



IPOD-SBS2IRV

SIBELL SERIES

- 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

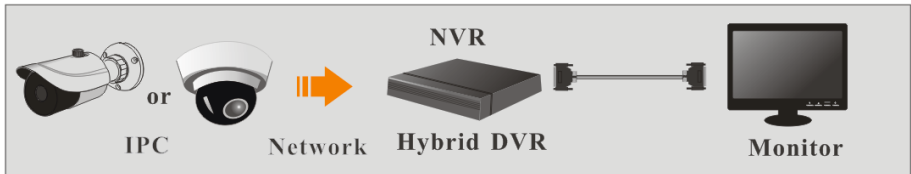
This IP-CAMERA (short for IP-CAM) is designed for high performance CCTV solutions. It adopts state of the art video processing chips. It utilizes most advanced technologies, such as video encoding and decoding technology, complies with the TCP/IP protocol, SoC, etc to ensure this system more stable and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

- ICR auto switch, true day/night
- 3D DNR, digital WDR
- ROI coding
- Support smart phone, iPad, remote monitoring

Surveillance Application



2 IE Remote Access

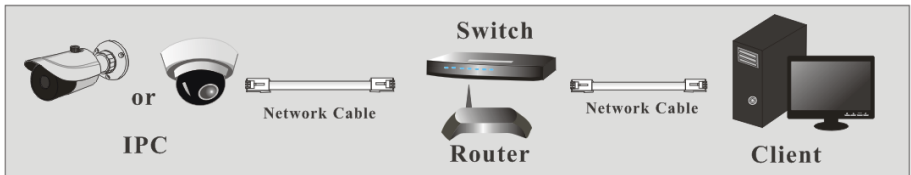
You may connect IP-Cam via LAN or WAN. Here only take IE browser (6.0) for example. The details are as follows:

2.1 LAN

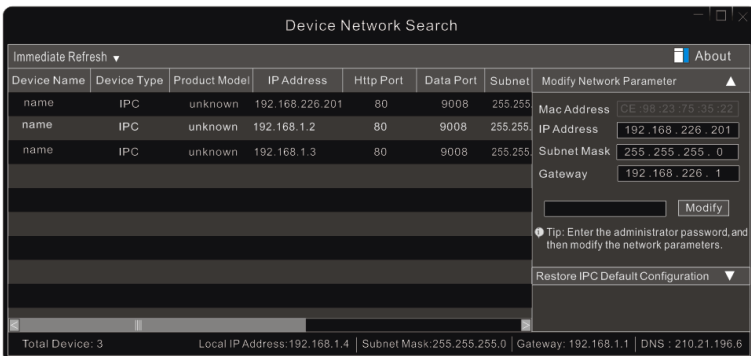
In LAN, there are two ways to access IP-Cam: 1. access through IP-Tool; 2. directly access through IE browser.

2.1.1 Access through IP-Tool

Network connection:



- 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 network segment as that of the computer. Please modify the IP address of your device according to the practical situation.

Modify Network Parameter

Mac Address: CE:98:23:75:35:22

IP Address: 192.168.1.201

Subnet Mask: 255.255.255.0

Gateway: 192.168.1.1

••••• Modify

For example, the IP address of your computer is 192.168.1.4. So the IP address of the camera shall be changed to 192.168.1.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 auto download the Active X control. After downloading, a login window will pop up as shown below.

webcam

Name: admin

Password: •••••

Stream Type: 1920x1080 25fps

Language: English

☒ Remember me

Login

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**

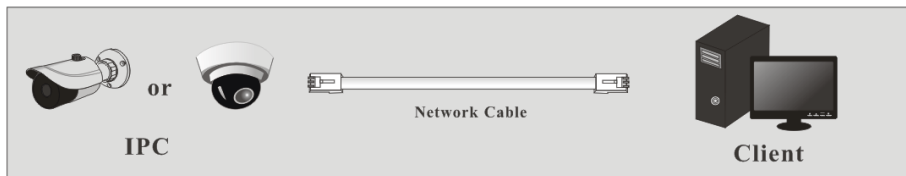
Subnet Mask: **255.255.255.0**

Gateway: **192.168.226.1**

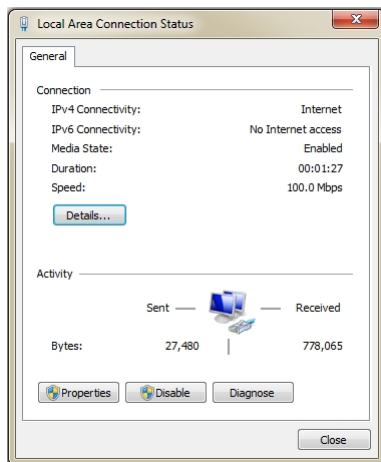
HTTP: **80**

Data port: **9008**

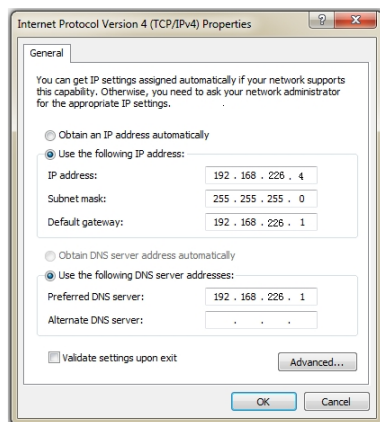
You may use the above default settings when you log in the camera for the first time. You may directly connect the camera to the computer through network cable.



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.



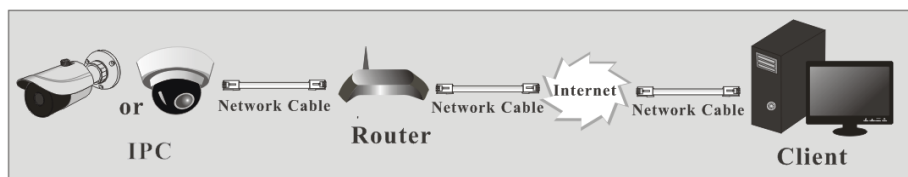
Select “Properties” and then select internet protocol according to the actual situation (for example: IPv4). Next, click “Properties” button to set the network of the PC.



