

PYLE[®]

PyleUSA.com

OUTDOOR WIRELESS/WIRED HD P2P NETWORK CAMERA (with H.264 image compression)



INSTRUCTION MANUAL

FAQs Video Resources Customer Support Available Online
www.PIPCAMWireless.com

Models: **PIPCAMHD46** | **PIPCAMHD47**

Don't miss out! Claim your free 1 year warranty by registering with us online!

www.PIPCAMWireless.com

INTRODUCTION

This is an integrated wireless IP Camera. It combines a high quality digital Video Camera with network connectivity and a powerful web server to bring clear pictures to your Desktop from anywhere on your local network or over the Internet.

The main function of the camera is to transmit remote video over IP network. The high quality video image can be transmitted with 30fps speed on the LAN/WAN by using H.264, MJPEG compression technology.

FEATURES

- ☆ Powerful high-speed video protocol processor
- ☆ High-sensitivity 1/3" CMOS sensor
- ☆ Picture total 1300K pixels (1.3 megapixel)
- ☆ Optical Zoom x4 - Pan and Tilt (PT) control, Pan 355°, Tilt 120°
- ☆ Optimized H.264 MJPEG video compression for transmission
- ☆ Multi-level user management and passwords definition
- ☆ Embedded Web Server for users to visit by IE
- ☆ Supports wireless network (WI-FI/802.11/b/g/n)
- ☆ Supports Dynamic IP (DDNS) and UPNP LAN and Internet (ADSL, Cable Modem)
- ☆ Motion detection alarm via email or app push notification
- ☆ Protocols: TCP/IP HTTP DNS DHCP PPPoE SMTP FTP SSL TFTP NTP
ARP/RARP NFS RTSP RTP RTCP.
- ☆ Supports WEP/WPA/WPA2 encryption
- ☆ Supports IE, Firefox, Safari, and Google chrome browsers

PACKING LIST

- IP Camera
- Wi-Fi Antenna
- User Manual & Quick Setup Guide
- DC Power Supply
- CD
- Network Cable

Camera Password Defaults

NOTE: Your camera will have 2 sets of username/ password

Mobile app

User: admin

Pass: pylecam

Web Login

User: admin

Pass: pylecam

*These passwords are not related – changing password in the app or the web UI only affects the password in that interface.

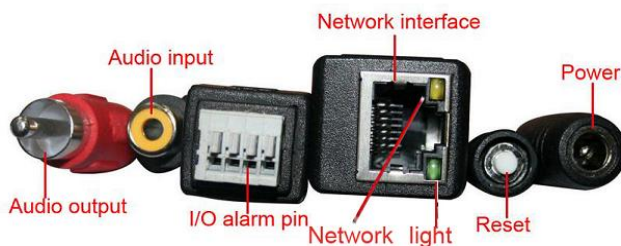
If you forget your password – you can reset it back to default by performing a hardware reset

Hardware Reset

Plug your camera into both power and wired data and wait **TWO MINUTES** for the camera to completely boot up.

- Wait until you see both green and yellow data light flickering
- Once the lights are active, press in the white button at the end of the wire harness for 15-30 seconds.
- You should see the camera respond with a flash in the yellow network light.
- Wait again for 2 minutes while the camera resets.
- You will know the camera has completed the reset once the yellow light has begun to flicker again.
- If you do not see the camera respond, then you probably are being impatient.
- Try as many times as it takes to get the camera to respond.

Camera Connection Cables



Audio Output: The jack is used to connect an external speaker or audio output device

Audio Input: The jack is used to connect an external microphone or audio input device

I/O Alarm Pins:

Alarm input (GND)

Input

Output A

Output B.

Network Interface: RJ-45/10-100 base T

Network Light: The green LED will be on when the network is connected, the yellow LED will blink when data is transferred.

Reset: If you press and hold the RESET button for about 30 seconds, all the parameters will be set back to the factory default settings. (Please keep the power on when doing a RESET).

Hardware Prep

Before you begin: Desktop or mobile setup should be done in the same room as your wireless router

- 1) Plug your camera into power
- 2) Attach the wireless antenna

Mobile Setup

Check FAQ [Online](#)

1. Download the App:

Download "Pyle IPCameraViewer" in Apple Store or Google Play



2. Check the camera is in wireless setup mode

- Reset the camera by pressing the switch in the camera cable bundle

Hold in the reset switch for 10 - 12 seconds. You may hear a faint click. Wait again 1 - 2 min for the camera to reset and run through the full range of pan and tilt

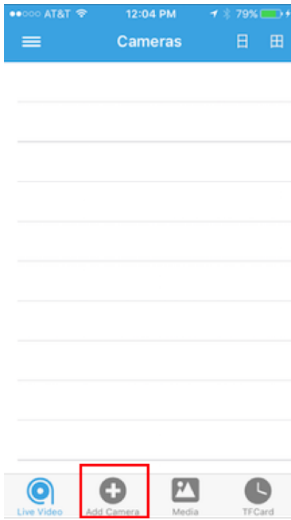


3. Check in your mobile phone's system settings that you are currently connected to your home router's wireless network

- Wireless Setup will not work using cell data

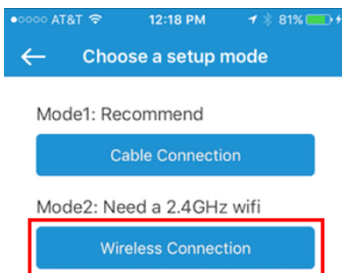
4. Open the Pyle IPCameraViewer app

Select the “add camera” button



5. Select the option for PIPCAMHD45/PIPCAMHD46

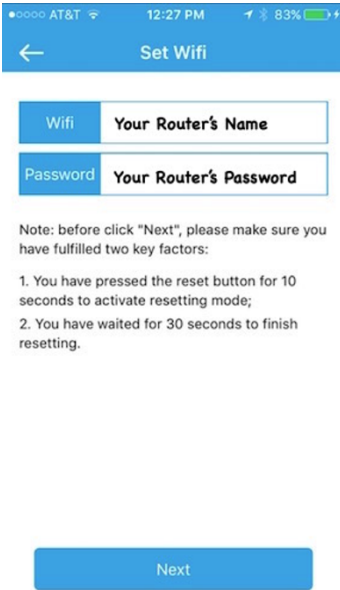
6. Select “Wireless Connection”



7. Scan the QR code located on the frame of the camera to automatically add the camera's unique ID



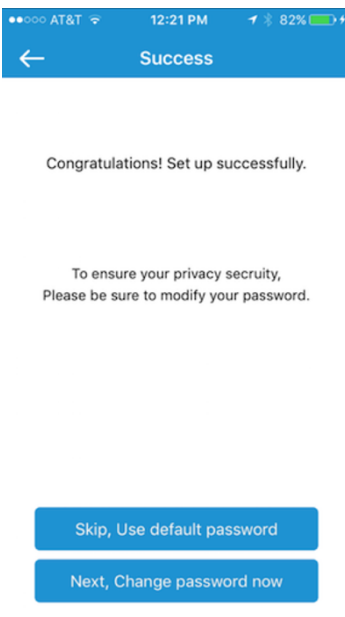
8. Enter your home network's wireless password



9. Wait for the camera to load



Recommended! Select the option to change the camera password



Default Value: "pylecam"

You can change the password at a later time by pressing and holding the reset switch

If you do not get a successful connection

- Back out and double check you have correctly entered the password for your home wireless router (it is case sensitive)
- Press and hold the reset switch before attempting pair again

Still having trouble? **Let's try the wired setup**

Mobile Wired Setup Instructions

- 1) Delete the camera from the mobile app
- 2) Plug your camera into a wired Ethernet connection direct to your home's wireless router
- 3) Confirm data is at the camera
 - Wait 2-3 minutes for camera to boot. You will see the camera run through a full range of pan and tilt motion.
 - When boot up completes, your camera's Ethernet port will show a solid green and blinking yellow light indicating the camera is connected to your router.
- 4) When selecting the setup option in the app – choose “wired setup

Mobile App Interface and Features

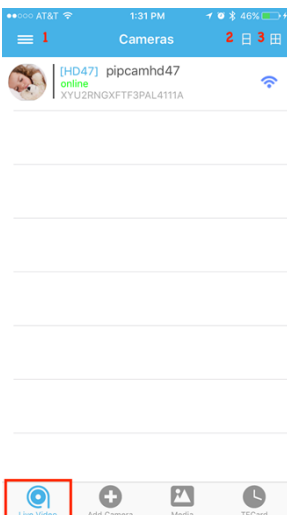
Live Video Page

Use this page to manage all of the different cameras you have added to the app

- Tap the camera name to view it
- Swipe left to remove it from the app

Buttons

- 1) App Settings: Find FAQs/ Support
- 2) Dual View Mode: See two live feeds at once
- 3) Quad View Mode: See four live feeds at once



Camera View Page

Use this page to view a specific camera - access camera settings and enable features

Swipe right, left, up or down on the live view to activate your camera's PTZ

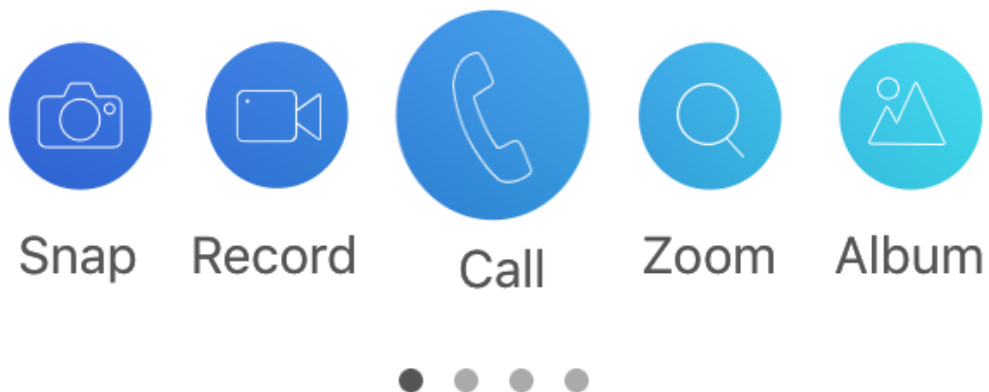


Pinch your fingers together to digitally zoom in

- 1) Camera specific advanced settings
 - 2) Activate functions along the tool bar
- Swipe right to reveal more functions

Note: Different camera models support different features. You may see some options in the app that your camera does support.

- 3) Change the camera playback quality



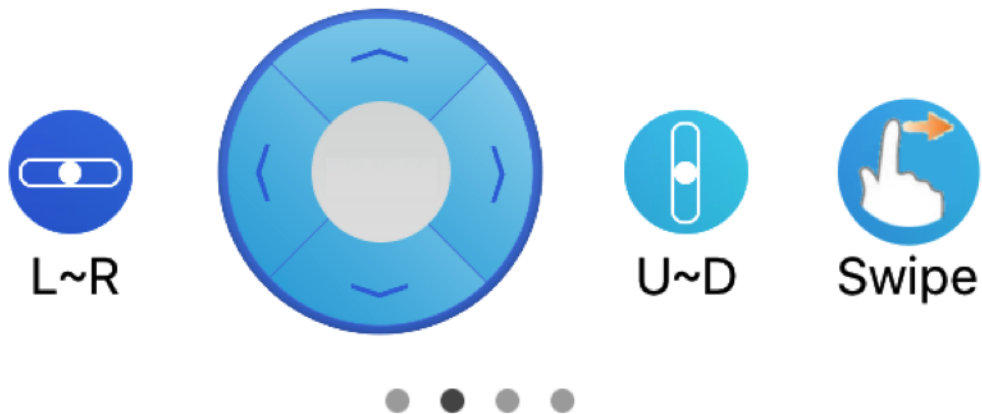
Snap: Takes a picture from camera - this will save to the phone memory not the SD

Record: Records the current live feed to phone memory - Does not work in the background

Call: Support for models with 2 way audio only - listen to the camera surroundings - push to talk through the camera speakers

Zoom: Support for cameras with zoom lens only - You can control the optical zoom

Album: You can be able to check the snapshot and video here.



L~R: Activate camera left and right patrol

Arrows: Alternative to swiping the screen - control the camera PTZ

U~D: Activate camera up and down patrol

Swipe: Change the way swipe responds - you can invert the control direction



Set: store current camera position to a position No.

No. 1 No. 2 No. 3 No. 4 No. 5
 No. 6 No. 7 No. 8 No. 9 No. x

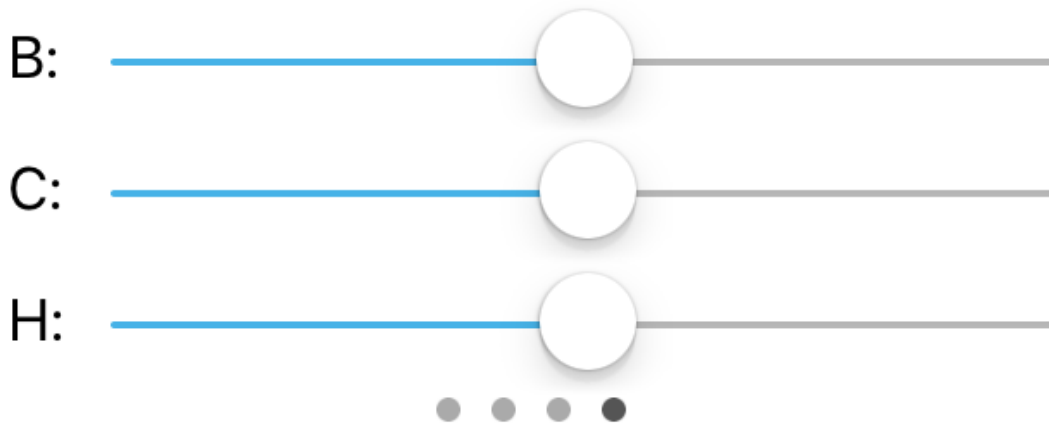


Use this screen to set and recall PTZ preset positions.

-Position the camera where you want to set preset while in the set tab

-Press the No. value you would like to overwrite

-Switch to the "Get" tab to recall the PTZ preset and quickly rotate the camera between your specified positions



Adjust the camera brightness, contrast and hue settings

Advanced Settings

Access this screen to make changes to the settings detailed below

Name: You can set or change name for camera

Change camera password:

WiFi: You can set or change WiFi

Video Settings:

-Video Quality: Change between HD, Standard, Fluent, and Auto

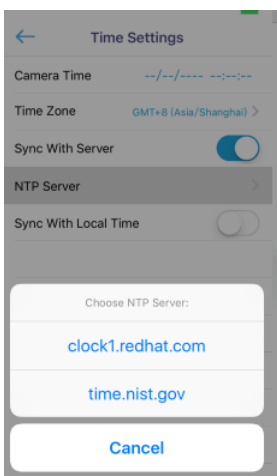
-Video Orientation: For wall or ceiling installations you can flip the video orientation

-Video Environment Mode: Change between 50HZ 60HZ Outdoor

-IR Control: You will be able to turn on or turn off camera night vision LED

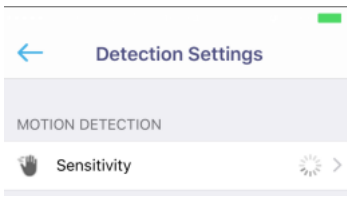
Time Settings:

Select your time zone - Enable Sync with Server - Select a server



Detection Settings

Once motion detection is enabled - you can make adjustments to the camera's sensitivity to trigger alerts. Adjust higher if you do not receive alerts and lower if you are receiving false alarms.



