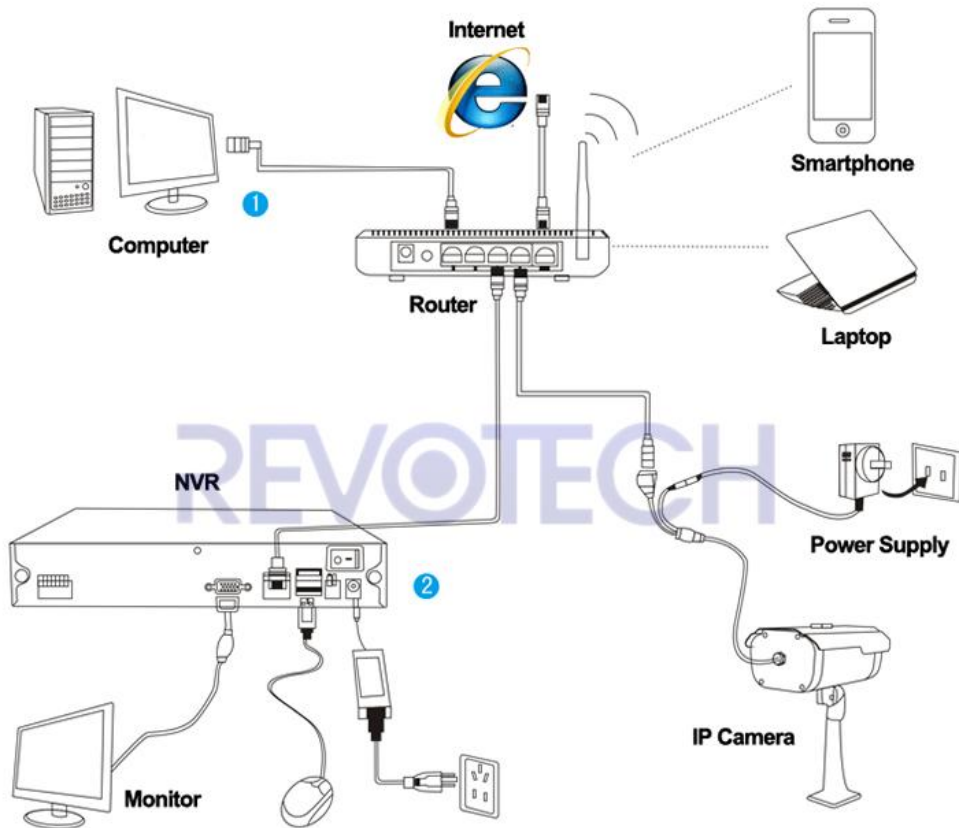# IP Camera

Simple Instruction

1. Overview

An IP camera (hereinafter referred to as IPC) is a new product integrating network video technologies into a traditional camera. The IPC can realize simpler monitoring (particularly remote monitoring), easier construction and maintenance, better audio and alarm linkage, more flexible record storage, more enriched product selection, much clearer video effect, and more perfect monitoring management. In addition, the IPC supports access by WiFi, 3G and optical fiber, and PoE (Power over Ethernet, or network power supply).

With the rapid development of network, network products have gradually spread to every corner of our life. The developing and innovative IPC has been widely applied to the education, commerce, medical treatment, public services, and other fields.

Common audio and video cameras used at the places such as banks, supermarkets, companies, residences, and households have gradually replaced by IPCs whose videos can be uploaded to the network. You can view public or private real-time pictures or dynamic videos at home or any place where network is available.

Integrated Monitoring System

❶ System 1: Camera + Power Supply + Router + Computer/ Laptop

❷ System 2: Camera + Power Supply + Router + NVR + Monitor

2. How to login the website to check the camera?
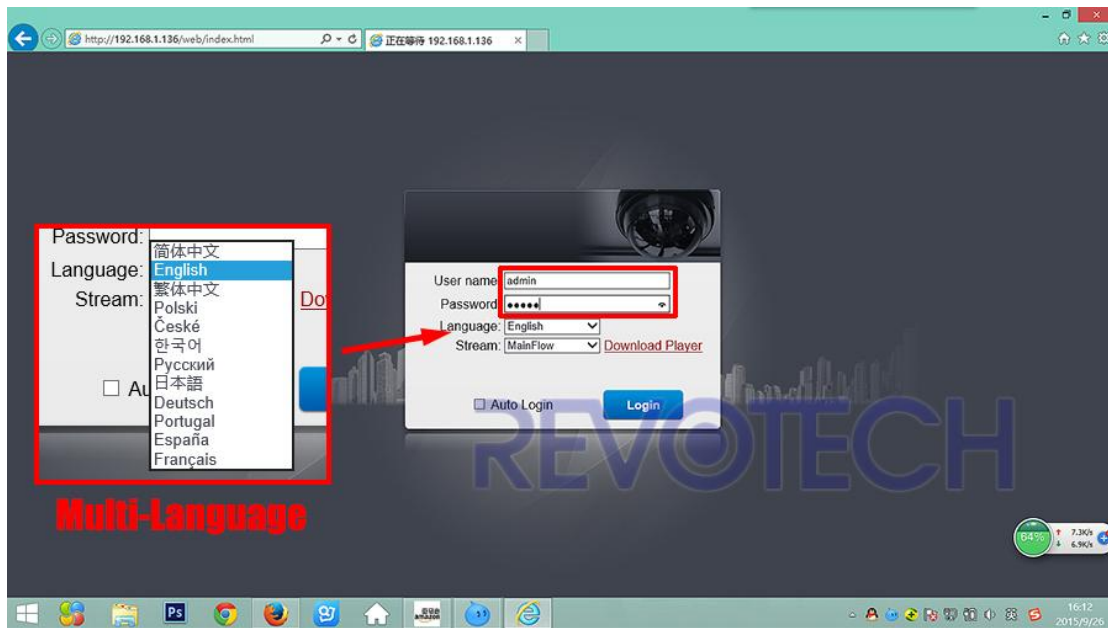
1. Connect the camera.

Connect the camera with power supply and network cable.

(Note: 12V/2A power adapter will be better.)

2. Login

Default IP Address : 192.168.1.136

(1). Open a browser, and input the IP address 192.168.1.136.

(2). User name: admin; Password: admin
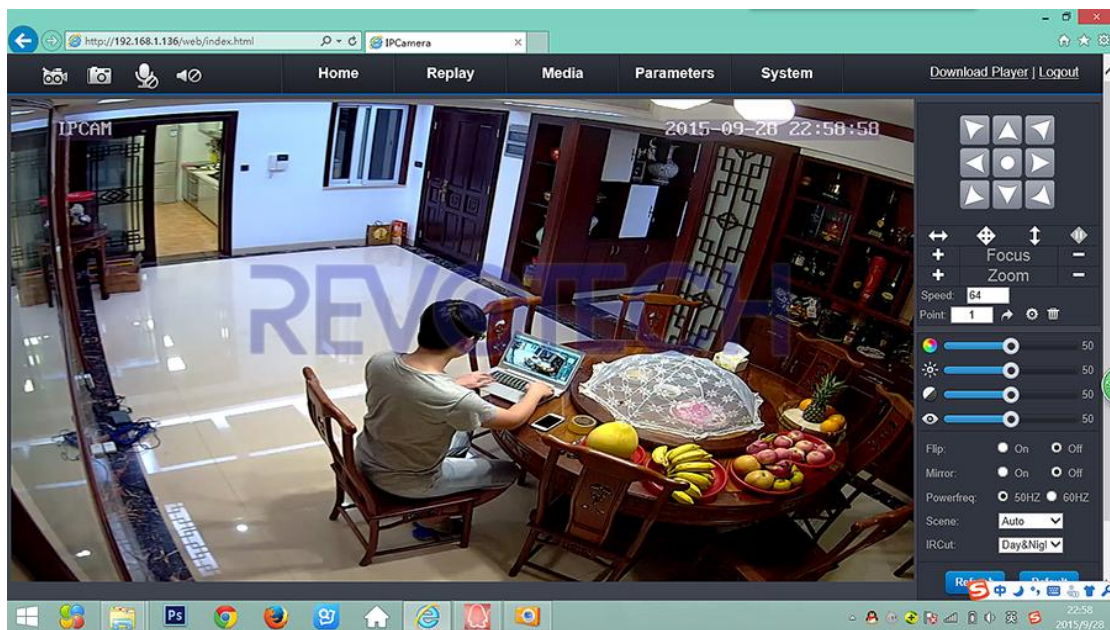
(3). Click "Login".

(**Note:** 1. We recommend IE browser. 2. If you can not connect with 192.168.1.136 IP address, please check **7.1 & 7.2** in this user manual.)

3. Download Player

When you login in in first time, you need to download the player and then you can check the video.