- ② Open the IE browser and input the default address of IP-CAM and confirm. The IE browser will download Active X control automatically.
- ③ 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

➤ Access through the router or virtual server



- ① Make sure the camera is well connected via LAN and then log in the camera via LAN and go to Config→Network→Port menu to set the port number.

Port	Server	DDNS	RTSP	UPnP	Email
HTTP Port	80				
Data Port	9008				
RTSP Port	554				
Save					

Port Setup

- ② Go to Config→Network→TCP/IP menu to modify the IP address.

IPv4

IPv6

IP Change Notification Config

☐ Obtain an IP address automatically

☒ Use the following IP address

IP Address

192.168.226.201

Subnet Mask

255.255.255.0

Gateway

192.168.226.1

Preferred DNS Server

192.168.226.1

Alternate DNS Server

8.8.8.8

Save

IP Setup

- 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".

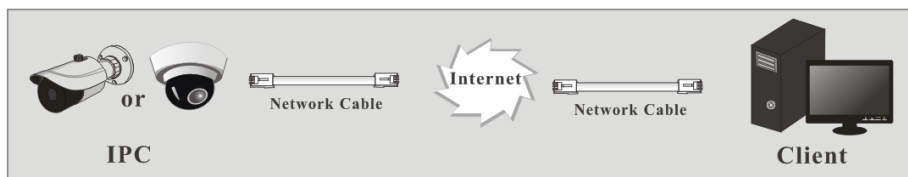
Port Range					
Application	Start	End	Protocol	IP Address	Enable
1	9007	to 9008	Both	192.168.1.201	☒
2	80	to 81	Both	192.168.1.201	☒
3	10000	to 10001	Both	192.168.1.166	☐
4	21000	to 21001	Both	192.168.1.166	☐

Router Setup

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

➤ Access through static IP

Network connection

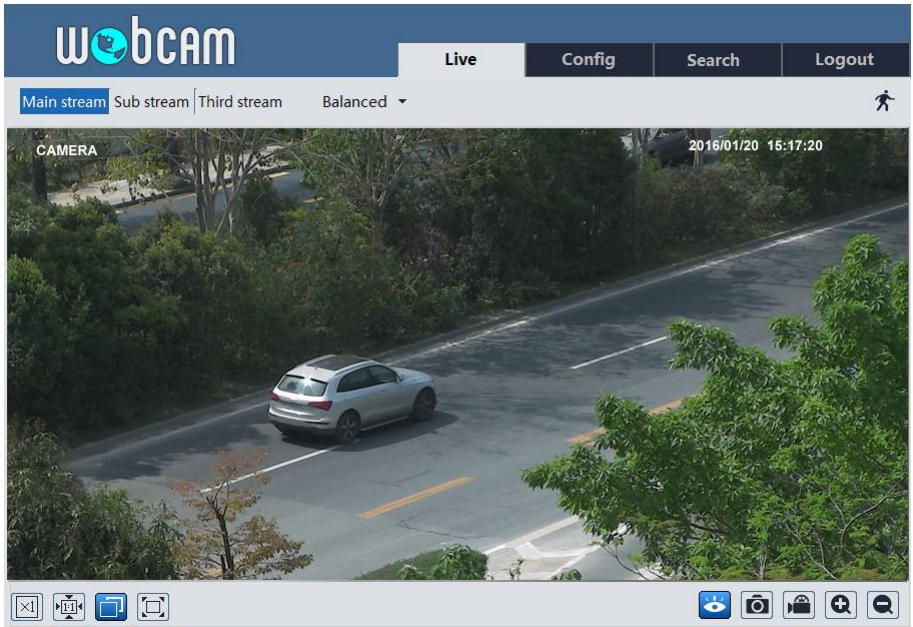


The setting steps are as follow:

- ① Go to Config→Network→Port menu to set the port number.
- ② Go to Config→Network→TCP/IP menu to set the IP address. Check “Use the following IP address” and then input the static IP address and other parameters.
- ③ Open the IE browser and input its WAN IP and http port to access.

3 Remote Preview

After you log in, you will see the following window.



The following table is the instructions of the icons on the remote preview interface.

Icon	Description	Icon	Description
	Motion alarm indicator icon		Start/stop live view
	Original size		Snap
	Appropriate size		Start/stop record
	Auto		Zoom in
	Full screen		Zoom out

- When motion detection alarm is triggered, the people icon will turn red.
- In full screen mode, double click to exit.

4 Remote Live Surveillance

4.1 System Configuration

The “System” configuration includes three submenus: Basic Information, Date and Time and Local Config.

4.1.1 Basic Information

In the “Basic Information” interface, you can check the relative information of the device.

Device Type	xxxx
Brand	Customer
Software Version	4.1.3.0(10885)
Software Build Date	2017-04-08
Kernel Version	20161128
Hardware Version	1.3
Onvif Version	2.3
OCX Version	1.1.4.9
MAC	00:18:ae:6f:91:00

4.1.2 Date and Time

Go to Config→System→Date and Time. Please refer to the following interface.

Zone	Date and Time
Time Zone:	GMT+08 (Beijing, Hong Kong, Shanghai, Taipei) ▼
☐ DST	

You can select the time zone and DST as required.
Click “Date and Time” tab to set the time mode.

Zone	Date and Time
Time Mode:	
☒ Synchronize with NTP server NTP server: time.windows.com	
☐ Synchronize with computer time Date: 2016-08-11 Time: 10:44:20	
☐ Set manually Date: 2016-08-11 10:44:13 Time: 10:44:13	
Save	

4.1.3 Local Config

Go to Config→System→Local Config. You can set the storage path of the captured pictures and video records. You can also enable or disable the video audio.