Memory Card:

See the remaining space

Enable recording alarms to the memory

Turn on video "Auto-Overwrite" to overwrite old video when the memory becomes full.

Format Memory: Will overwrite all data - can be used if you need to troubleshoot memory cards

Volume Settings

Support for models with 2 way audio only - Make changes to the microphone sensitivity and the speaker volume

Reboot and Reset

Can be used to troubleshoot issues

- Reboot camera, then camera will restart for 50 seconds.
- Reset factory settings, camera will default all data; then reboot for 50 seconds.

Camera Version:

You will see the current app version details here

Mail settings

Set up with a supported email provider and enable motion detection alerts to your email

Record Schedule Settings

Select the start and end time for recording - select the days of the week to record

PTZ setting

Adjust the sensitivity of the PTZ adjustment - high setting will have a more drastic effect

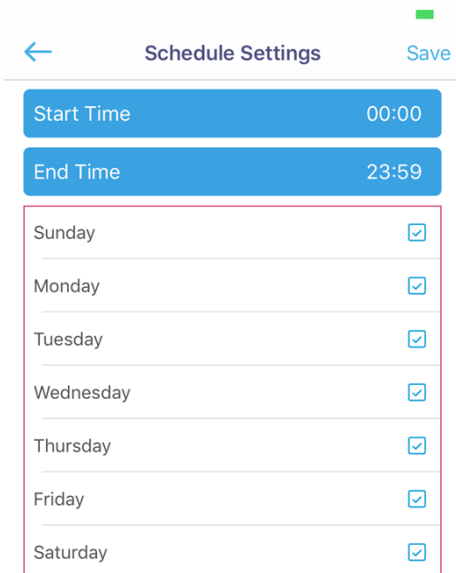
Recorded Videos to the Camera SD

After SD card is installed you can choose from the following recording options

- 1) Scheduled recording: Set the times you would like the camera to record
- 2) Motion detect recording: Record only when the camera detects motion in the environment

Setting Scheduled Recording

Go to the camera "Advanced Settings" > "Record Schedule Settings"



For 24 hour recording - select all the days and an end time 23:59

Or set the start and stop times and the days of the week to record

- You can find more advanced scheduling settings in the camera web UI

Setting Record on Motion Detection

Go to the camera advanced setting > Detection Settings

-Switch the setting from off

Go to camera advanced setting > Memory Card

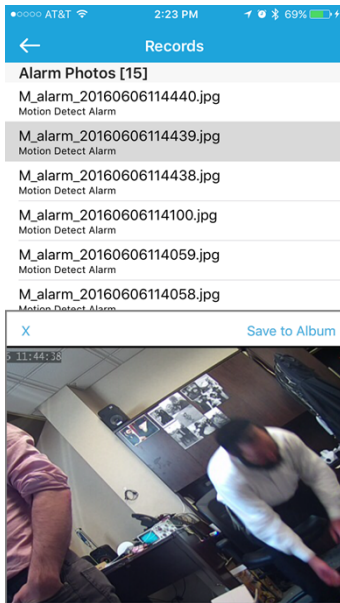
-Enable "Capture alarms to Memory Card"

Playback Videos Recorded to SD

Navigate to the "TFCard" tab to see a list of all the cameras in your app containing SD video recordings



Select the camera name you would like to check - then the file name of the photo or video



You can then save the files directly to your mobile device

Desktop Setup

Please note: This manual covers desktop setup for use with the camera's built in web interface. The camera is also compatible with some 3rd party software. Please check the other options for desktop use on our website online.

Other Desktop Setup

Web UI Setup

Online instructions

Before you Begin

*Setup should be done in the same room as the wireless router in your home.

*Camera and PC must share the same network. Verify the setup PC is on the SAME network as the wireless router in your home.

1) Plug your camera into power

2) Attach the wireless antenna to your camera (If Applicable)

3) Plug your camera directly into your router with wired Ethernet wire

4) Wait 2-3 minutes for camera to boot

- You will see the camera run through a full range of pan and tilt motion.

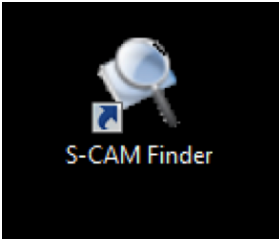
- When boot up completes, your camera's Ethernet port will flash yellow and green lights indicating the camera is connected to your router.

5) Load up the camera's included software or download a copy from the link here

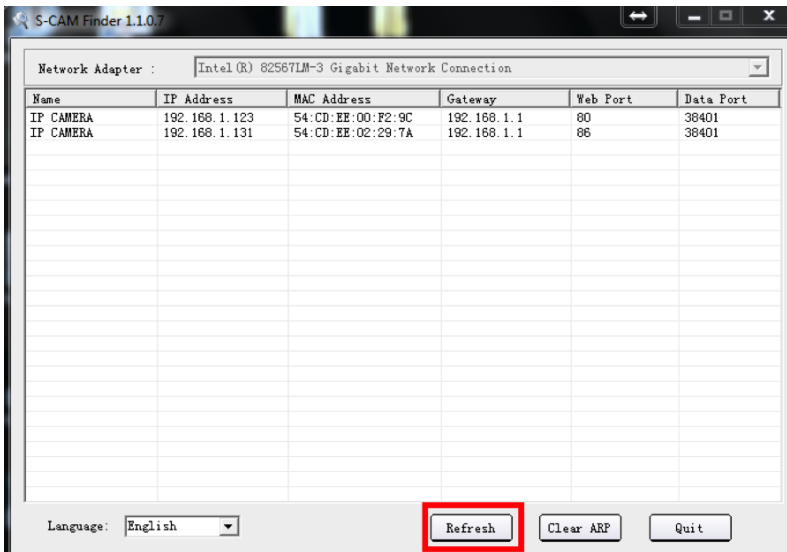
www.pyleaudio.com/manuals/drivers/pipcam8.zip

6) Locate the “IP Address Tool” folder and install the “SearchIPCam Setup” file on your computer

7) Once installed – open the “S-CAM Finder” app



8) Click the “Refresh” icon to find your camera



No Camera Detected?

-Check again your PC and camera are connected to the same wireless network

-Verify you do not have any network security settings that will hide the network

-Try a hardware reset by holding in the camera reset switch for 10 seconds with a pin and retry steps 1 – 4

9) Double Click the Http://XXX.XXX... address in the IP Camera tool or copy paste the address into your internet browser

NOTE: Some users may see a blue background in the web UI – while the options may be in slightly different places, the setup process is the same

10) Log in using your camera’s default user name and password

USER: admin

PASS: “pylecam” OR “admin”

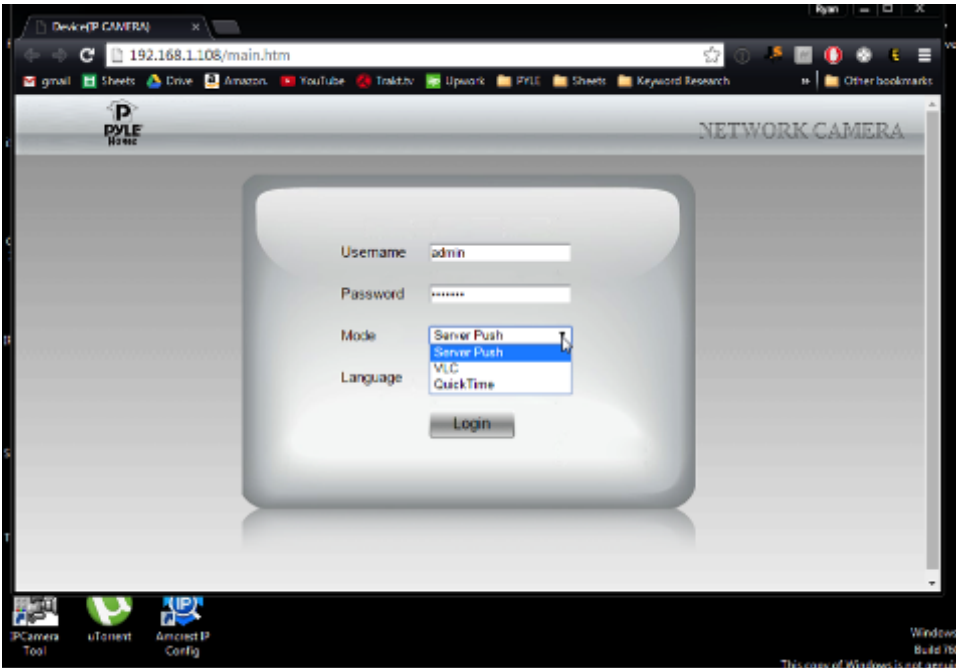
11) Select the login option appropriate for your browser

-Google Chrome: Server Push Mode

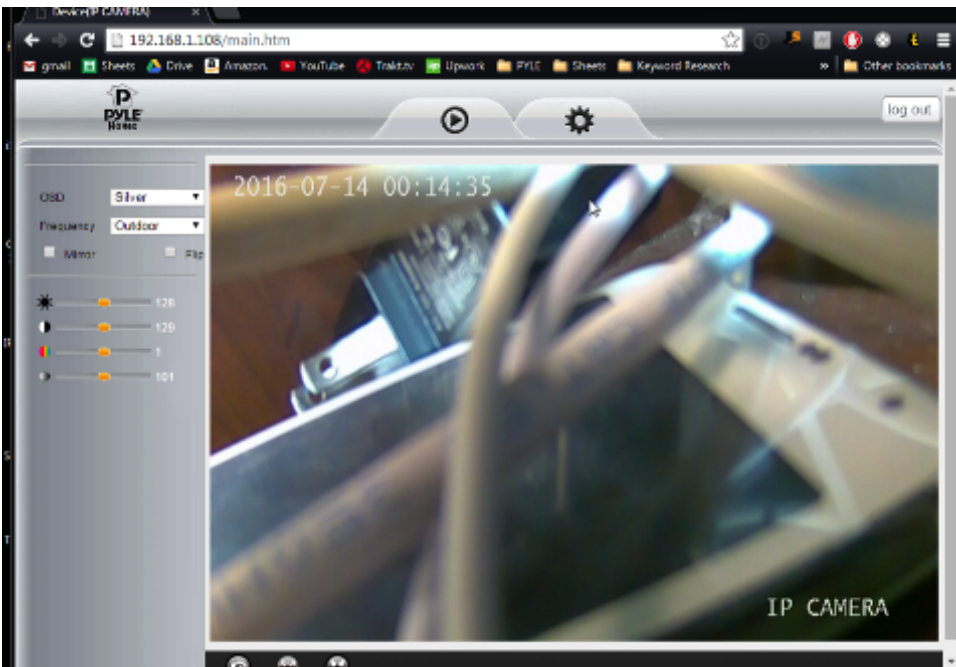
-Internet Explorer: ActiveX Mode

-Safari/Firefox: VLC Mode

-I recommend using Google Chrome for fast initial wireless setup – to continue setting up using Internet Explorer, skip to the link at the end of the guide to learn how to install the Active X plugin – then resume step 12 for wireless configuration



12) Check that you see a live video feed for the camera



No Video?

-If you aren't using Google Chrome – back up to step 9 and try logging in using Google Chrome in server push mode now

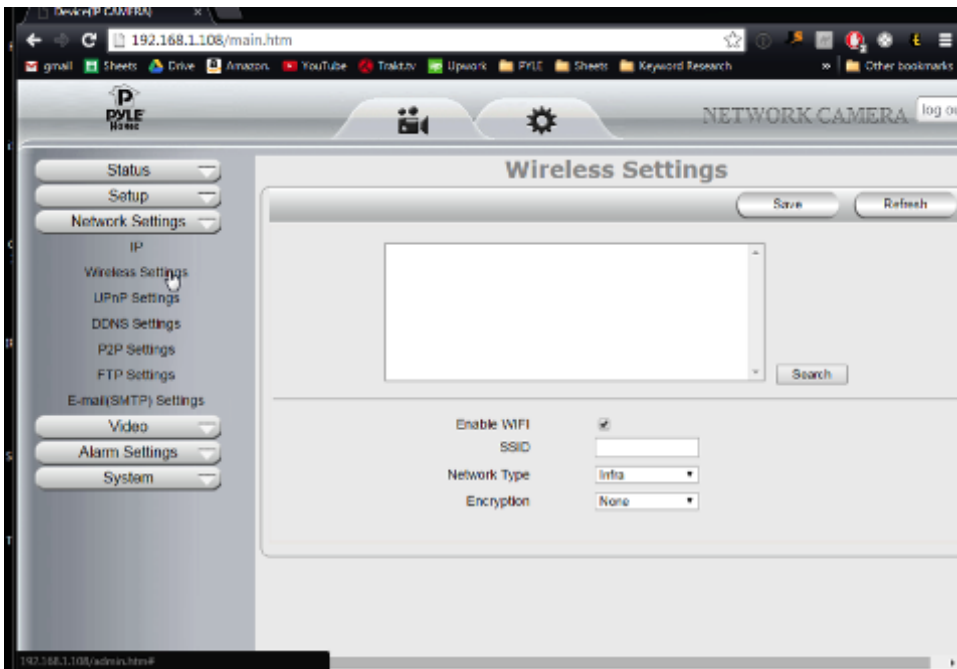
-Your login password may be incorrect – try both default passwords suggested step 11

-If still no video – do a hardware reset to make sure the camera password is set back to default passwords

Now we can configure WiFi

1) Click the “Gear” icon along the top tab to access the camera’s settings

- 2) In the left column - click “Network Settings” > “Wireless Settings”
- 3) Click the “Search” button to display any wireless networks in range



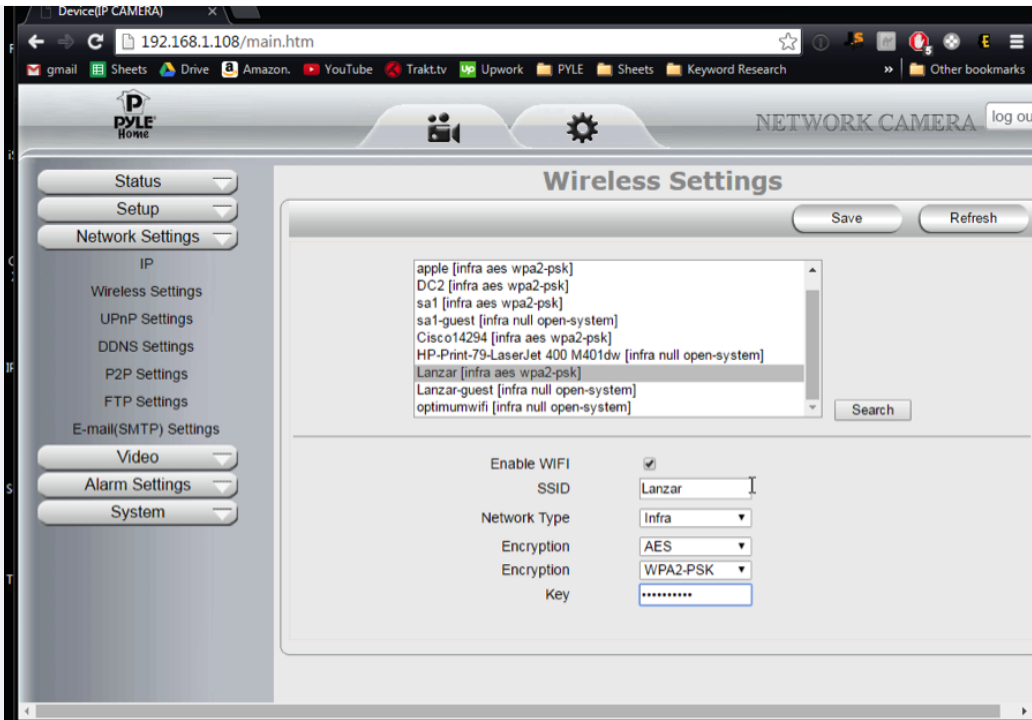
No Networks Detected?