When you login in in first time, you need to download the player to play the video of the camera.
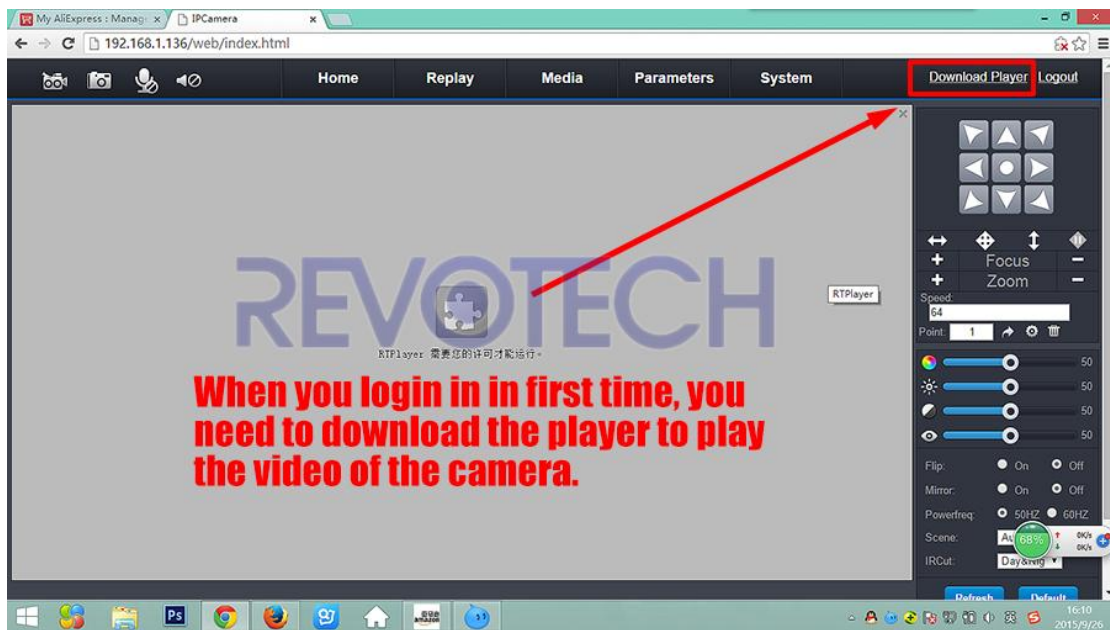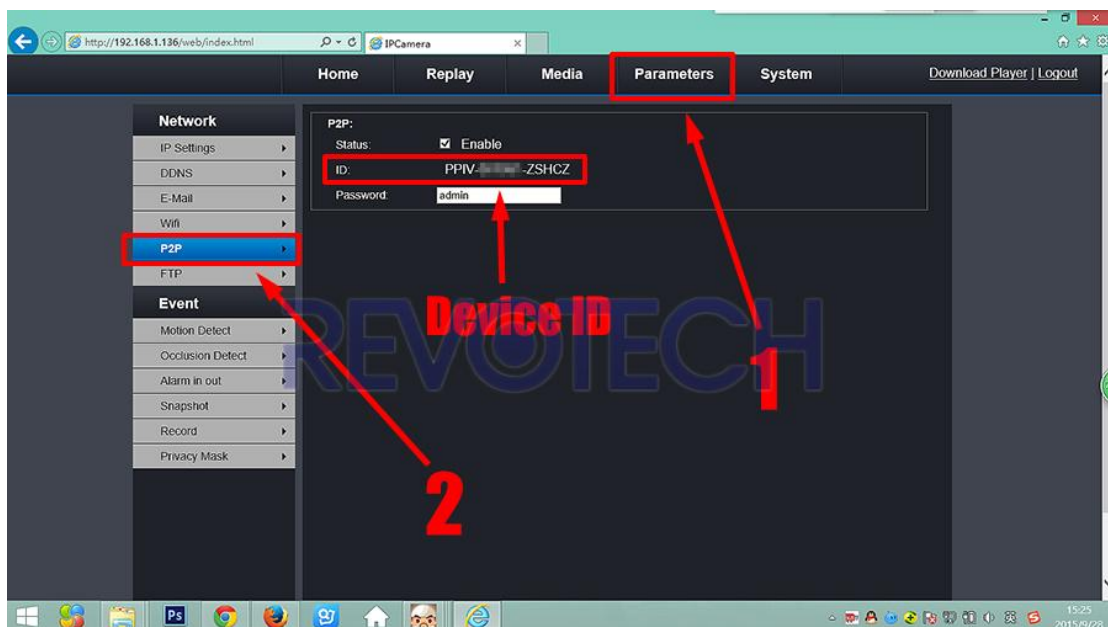
4. You can check the video now.

3. What is Device ID and how to get it?

Device ID is a unique ID of our IP Camera, we can use it to connect with the CMS Software and smartphone.

We can get it from the camera website.

Path: Parameter - P2P

Please check this picture:

4. How to make the camera connect with WIFI?

(1) Click "Parameters".

(2) And the find the "Wifi" and click it.

(3) Click "Search" and search the wifi that the camera can find.

(4) Find the wifi that you need to connect and click it.

(5) Input the wifi information.

(6) Click "Select", then the camera will connect with the wifi.

(7) Click "Apply", and then wait for a few second. The page will refresh and then you can put out the network cable.
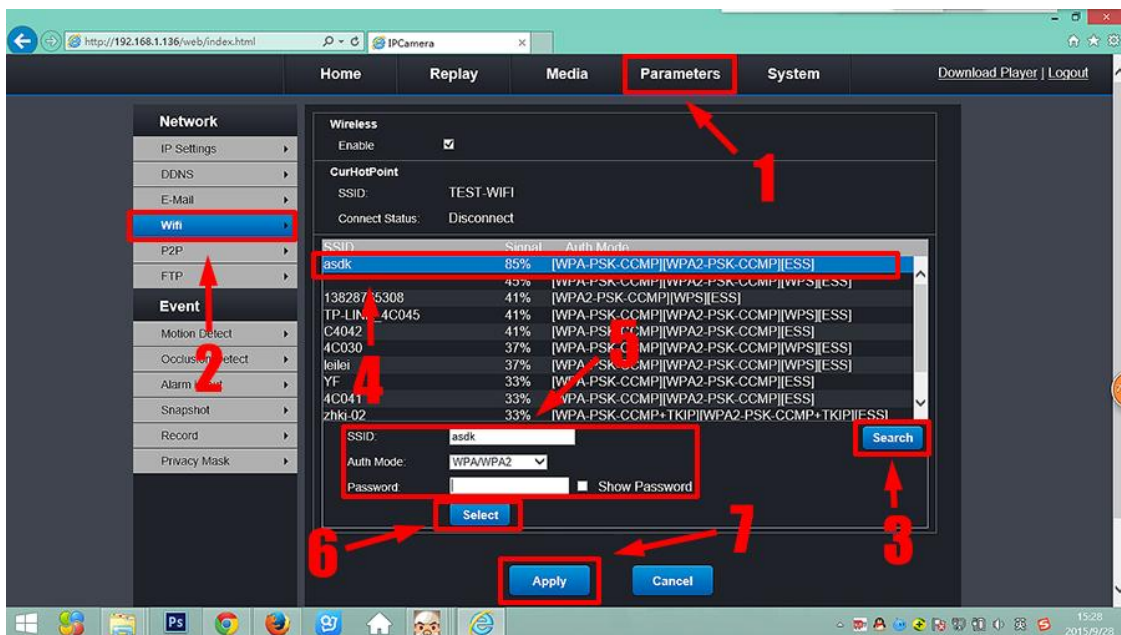
5. How to download the use the CMS Software?

1. Install the Software

Uncompress and install the software in the CD that send with the camera, please choose English language.

2. Connecting

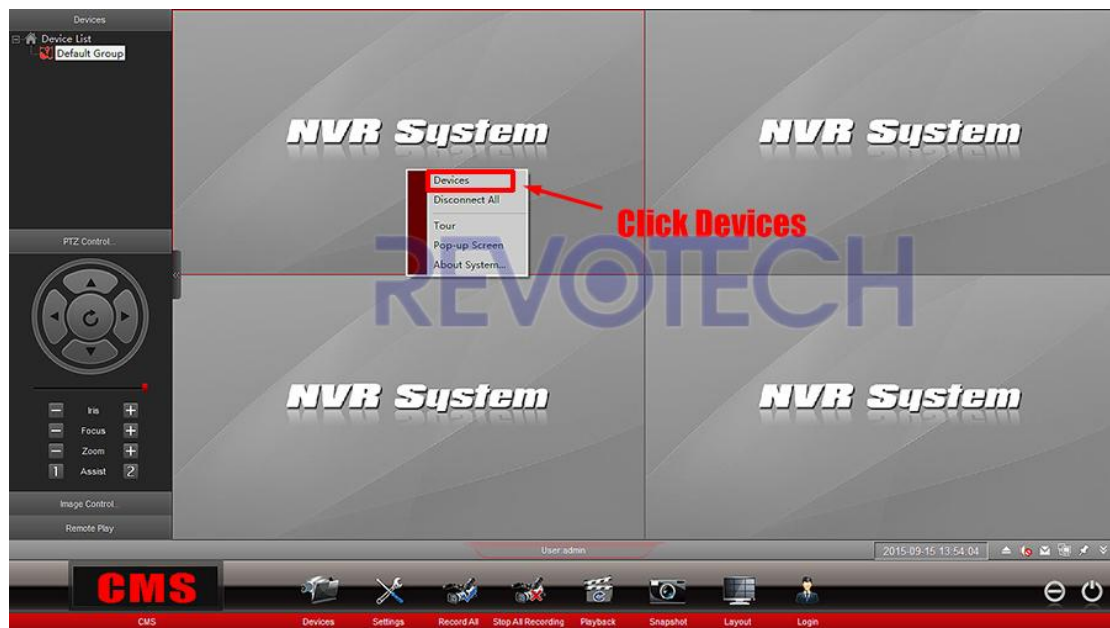(1) When you open the software, it will auto search and connect with the devices in the LAN.