Picture Path	D:\Favorites	Browse
Record Path	D:\Favorites	Browse
Save		

4.2 Image Configuration

Image Configuration includes Display, Video/Audio, OSD, Video Mask and ROI Config.

4.2.1 Display Configuration

Go to Image→Display interface as shown below. You may set and adjust the picture's brightness, contrast, hue and saturation, etc.

	Brightness	<input type="range" value="25"/>	25	
	Contrast	<input type="range" value="50"/>	50	
	Hue	<input type="range" value="50"/>	50	
	Saturation	<input type="range" value="50"/>	50	
	WDR	☐	<input type="range" value="128"/>	128
	Sharpness	☐	<input type="range" value="50"/>	50
	Noise Reduction	☐	<input type="range" value="30"/>	30
	White Balance	Auto		
	Frequency	60HZ		
	Day/Night Mode	Auto		
	Sensitivity	Mid		
	Infra-red Mode	Auto		
Exposure Mode	Auto			
Image Mirror	☐ Enable ☒ Disable			
Image Flip	☐ Enable ☒ Disable			
Default Reset				

Brightness: Set the brightness level of the camera's image.

Contrast: Set the color difference between the brightest and darkest parts.

Hue: Set the total color degree of the image.

Saturation: Set the degree of color purity. The purer the color is, the brighter the image is.

WDR

◆ As to the WDR scene, WDR will help the camera provide clear images when there are both very bright and very dark areas simultaneously in the field of the view by lowering the brightness of the highlight area and increasing the brightness of the lowlight area. High, middle and low can be selected.

◆ There will be some record lost in a few seconds during mode changing from non-WDR to WDR mode.

Sharpness: Set the resolution level of the image plane and the sharpness level of the image edge.

Noise Reduction: Decrease the noise and make the image more thorough. Increasing the value will make the noise reduction effect better but it will reduce the image resolution.

White Balance: Adjust the color temperature according to the environment automatically.

Frequency: 50Hz and 60Hz can be optional.

Day/night Mode: Please choose the mode as needed.

Sensitivity: High, middle and low can be selected.

Infrared Mode: You may choose "ON", "OFF" and "Auto" as required.

Exposure Mode: You may choose "Auto" or "Manual" as required.

Image Mirror: Reverse the current video image right and left.

Image Flip: Turn the current video image upside down.

4.2.2 Video Configuration

Go to Image→Video interface as shown below. In this interface, you can set the resolution, frame rate, bitrate type, video quality and so on subject to the actual network condition.

Index	Stream	Resolution	Frame	Bitrate	Bitrate(Kbps)	Video	I Frame	Video	Profile
1	Main stre...	1920x1080	30	VBR	3072	Higher	60	H264	High Profile
2	Sub stream	352x240	30	VBR	512	Higher	60	H264	High Profile
3	Third stre...	704x480	30	CBR	768	Higher	60	H264	High Profile

Send Snapshot Size: (352x240)

☐ Video encode slice split

☐ Watermark Watermark content:

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.

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

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.

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 Compression: H264 and H265 are optional. Higher quality of image can be transferred under limited network bandwidth by using H265 video encoding, however, higher quality of the hardware is required.

Profile: Baseline, main/high profiles 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.

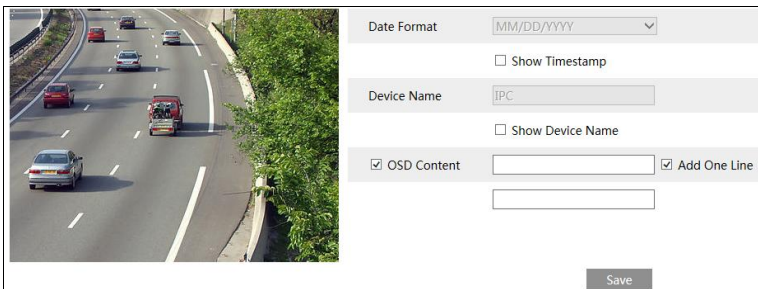
Send Snapshot: Please select it according to the actual situation.

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

Watermark: If enabled, input the watermark content. You may check the watermark when playing back the local record in the search interface, lest the record files is tampered.

4.2.3 OSD Configuration

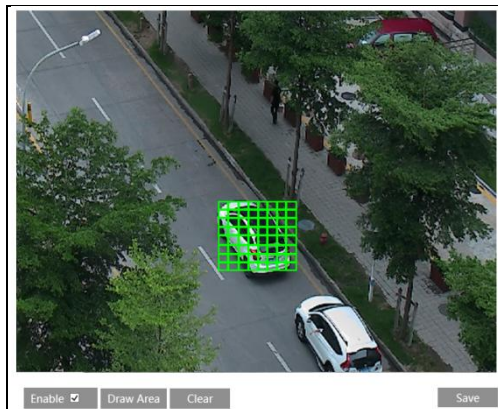
Go to Image→OSD interface as shown below.



You may set time stamp, device name and OSD content here. After enabling the corresponding display and entering the content, drag them to change their position. Then click “Save” button to save the settings.

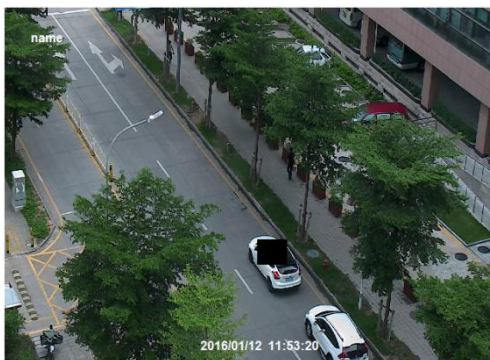
4.2.4 Video Mask

Go to Image→Video Mask interface as shown below. You can set 4 mask areas at most.