See FAQ online

<https://pyleaudio.helpshift.com/a/pyle-ip/?s=general&f=i-don-t-see-any-networks-detected-when-setting-up-wifi>

Or go to the FAQ on pipcamwireless.com and search the FAQ “I don’t see any networks detected”

- 4) Click on your router’s name in the list – then enter your router’s wireless password in the “Key” field – click “Save”



DON'T UNPLUG YOUR CAMERA POWER CABLE YET

5) Now let's test the wireless connection in the same room as your wireless router before moving the camera to the final location

-Leaving the power plugged in - Disconnect the wired Ethernet cable and wait

6) Wait 2-3 minutes for the camera to reboot

-I know - it doesn't look like it is doing anything... But wait a bit before trying to adjust the camera or refresh the app

Internet Explorer Setup

In order to use the full features possible in the web UI – you will need to set up ActiveX plugin to work in Internet Explorer

Before you begin – make the following changes in your computer security settings

1. Close the firewall of your computer.
2. Change the ActiveX settings, "IE" browser > "Tool" > "Internet Options" > "Security"> "Custom Level" >

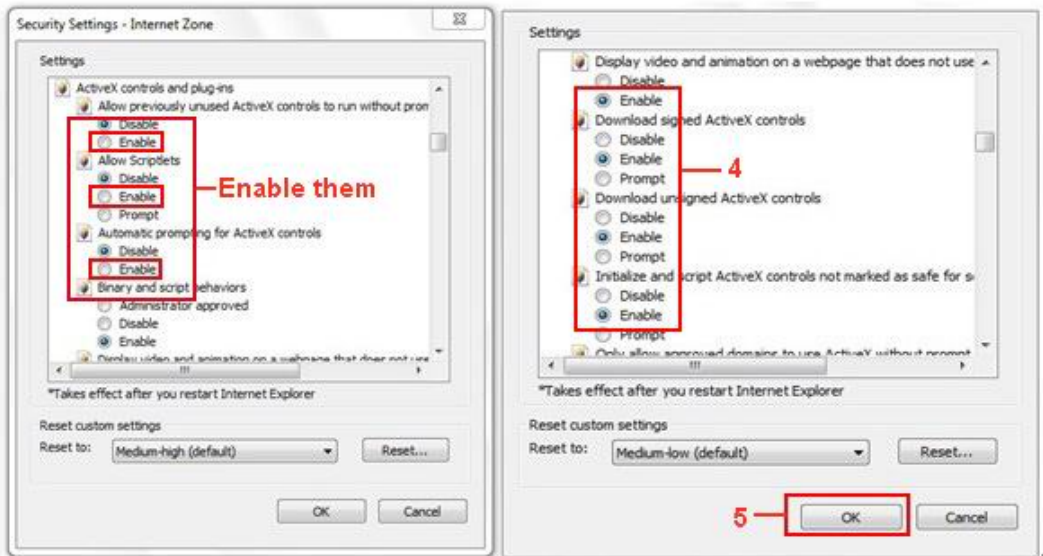
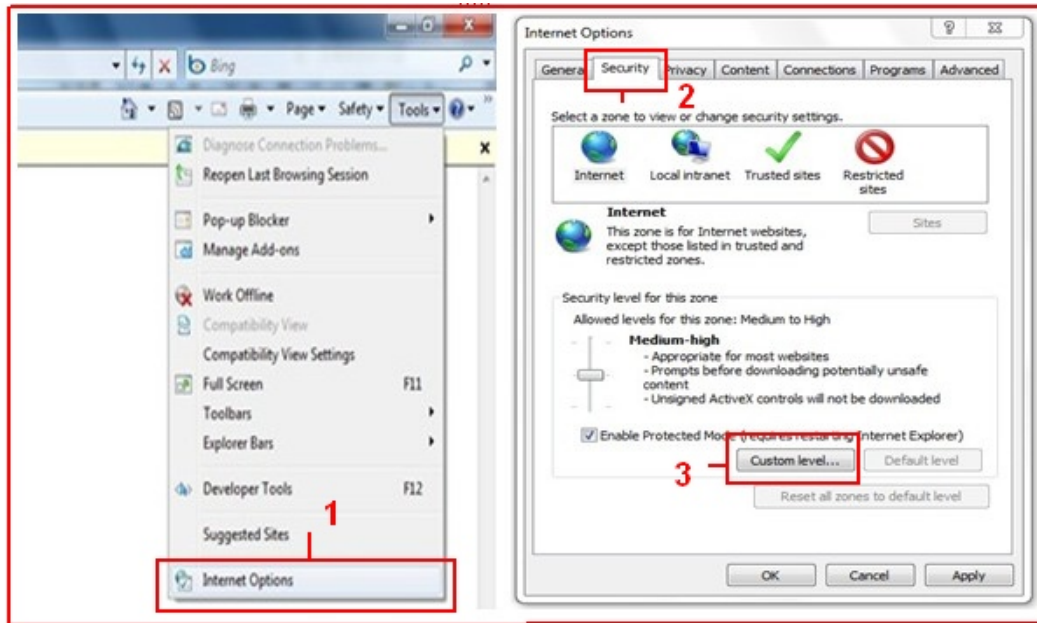
"ActiveX control and Plug-ins", all the ActiveX options set to be "Enable":

Especially:

Enable: Download unsigned ActiveX controls

Enable: Initialize and script ActiveX controls not marked as safe

Enable: Run ActiveX controls and plug-ins



You can also click “Start” menu->“Internet Explorer”, and choose “Internet attributes”, or via “Control Panel” ->“Internet Explorer”, to access Security settings.

NOTE: Make sure that your firewall or anti-virus software doesn’t block the software or ActiveX. If you couldn’t see live video, please close your firewall or anti-virus software, and try again

Install the OCX ActiveX

You can find the plugin in the software from the CD or the download package – install it to your PC
www.pyleaudio.com/manuals/drivers/pipcam8.zip

Internet Explorer Web UI Interface

Note: Full Features for the Camera are Only Available in Internet Explorer. If you are using another browser – you will not see some options and features that are covered in this manual.

Internet Explorer Allows the Extra Features Like

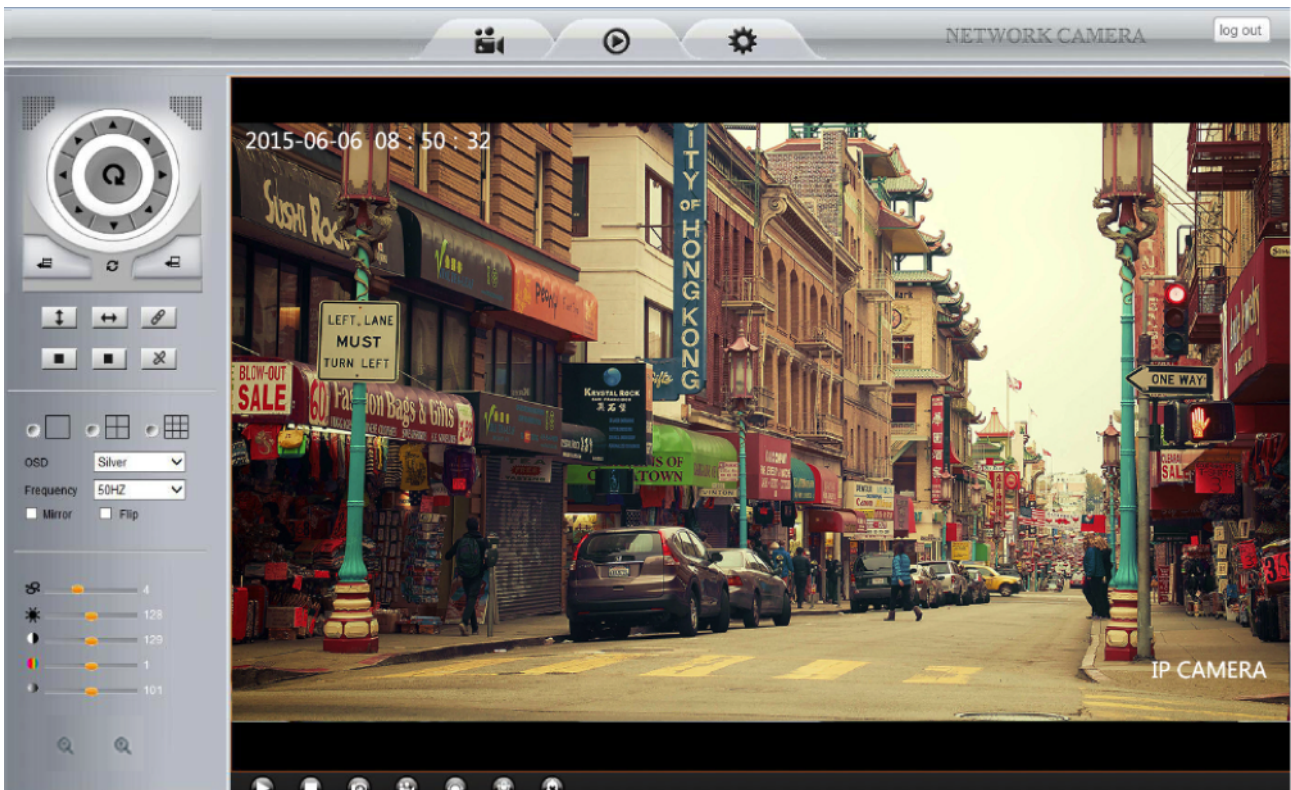
- *Recording your camera
- *Setting and viewing multiple devices
- *Viewing Videos recorded to the SD card

Choose your desired language, input correct user name and password, and then click “**Login**”

Username: admin Password: pylecam




Language : Choose languages here




Internet Explorer Functions




 **Live video:** Selects live video window


 **Playback :** Click to query and playback the video files


 **Settings :** Setting the camera's parameters

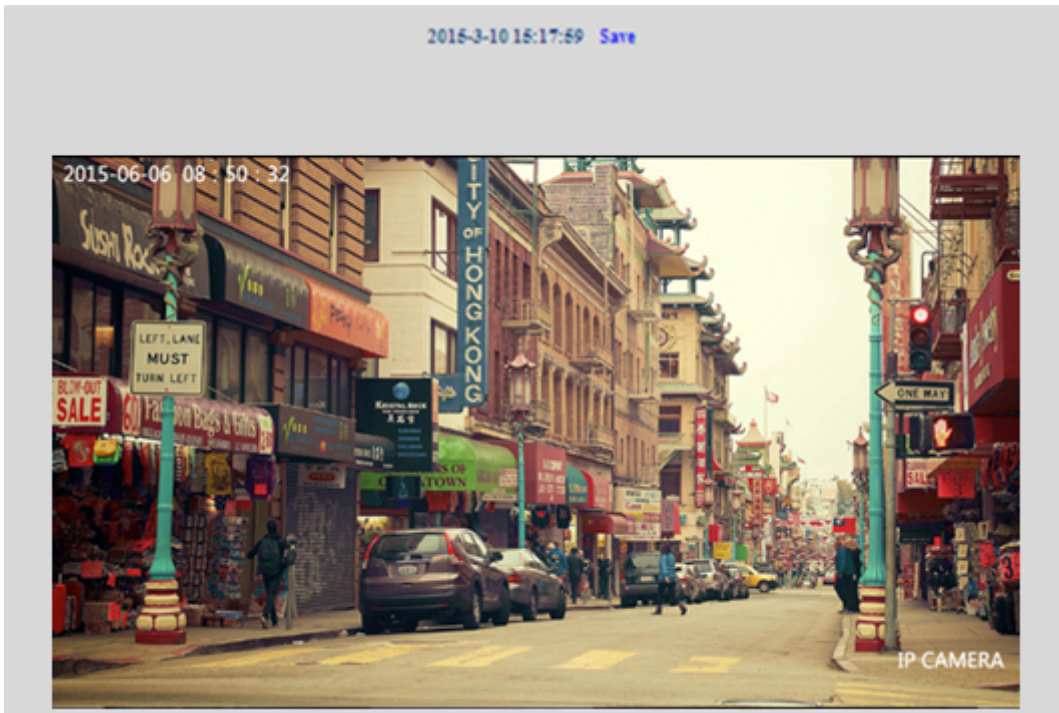
Live Video



 **Play:** Play the live video.

 **Stop:** Stop the live video.

 **Snapshot:** Click to take snapshot, the picture will be saved in the PC to its appointed path as JPG format, and pop-up the prompt as below: (You can click "Save" to save the snapshot)



Record: Click to start the recording; the icon will change to green color.



Audio: Click it to enable listen function; the icon will change to green color



Talk: Click it to enable talk function; the icon will change to green color

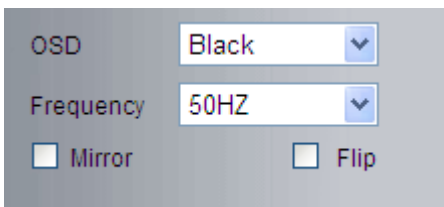


Clear Alarm: Click to stop the alarm manually when there is an alarm triggered, and pop-up prompt as



Full screen: Click to get full screen view;

OSD Settings: Click it will pop-up the OSD settings interface, including OSD Color, Frequency, Image Mirror and Flip.



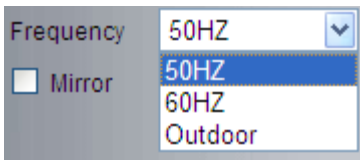
OSD: Means “On-Screen Display”

OSD Color: Including Disabled, Black, Red, Green, Blue, Purple, Gray, Silver, Yellow, Olive, Turquoise, White, Light Blue etc.



Frequency: Including 50HZ, 60HZ, Outdoor.

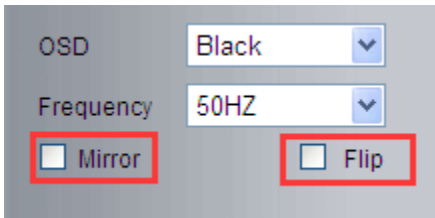
50HZ/60HZ for the users who use 50HZ/60HZ frequency, outdoor for the users who want to use this camera to monitor an outdoor environment (through a window).



Mirror and Flip

-Mirror: Select this checkbox to see a mirror image. Uncheck it to go back to normal.

-Flip: Select this checkbox to flip the image upside down. Uncheck it to go back to normal.



Left Side Menu

Use this menu to control camera PTZ and image settings



PT Control: Set Pan/Tilt as upward, downward, leftward, rightward, up-left, down-left, up-right, down-right,



Center: Click this icon, the camera will pan/tilt, and then stop at the center.



Up: Click this icon, camera will move up, you can click one by one or hold it to control the movement.



Down: Click this icon, camera will move down, click it step by step or hold on to control the movement




Set Preset: It supports 9 preset positions. First, control the camera to rotate to the special position

you need to set, click **Set Preset** button  it will pop-up a dialog frame choose any number (1-9).



Call Preset: It supports 9 preset positions. If you want to monitor an important area quickly and

precisely, just click **Call Preset Position** button  it will pop-up a dialog frame choose the number, then the camera will rotate to the preset position automatically.