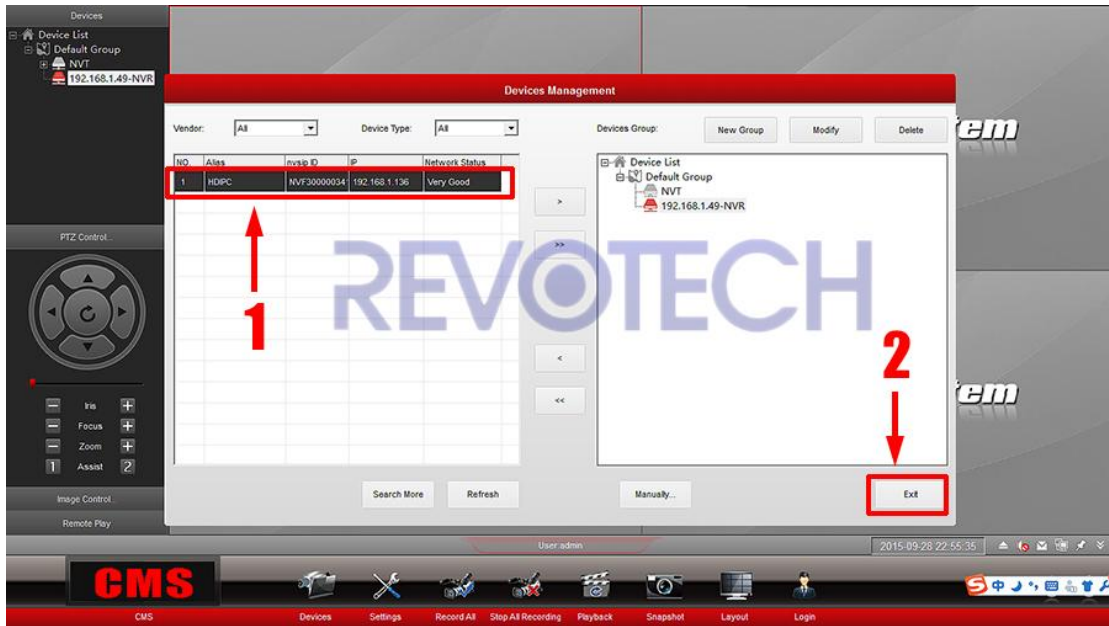(2) If it do not connect automatically, you need to connect yourself. Click any button and it need to login.

User name is "admin" and the password is nothing, you do not need to input anything, just click "ok".

(3) Right click, and click Devices.

(4) First Way: Find your camera and double click it and then click "exit".

(5) Right click the Device that you just add, and click "Connect Device".
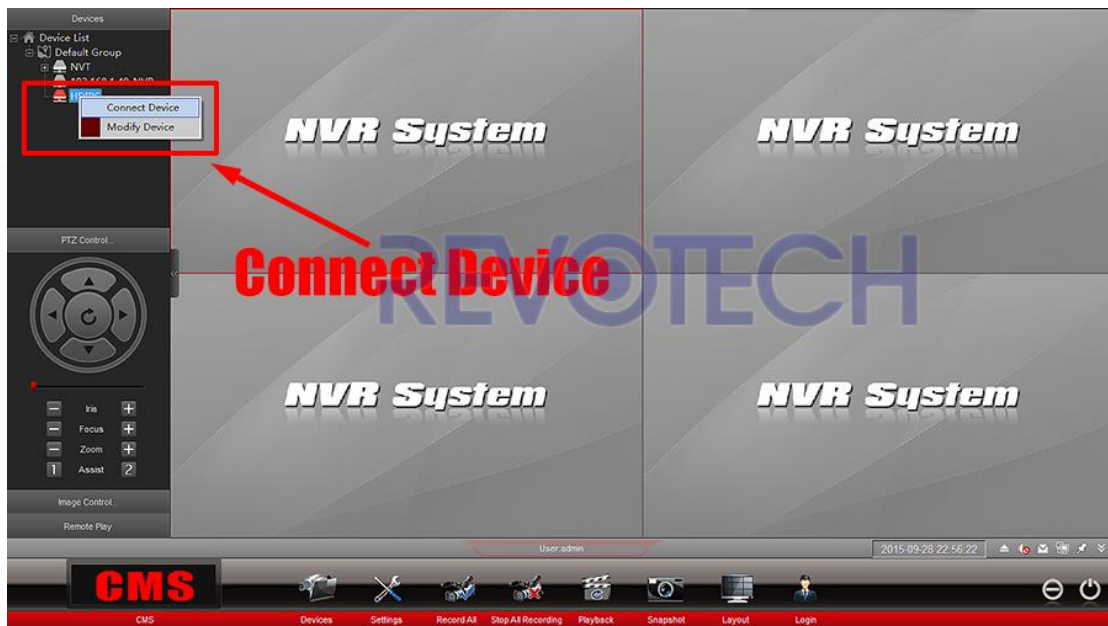
(6) You can check the Video of your IP Camera now.

6. How to download the use the Smartphone APP?

1. Download and Install

Go to Apple Store or Google Play, search "P2PWIFICAM2", and then download and install it.
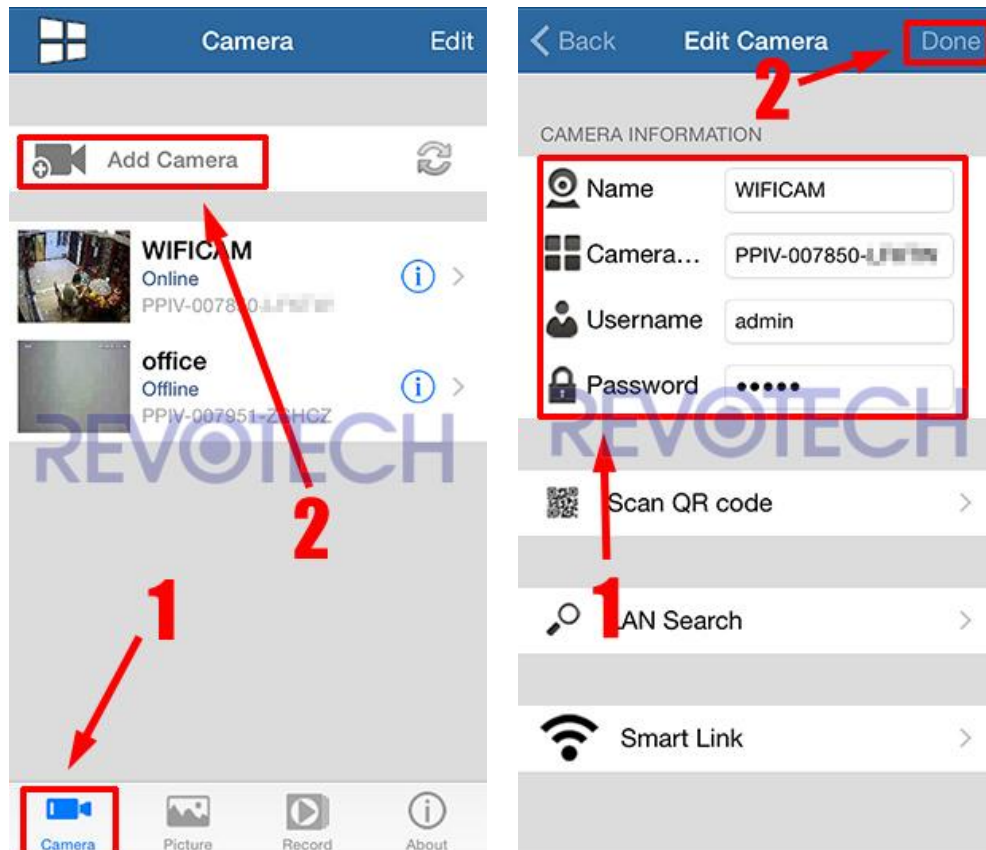
Or you can scan this two-dimension code to download it.

Android

iPhone

Code : 90c5

2. Open the APP and Add a Device

(1) Click "Camera" and then click "Add Camera".

(2) Input the information:

Device: Device ID;   Nickname: Anything you want;   Username: admin;   Password: admin

And then click "Done".

3. Find your device and connect it.

Find the device that you just add, and then click it.

7. IP Address Problem

7.1 IP Conflict Problem

IP Conflict with computer

The default IP address of the camera sometimes will be the same as the IP address of the computer, so you may need to set the computer as follows:

Select Start > Control Panel > Network Connections > Local Area

Connections > Properties, and on the pop-up screen, click Internet

Protocol (TCP/IP) > Properties, select Use the following IP address,

type the IP address 192.168.1.X (X ranging from 2 to 10 is recommended) and

the subnet mask 255.255.255.0, and click OK.

And then you can connect with the IP camera with the default IP address.

IP Conflict with other IP camera.

All of this IP camera have same default IP (192.168.1.136), if you want to

connect more than two IP cameras in the same time, you need to change the IP

address for the cameras.

(1) Login in the website of the IP Camera and click "Parameter".

(2) Cilck "IP Settings".

(3) Input a different IP address of what you want (like 192.168.1.111).

