



# User Manual

Dericam Wi-Fi Speed Dome  
IP Camera-Sx Series



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## Welcome

Thank you for purchasing our Dericam HD Pan/Tilt/Zoom Security IP Camera! This user manual is designed to be a helpful tool for the installation and operation of your camera.

For access to other support information, please visit [www.dericam.com](http://www.dericam.com) and go to **Support Center** for details.

To contact Dericam support, please email to [support@dericam.com](mailto:support@dericam.com)

## Important Security Warnings

In order to keep your camera secure and prevent unauthorized access, please never use the default password for your camera. Always ensure your password is at least 8-10 characters long and contains a combination of lowercase characters, uppercase characters as well as numbers.

# 1 Features

## 1.1 Overview

Dericam Wi-Fi Bullet IP Camera is designed to meet the demands for outdoor IP surveillance cameras in the DIY Home & Small business security market. This camera is specially designed to offer you a way to view what is going on inside your home, warehouse, shops, office and so on.

## 1.2 Key Features

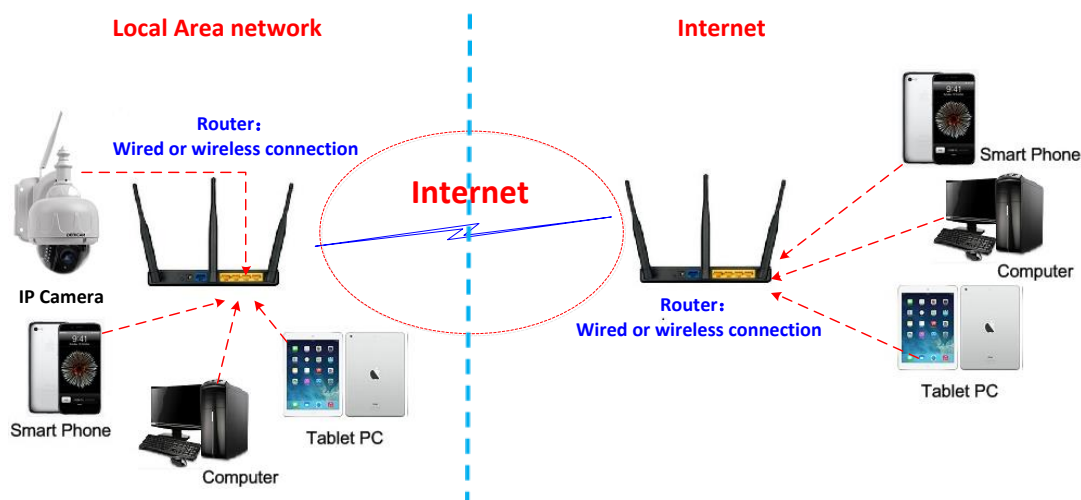
- Video Resolution 1920x1080@30FPS(S2), 1280x960@25FPS(S1)
- Auto IR-LED illumination with auto IR-Cut Switch
- 355 degree pan, 90 degree tilt, and 4x Optical Zoom
- Two-way audio with embedded high quality microphone and speaker
- 22 IR LEDs IR Night vision range (up to 68 feet/20 meters)
- Wi-Fi compliant with IEEE 802.11b/g/n, 2.4GHz band
- Support WEP,WPA-PSK and WPA2-PSK Encryption
- Support recording and playback via micro SD Card, up to 128GB
- Be compatible with ONVIF Protocol and Blue Iris Software
- Support motion detection alert via email or pushing notification
- Support motion detection event recording via micro SD card or FTP
- Support schedule recording via local micro SD card
- Support IE/Firefox/Chrome/Safari browsers
- H.264 high profile video compression format

## 2 Camera Connection and Installation

To make your experience with the Dericam camera easy and simple, we've provided multiple ways to set up, view, and operate your camera as on your needs. Please set up your camera in the way that works best for you.

### 2.1 Connection Guide

The Dericam camera can be accessed via web browser on computer or “Dericam” App on smartphone or tablet. Before access, you should connect the camera to your router via Ethernet cable or Wi-Fi after it is powered on.