If you want to use **Call Preset**, you have to **Set Preset** first.

NOTE: if you set different positions with a same number, the camera will record the last position setting only.



Cruise: Preset cruise, camera can cruise according to the different presets you set.



Click this icon, the camera will rotate up and down, i.e., vertical tilt, click  to stop it



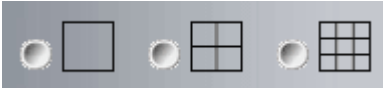
Click this icon, the camera will rotate left and right, i.e., horizontal pan, click  to stop it



Click this icon, IO output Switch ON. Click  to set it OFF.

Multi-Camera Display

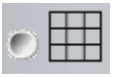
NOTE: If you want to view 4/9 channels, you should set the Multi-Device first



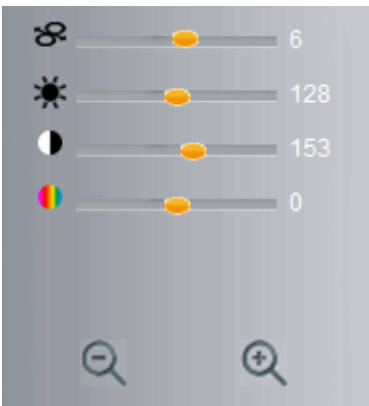
View a single camera



View 4 cameras



View 9 cameras



PTZ speed: set value from 1 to 100, click the icon, it will change back to the factory settings.



Brightness: set value from 0 to 255, click the icon, it will change back to the factory settings.



Contrast: set value from 0 to 255, click the icon, it will change back to the factory settings.



Hue: set value from -128 to 127, click the icon, it will change back to the factory settings.




Zoom-: Zoom in feature

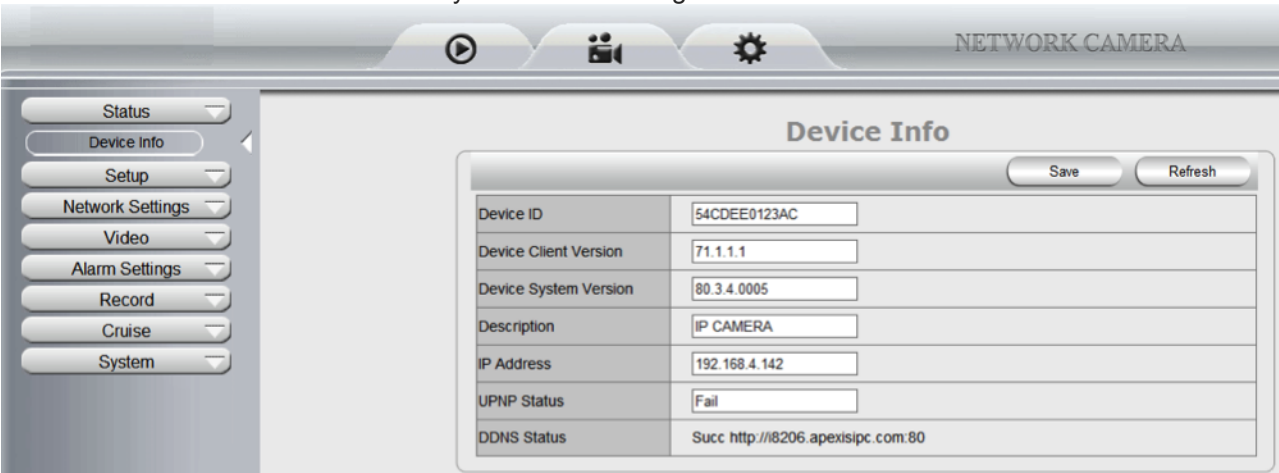


Zoom+: feature Zoom out

SETTINGS

Status----Device Info.

Select the  icon to access your camera settings



Device Info	
Device ID	54CDEE0123AC
Device Client Version	71.1.1.1
Device System Version	80.3.4.0005
Description	IP CAMERA
IP Address	192.168.4.142
UPNP Status	Fail
DDNS Status	Succ http://8206.apexisipc.com:80

Setup

User Permission

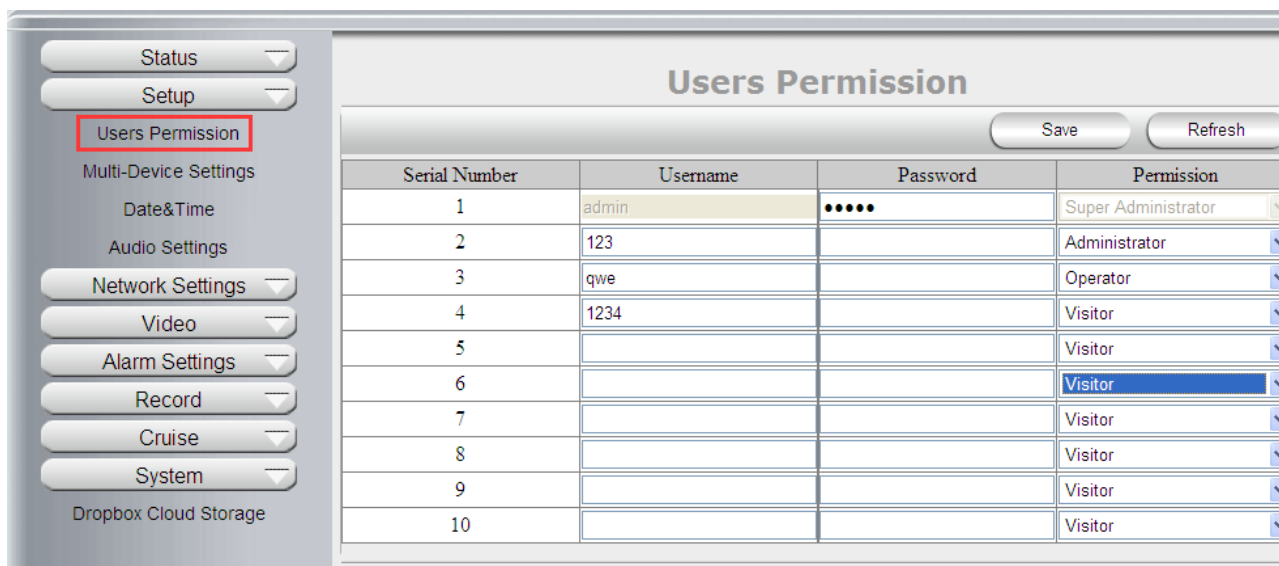
User can set 10 different usernames and passwords for different permission; Permission: Administrator, Operator; Visitor;

Super Administrator : Every device has a super administrator, it has the highest permission, can set all the parameters.

Administrator : Lower permission than super administrator, it can set most of the parameters except adding or editing other administrator accounts.

Operator: Lower permission than administrator, can do some operation such as pan/tilt control and set some parameters.

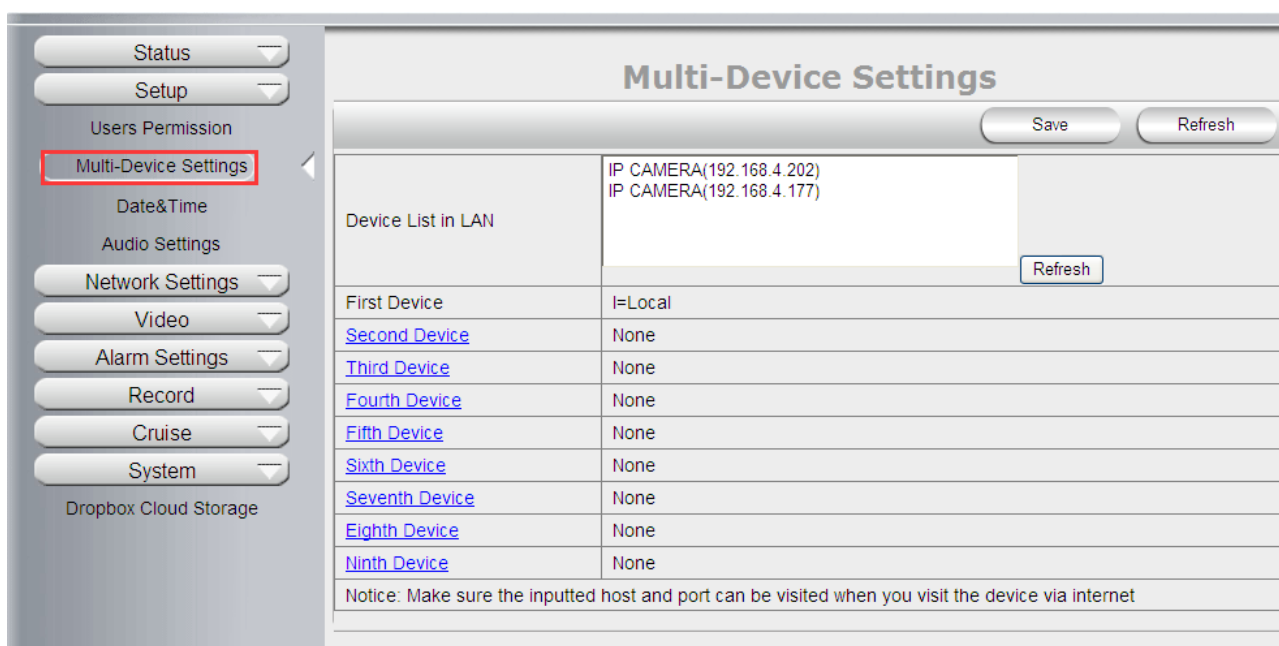
Visitor: The lowest permission, only can view live video, can't control the pan/tilt, parameter settings etc.



Multi-Device Settings

See the help video for setting up multi device [online](#)

Click “**Multi-Device Settings**” to enter the interface:



If you have more cameras in same LAN network, software can auto-detect them and list in “Device List in LAN” Enable the channel you want to add; Choose the IP, input host (for camera in different network, you will need to input external IP address/DDNS address), web port, media port, username, and password manually, click Add to submit.

Date & Time

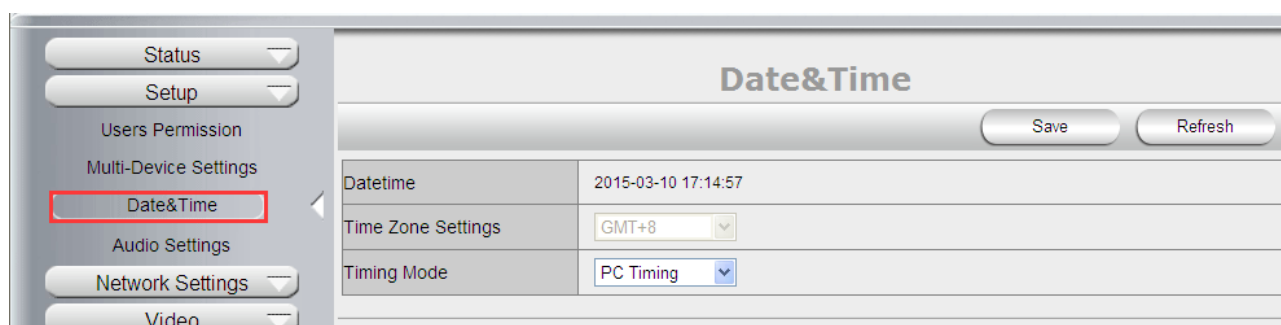
Date Time: Display the current date and time

Time Zone: Set the current time zone select the working time server.

Time Mode: Can choose PC Time or NTP Time.

PC Timing: Camera will set the time the same as your PC.

NTP Server: User will need to select a working time server and select the time zone.



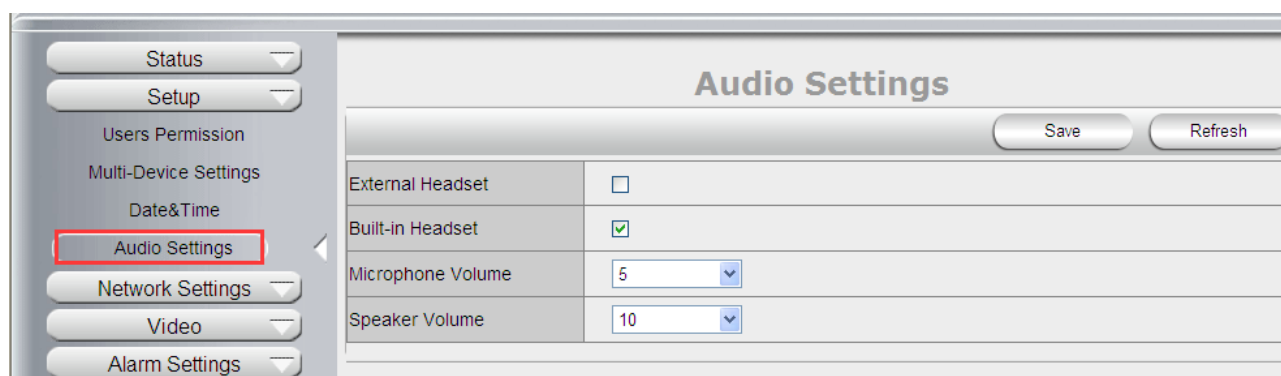
Audio Settings

External Headset: User needs to enable this feature, to connect external audio device like speak, Mic.

Built-in Headset: This means the built-in Headset port; located in the cable

Microphone Volume: User can adjust the volume of Microphone

Speaker Volume: User can adjust the volume of Speaker



Network Settings

Network Type: User can set Dynamic Address to obtain IP directly from router, or set a Static IP manually.

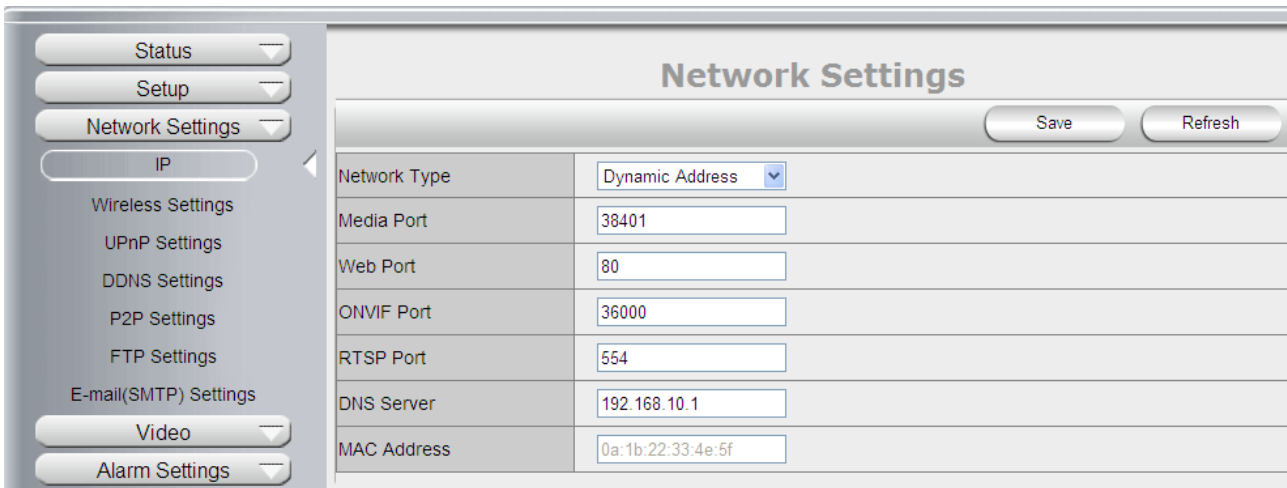
Media Port: User can set the Media port to transfer video if need to view camera remotely. (Works with DDNS or external IP)

Web Port: User can set the web port to transfer video if need to view camera remotely. (Works with DDNS or external IP)

ONVIF: User can set ONVIF port to work with other ONVIF device like NVR

RTSP Port: Default 554

DNS server: User can change DNS IP settings.