To set up video mask:

1. Enable video mask.
2. Click “Draw Area” 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.

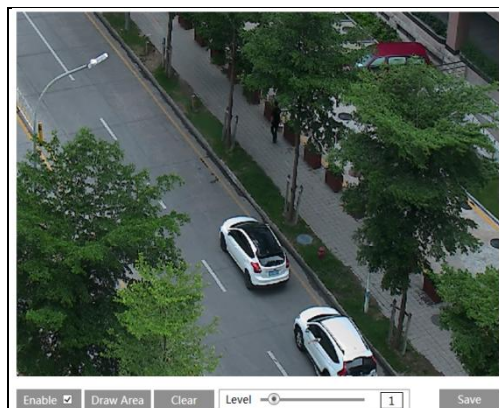


Clear the video mask:

Go to video mask interface and then click “Clear” button to delete the current video mask area.

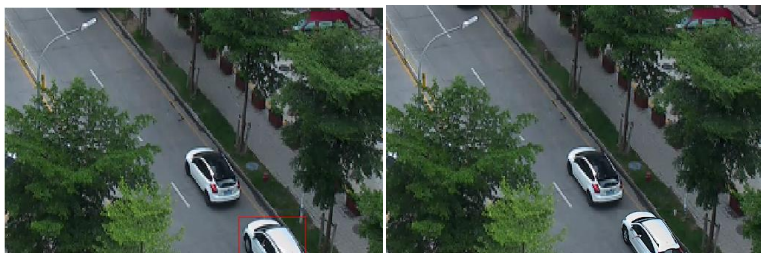
4.2.5 ROI Configuration

Go to Image→ROI Config interface as shown below.



1. Check “Enable” and then click “Draw Area” button.
2. Drag the mouse to set the ROI area.
3. Set the level.
4. 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 two submenus: Motion Detection and Alarm Server.

4.3.1 Motion Detection

Go to Alarm→Motion Detection to set motion detection alarm.

Alarm Config

Area and Sensitivity

Schedule

☒ Enable Alarm

Alarm Holding Time

20 Seconds

☐ Trigger Email

Save

1. Check “Enable Alarm” check box to activate motion based alarm, choose alarm holding time and set alarm trigger options.

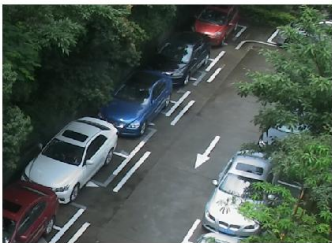
Trigger Email: If “Trigger Email” and “Attach Picture” checkbox is checked (email address shall be set first in the Email configuration interface), the captured pictures and triggered event will be sent into those addresses.

2. Set motion detection area and sensitivity. Click “Area and Sensitivity” tab to go to the interface as shown below.

Alarm Config

Area and Sensibility

Schedule



Sensitivity

Low

 High
 4

Draw

Add

Erase

Select All

Clear All

Invert

Save

Move the “Sensitivity” scroll bar to set the sensitivity.

Select “Add” and click “Draw” button and drag mouse to select the motion detection area;

Select “Erase” and drag the mouse to clear motion detection area.

After that, click “Save” to save the settings.

3. Set the schedule of the motion detection. Click “Schedule” tab to go to the interface as shown below.

Alarm Config
Area and Sensitivity
Schedule

☐ Erase
☒ Add

Week Schedule

Sun. 00:00-16:45 Manual Input

Mon. 00:00-11:15 Manual Input

Tues. 05:00-18:30 Manual Input

Wed. Manual Input

Thur. Manual Input

Fri. Manual Input

Sat. Manual Input

Holiday Schedule

Date 08-11 Add 08-11 Delete

00:00-24:00 Manual Input

Save

Week schedule

Set the alarm time from Monday to Sunday for alarm everyday in one week. The lengthwise means one day of a week; the rank means 24 hours of a day. Green means selected area. Blank means unselected area.

“Add”: Add the schedule for a special day.

“Erase”: Delete holiday schedule.

Day schedule

Set alarm time for alarm in some time of a special day, such as holiday.

Set a date at the “Date” box, click “Add” button to add that date to the list box on the right side and then drag the scroll bar to set the schedule of that day.

Select a date in the list box on the right side, and click “Delete” to remove the schedule on that day.

Click “Save” button to save the settings.

Note: Holiday schedule is prior to Week schedule.

4.3.2 Alarm Server

Go to Alarm→Alarm Server interface as shown below.

You may input the alarm server address and port. When the alarm happens, the camera will automatically transfer the alarm event to the alarm server. If the alarm server is not used, there is no need for you to configure here.

Server Address	
Port	0
OK	

4.4 Network Configuration

4.4.1 TCP/IP

Go to Config→Network→TCP/IP interface as shown below. There are two ways for network connection.

IPv4	IPv6	IP Change Notification Config
☐ Obtain an IP address automatically		
☒ Use the following IP address		
IP Address	192.168.226.201	
Subnet Mask	255.255.255.0	
Gateway	192.168.226.1	
Preferred DNS Server	192.168.226.1	
Alternate DNS Server	8.8.8.8	
Save		

Use IP address (take IPv4 for example)-There are two options for IP setup: obtain an IP address automatically by DHCP protocol and use the following IP address. Please choose one of the options for your requirements.

Click “IP Change Notification Config” to go to the interface as shown below.

IPv4	IPv6	IP Change Notification Config
☐ Trigger Email		
Save		

Trigger Email: when the IP address of the device is changed, a new IP address will be sent to the appointed mailbox automatically

4.4.2 Port

Go to Config→Network→Port interface as shown below. HTTP port, Data port and RTSP port can be set.

Port	Server	DDNS	RTSP	UPnP	Email
HTTP Port	80				
Data Port	9008				
RTSP Port	554				
Save					

HTTP Port: The default HTTP port is 80. It can be changed to any port which is not occupied.