### 2.2 Installation Guide

The camera has a standard camera tripod screw hole (1/4-20 UNC thread) for use in mounting the camera onto a stable surface.

**Note:** Prior to installation ensure that the installation environment can support at least 3 times the weight of the camera.

### 2.3 Default Username and Password

To login to the system for the first time, use one of the following default username/password combinations. Once you've successfully logged in, it is highly recommended to change the password for security reasons.

**Username:** admin

**Password:** admin

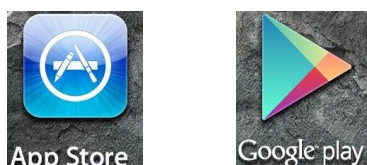
**Note:**

1. Changing the password for admin account is necessary with prompt during initial setup.
2. The password is case sensitive.
3. If you forget the username/password, or fail to login the camera with any usernames/passwords you know, please hold on the hard reset button of the device for 5-8 seconds to reset it at status of power on. And then do initial setup.

### 3 Access the Camera

#### 3.1 Mobile Device Access

The Dericam camera can be accessed via the “Dericam” app on iOS and Android smartphone/tablet. It is required to download the “Dericam” App first from the Apple Store or Google Play, and then install it. About how to use the App to setup and access the camera, the details will be given later on section 4.



#### 3.2 Web Browser Access on Computer

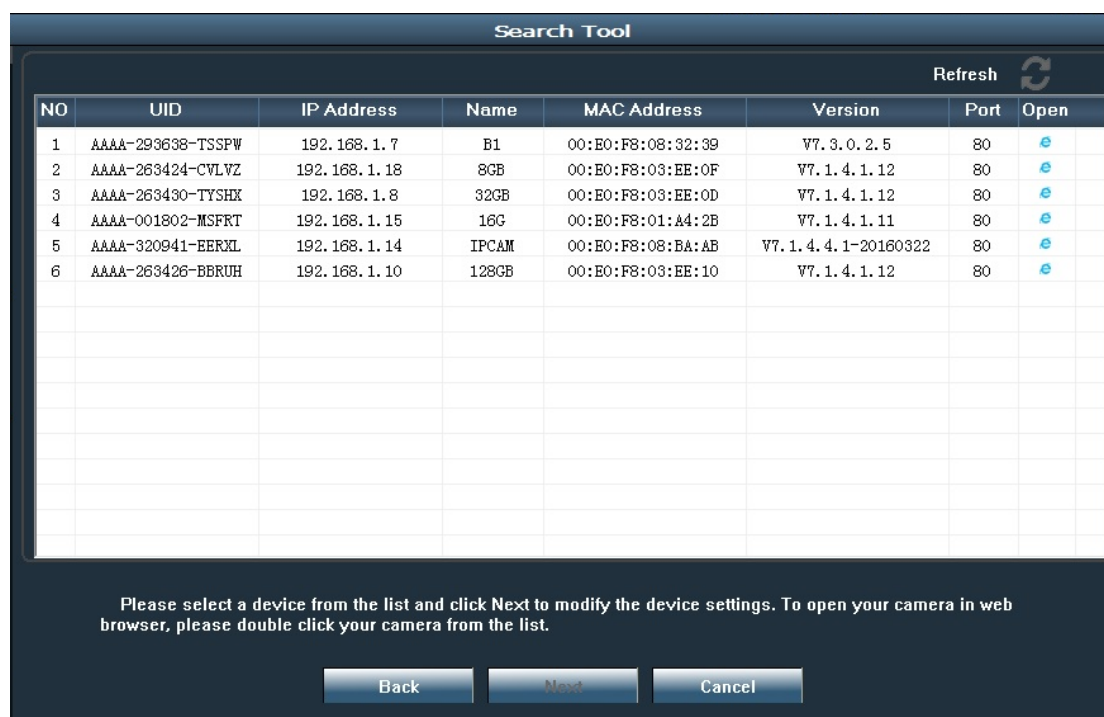
The Dericam camera can be accessed via the web browser on both windows and Mac OS. The complete and all advanced functions of the camera are available to be acquired by accessing via web browser.