Wireless Settings

Click the icon “**Search**” to scan the wireless network in this environment automatically.

Using Wireless LAN: Set Wi-Fi ON/OFF.

SSID: the ID of Wireless network, it should be the same SSID as the connected Wi-Fi router.

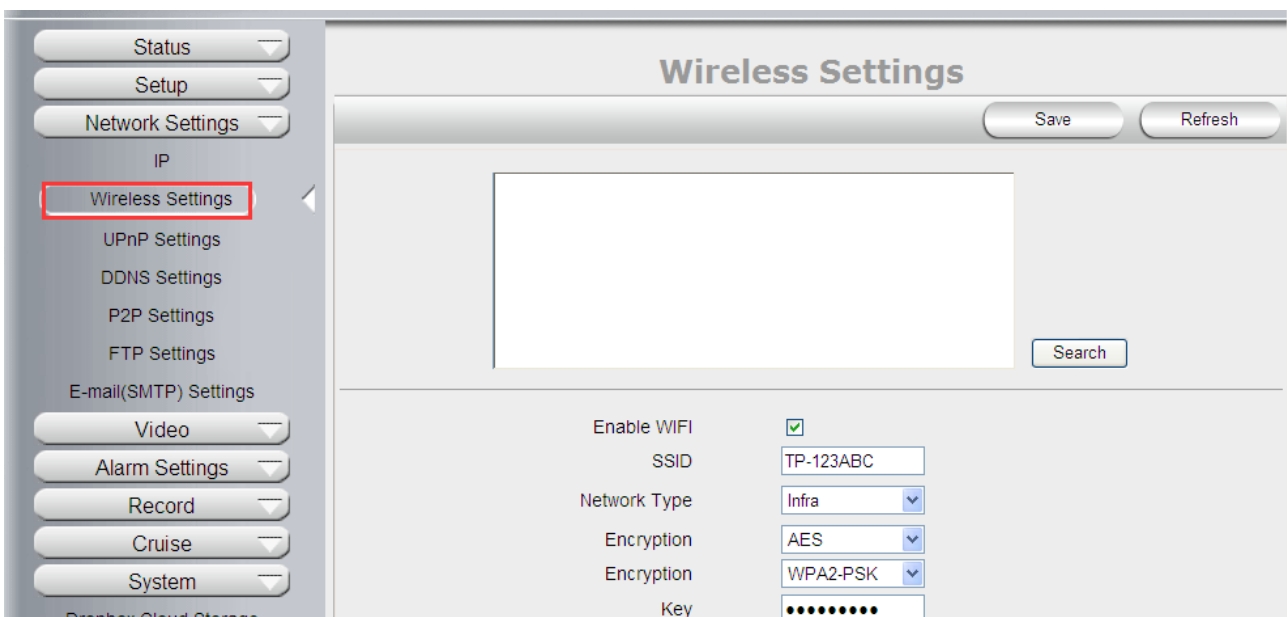
Network Type: Two modes:

1. **Infra** (Infrastructure Mode), if using normal AP, choose **Infra** mode.
2. **Ad-Hoc** Mode. If using point-to-point transmission, choose **Ad-Hoc** mode.

The factory setting is **Infra**.

- **Encryption:** WEP, TKIP, AES optional.
- **Authentication:** **WEP:** Open System or Share Key. **TKIP (AES):** WPA-PSK or WPA2-PSK.
- **Select Key:** Choose the channel of WEP share Key.
- **Key:** Input the key the same as the settings in your router.

All the Wi-Fi encryption mode settings should be the same as your Wi-Fi router, and different encryption has different authentication menu.

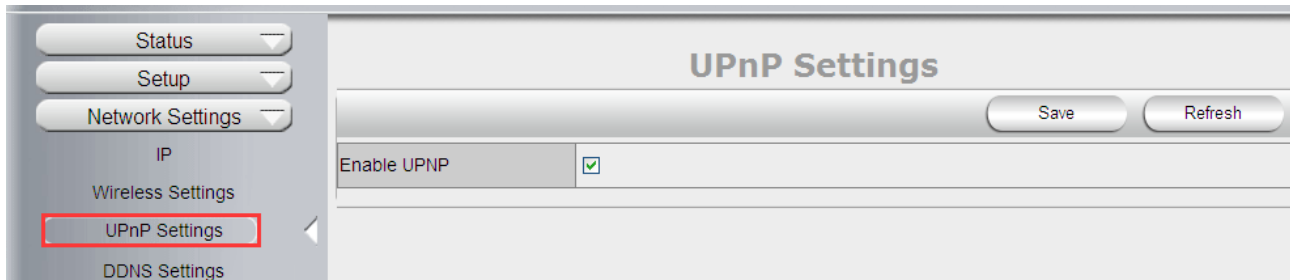


UPNP Settings

Enable UPNP: Set UPNP function ON/OFF – this will enable port forwarding for remote viewing

NOTE: Here UPNP only for port forwarding now. It has much relation with security settings of your router, make sure the UPnP function of router is ON.

ATTENTION: If your router doesn't support UPNP function, it may show error information. So we recommend you do port forwarding manually in your router.



DDNS Settings

There are 2 options:

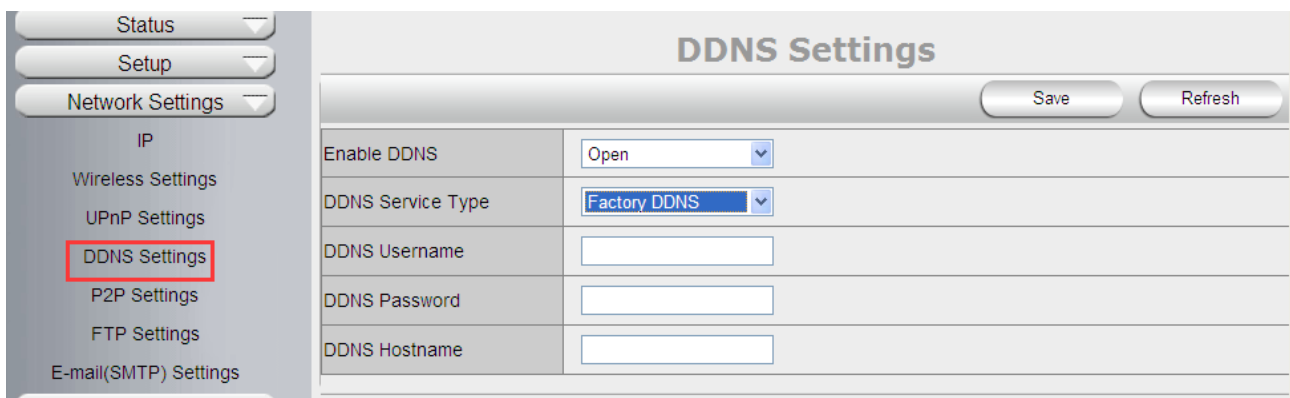
Factory DDNS: This domain is provided by the manufacturer.

Third Party DDNS: This domain is provided by a 3rd party, such as DYNDNS, 3322 etc.

- **Enable DDNS:** Set DDNS function ON/OFF.
- **DDNS Server Type:** Set DDNS server type, such as factory DDNS or third party DDNS server provider.
- **DDNS User:** Registered user name from DDNS server. (If you use factory DDNS, it can't be modified.)
- **DDNS Password:** Registered password from DDNS server. (If you use factory DDNS, it can't be modified.)
- **DDNS Host Name:** Domain name set by user. (If you use factory DDNS, it can't be modified.)

For the third party DDNS, you have to register an account first, keep the user, password, host, then input it.

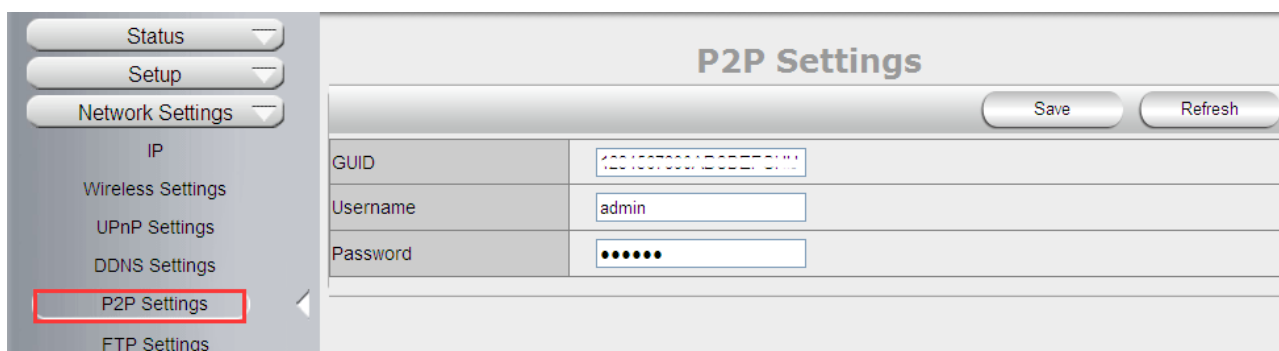
NOTE: Only one DDNS can be chosen, for example, if you use manufacturer's DDNS, the 3rd one won't work, if you use a 3rd DDNS, the manufacturer's one won't work.



P2P Settings

Access and change the GUID (Unique camera ID)

Change the camera user name and password



FTP Settings

Set FTP service, Snapshots will be delivered to appointed FTP server when alarmed.

Enable FTP: Set FTP function ON/OFF.

FTP Server: Set FTP server address.

FTP Port: Set the port of FTP server, default is 21.

FTP User: Set the user name of FTP server.

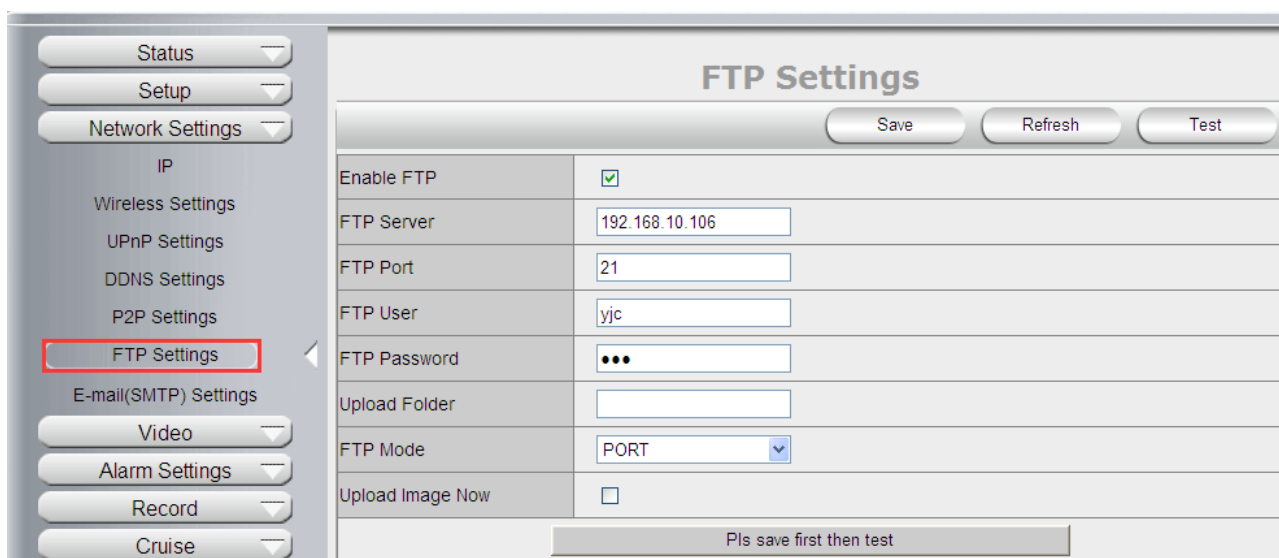
FTP Password: Set the password of FTP server.

Upload Folder: Set the path of remote FTP server. Make sure that the folder you plan to store images exists. (The camera cannot create the folder itself). Also, the folder must be erasable.

FTP Mode: It supports standard (POST) mode and passive (PASV) mode.

Click save to submit, click test to check the settings.

NOTE: When alarmed, there will be 3 snapshots sent to the FTP server every 1 second



E-mail (SMTP) Settings

Enable Email: Set e-mail function ON/OFF.

Sender: Set sender's name or email address

Sender's email: Set sender's email address.

Receiver: Set receiver's email box. (Supports 3 receivers' emails simultaneously)

SMTP Server: The sender address SMTP server.

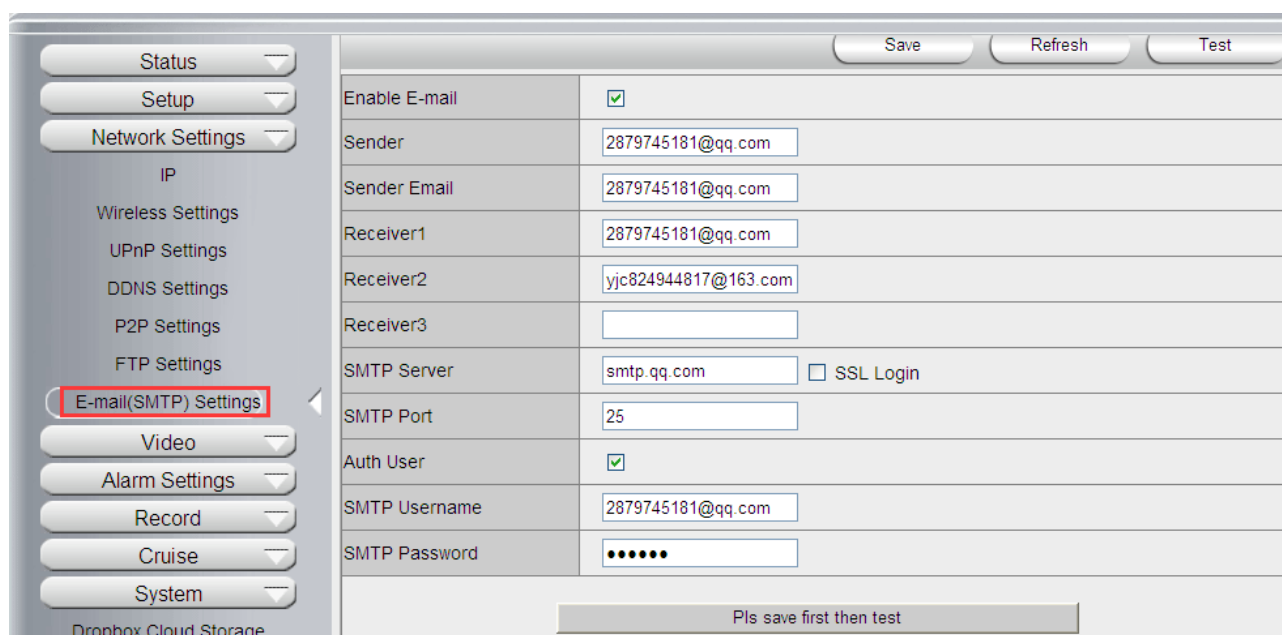
SMTP Port: The sender's SMTP Port, usually is 25, some SMTP servers have their own port, e.g., the smtp port for Gmail is 465.

Auth User: Verify the user settings.