Data Port: The default data port is 9008. Please change it as required.

RTSP Port: The default port is 554. Please change it as required.

4.4.3 Server Configuration

This function is mainly used for connecting network video management system.

Port	Server	DDNS	RTSP	UPnP	Email
☒ Enable					
Server Port		2009			
Server Address					
Device ID		1			
Save					

1. Check “Enable”.
2. Check the IP address and port of the transfer media server in the ECMS/NVMS. Then enable the auto report in the ECMS/NVMS when adding a new device. Next, input the remaining information of the device in the ECMS/NVMS. After that, the system will auto allot a device ID. Please check it in the ECMS/NVMS.
3. Input the above-mentioned server address, server port and device ID in the responding boxes. Click “Save” button to save the settings.

4.4.4 DDNS

Before you set the DDNS, please make sure you have registered a domain name on the DDNS server.

1. Go to Config→Network→ DDNS.

Port	Server	DDNS	RTSP	UPnP	Email
☒ Enable					
Server Type		mintdns ▼			
Server Address					
User Name					
Password					
Domain					
Save					

2. Apply for a domain name. Take www.dvrddns.com for example.

Input www.dvrddns.com in the IE address bar to visit its website. Then click “Registration” button.

NEW USER REGISTRATION	
USER NAME	XXXX
PASSWORD	•••••
PASSWORD CONFIRM	•••••
FIRST NAME	XXX
LAST NAME	XXX
SECURITY QUESTION.	My first phone number. ▼
ANSWER	XXXXXXXX
CONFIRM YOU'RE HUMAN	 New Captcha Enter the text you see above
Submit Reset	

Create domain name.

You must create a domain name to continue.

Domain name must start with (a-z, 0-9). Cannot end or start, but may contain a hyphen and is not case-sensitive.

dvrddns.com ▼

Request Domain

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

Search by Domain.

Click a name to edit your domain settings.

NAME	STATUS	DOMAIN
654321ABC	✓	654321abc.dvrdyns.com

Last Update: *Not yet updated* IP Address: 210.21.229.138

[Create additional domain names!](#)

3. Input the username, password, domain you apply for in the DDNS configuration interface.
4. Click “Save” button to save the settings.

4.4.5 RTSP

Go to Config→Network→RTSP.

Port Server DDNS **RTSP** UPnP Email

☒ Enable

Port

RTSP Address

☐ Allow anonymous login (No username or password required)

1. Select “Enable”.
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. Check “Allow anonymous login...”.

4.4.6 UPNP

If you enable this function, you can quickly access the camera via LAN and you don’t need to configure the port mapping when the camera is connected to the WAN via the router.

Go to Config→Network→UPnP. Enable UPnP and then input UPnP name.

Port Server DDNS RTSP **UPnP** Email

☒ Enable

UPnP Name

After you enable it and set the UPnP name, you will see the UPnP name by clicking “Network”

on the desktop of your computer which is in the same local area network. Then double click this name to access the camera quickly.

4.4.7 Email

If you need to trigger Email when an alarm happens or IP address is changed, please set the Email here first.

Go to Config→Network→Email.

Port	Server	DDNS	RTSP	UPnP	Email
Sender					
Sender Address		xxx@126.com			
User Name		xxx@126.com			
Password		•••••			
Server Address		smtp.126.com			
Secure Connection		Unnecessary ▼			
SMTP Port		25 Default			
☐ Send Interval(S)		0 (0-3600)			
		Clear Test			
Recipient					
xxx@126.com					
Recipient Address					
		Add Delete			

Sender Address: Sender's e-mail address.

User name and password: Sender's user name and password.

Server Address: The SMTP IP address or host name.

Select the secure connection type at the "Secure Connection" pull-down list according to actual needs.

SMTP Port: The SMTP port.

Send Interval(S): Set it as needed.

Click "Test" button to test the effectiveness of the account.

Recipient Address: Receiver's e-mail address.

4.5 Security Configuration

4.5.1 User Configuration

Go to Config→Security→User interface as shown below.

Add Modify Delete			
Index	User Name	User Type	Binding MAC
1	admin	Administrator	

Add user:

1. Click “Add” button to pop up the following textbox.

Add User ×

User Name

Password

Confirm Password

User Type

Administrator ▼

Bind MAC

00:00:00:00:00:00 ☐

OK

Cancel

2. Input user name in “User Name” textbox.
3. Input letters or numbers in “Password” and “Confirm Password” textbox.
4. Choose the use type.
5. Input the MAC address of the PC in “Bind MAC” textbox.

After binding physical address to the IP-CAM, you can access the device on this PC only. If the MAC address was “00:00:00:00:00:00” which means it can be connected to any computers.

6. Click “OK” button and then the new added user will display in the user list.

Modify user:

1. Select the user you need to modify password and physical address in the user configuration list box.
2. The “Edit user” dialog box pops up by clicking “Modify” button.

Edit User [X]

☒ Modify Password

User Name: admin

Old Password: []

New Password: []

Confirm Password: []

Bind MAC: 00:00:00:00:00:00 ☐

OK Cancel

3. Input old password of this user in the “Old Password” text box.
4. Input new password in the “New password” and “Confirm Password” text box.
5. Input computer’s MAC address as required.
6. Click “OK” button to save the settings.

Delete user:

1. Select the user you want to delete in the user configuration list box.
2. Click “Delete” button to delete the user.

Note: The default super administrator cannot be deleted.

4.5.2 Online User

Go to Config→Security→Online User. You can view the user who is viewing the live video.

4.5.3 Block and Allow Lists

Go to Config→Security→Block and Allow Lists interface as shown below.

IP Address Filter Settings

☒ Enable IP address filtering

☒ Block the following IP address
 ☐ Allow the following IP address

Add

Delete

☒ IPv4
 ☐ IPv6

Block the following MAC Address

☒ Enable MAC address filtering

☒ Block the following MAC address
 ☐ Allow the following MAC address

Add

Delete

Save

Setting steps are as follows:

Check “Enable IP address filtering” check box.

