

### 4.2.3 OSD Configuration

Go to "Video Config" → "OSD Config" menu to display the interface as shown below. You may set time stamp, device name and custom OSD here. Drag the time stamp and custom OSD to set their position. Then press the "Save" button to save the settings.



#### 4.2.4 Video Mask

You can set 4 mask areas at most.



#### To set up video mask

- 1. Enable video mask and select mask color.
- 2. Click "Draw" button and then drag the mouse to draw the video mask area.
- 3. Click "Save" button to save the settings.
- 4. Return to the live to see the following picture.



#### Clear the video mask:

Go to video mask menu and then click "Clear" button to delete the current video mask area.

### 4.2.5 ROI Configuration

#### To set up ROI

1. Go to Config → ROI Config menu.



- 2. Check "Enable" and then click "Draw" button.
- 3. Drag the mouse to set the ROI area.
- 4. Set the level.
- 5. Click "Save" button to save the settings.

Now, you will see the selected ROI area is clearer than other areas especially in low bitrate condition.



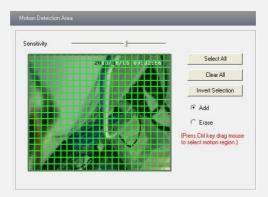


### 4.3 Alarm Configuration

Alarm configuration includes three submenus: Motion Detection Area, Motion Detection Trigger and Motion Detection Schedule.

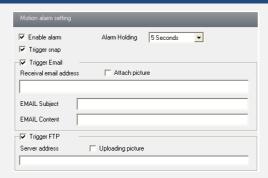
#### 4.3.1 Motion Detection Area

- 1. Go to "Alarm configuration" → "Motion Detection Area" to see an interface as shown below.
- 2. Move the "Sensitivity" scroll bar to set up the motion trace sensitivity.
- 3. Check "Add", press the "Ctrl" button and move mouse to select the motion detection area; Select "Erase" and move the mouse to clear all motion detection area.
- 4. Press the "Save" button to save the settings.



### 4.3.2 Motion Detection Trigger

1. Go to "Alarm Configuration" → "Motion Detection Trigger" to display an interface as shown below.



- 2. Check "Enable alarm" check box. Then motion based alarm is activated.
- 3. Set alarm holding time.
- 4. Set alarm trigger options.

**Trigger Snap:** If selected, the system will snap images on an alarm and save them in SD card.

**Trigger Email**: If the email and attach picture checkbox is checked (Email address shall be set first in the Mail config interface), the triggered snap pictures and event will be sent into those address.

**Trigger FTP**: If "Uploading picture" is checked, the triggered snap pictures will be sent into FTP server address. Please refer to FTP configuration chapter for more details.

5. Press the "Save" button to save the settings.

#### 4.3.3 Motion Detection Schedule

Go to "Alarm configuration"  $\rightarrow$  "Motion Detection schedule" interface as shown below.

#### Week schedule

You can set the alarm time from Monday to Sunday for alarm everyday in one week.

Note: The lengthwise means one day of a week; the rank means 24 hours of a day. Click on the pane to set the alarm hours. Green means selected area. Blank means unselected area.

Add: Add the schedule for a special day.

Erase: Delete holiday schedule.

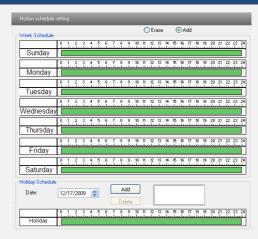
#### Day schedule

You can set alarm time for alarm at a certain time of special day, such as holiday.

- 1. Select a date at the "Date" pull down list, press "Add" button to add that date to the list box on the right side and then move the scroll bar to set the schedule of that day.
- 2. Select a date in the list box on the right side, and press "Erase" to remove the schedule on that day.

Press the "Save" button to save the settings.

Note: Holiday schedule is prior to Week schedule.



### 4.4 Network Configuration

Network configuration includes eight submenus: Port, IP Address, Server Configuration, IP Notify, DDNS Config, RTSP, UPnP, Mail Setting and FTP.

#### 4.4.1 Port

1. Go to "Network config" → "Port" to see the interface as shown below.



- 2. Input port number for IE access in the "HTTP Port" textbox.
- 3. Input the port number for audio & video transmission in the "Data Port" textbox.