SMTP Username: Set sender's user name or email address.

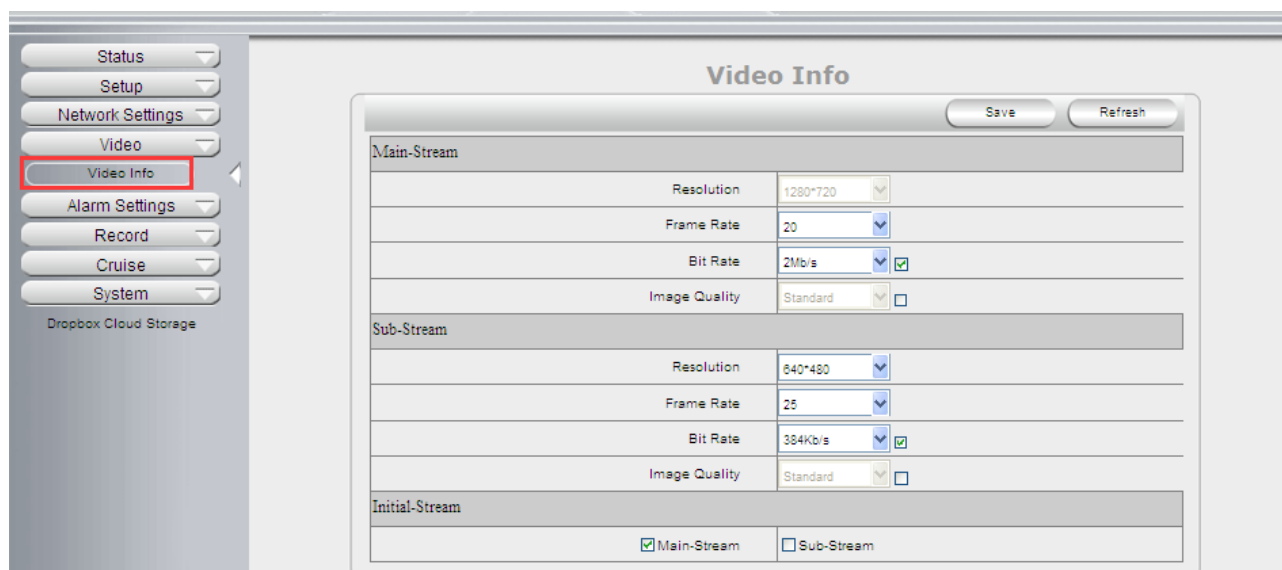
SMTP password: Set sender's email address password.

Note: User can save the settings first, then click Test button to see if settings working. If not, double check your settings or spelling.



Video Info.

Click "Video Info" to enter the interface as below:



There are two options for stream, **Main-Stream** and **Sub-Stream**, you can set the stream based on the actual operation environment, for example, if the bandwidth is good enough, set Main-Stream as Initial-Stream, or choose Sub-Stream if better.

Set the parameters of **Main-Stream** and **Sub-Stream** as below:

Resolution: 1280 x 720, 640 x 368, 320 x 208 optional.

Frame Rate: Set the frame rate according to the bandwidth. Frame rate could be “Auto” or “from 1 fps to 30 fps (Real time)”. If the network situation is not ideal, you can reduce the frame rate to control the coding rate, make the moving pictures smoother.

Bit Rate: Higher bite rate means better quality images, but takes more bandwidth, so adjust the settings according to the actual bandwidth available. The range of bit rate from 128 Kbps ~ 4 Mbps.

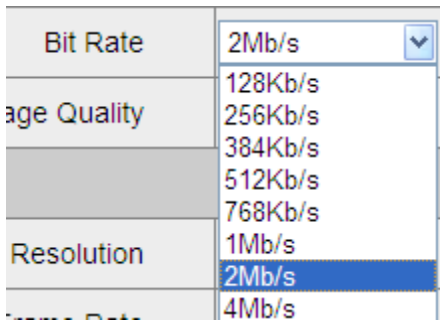
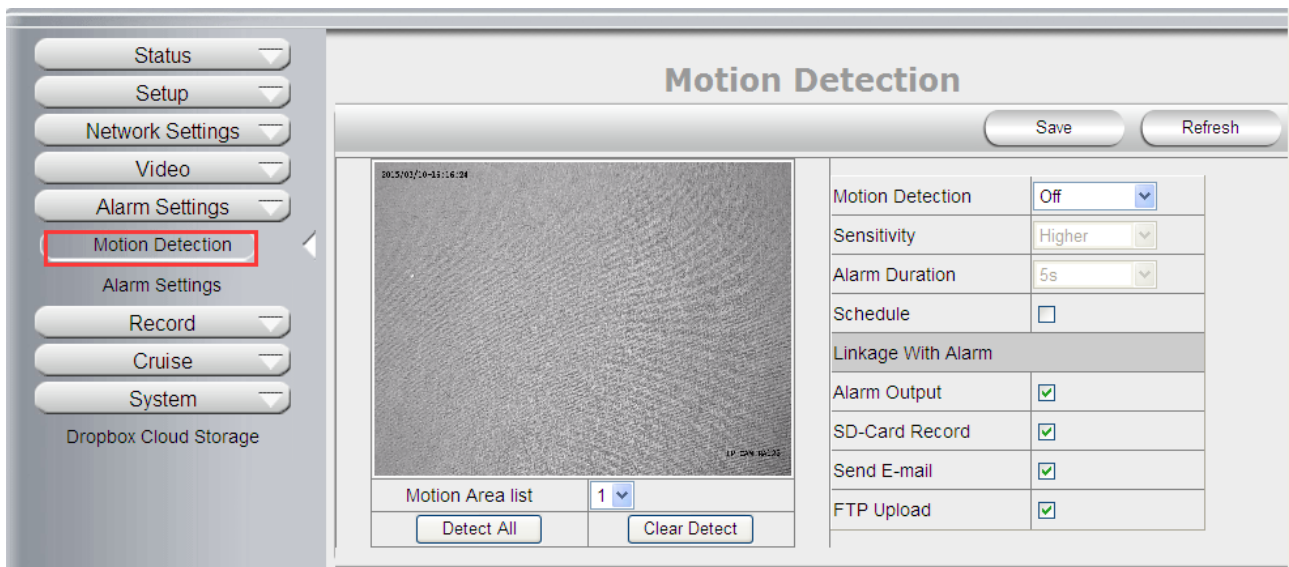


Image Quality: Better image quality, higher bit rate value, but it will take more bandwidth, the image quality parameters could be set as below:



NOTE: When the device runs, only can select Bit Rate or Image Quality either.

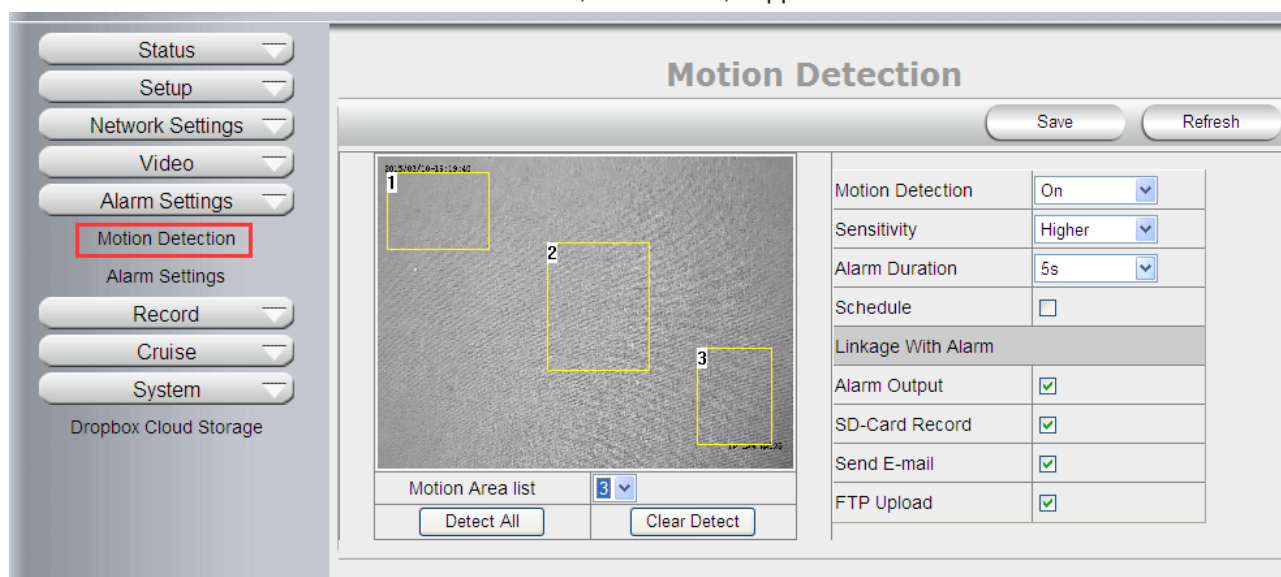
Motion Detection



Motion Detection Zone Armed:

Can set all zones to be armed, or a specified zone armed.

Before setting a specified zone, you should set "Motion Detection" to "ON", then press left mouse, drag the mouse onto video area to set the detection zone, and save it, supports 3 areas.



- **Detect All:** Setting the whole video window as the motion detect armed zone.
- **Clear Detect:** Clear all armed zone.
- **Motion Detection:** Set motion detection armed function ON/OFF.
- **Sensitivity:** Set detection sensitivity as Low, Middle, High, Higher, Highest.
- **Alarm Duration:** Set each alarm duration, can be forever, 5s, 10s, 15s, 30s, 60s.

Action with Alarm

These are linkage actions optional for motion detection. User can select the alarm relative alarm convenient to them.

Alarm output: Select it to enable alarm output, unselect to stop.

SD-Card Record: Select it to enable record to SD card, unselect to stop.

Send E-mail: Select it to enable E-mail alert function, unselect to stop.

FTP Upload: Select it to enable FTP upload function, unselect to stop. .

Click **Save** to save all the settings.

Click **Update** to refresh the settings.

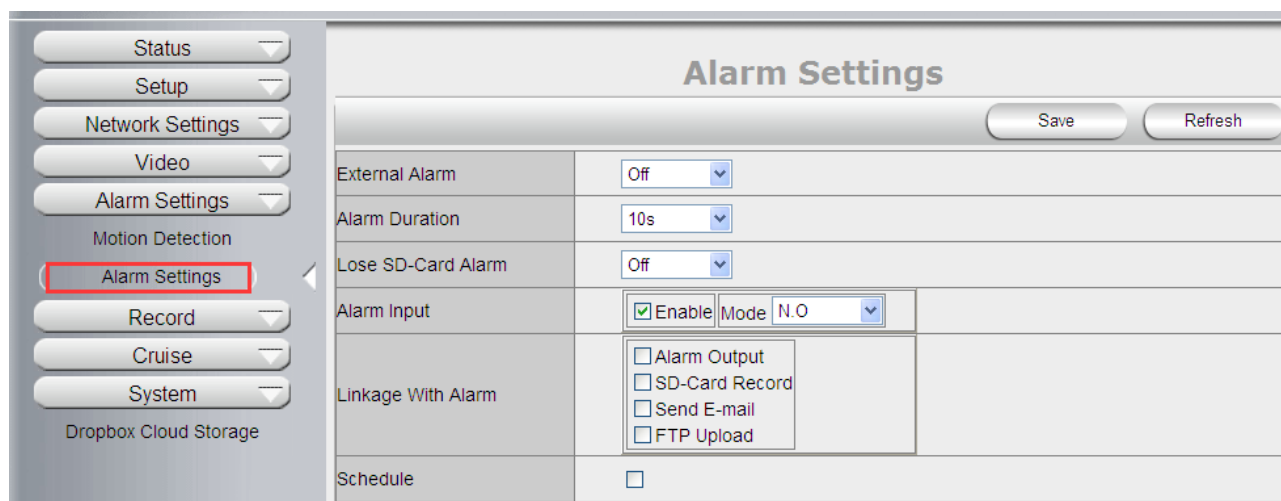
Linkage With Alarm	
Alarm Output	<input checked="" type="checkbox"/>
SD-Card Record	<input checked="" type="checkbox"/>
Send E-mail	<input checked="" type="checkbox"/>
FTP Upload	<input checked="" type="checkbox"/>

Alarm Settings

External Alarm: Set external alarm function ON/OFF.

- **Alarm Duration:** Set external alarm output duration (Relay close time), can be Forever, 5s, 10s, 15s, 30s, 60s.
- **Lose SD-Card Alarm:** Set alarm triggered ON/OFF if the SD-Card is lost.

- **Alarm Input:** Set alarm input ON/OFF, it supports NO/NC external alarm device, choose the correct mode to make sure it works well, it refers to the I/O pin6 (Input2) and pin7 (Input1).



Alarm output: Select it to enable alarm output, unselect to stop.

SD-Card Record: Select it to enable record to SD card, unselect to stop.

Send E-mail: Select it to enable E-mail alert function, unselect to stop.

FTP Upload: Select it to enable FTP upload function, unselect to stop. .

Click **Save** to save all the settings.

Click **Update** to refresh the settings.

Linkage With Alarm	
Alarm Output	<input checked="" type="checkbox"/>
SD-Card Record	<input checked="" type="checkbox"/>
Send E-mail	<input checked="" type="checkbox"/>
FTP Upload	<input checked="" type="checkbox"/>

Record

Local Settings

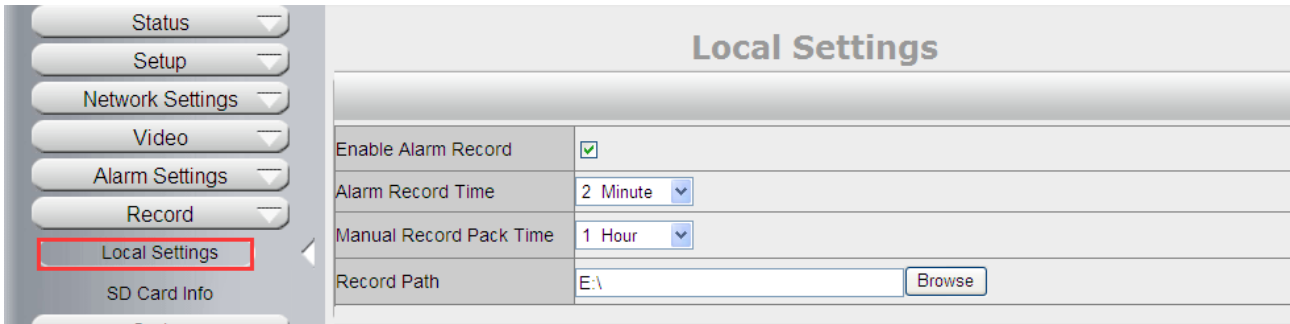
Note: This feature will suitable for IE only, as other browsers not support IE activeX.

Enable Alarm Record: Camera will record to the path user set when Alarm happens.

Alarm Record time: User can set the record time when Alarm happens. Such as 2 mins.

Manual Record Pack time: User can set the manual record time, such as 2 hours. Once click the “Record” button under the live video screen, camera will record as long as user set.

Path: This belongs to the PC path, user can set the PC path to store all records.



SD Card info

Device Name: Display the name of SD card.

Total Size: Display the total size of SD card

Balance Space: Display the free space of SD card

Status: Display the state of SD card.