Select “Block the following IP address”, input IP address in the IP address list box and click “Add” button. The operation step of “Allow the following IP address” and MAC address filter settings are the same with “Block the following IP address”.

After you set the IP address or MAC address, the system will block or allow the user using the added IP address or MAC address to access the camera.

4.6 Maintenance Configuration

4.6.1 Backup and Restore

Go to Config→Maintenance→Backup & Restore.

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The screenshot shows a web interface with three main sections: 'Import Setting', 'Export Settings', and 'Default Settings'. The 'Import Setting' section has a 'Path' input field with a 'Browse...' button next to it, and an 'Import Setting' button below. The 'Export Settings' section has an 'Export Settings' button. The 'Default Settings' section has a 'Load Default' button.

● Import & Export Settings

You can import or export the setting information from PC or to device.

1. Click “Browse” to select save path for import or export information on PC.
2. Click “Import Setting” or “Export Setting” button.

● Default Settings

Click “Load Default” button to restore all system settings to default status.

4.6.2 Reboot

Go to Config→Maintenance→Reboot.

Click “Reboot” button to reboot the device.

Timed Reboot Setting:

Enable “Time Settings”, set the date and time and then click “Save” button to save the settings.

4.6.3 Upgrade

Go to Config→Maintenance→Upgrade. In this interface, you can upgrade the system.

The screenshot shows a web interface titled 'Upgrade System'. It has a 'Path' input field with a 'Browse' button next to it. Below the input field is an 'Upgrade' button.

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

Caution! You can’t disconnect to PC or close the IP-CAM during upgrade.

4.6.4 Operation Log

To query and export log:

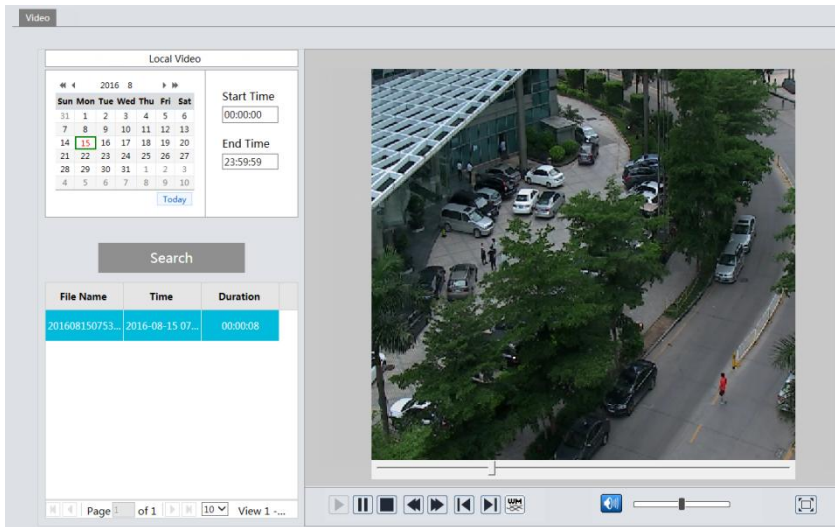
1. Go to Config→Maintenance→Operation Log.

Main Type:	All log	Sub Type:	All log		
Start Time:	2015-07-14 00:00:00	End Time:	2015-07-14 23:59:59	Search	Export
Index	Time	Main Type	Sub Type	User Name	Login IP
1	2015-07-14 11:15:18	Operation	Log in	admin	192.168.12.53
2	2015-07-14 11:12:02	Exception	Disconnected		192.168.12.53
3	2015-07-14 19:12:17	Exception	Disconnected		192.168.12.52

2. Select the main type, sub type, start and end time.
3. Click “Search” to view the operation log.
4. Click “Export” to export the operation log.

5 Record Search

Click Search to go to the interface as shown below. You can play the local video record. Before playing, please set the storage path of the video record in the local configuration interface and make sure there are record files.



Choose the date and the start time and end time and then click “Search” button to search the record files. Double click the record file to play the record. The descriptions of the buttons on the playback interface are as follows.

Icon	Description	Icon	Description
	Play button. After pausing the video, click this button to continue playing.		Pause button.
	Stop button.		Speed down.
	Speed up.		Click it to play the previous record.
	Click it to play the next record.		Open/close watermark.
	Click it to enable / disable audio; drag the slider to adjust the volume after enabling audio.		Full screen. Click it to display full screen. Double click to exit full screen.

Appendix 1 Q& A

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

A : Reset the device to the default factory settings.

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. 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.

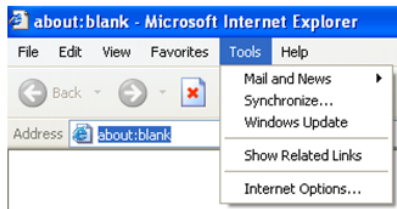
Q : IP tool cannot search devices, why?

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 as below.

① Open IE browser. Click Tools-----Internet Options....

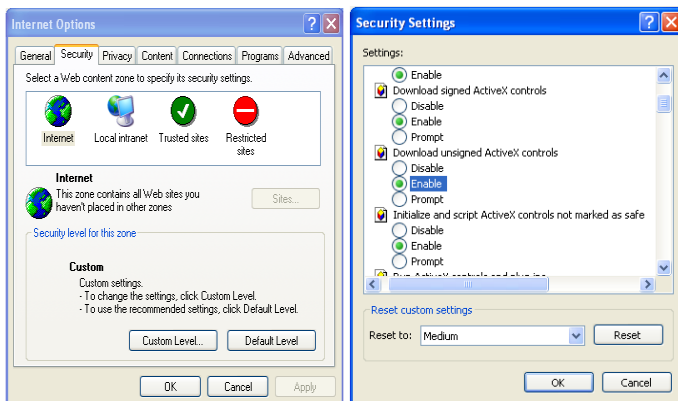


② Select Security-----Custom Level....