(4) Click "Apply", the IP address of this IP camera is changed to new IP address
after that.
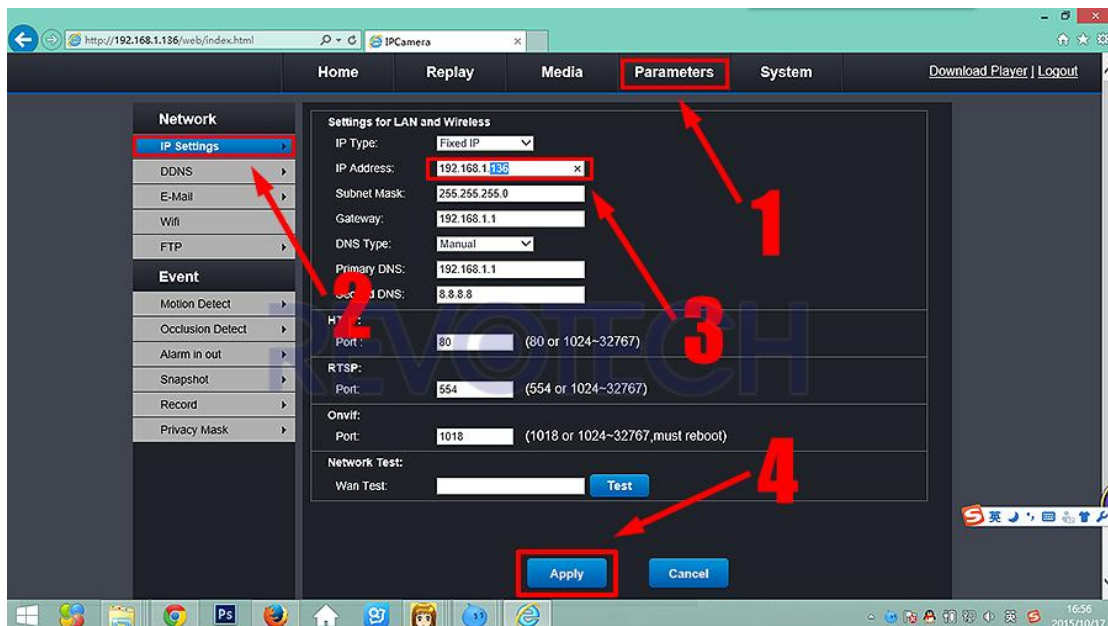
7.2 Network Segment Problem

Our camera is default IP address : 192.168.1.136
If your computer is not in the same network segment with the camera, then we can not login in the camera in the browser with the IP address. (For example, the IP address of your computer is 192.168.0.11).

You need to change the IP address of the computer or the IP address of the camera to let them in the same network segment, and then you can connect with our camera.
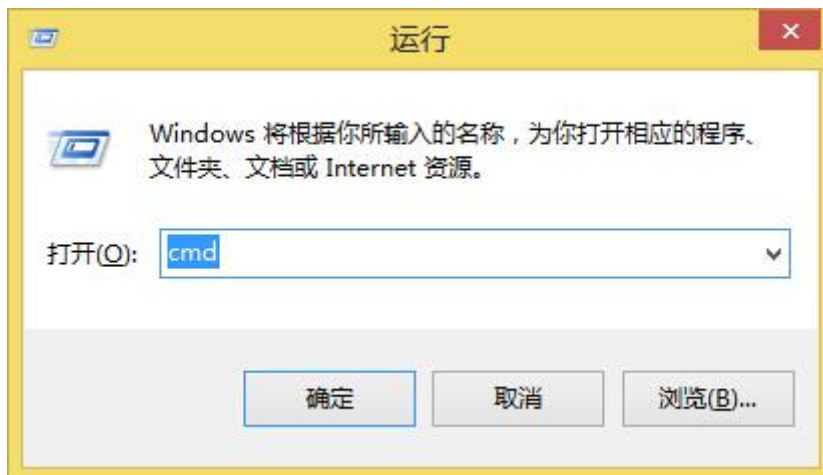Here is the instruction for teaching you how to change the IP address of our camera.

1. Confirm the IP address of your computer.
(1) Click the "Menu" and "R" button in the key borad.
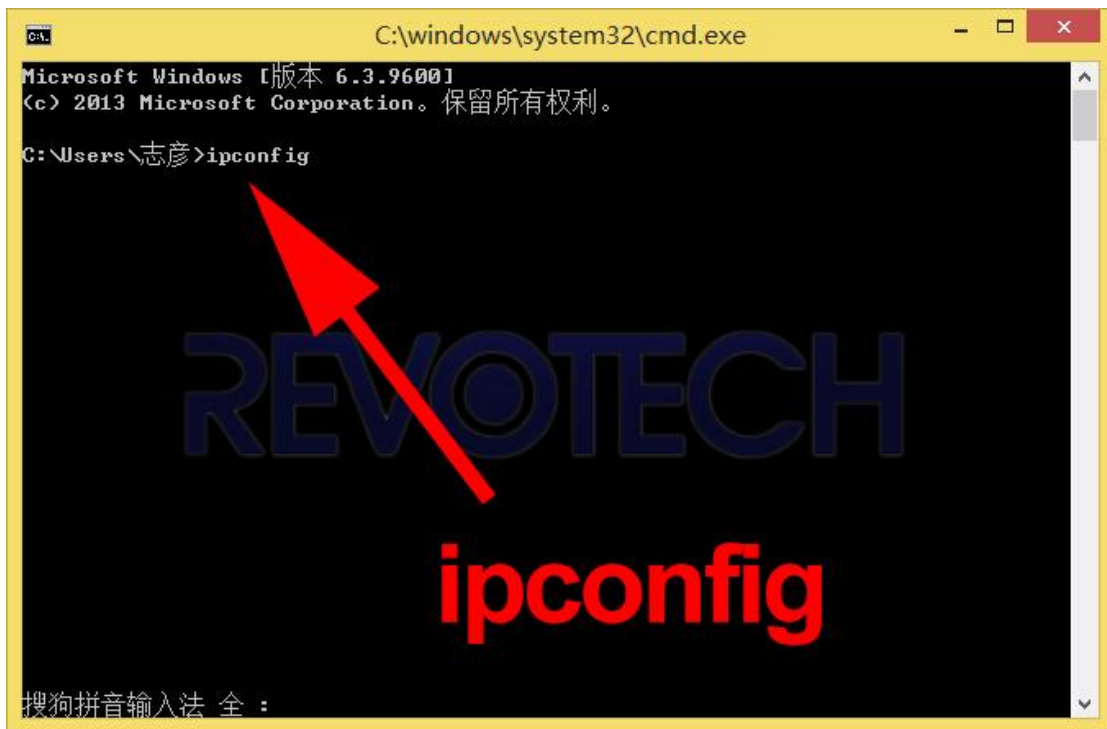
+
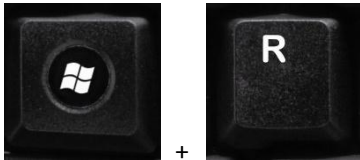
(2) Input "cmd", and then click "Enter".

(3) Input "ipconfig", and then click "Enter".

(4) You get the IP address and the gateway of your computer.
(In this example, IP address: 192.168.0.11; Gateway:192.168.0.1)

2. Install the IP search tool and open it.
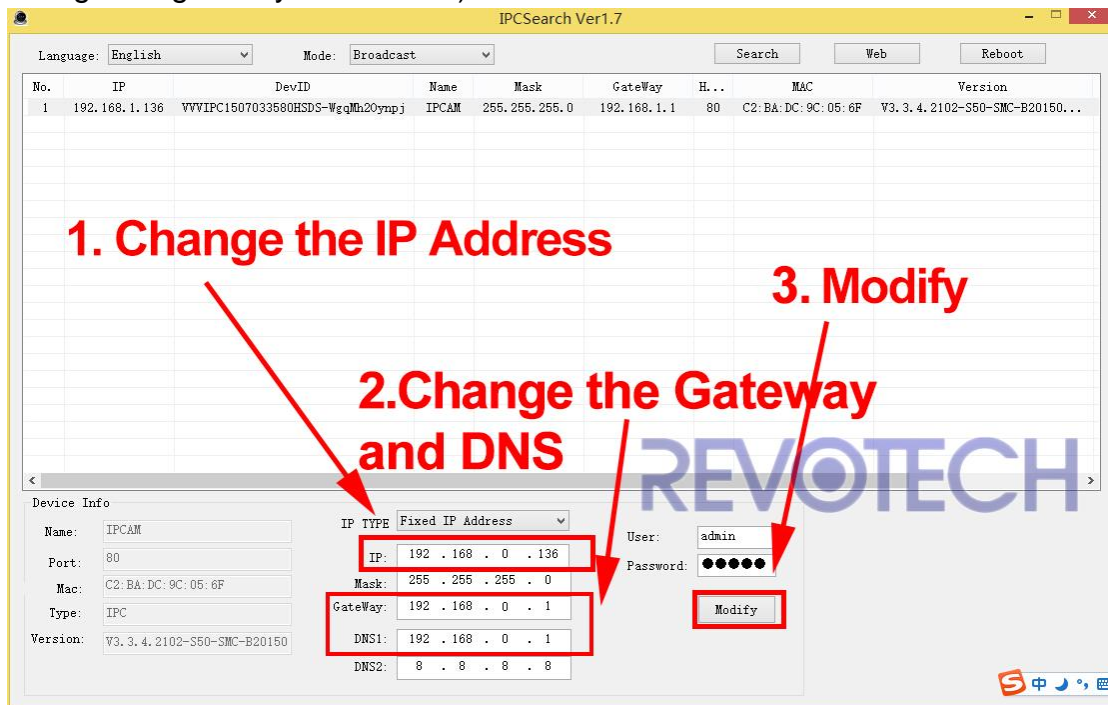This software is in the CD that in the package.