##### 3.2.1 Search Tool for Windows OS

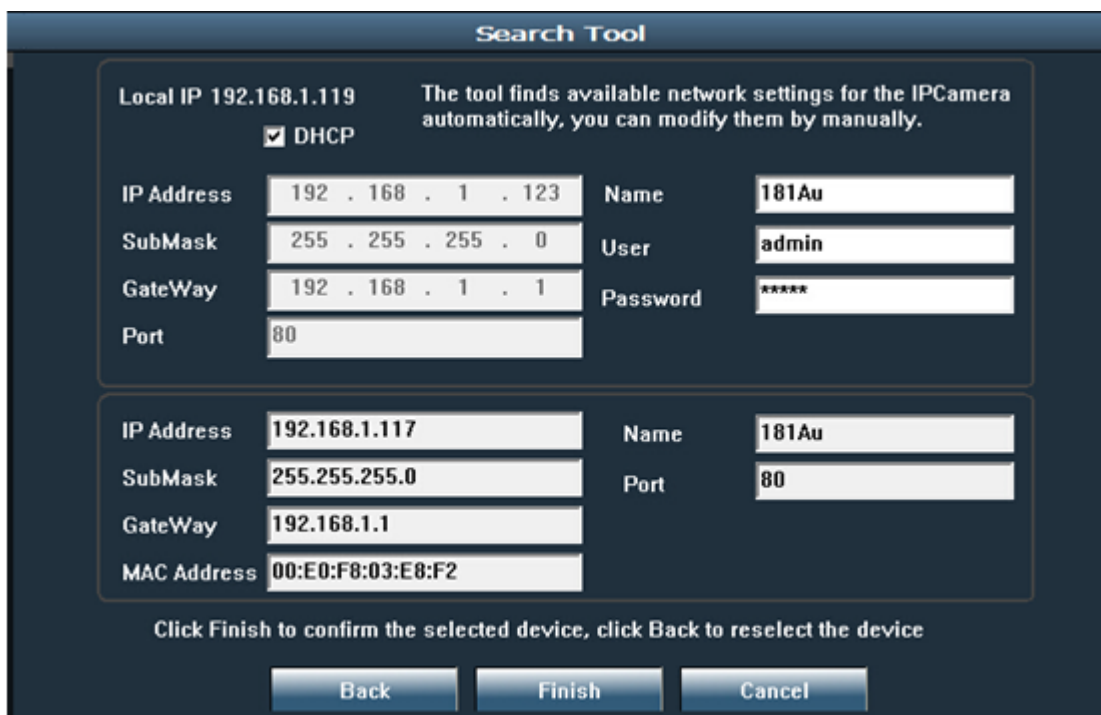
To easily search and access the Dericam camera in web browser of Windows OS, please install the “Dericam Search Tool” for Windows OS from the software CD, or you can download the latest version from [www.dericam.com](http://www.dericam.com).

Before running the search tool, please ensure:

- The camera is power on and connected to the router via an Ethernet cable or Wi-Fi.
- The camera and the PC are on the same local network.
- Use IE/Chrome/ Firefox on Windows OS, or Safari/Chrome on Mac OS to view.



You can also change some camera's network configurations and camera name through the Search Tool after inputting the correct username and password. Please remind that the login Username and Password of the camera are not available to change in below blanks of the Search Tool. There is an entry to changing the username and password in web browser after access.