#### 4.4.2 IP Address

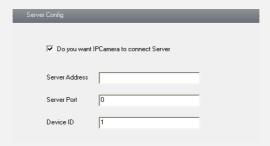
- 1. Go to "Network Configuration" → "IP Address" to see a tab shown below.
- 2. There are two options for IP setup: obtain an IP address auto by DHCP protocol and use the following IP address. You may choose one of options as required.
- 3. Use the following IP address: display the IP address, subnet mask, gateway and DNS of the device.



- 4. PPPoE: User needs to manual input the user name and password for dial-up internet.
- Firstly, log in IE clients and then enter user name and password of PPPoE, save the setting and exit. Secondly, set up IP address change notice. Thirdly, connect with Modem. Then the device will dial up internet automatically.
- 5. Press the "Save" button to save the settings.

#### 4.4.3 Server Configuration

Go to "Network Configuration" → "Server Config".



- 1. Check "Do you want IP Camera to connect Server".
- 2. Check the IP address and port of the transfer media server in the CMS/NVMS. Then enable the auto report in the CMS/NVMS when adding a new device. Next, self-define the device ID and input the remaining information of the device in the CMS/NVMS.
- 3. Input the above-mentioned server IP, server port and device ID in the relevant boxes.
- 4. Click "Save" button to save the settings.

### 4.4.4 IP Notify

- 1. Go to "Network Configuration" → "IP Notify" to see a tab as shown below.
- 2. If the "Enable notifying change of IP" is selected, when the IP address of the device is changed, a new IP address will be sent to the appointed mailbox automatically; If "FTP" is selected, when the IP address of the device is changed, a new IP address will be sent to FTP server.



### 4.4.5 DDNS Configuration

1. Go to "Network Configuration" → "DDNS Configuration" tab as shown below.



2. Apply for a domain name. Take www. dvrdydns.com for example. Input <a href="www.dvrdydns.com">www.dvrdydns.com</a> in the IE address bar to visit its website. Then click "Registration" button to register as shown below.



Create domain name.



After you successfully request your domain name, you will see your domain in the list.



- 3. Select the server type and then input the username, password and domain name you apply for in the DDNS configuration interface.
- 4. Click "Save" button to save the settings.

#### 4.4.6 RTSP

Go to "Network Configuration"→ "RTSP" interface as shown below.



- 1. Select "Enable RTSP server".
- 2. RTSP Port: Access Port of the streaming media. The default number is 554.
- 3. RTSP Address: The RTSP address you need to input in the media player.
- 4. You can also choose to enable anonymous viewer login.

#### 4.4.7 UPnP

Go to "Network Configuration" → "UPnP" interface as shown below. Select "Enable UPnP" and then input friendly name.



Then double click "Network" icon on the desktop of the PC to see an icon with the friendly name and IP address of the camera. You may quickly access the device by double clicking this icon.

#### 4.4.8 Mail Setting

Go to "Network Configuration" → "Mail Setting" interface.

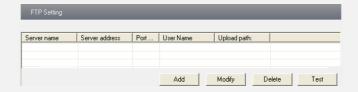


- 1. From Email: Sender's e-mail address.
- 2. User name and password: Sender's user name and password.
- 3. Server address: SMTP name of sender.
- Select the secure connection type at the Secure Connection pull down list according to user' actual needs.
- 5. Receival email address list: Add email address into the list.
- 6. Receival email address: Receiver's e-mail address.
- 7. After all parameters set up, you can click "Test your account settings". If email sent successful, a "Test Successful" window will pop up, if not, you can try other email addresses or check the setting.

**Notice:** If you change the static IP into PPPoE and select mailbox, there will be an e-mail sent to your mail box for notifying a new IP address.

#### 4.4.9 FTP

Go to Network Configuration→FTP interface as shown below.



- 1. Add: Click Add button to input FTP server's server name, address, port number, user name, password and upload path. Then click OK to confirm the setting.
- 2. Modify: Click this button to change the information of the FTP server.
- 3. Delete: Select a FTP account and click this button to delete this account.
- 4. Test: Select a FTP account and click this button to test its validity.

Please refer to the following table for parameters and instructions of FTP configuration. Please refer to the following table for parameters and instructions of FTP configuration.



Parameter	Meaning		
Server name	The name of the FTP server		
Server address	The address of the FTP server		
Port	The port number of the FTP server		
User name	The user name of the FTP server		
Password	The password of the FTP server		
Path	The save path for FTP files		

### 4.5 Advanced Configuration

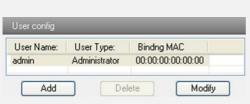
Advanced configuration includes four submenus: User Configuration, Security Configuration, Configure Backup & Restore, Reboot and Upgrade.