3. Change the IP address for the camera.
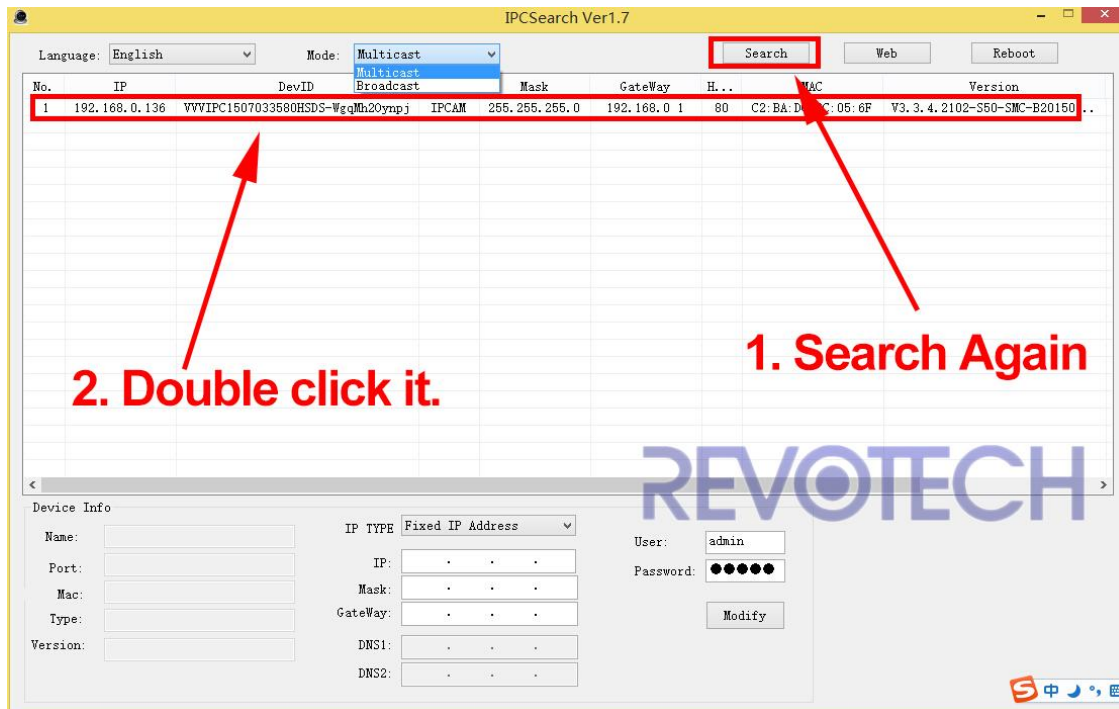(1) Click search and find the camera.
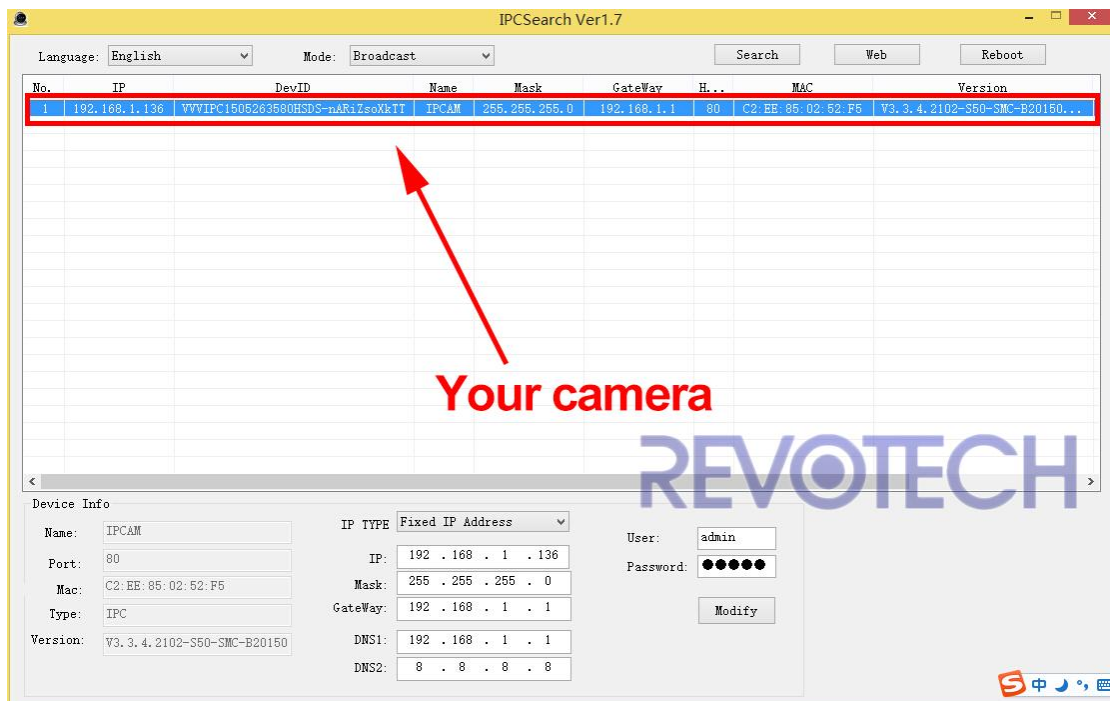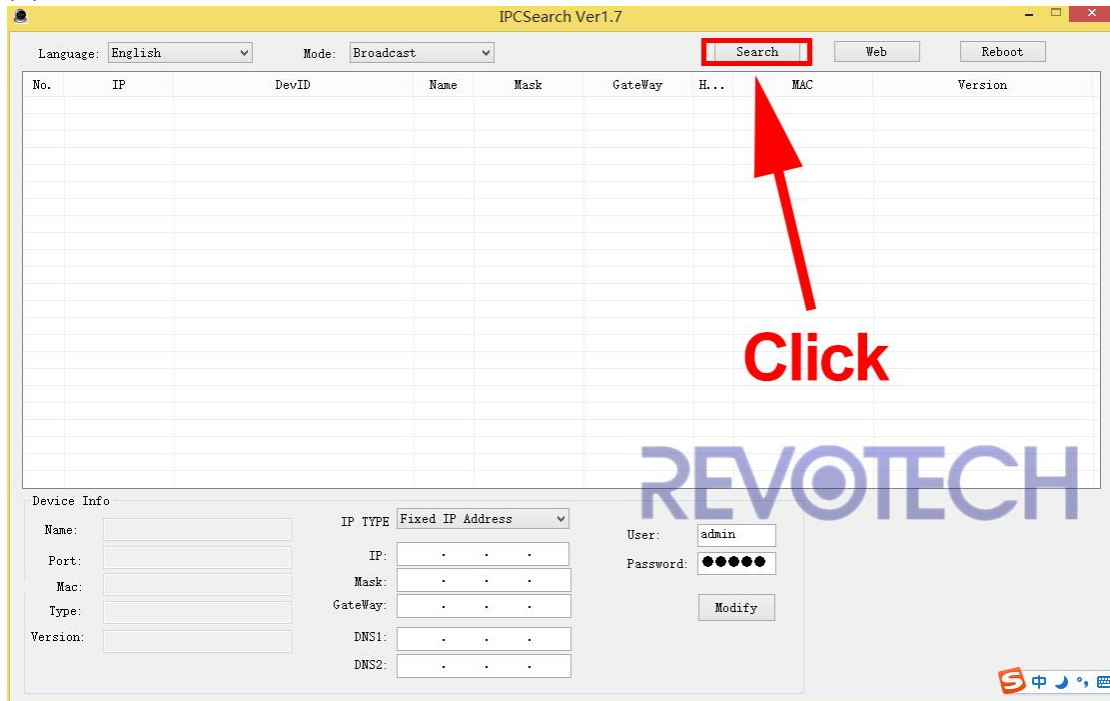
(2) Modify the IP address and the gateway for the camera, and wait for a few second.