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.



Appendix 2 Specifications

Specification /Model		 20m IR Water-proof Bullet Network Camera
Camera	Image Sensor	1/2.8 " CMOS
	Image Size	1920×1080
	Electronic Shutter	1/25s~1/100000s
	Iris Type	Fixed Iris
	Min. Illumination	Color: 0.002lux@F=1.2 , AGC ON; Black& White: 0.0002@F=1.2
	Lens	2.8mm@F1.6 , H.FOV:107 °
		3.6mm@F1.6 , H.FOV:85.8 °
	Lens Mount	M12
	Day&Night	ICR
	WDR	Digital WDR
	Digital NR	3D DNR
	Angle Adjustment	Any angle
Image	Video Compression	H.264/MJPEG
	H.264 Type	Baseline profile/main profile/high profile
	Video Bit Rate	128Kbps~6Mbps
	Resolution	1080P (1920 × 1080), 720P (1280×720), D1, CIF, 480×240
	Main Stream	60Hz: 1080P(1~30fps) /720P(1~30fps)
		50Hz: 1080P(1~25fps) /720P(1~25fps)
	Image Settings	Saturation, Brightness, Chroma, Contrast, Wide Dynamic, Sharpen, NR, etc. adjustable through client or web browser
Interfaces	ROI	Support
	Network	RJ45
Fucntion	Remote Monitoring	IE browser, CMS remote control
	Online Connection	Support simultaneous monitoring for up to 3 users and multi-stream transmission
	Network Protocol	TCP/IP, UDP, DHCP, NTP, RTSP, DDNS, SMTP
	Interface Protocol	ONVIF
	Storge	Network remote storage
	Smart Alarm	Motion alarm
Others	IR Distance	10~20 m
	Protection Grade	IP66
	Power	DC12V/PoE
	Power Consumption	< 2W(ICR OFF); < 5W(ICR ON)
	Operating Environment	Temperature: -20 ℃~50 ℃; Relative humidity: 10%~90%
	Dimension (mm)	Ø70mm×156mm
	Weight	350g
	Installation	Wall mounting; pendent mounting

Specification /Model		 30m IR Water-proof Bullet Network Camera		 30m IR Water-proof Bullet Network Camera	
Camera	Image Sensor	1/2.8 " CMOS			
	Image Size	1920×1080			
	Electronic Shutter	1/25s~1/10000s			
	Iris Type	Fixed Iris			
	Min. Illumination	Color: 0.002lux@F=1.2 , AGC ON; Black& White: 0.0002@F=1.2			
	Lens	2.8mm @F1.6, H.FOV:107 ° 3.6mm @F1.6, H.FOV: 85.8 ° 6mm @F1.6, H.FOV:52.6 °	2.8-12mm @F1.4-2.8, H.FOV: 95.7 °35.9 °	2.8mm @F1.6, H.FOV:107 ° 3.6mm @F1.6, H.FOV: 85.8 ° 6mm @F1.6, H.FOV:52.6 °	2.8-12mm @F1.4-2.8, H.FOV: 95.7 °35.9 °
	Lens Mount	M12	Ø14	M12	Ø14
	Day&Night	ICR			
	WDR	Digital WDR			
	Digital NR	3D DNR			
	Angle Adjustment	Any angle			
	Image	Video Compression	H.264/MJPEG		
H.264 Type		Baseline profile/main profile/high profile			
Video Bit Rate		128Kbps~6Mbps			
Resolution		1080P (1920 × 1080), 720P (1280×720), D1, CIF, 480×240			
Main Stream		60Hz: 1080P(1~30fps) /720P(1~30fps) 50Hz: 1080P(1~25fps) /720P(1~25fps)			
Image Settings		Saturation, Brightness, Chroma, Contrast, Wide Dynamic, Sharpen, NR, etc. adjustable through client or web browser			
ROI		Support			
Interface s	Network	RJ45			
Fucntion	Remote Monitoring	IE browser, CMS remote control			
	Online Connection	Support simultaneous monitoring for up to 3 users and multi-stream transmission			
	Network Protocol	TCP/IP, UDP, DHCP, NTP, RTSP, DDNS, SMTP			
	Interface Protocol	ONVIF			
	Storge	Network remote storage			
	Smart Alarm	Motion alarm			
Others	IR Distance	20~30 m			
	Protection Grade	IP66			
	Power	DC12V/PoE			
	Power Consumption	< 3W(ICR OFF); <6W(ICR ON)			
	Operating Environment	Temperature: -20 ℃~50 ℃; Relative humidity: 10%~90%			
	Dimension (mm)	Ø 87mm×219mm	Ø 87mm×221mm	Ø 87mm×219mm	Ø 87mm×221mm
	Weight	583g	624g	583g	624g
Installation	Wall mounting; pendent mounting				