### 4.5.1 User Configuration

Go to "User Configuration" interface.

#### Add user:

1. Clicking "Add" button pops up "Add User" dialog box.







Add User

**Note:** After binding physical address to the IP-CAM, you can access the device on this PC only. If the MAC address is "00:00:00:00:00:00", it means that it can be connected to any computers.

- 2. Input user name in "User Name" textbox (only letters).
- 3. Input characters in "Password" and "Confirm Password" textbox (letters or numbers).
- 4. Input the MAC address of the PC in "Binding MAC address" textbox.
- 5. Click "OK" button and then the new added user will display in the user list.

#### Modify user:

1. Select the user you want to modify password and physical address in the user configuration list box.

2. Clicking "Modify" button will pop up "Modify user" dialog box as shown below.



Modify User

- 3. Input original password of this user in the "Password" text box.
- 4. Input new password in the "New password" and "Confirmation" text box.
- 5. Input computer's physical address which is used to access the server in the "User PC MAC" text box.
- 6. Click "OK" button to modify password and binding MAC address successfully.

#### Delete user:

- 1. Select the user you want to delete in the user configuration list box.
- 2. Click "Delete" button to pop up a confirm dialog box. Then click "OK" to delete the user.

**Note:** The default super administrator cannot be deleted.

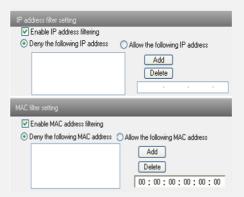
Parameter	Meaning		
User Name	User name to operate the logon client end		
User Type	Type of users, normal user, advanced user and super administrator		
Binding MAC address	The MAC addresses of user access the server which should set up according to actual MAC address of server.		
Password	Password to log in the client terminal		
Confirm Password	Password to log in the client terminal		

### 4.5.2 Security Configuration

- 1. Go to Advanced Configuration→Security Configuration to see a tab shown below.
- 2. Check "Enable IP address" check box, select "Deny the following IP address", input IP address in the IP address list box and click "Add" button. Then this IP address will display in the list box; the operation step of "Allow the following IP address" is the same as that of "Deny the following IP address".
- 3. Select the IP address you want to delete from the IP address list box and click "Delete" button to delete that IP address.
- 4. Check "Enable MAC address" check box, select "Deny the following IP address", input MAC address in the MAC address list box and click "Add" button. Then this MAC address will display in the list box; the operation step of "Allow the following MAC address" is the

same as that of "Deny the following IP address".

- 5. Select the MAC address you want to delete from the MAC address list box and click "Delete" button to delete that MAC address.
- 6. Click "Save" button to save the above setting.

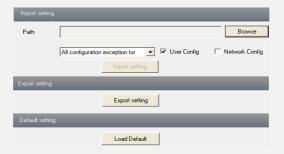


### 4.5.3 Configure Backup & Restore

Go to Advanced configuration→Configure Backup & Restore Interface.

#### • Import & Export Configuration:

- 1. Click "Browse" to select save path for import or export information on PC.
- 2. You can import or export all setting information, but those two settings "User Configuration" and "Network Configuration" are exceptional.



#### Default Configuration

Click "Load default" button to restore all system settings to the default status.

#### 4.5.4 Reboot Device

Go to Advanced configuration—Reboot device to see an interface as shown below. Click "Reboot device" button to reboot the device.



### 4.5.5 Upgrade

Go to Advanced Configuration—Upgrade interface as shown below.

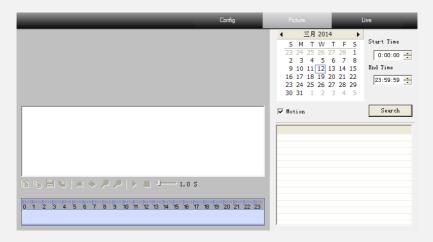


- 1. Click "Browse" button to select the save path of the upgrade file.
- 2. Click "Upgrade server firmware" button to start upgrading the application program.
- 3. The device will restart automatically. After you successfully update the software, click "OK" button to close IE and then re-open IE to connect IP-CAM.

Notice: Do not shut down the PC or close the IP-CAM during upgrade.

### 5 Video Search

Click "Picture" icon and search the images saved in the SD card.



- 1. Set time: Select date in the "Calendar" and choose the start and end time.
- 2. Choose event "Motion" or "Sensor".
- 3. Click "Search" button to search the picture.
- 4. Double click a filename or select a filename and then click "View" button in the list box to view captured pictures.