(In this example, we need to change the IP address into 192.168.0.XXX and change the gateway information)
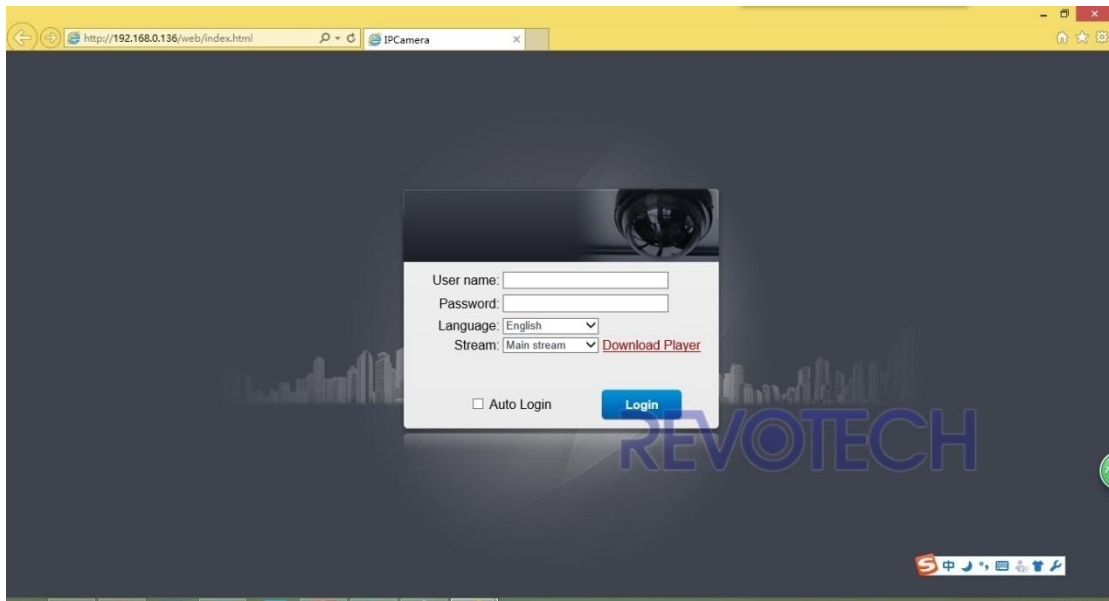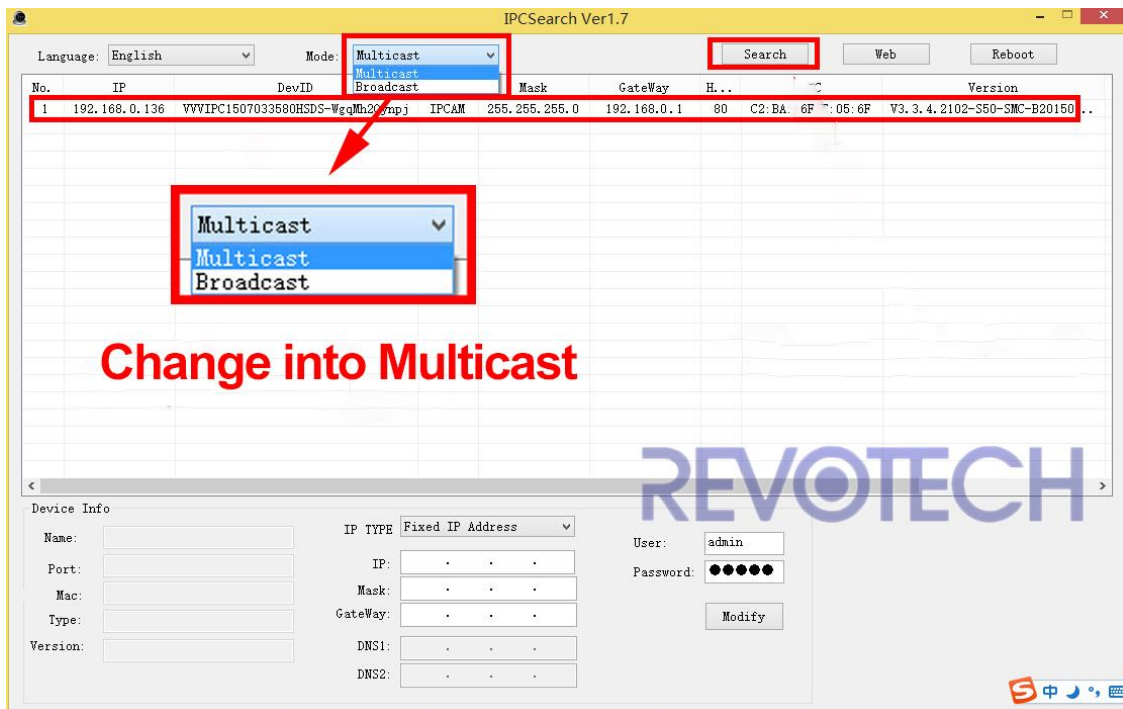

4. Connect with the camera.

(1) Search again for the camera and double click it.

(2) It will go to the browser and you can login in the camera now.

Note: **If you can not search the camera after you change the IP address for the camera. You need to change the searching mode of the software, change it into "Multicast". And then search again.**

8. IPC Parameter Setting and Introduction

The IPC Web on the Internet Explorer mainly includes the following functions: Home, Replay, Media, Parameters, and System. Click the desired button to enter the corresponding function interface.


On the upper right corner of the Web, click the Download Player option to download the player and Logout to exit and return to the login screen.
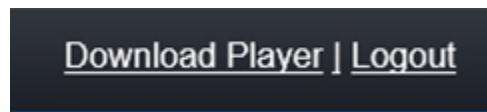
8.1 Home

Upon login to the camera, the Home page appears by default, where the middle section is the video image, the top section shows function buttons, and the right section shows the operation panel. Detailed functions are described below:
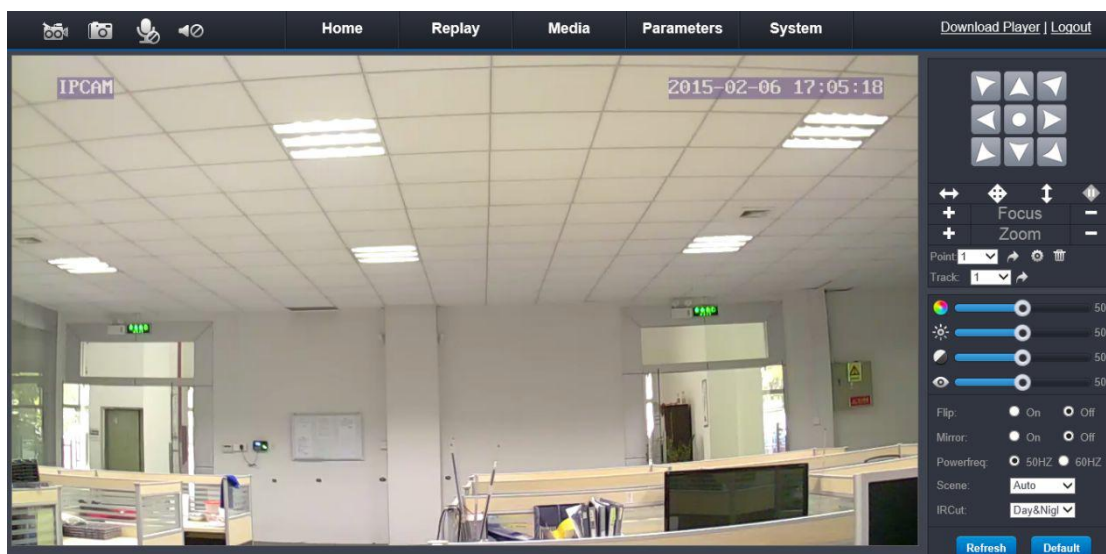
Recording: Click the button to turn it red and open the local storage

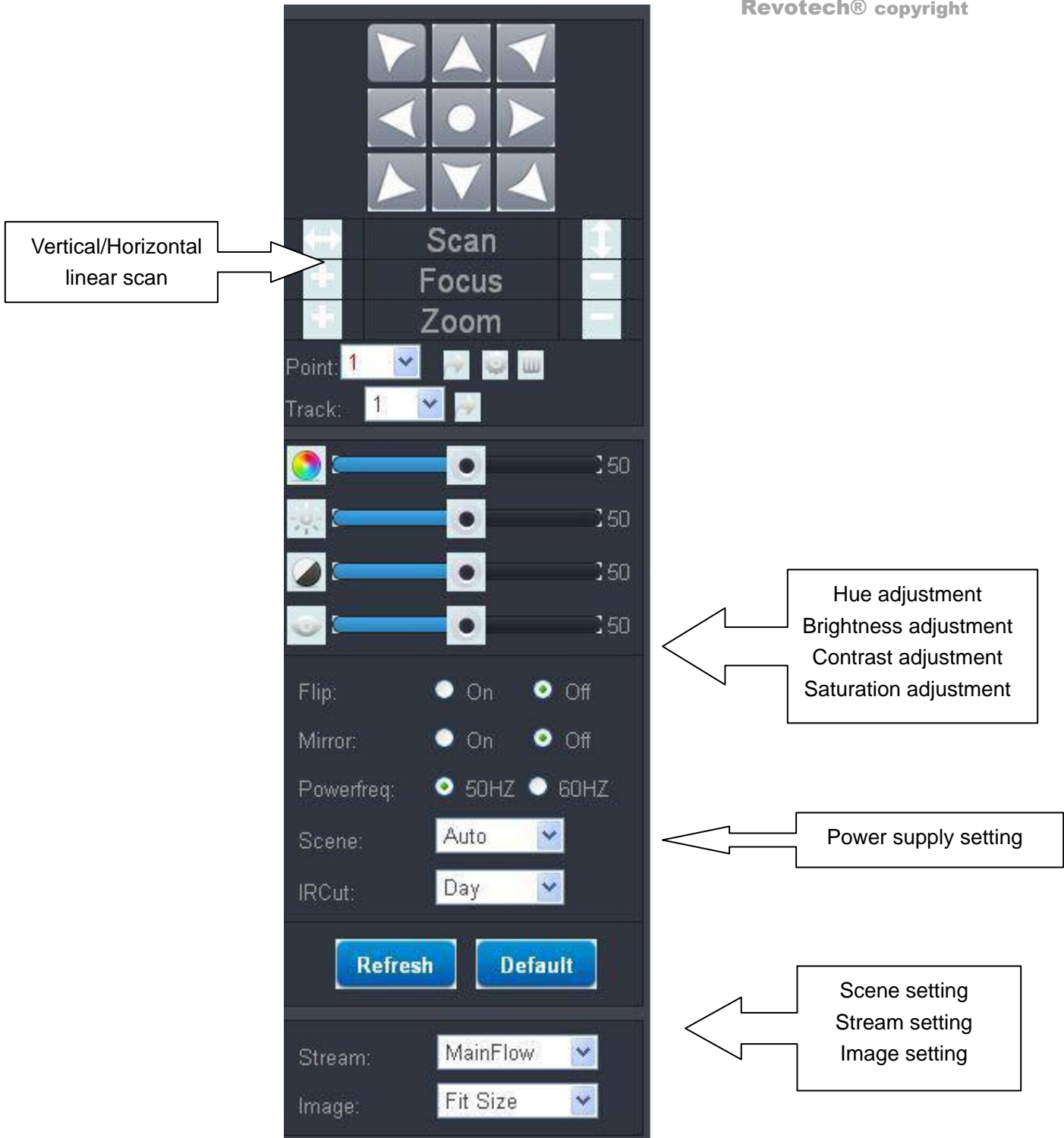dialog box to save video files to a local folder.