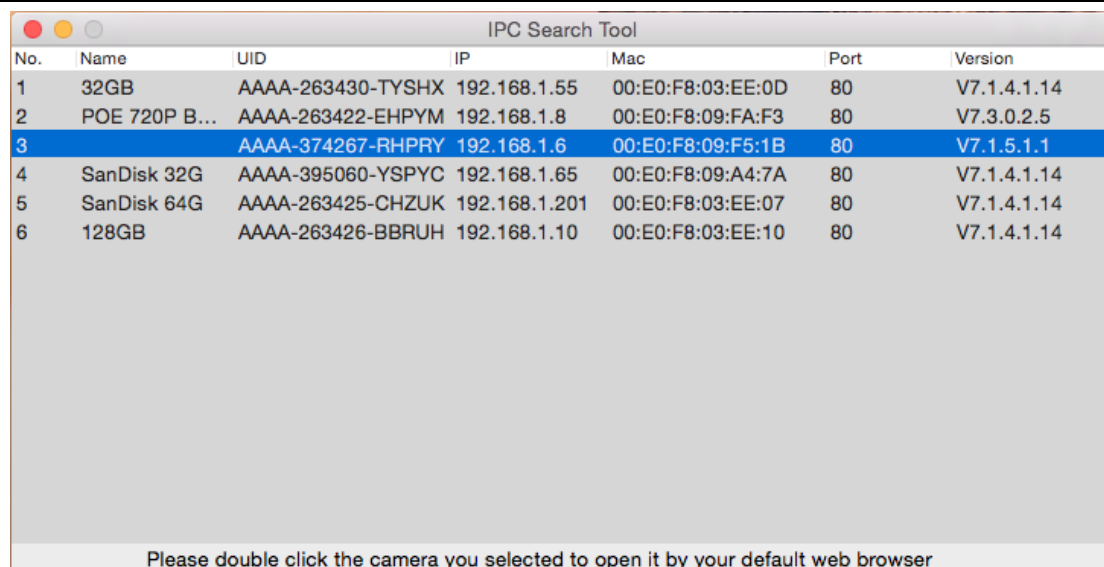


### 3.2.2 Search Tool for Mac OS

For Mac OS computer, please install the "Dericam Mac SearchTool.zip" for Mac OS from the software CD or after downloading from [www.dericam.com](http://www.dericam.com). The operation is similar as on Windows OS. Run it to search the camera on your LAN, and you can get the information including the name, UID, IP address, Mac address, Http port and firmware version of the camera as below.