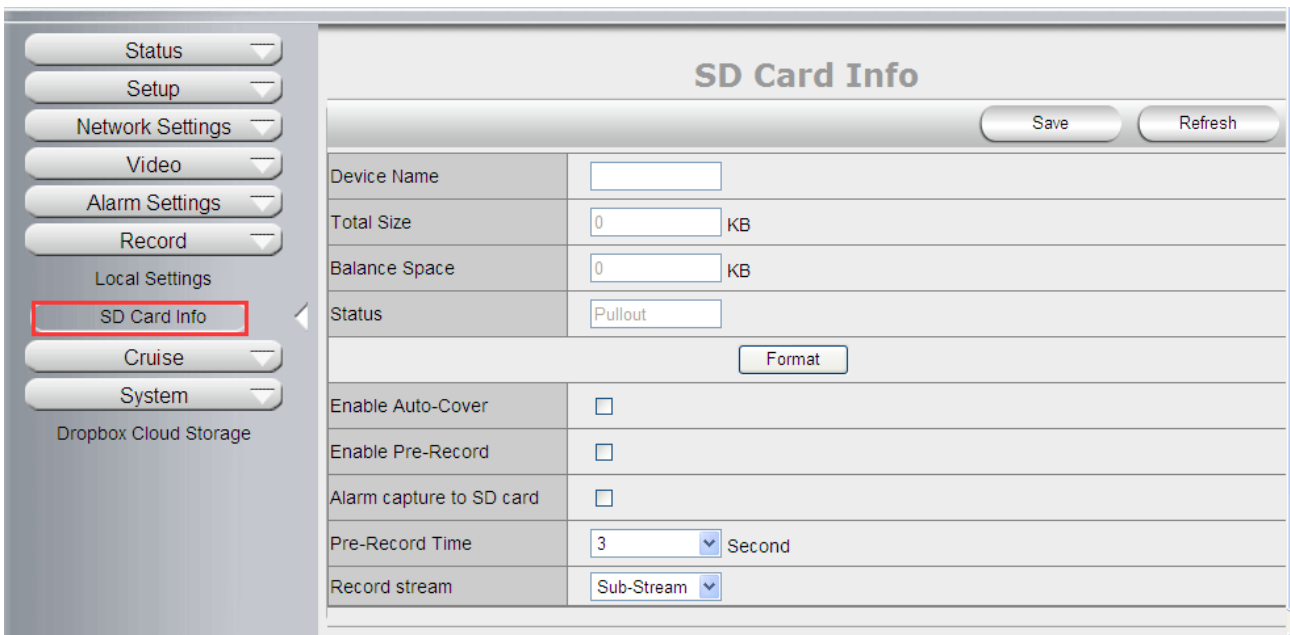
Format: Click it to delete all data and format the SD card. (All data will be lost if formatted).

Open Auto cover: Set SD card auto cover when it's full.

Open Pre-recording: Set Pre-recording function (Record the video before alarm triggered).

Pre-recording Time: Set the Pre-recording time, can be from 1 to 6 seconds.

Record Stream: Choose the stream here: Main Stream and Sub Stream.



Cruise

Cruise works support 9 directions; User can set the locations, then camera can keep cruising under the directions.

Cruise Name: User can set the Name for the cruising Plan.

Status: Enable or disable

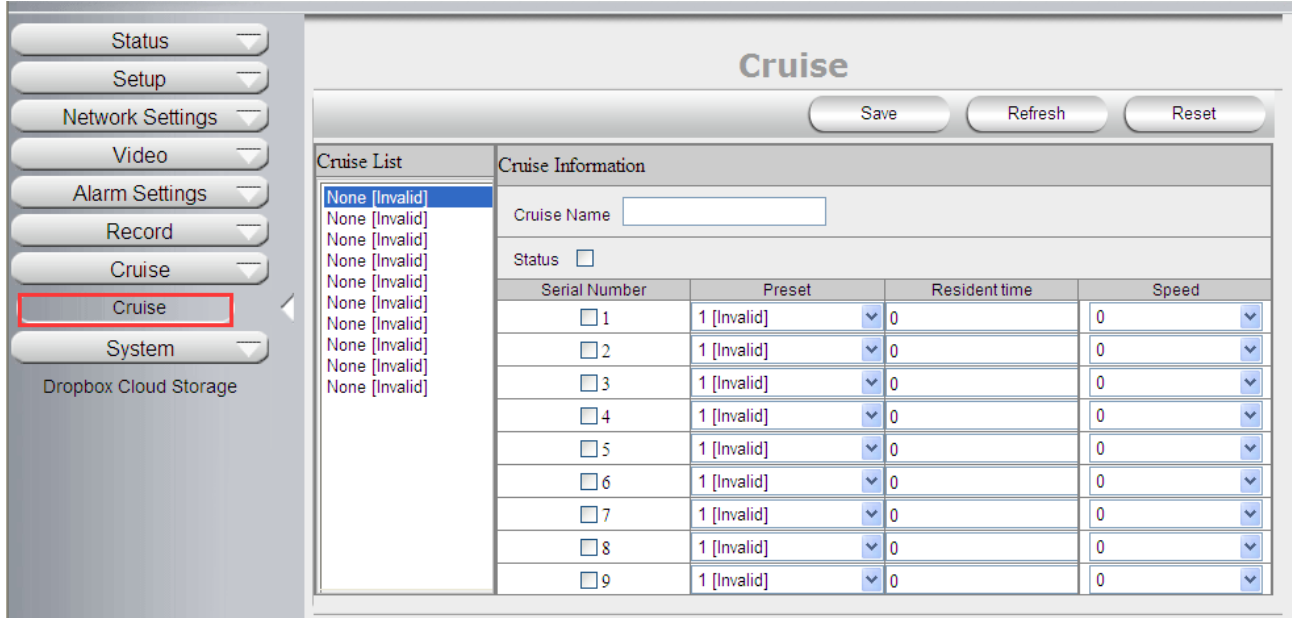
Serial Number: User can set the locations or path for cruise.

Preset: Camera will follow from 1 to 9; User can set different location with different Number.

Resident Time: Camera stay time: Such as, Preset 1; Resident time: 3 seconds; Then when camera in preset 1 location, will stay for 3 seconds.

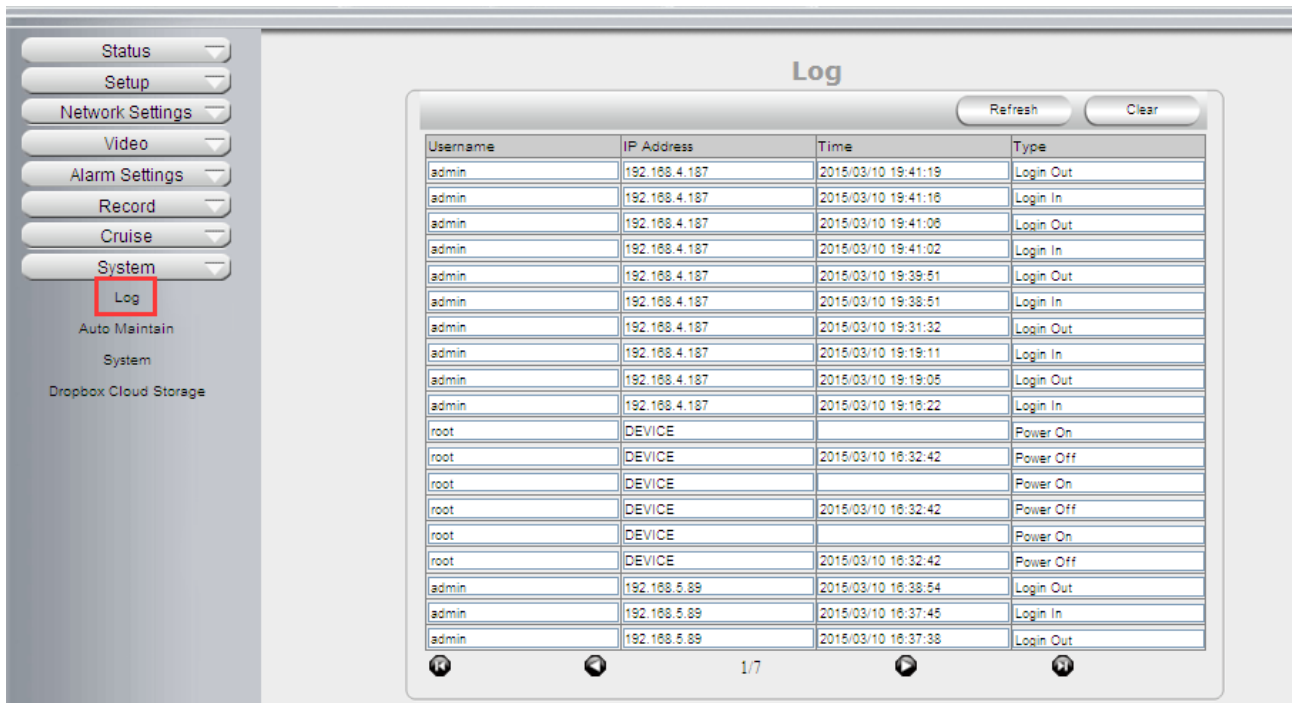
Speed: camera moving speed.

Note: After setup, user can go to live video screen, and call the “Cruse” under the panel.



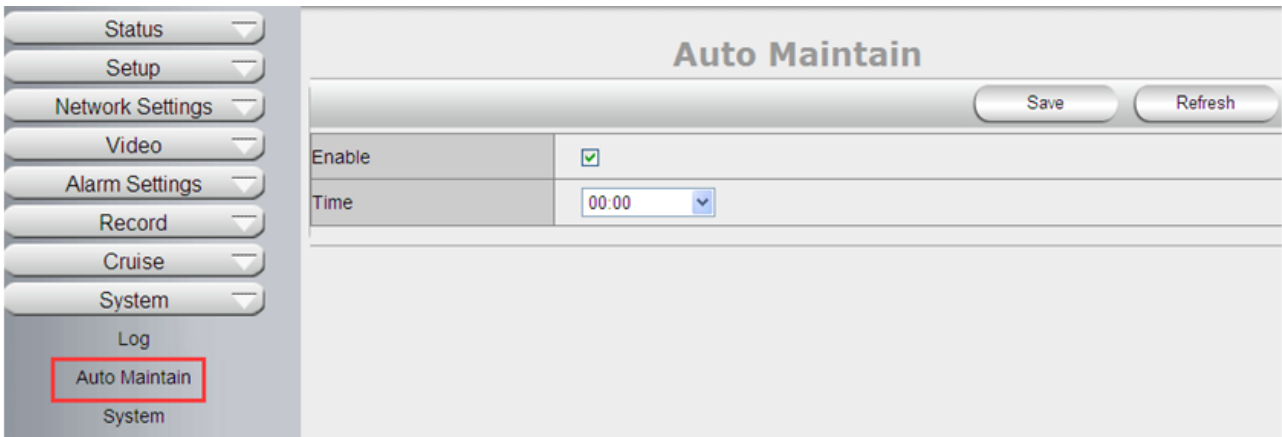
System Log

Log provides information of camera, login, log out, alarm, power on/off



Auto Maintain

Auto Maintain provides an auto protection of hardware; Set a time such as 24:00; Then camera will auto reboot; and refresh the hardware performance.



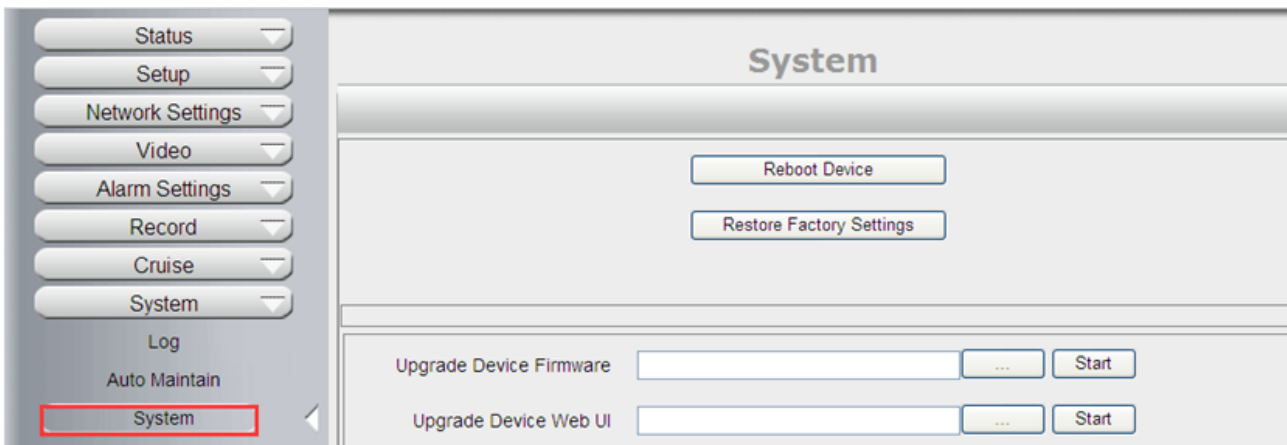
System

Reboot Device: Camera will get reboot.

Restore factory settings: User can restore factory settings once forget password, settings..etc.

Upgrade Device Firmware: To upgrade or degrade the camera firmware. (The firmware needs to store in the same camera you are viewing camera.)


Upgrade Device Web UI: To upgrade or degrade the camera web UI. (The firmware needs to store in the same camera you are viewing camera.)

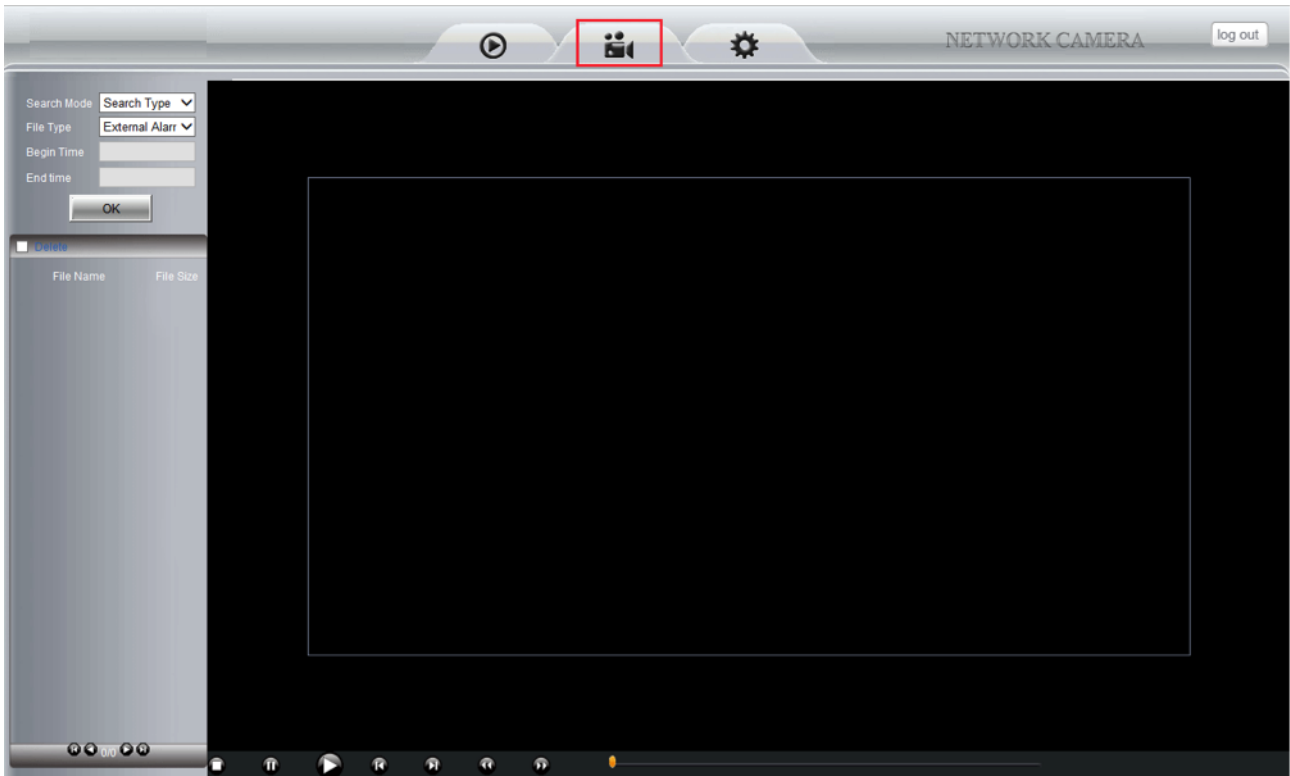


PLAYBACK

Note: Playback function shows under IE ActiveX mode only. Other browsers not support this feature.