Item	Buttons	Explanations
1	1	Close: Select certain picture and click this button to close this picture.
2	i i	Close all: Click this button to close all pictures viewing.
3		Save: Click this button to select the save path of the picture file on the PC for saving the current picture.
4		Save all: Click this button to select the save path of the picture files on PC for saving all pictures.
5		Fit size: The picture will fit on screen by clicking this button.
6	-	Actual size: Click this button to display the actual size of the picture as required.
7	<b>*</b>	Zoom in: Click this button to amplify the picture.
8	0	Zoom out: Click this button to zoom out the picture.
9		Slide play: Click this button to play the picture in slide show mode.
10		Stop: Click this button to stop slide show.
11		Play speed: Play speed of the slide show.

# 6 Q & A

#### Q: How to find my password if I forget it?

A: Reset the device to the default factory settings by IP-Tool.

Default IP: 192.168.226.201

User name: admin Password: 123456

#### Q: Fail to connect devices through IE browser, why?

A: Network is not well connected. Please check the connection and make sure it is connected well

B: IP is not available. Reset the valid IP.

C: Web port number has been revised: contact administrator to get the correct port number.

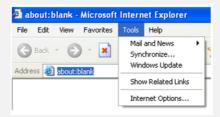
D: Exclude the above reasons. Recover default setting by IP-Tool. Note: Default IP: 192.168.226.201, mask number: 255.255.255.0

#### Q: IP tool cannot search devices, why?

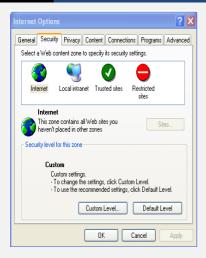
A: It may be caused by the anti-virus software in your computer. Please exit it and try to search device again.

#### Q: IE cannot download ActiveX control. How can I do?

- a. IE browser blocks ActiveX. Please do setup following below.
- ① Open IE browser. Click Tools-----Internet Options....



- 2 Select Security-----Custom Level....
- ③ Enable all the sub options under "ActiveX controls and plug-ins".





- 4 Then click OK to finish setup.
- b. Other plug-ins or anti-virus blocks ActiveX. Please uninstall or close them.

#### Q: No sound can be heard, why?

- A: Audio input device is not connected. Please connect and try again.
- B: Audio function is not enabled at the corresponding channel. Please check AUDIO item to enable this function.

# 7 Specification

Model	3 Megapixel IR Water-	proof Bullet Network Camera		
	Image Sensor	1/3 " CMOS		
	Image Size	2048 × 1536		
	Electronic Shutter	1/25s~1/100000s		
	Auto Iris	Fixed Iris		
Camera	Min. Illumination	0 Lux (IR ON)		
	Lens	8mm (6mm, 12mm, 2.8mm~12mm optional)		
	Day-Night Switch	ICR auto switch		
	WDR	Digital WDR		
	DNR	3D noise reduction		
	Video Compression	H.264/MJPEG		
	Encode Mode	VBR/CBR		
	Image Quality Five levels VBR; Freely adjustable under CBR			
	Bitrate	64Kbps~8Mbps		
Imaga	Resolution	3MP(2048 $\times$ 1536), 1080P(1920 $\times$ 1080), 720P(1280 $\times$ 720), D1, CIF, 480 $\times$ 240		
Image	Multi-streams	3MP (1~15fps) /1920 ×1080 (1~30fps) 1280 ×720 (1~10fps) /D1 (1~30fps) /CIF (1~30fps) CIF (1~30fps) /480 ×240 (1~30fps)		
	Image Settings	Saturation, Brightness, Chroma, Contrast, Wide Dynamic, Sharpen, NR, etc., adjustable through client software or web browser		
	ROI	Support		
Interface	Network	RJ45		
	Remote Monitoring	IE browsing, CMS remote control		
	Online Connection	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission		
	Network Protocol	TCP/IP, UDP, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP		
Function	Interface Protocol	ONVIF, GB-T/28181-2011		
runction	Storage	Network remote storage; TF card storage (up to 64GB)		
	Smart Alarm	Motion Alarm		
	PoE Power Supply	Support		
	IR Distance	30-50 m		
	Water-proof	IP66		
	Power Supply	DC12V/PoE		
	Power Consumption	< 4W (ICR OFF); < 8W (ICR ON)		
Others	Working Environment	-20℃~50℃, 10%~90% humidity		
	Dimension	Φ109mm×284mm		
	Weight (Net)	1091g		