Snapshot: Click the button to take a snapshot of the current screen

and open the local storage dialog box to save the picture to a local folder.

Talkback: Click the button to enable talkback and hide the red icon, so
voices can be sent from the computer to the camera.

Voice: Click the button to turn on the voice and hide the red icon; click
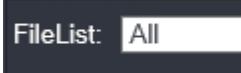it again to turn off the voice again.

Vertical/Horizontal linear scan

Scan

Focus

Zoom

Point: 1

Track: 1

50

50

50

50

Hue adjustment
Brightness adjustment
Contrast adjustment
Saturation adjustment

Flip: On   Off

Mirror: On   Off

Powerfreq: 50HZ   60HZ

Scene: Auto

IRCut: Day

Power supply setting

Refresh   **Default**

Stream: MainFlow

Image: Fit Size

Scene setting
Stream setting
Image setting

Note: Some functions in the control panel are available to high-speed dome

cameras only, and other cameras will not display these functions.

8.2 Playback

Click the **Playback** button in the navigation panel to enter the playback screen,

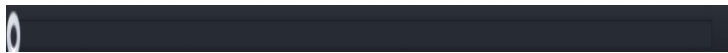as shown in figure below.
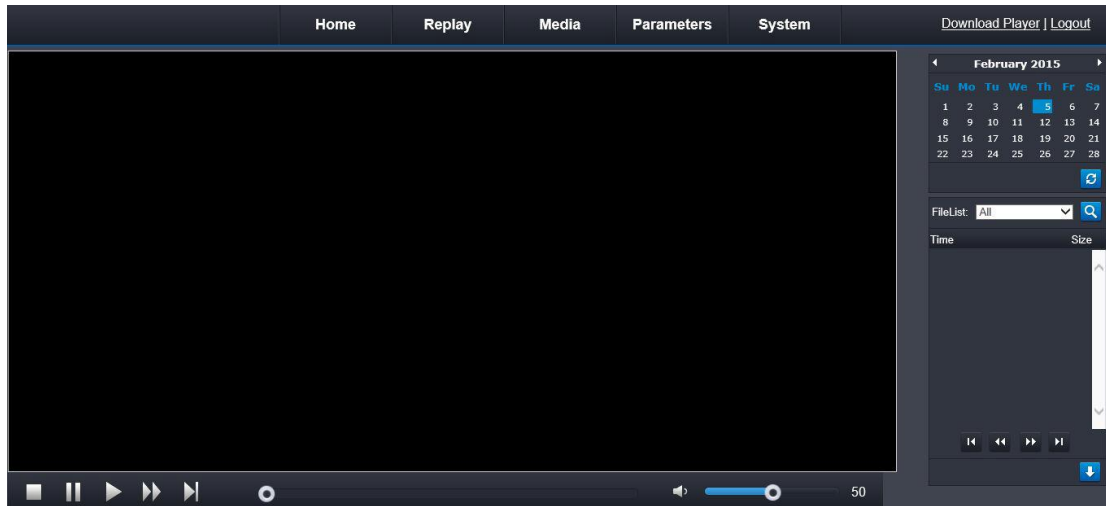
8.2.1 Searching Playback Files

1. Click the [🔄] button on the right to see the red date(s) with records.

2. Select the date to search videos.

3. Select the type of videos to play in the drop-down list box [FileList: All 🔍]

and click [🔍] the button to search videos and display them in the video list.

4. Double-click the video to play in the video list and play it in the playing

area.

5. [⏮ ⏪ ⏩ ⏭] Click these buttons to go to the first, previous,

next, and last page of the video list.

8.2.2 Downloading Videos

Select the desired video file in the video list and click the [↓] button to download the video.

8.2.3 Controlling Video Playing

Stop: stops the video completely and return to the start point.

Pause: temporarily stops the playing video.

Play: plays the video again after pausing, stopping and stepping forward frame.

Fast play: speeds up playing.

Play by frame: plays one frame at each click.

Playback progress bar

50 Audio adjustment bar

8.3 Media

Media parameters include the video, audio, image, OSD, and PTZ setting.

8.3.1 Video Settings

Click the **Video** button to open the following screen.

Resolution: Set the image size.

Bit Rate: Set the maximum bit rate for data transmission like 2048KBps

(2MBps per second for image transmission, or at most 256Kb per second stored

on the computer); accordingly, a camera provides at most 0.9Gb records per

hour.

Maximum Frame: Set the maximum number of frames per second; for

example, 30 frames indicate 30 pictures per second.

Bit Rate Type: Constant bitrate refers to a constant bitrate, and **Variable**

bitrate indicates a bitrate changed according to image sizes, where the bitrate

decreases under static environment and increases under dynamic environment.

I Frame Gap: Set the interval between I frames.

Norm: PAL and **NTSC** are two different systems and the former is usually used in China.

8.3.2 Audio Settings

Encoded Format: Choose among G711a, G711u and G726.

Input Gain: Set the input volume of the camera sound pickup.

Output Vol: Set the output volume of the camera horn.

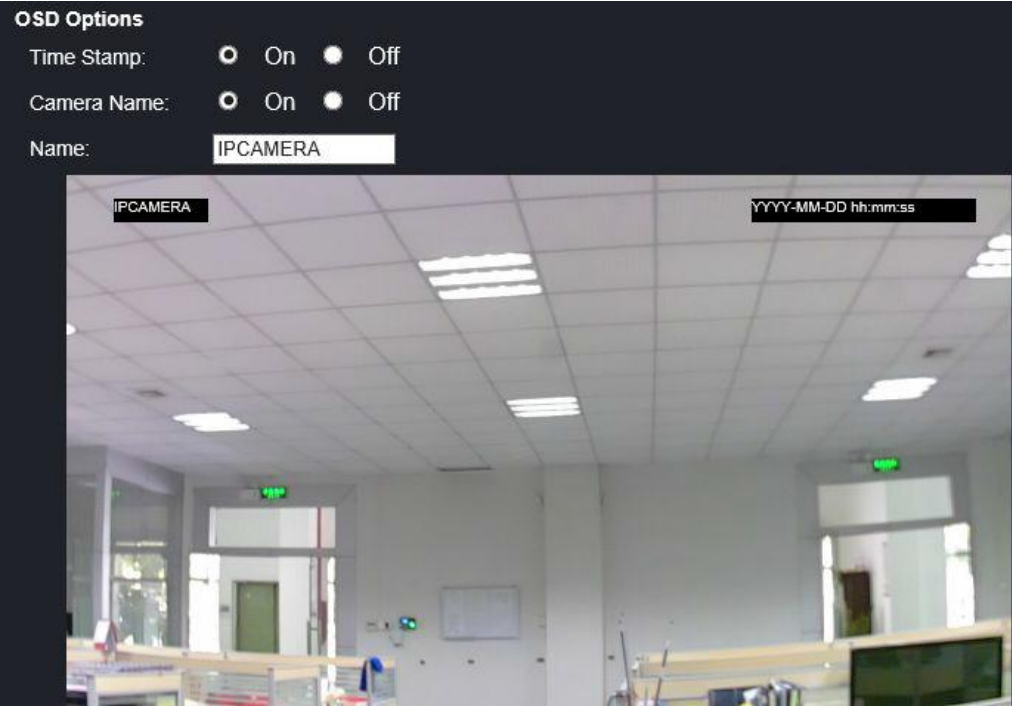**Main Stream:** Turn on or off the audio of the main stream.

Sub Stream: Turn on or off the audio of the sub stream.

8.3.3 Wide Dynamic Range (WDR)

WDR: Choose among **Off**, **Low**, and **High**.

8.3.4 OSD Options

In the **OSD Options** screen, you can choose to switch on or off the time stamp

and camera name, customize the name, and move the time stamp.

8.3.5 PTZ Settings (Available for Devices with PTZ Only)

Set the PTZ properties as follows:

8.4 Parameters

8.4.1 Network

Set the fixed IP in the following screen.

IP Type: Switch between **Fixed IP** and **Dynamic IP**; If **Fixed IP** is selected,

set the fixed IP for the camera, and if **Dynamic IP** is selected, select **DHCP**

Service in the **DNS Type** field so the DHCP server allocates IP to the camera.

IP Address: Display the current LAN IP of the camera.

Subnet Mask: Display the current subnet mask of the camera.

Gateway: Set the IP for accessing Internet devices like routers to enable

DDNS (Dynamic Domain Name Server), P2P (peer-to-peer) and other

related functions.