Click  login the playback interface, this is for SD Card files playback. So If User not have SD card in the camera or not have any file in SD card, will not work.



Search Mode: User can search the record, snapshot... etc by different methods.


Search Type: External Alarm and Motion detection optional; Select External Alarm; Camera will search the alarm file from External alarm which comes from other device; Select motion detection, Camera will search the alarm file from motion detection.

Search All: Camera will search all file in SD Card.

File type: External Alarm and Motion detection optional. This option works only work when user select Search Type from Search mode

Begin Time and End Time: This feature work when user select Search Time from Search mode; Select a begin time, and end time, camera will search these files in the time area.

Click "OK" icon, will pop-up a window for search file, set the mode or time, click OK to submit, then all the correlative files will be listed on the left side.

After searching, files will be listed on the left side window, choose the file, double click it or click play icon  to start replay. Users can check the replay file information here, do other operation such as **Stop**, **Pause**, **Previous**, **Next**, **Fast Backward**, **Fast Forward** etc.



FREQUENTLY ASKED QUESTIONS

I have forgotten the administrator username and/or password

There is a [**RST**] button on the rear panel, keep the power on, hold the reset button for 30 seconds, it will restore back to factory default settings as below:

Username: admin


Password: pylecam

NOTE: Please don't press **RST** button unless you are sure you want to do it.

There is no picture displayed in IE browser (For IE only)

It maybe the ActiveX problem,

If using the IE browser for the first time, you should install the ActiveX control, details as below:

Before login, click the ActiveX icon  at the right side of interface to download, save the file, run it to install the ActiveX.

Fail to visit IP camera via IE after upgrading (For IE Only)

Solution: Clear the browser buffer.

Steps: Open **IE**>click "**Tools**"> "**Internet Options**">"**General**">"**Delete**"> "**Internet temporary files**", delete the cookies and temporary files, then click "**OK**" and re-login.

The video is not smooth

Possible reason 1: The frame rate value is too small.

Solution: Increase the frame rate value.

Possible reason 2: Too many users are connecting to the device.

Solution: Close some connection or reduce the video frame rate.

Possible reason 3: Network bandwidth is too low, lots of lost packets.

Solution: Reduce the video frame rate or video compression bit rate.

Fail to visit IP camera via IE browser

Possible Reason 1: Network is disconnected.

Solution: Connect your PC to network, check whether the network works well or not. Check if there's a problem with the cable connection, or network problem caused by PC virus.

Possible reason 2: IP Address has been occupied by other devices.

Solution: Stop the connection between IP camera and network; connect the IP camera to PC.

Directly reset IP address according to the proper operations recommended.

Possible reason 3: IP addresses are in different subnets.

Solution: Check IP address, Subnet masking and Gateway.

Possible reason 4: Physical address of network conflicts with the IP camera.

Solution: modify the physical address of IP camera.

Possible Reason 5: Web port has been modified.

Solution: Contact as Network Administrator to obtain related information.

Possible Reason 6: Unknown.

Solution: Press RESET to restore to factory settings then connect it again, the default IP address is 192.168.1.155, subnet mask is 255.255.255.0

The color of image is abnormal (Green or other color)

Sometimes the IP camera images cannot be displayed properly because of different graphics cards, the images appears to be green or other colors, then you should run the program "Config.exe" from the downloaded OCT files.

(or run C:\windows\system32\Config.exe) to set the following parameters for the display buffer: auto-detection, used display card memory or system memory, then run IE, connect IP camera again.

There is no voice while monitoring

Possible Reason 1: No audio input connection.

Solution: Check audio connection of the host.

Possible Reason 2: the relative audio option of IP camera is OFF.

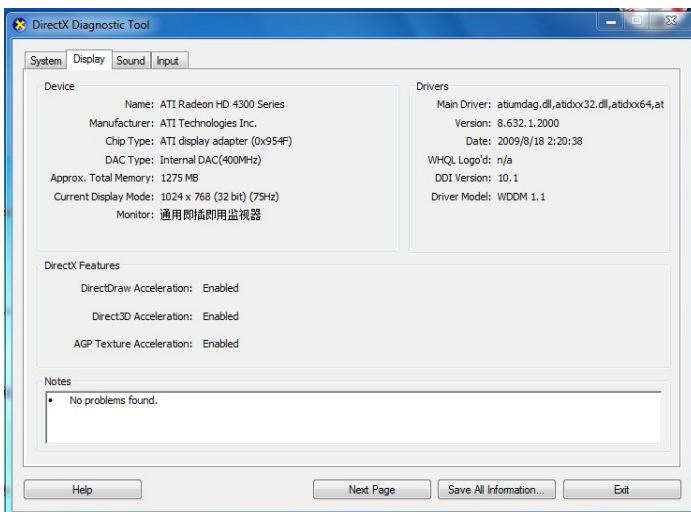
Solution: Check audio parameter settings to see if you have set the audio option ON, but without external audio input.

Image processing doesn't work properly

Possible Reason 1: System problem, DirectX function is disabled, which will cause slow display of images and abnormal color.

Possible Reason 2: Hardware problem, graphics card doesn't support image acceleration and hardware zooming functions. (For hardware issue, the only solution is to change your graphics card).

Solution: Install DirectX image driver, then click "Start">"Run">input "dxdiag", set enable "DirectDraw Acceleration" "Direct3D Acceleration" "AGP Texture Acceleration" functions.



Note: If you are unable to do it, it means your DirectX is not installed properly or hardware doesn't support this function.

Fail to use DDNS

Possible Reason 1: The PC or IP Camera can't connect to the internet.

Solution: Check the internet connection and settings.

Possible Reason 2: Port forward is not set in router.

Solution: Set the port forward of extranet in router correctly.

For example, if IP Camera address is: 192.168.1.100, Media port is 38401, Web port is 85, factory DDNS is http://test.aipcam.com.

Set Port Forwarding in the router.

This is an important step. You need to set port forwarding in your router, to refer to the IP of your camera correctly, for DDNS to work. There are so many kinds of routers, so it's difficult to show fixed steps, but here are some samples of different router's port forwarding settings, just for reference:

TP-LINK:

1. Login to the router.



2. Choose "Forwarding", select "Virtual Servers"

3. Click the Add New button, pop-up below:

Add or Modify a Virtual Server Entry

Service Port: (XX-XX or XX)
IP Address:
Protocol:
Status:
Common Service Port:

Fill in the service port (don't use 80), IP address of the camera, then click Save

NOTE: The port and IP address should be the same as the camera.

Fill in the **web port**, for example port 85, IP address as 192.168.1.100, click Save.

Repeat step 3 above, it will pop-up the window again, fill in the **media port** as 38401, IP address as 192.168.1.100, then save.

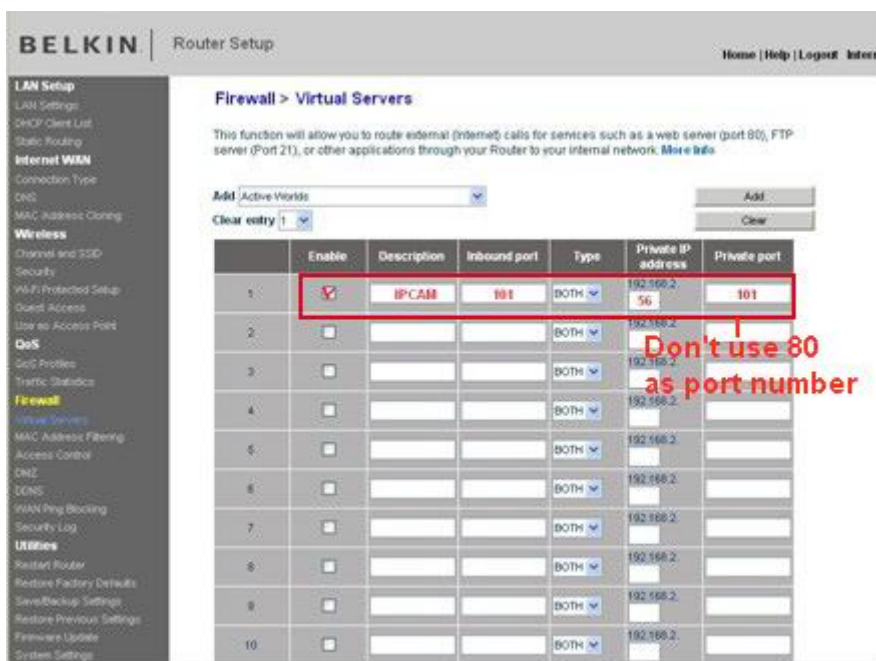
Then check the “Device Info” –“DDNS Status”,

It will show DDNS: <http://test.aipcam.com:85> , input this link in IE, then you can visit this camera remotely.

BELKIN:

1. Login to the router.
2. Choose “Firewall”, select “Virtual Servers”
3. Input the port (don’t use 80) and IP address, then click save.

NOTE: The port and IP address should be the same as the camera.



DLINK:

1. Login to the router.
2. Choose “Advanced”, select “Virtual Servers”
3. Input the port, IP address, Protocol, then click save.

NOTE: The “public port” & “private port” should be the same as camera’s port, choose the protocol to be “both”.

D-Link

DIR-601 //	SETUP	ADVANCED	TOOLS	STATUS	SUPPORT
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VIRTUAL SERVER

PORT FORWARDING

APPLICATION RULES

QOS ENGINE

NETWORK FILTER

ACCESS CONTROL

WEBSITE FILTER

INBOUND FILTER

FIREWALL SETTINGS

ROUTING

ADVANCED WIRELESS

ADVANCED NETWORK

IPV6

VIRTUAL SERVER

The Virtual Server option allows you to define a single public port on your router for redirection to an internal LAN IP Address and Private LAN port if required. This feature is useful for hosting online services such as FTP or Web Servers.

24 --- VIRTUAL SERVERS LIST

	Name	Application Name	Public Port	Protocol	Traffic Type	Schedule	Inbound Filter
<input type="checkbox"/>	rivomaxcam	<< HTTP	81	Both	Both	Always	
	IP Address	<< Computer Name	Private Port				
	192.168.0.107		81	256	Allow All		
<input type="checkbox"/>		<< Application Name	0	TCP	Always		
	IP Address	<< Computer Name	Private Port				
	0.0.0.0		0	6	Allow All		
<input type="checkbox"/>		<< Application Name	0	TCP	Always		
			Private Port				

Helpful Hints...

Check the **Application Name** drop down menu for a list of predefined server types. If you select one of the predefined server types, click the arrow button next to the drop down menu to fill out the corresponding field.

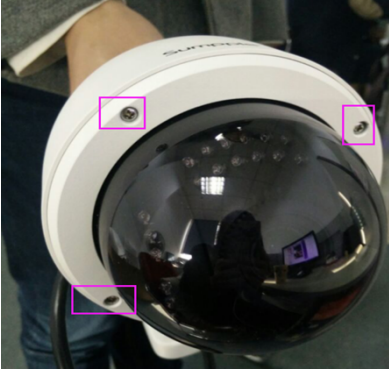
You can select a computer from the list of DHCP clients in the **Computer Name** drop down menu, or you can manually enter the IP address of the LAN computer to which you would like to open the specified port.

Select a schedule for when the virtual server will be enabled. If you do not see the schedule you need in

How to install the SD card

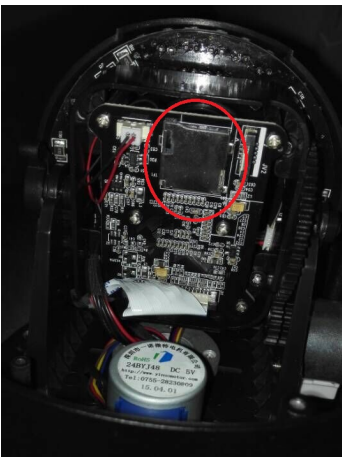
PIPCAMHD46 does not come shipped with the SD installed – to install a SD card

1. Open the lens cover.



2. Turn the camera to one side and you can see the slot on the back of it as the pic and then insert the TF card.

Remark: please make sure the camera is powered off before you remove the lens cover.



SPECIFICATIONS

Image Sensor	Image Sensor	1/3" Color CMOS Sensor
	Display Resolution	1280 x 960 Pixels (1300K Pixels, i.e. 1.3 Megapixel)
	Lens	3.5-13.7mm
	Mini. Illumination	0.5 Lux
	Viewing Angle	60 Degree
Audio	Input	Built-in Microphone/1 channel audio input
	Output	1 channel audio output
	Audio Compression	ADPCM
Video	Image Compression	H.264
	Image Frame Rate	30fps (VGA),30fps (QVGA)
	Resolution	1280 x 960 (VGA), 640 x 368 (VGA), 320 x 208 (QVGA)
	Flip Mirror Images	Vertical / Horizontal
	Light Frequency	50Hz, 60Hz, Outdoor
	Video Parameters	Brightness, Saturation, Contrast, Hue
Communication	Ethernet Interface	Build in 10/100Mbps,Auto MDI/MDIX , RJ-45
	Supported Protocol	TCP/IP HTTP DNS DHCP PPPoE SMTP FTP SSL TFTP NTP ARP/RARP NFS RTSP RTP RTCP
	Compress rate level	128Kbps~4Mbps
	Wireless Standard	IEEE 802.11b/g/n
	Data Rate	802.11b: 11Mbps (max.), 802.11g: 54Mbps (max.), 802.11n: 150Mbps (max.)
	Wireless Security	WEP & WPA WPA2 Encryption
Physical	Pan/Tilt Angle	Horizontal: 270° & Vertical: 120°
	Infrared Light	36 IR LEDs, Night visibility up to 18 meters
	Alarm Input	1 Channel on/off Input
	Alarm Output	1 Channel relay Output
Power	Power Supply	DC 12V/2.0A (EU,US,AU adapter or other types optional)
	Power Consumption	7 Watts (Max.)
Environment	Operate Temper.	0° ~ 55°C (14°F ~ 131°F)
	Operating Humidity	20% ~ 85% non-condensing
	Storage Temper.	-10°C ~ 60° (14°F ~ 140°F)
	Storage Humidity	0% ~ 90% non-condensing
PC System Requirements	CPU	2.0GHZ or above (suggested 3.0GHZ)
	Memory Size	256MB or above (suggested 1.0GHZ)
	Display Card	64M or above
	Supported OS	Microsoft Windows 2000/XP/Vista/7
	Browser	IE6.0/7.0/8.0/Firefox/Safari/Google chrome or other standard browsers
Certification	CE, FCC, RoHS	

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