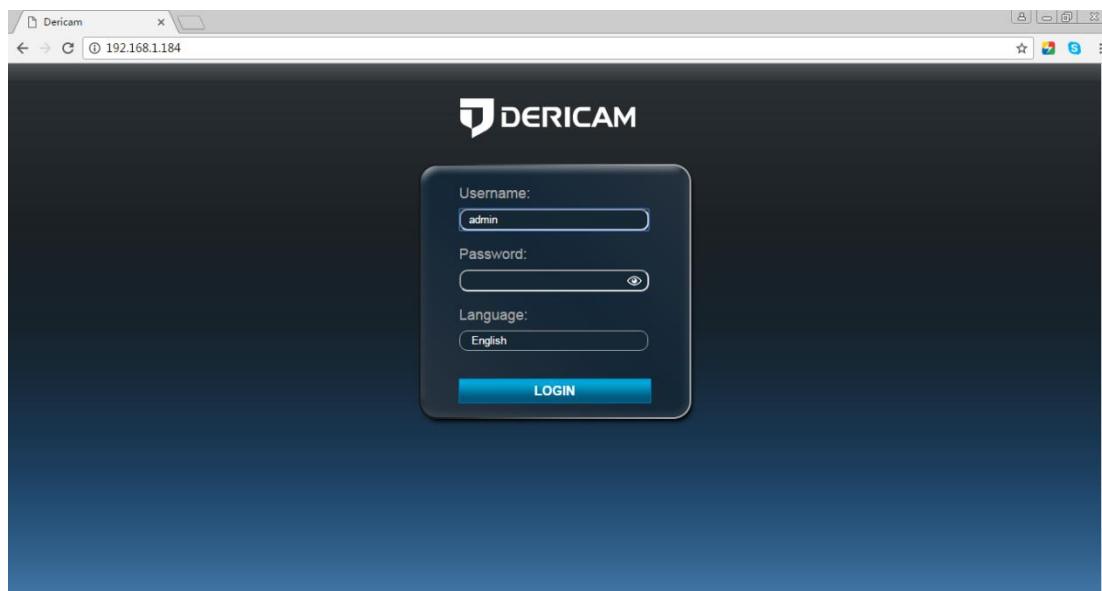




No.	Name	UID	IP	Mac	Port	Version
1	32GB	AAAA-263430-TYSHX	192.168.1.55	00:E0:F8:03:EE:0D	80	V7.1.4.1.14
2	POE 720P B...	AAAA-263422-EHPYM	192.168.1.8	00:E0:F8:09:FA:F3	80	V7.3.0.2.5
3		AAAA-374267-RHPRY	192.168.1.6	00:E0:F8:09:F5:1B	80	V7.1.5.1.1
4	SanDisk 32G	AAAA-395060-YSPYC	192.168.1.65	00:E0:F8:09:A4:7A	80	V7.1.4.1.14
5	SanDisk 64G	AAAA-263425-CHZUK	192.168.1.201	00:E0:F8:03:EE:07	80	V7.1.4.1.14
6	128GB	AAAA-263426-BBRUH	192.168.1.10	00:E0:F8:03:EE:10	80	V7.1.4.1.14

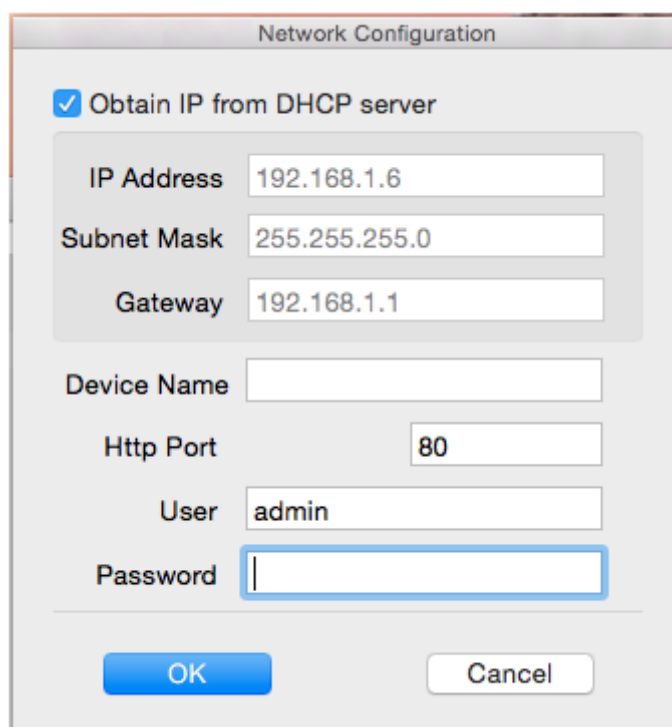
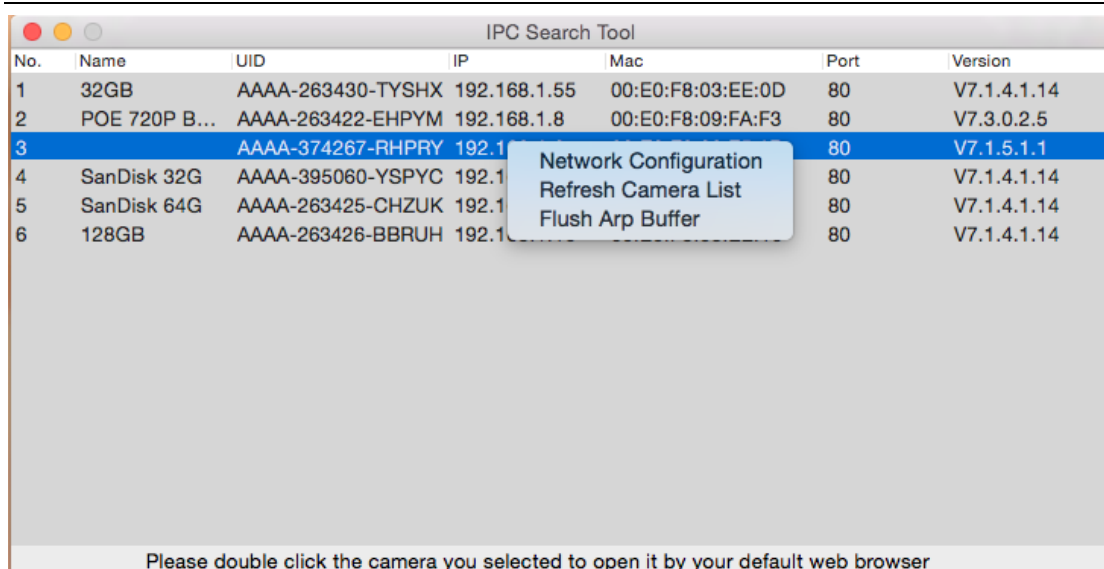
Please double click the camera you selected to open it by your default web browser