Specification /Model		 IR Water-proof Bullet Network Camera		
Camera	Image Sensor	1/2.8 " CMOS		
	Image Size	1920×1080		
	Electronic Shutter	1/25s~1/100000s		
	Auto Iris	Fixed Iris		
	Min. Illumination	Color: 0.002lux@F=1.2 , AGC ON; Black& White: 0.0002@F=1.2		
	Lens	3.6mm@F1.6, H.FOV: 85.8 °(6mm, 8mm, 12mm,16mm optional)		
	Lens Mount	M12		
	Day&Night	ICR		
	WDR	Digital WDR		
	Digital NR	3D DNR		
Image	Video Compression	H.264/MJPEG		
	H.264 Type	Baseline profile/main profile/high profile		
	Video Bit Rate	128Kbps~6Mbps		
	Resolution	1080P (1920 × 1080), 720P (1280 ×720), D1, CIF, 480×240		
	Main Stream	60Hz: 1080P(1~30fps) /720P(1~30fps) 50Hz: 1080P(1~25fps) /720P(1~25fps)		
	Image Settings	Saturation, Brightness, Chroma, Contrast, Wide Dynamic, Sharpen, NR, etc. adjustable through client or web browser		
	ROI	Support		
Interface s	Network	RJ45		
Fucntion	Remote Monitoring	IE browser, CMS remote control		
	Online Connection	Support simultaneous monitoring for up to 3 users and multi-stream transmission		
	Network Protocol	TCP/IP, UDP, DHCP, NTP, RTSP, DDNS, SMTP		
	Interface Protocol	ONVIF		
	Storage	Network remote storage		
	Smart Alarm	Motion alarm		
Others	IR Distance	20~30 m	30~50 m	70~100 m
	Protection Grade	IP66		
	Power	DC12V (PoE power supply optional)		
	Power Consumption	< 3W(ICR OFF); < 5W(ICR ON)	< 3W(ICR OFF); < 6W(ICR ON)	< 3W(ICR OFF); < 7W(ICR ON)
	Operating Environment	Temperature: -20 ℃~50 ℃; Relative humidity:10%~90%		
	Dimension (mm)	99×188×86 (W×D×H)		
	Weight	514g		
	Installation	Wall mounting		

Specification /Model		 20m IR Water-proof Dome Network Camera	 20m IR Water-proof Dome Network Camera
Camera	Image Sensor	1/2.8 " CMOS	
	Image Size	1920×1080	
	Electronic Shutter	1/25s~1/100000s	
	Auto Iris	Fixed Iris	
	Min. Illumination	Color: 0.002lux@F=1.2 , AGC ON; Black& White: 0.0002@F=1.2	
	Lens	2.8mm @ F1.6(H.FOV:107 °)/3.6mm @ F1.6(H.FOV:85.8 °)/6mm(H.FOV:52.6 °)	
	Lens Mount	M12	
	Day&Night	ICR	
	WDR	Digital WDR	
	Digital NR	3D DNR	
	Angle Adjustment	Any angle	
Image	Video Compression	H.264/MJPEG	
	H.264 Type	Baseline profile/main profile/high profile	
	Video Bit Rate	128Kbps~6Mbps	
	Resolution	1080P (1920 × 1080), 720P (1280 × 720), D1, CIF, 480 × 240	
	Main Stream	60Hz: 1080P(1~30fps) /720P(1~30fps) 50Hz: 1080P(1~25fps) /720P(1~25fps)	
	Image Settings	Saturation, Brightness, Chroma, Contrast, Wide Dynamic, Sharpen, NR, etc. adjustable through client or web browser	
	ROI	Support	
Interface s	Network	RJ45	
Fucntion	Remote Monitoring	IE browser, CMS remote control	
	Online Connection	Support simultaneous monitoring for up to 3 users and multi-stream transmission	
	Network Protocol	TCP/IP, UDP, DHCP, NTP, RTSP, DDNS, SMTP	
	Interface Protocol	ONVIF	
	Storge	Network remote storage	
	Smart Alarm	Motion alarm	
Others	IR Distance	10~20 m	
	Protection Grade	IP66	
	Power	DC12V (PoE power supply optional)	
	Power Consumption	< 2W(ICR OFF); <4W(ICR ON)	
	Operating Environment	Temperature: -20 ℃~50 ℃; Relative humidity:10%~90%	
	Dimension (mm)	Ø87mm×108mm	Ø84.3mm×94.6mm
	Weight (net)	401g	417g
	Installation	Pendent mounting (wall mounting available with junction box and bracket)	

Specification /Model		 30m IR Water-proof Dome Network Camera	 30m IR Water-proof Dome Network Camera
Camera	Image Sensor	1/2.8 " CMOS	
	Image Size	1920×1080	
	Electronic Shutter	1/25s~1/100000s	
	Auto Iris	Fixed Iris	
	Min. Illumination	Color: 0.002lux@F=1.2 , AGC ON; Black& White: 0.0002@F=1.2	
	Lens	2.8-12mm @F1.4-2.8 (H.FOV: 95.7 °×35.9 °)	
	Lens Mount	Ø14	
	Day&Night	ICR	
	WDR	Digital WDR	
	Digital NR	3D DNR	
	Angle Adjustment	Any angle	
Image	Video Compression	H.264/MJPEG	
	H.264 Type	Baseline profile/main profile/high profile	
	Video Bit Rate	128Kbps~6Mbps	
	Resolution	1080P (1920 × 1080), 720P (1280 ×720), D1, CIF, 480×240	
	Main Stream	60Hz: 1080P(1~30fps) /720P(1~30fps) 50Hz: 1080P(1~25fps) /720P(1~25fps)	
	Image Settings	Saturation, Brightness, Chroma, Contrast, Wide Dynamic, Sharpen, NR, etc. adjustable through client or web browser	
	ROI	Support	
Interface s	Network	RJ45	
Fucntion	Remote Monitoring	IE browser, CMS remote control	
	Online Connection	Support simultaneous monitoring for up to 3 users and multi-stream transmission	
	Network Protocol	TCP/IP, UDP, DHCP, NTP, RTSP, DDNS, SMTP	
	Interface Protocol	ONVIF	
	Storge	Network remote storage	
	Smart Alarm	Motion alarm	
Others	IR Distance	20~30 m	
	Protection Grade	IP66	
	Power	DC12V/PoE	
	Power Consumption	< 3W(ICR OFF); <5W(ICR ON)	
	Operating Environment	Temperature: -20 ℃~50 ℃; Relative humidity: 10%~90%	
	Dimension (mm)	Ø109mm×130mm	Ø120.4mm×102.5mm
	Weight (net)	687g	684g
	Installation	Pendent mounting (wall mounting available with junction box and bracket)	