Primary DNS: Get the local IP of the DNS (Domain Name Server) from the

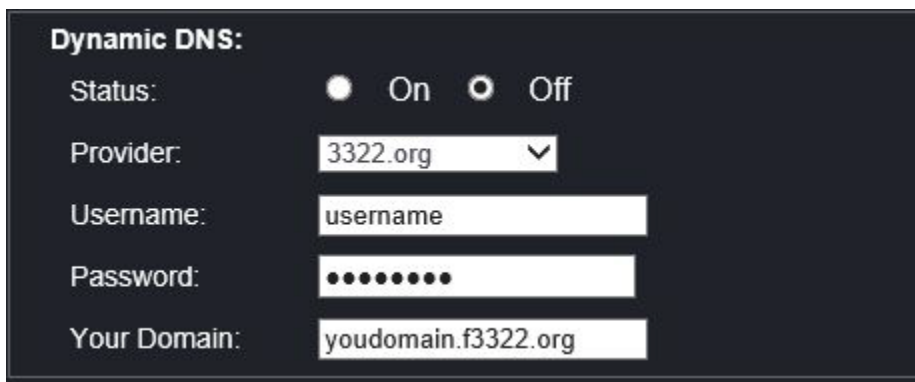network provider to enable DDNS, P2P and other related functions.

Port:

HTTP: Set the HTTP (Hyper Text Transport Protocol) port for transmitting

HTTP data, such as Web application and CGI (Computer Graphics Interface)

configuration.

RTSP: Set the RTSP (Real Time Streaming Protocol) audio and video stream

port.

ONVIF: Set the ONVIF port.

8.4.2 Dynamic DNS

Dynamic DNS: Select **On** in the **Status** field to make the bound domain name

effective, select a corresponding provider (only the **dyndns** and **3322** domain

names are supported at present and no free domain names are available

because they are unstable), and type the username and password.

8.4.3 E-Mail Settings

E-Mail Setting:

Server name:	smtp.server.com
Port:	25
SSL:	☐
Authentication:	⦿ On ○ Off
User Name:	username@server.com
Password:	••••••••
Send To:	username@server.com
From As:	username@server.com Test

Keep the server name and port by default.

Send To: Set the email of a receiver to receive emails of motion detection

alarms.

Test: Click the button to test the settings.

8.4.4 WiFi Settings

Enable: Select the **Enable** checkbox to enable WiFi.

Search: Click the **Search** button to find WiFi signals around the camera.

Note: WiFi connection is tried only when the webpage is disconnected.
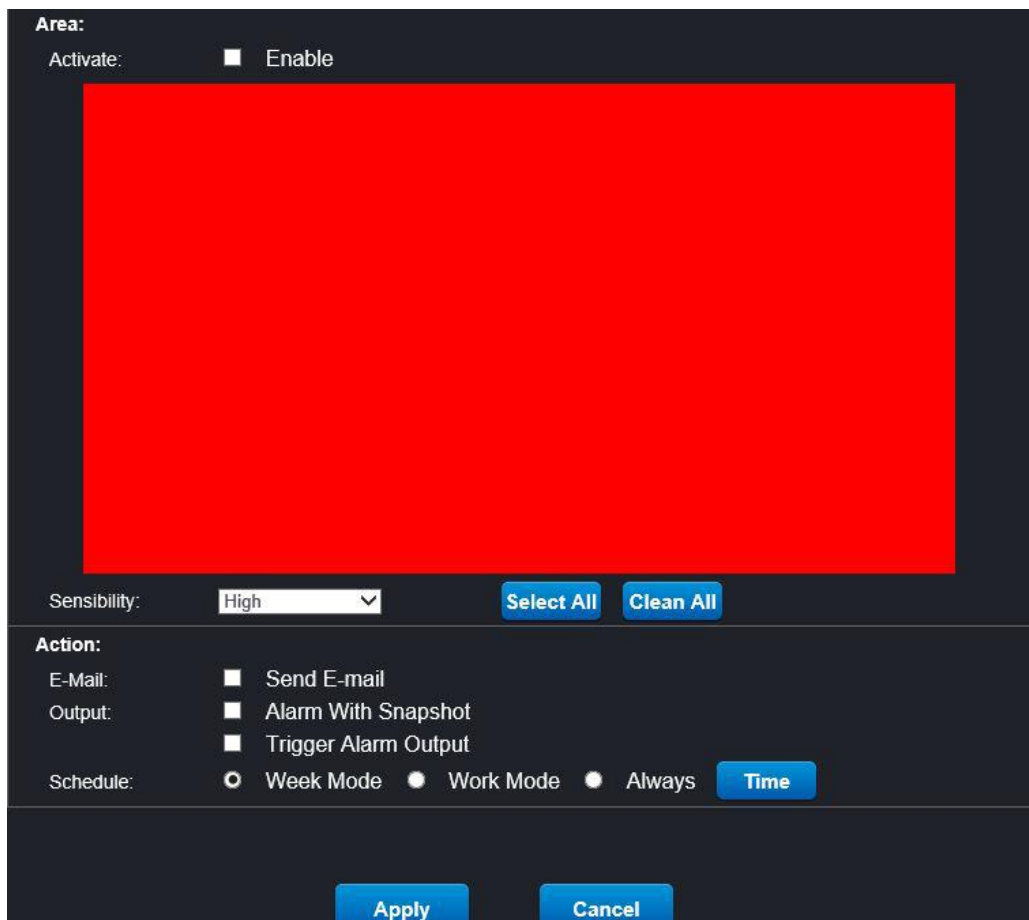
8.4.5 P2P Settings

Status: Select the Enable checkbox to enable P2P.

Password: Change the password.

8.4.6 Motion Detection Settings

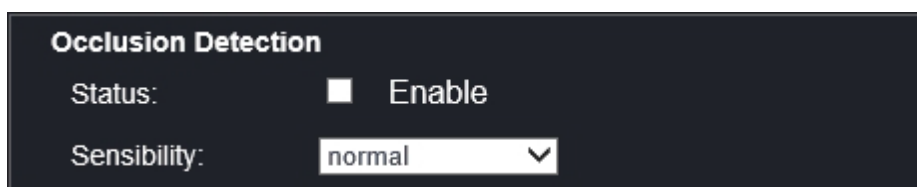**Sensibility:** Select a level of sensitivity for detection.

Action: Choose to send snapshots and videos for alarms by email or FTP.

Schedule: Choose among **Week Mode**, **Work Mode**, and **Always**.

Time: Click the **Time** button to select the time for motion detection.

8.4.7 Occlusion Detection

The system generates an alarm when the camera is covered.

8.4.8 Alarm Input and Output

Action: Choose to send snapshots and videos for alarms by email or FTP.

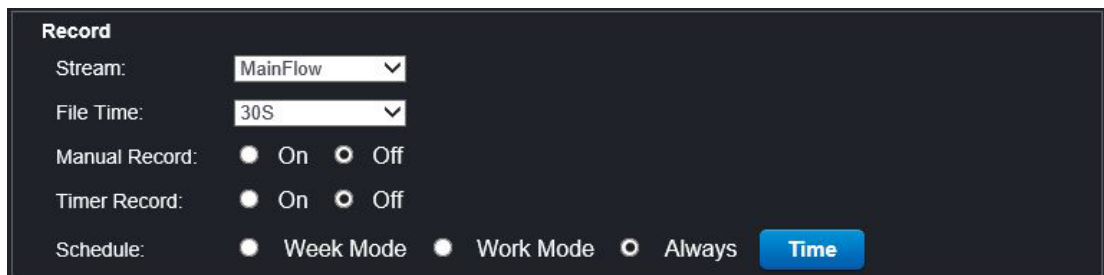**Schedule:** Choose among Week Mode, Work Mode, and Always.

Time: Click the Time button to select the time for motion detection.

8.4.9 Snapshot

Set the interval for taking snapshots and choose to send the snapshots by email or FTP.

8.4.10 Record

Record: Save records to an SD card.

Schedule: Select the recording time.

Time: Click the **Time** button to select the time for motion detection.

8.5 System

This is to set User, Time setting, Initialize, Device info, Local Storage, and

System log.

8.5.1 User

This is to change passwords and create users. Account information of the

Administrator (admin) cannot be changed and new users are common users.

UserID	Username	Password	Verify Password
Administrator	admin	•••••	•••••
User1	guest	•••••	•••••
User2			
User3			
User4			
User5			
User6			
User7			

8.5.2 Time settings

This is to adjust time manually, synchronize time with the computer and NTP
(network time protocol), and select the time zone as needed. The time zone
should be correct. Otherwise, the P2P client may display wrong time.

Adjust:
Date & Time: 2015-02-05 22:48:31
Mode: Sync With NTP
Server Name: time.windows.com
Interval: 2 hour
Time Zone: (GMT+08:00) Beijing, Chongqing, HongKong, Urumqi
☐ DST
Auto Update Time: ☑

8.5.3 Initialize

Initialize
Reboot: OK
Factory Default: OK
Backup Data: OK
Restore: Browse... Apply
Upgrade: Browse... Apply

Reboot: Reboot the camera; it takes about one minute for the camera to restart.

Factory Default: Restore default settings; the IP is restored to 192.168.1.128, and you need to configure some parameters after restoring to factory settings.

Upgrade: Select the upgrade file and firmware version. For details, refer to the **Updating your Camera** in the **FAQ** folder.

8.5.4 Device Info

This screen shows the camera name, serial number, versions and network information.

8.5.5 SD Card Info

This is to view the status of the SD card.

8.5.6 System Log

You can check logs saved in an SD card in the camera that records the operation

history and motion detection alarms, as shown in the screen below.