Double click the camera on the search list to open the camera with web browser, such as Safari (see below).



Right click on a searched item; you can refresh the search result by selecting “Refresh Camera List” or “Flush Arp Buffer”. And you can modify the IP address, device name and http port of the camera after selecting “Network Configuration”. Please note:

1. You should input the correct username and password first, and then it is available to modify the “Network Configuration”.
2. The login Username and Password of the camera are not available to change in below blanks of “Network Configuration”. There is an entry to changing the username and password in web browser after access.
3. The camera will reboot automatically if you modify the http port.



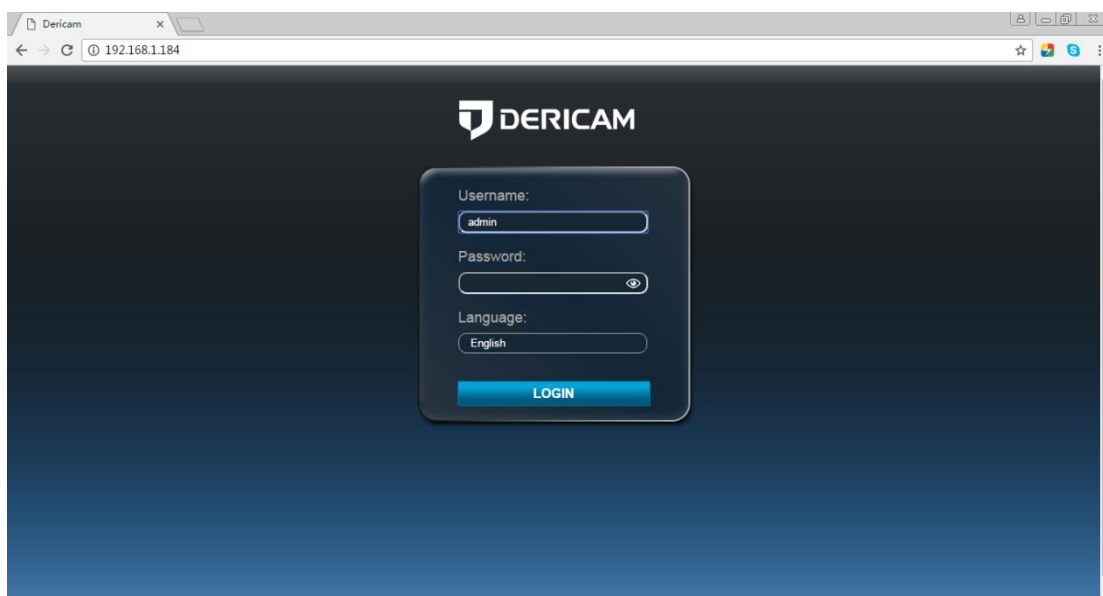
### 3.2.3 Local Access via Web Browser

Run the search tool and click “Next” to search Dericam cameras on the LAN. After the device is found and listed in the search result window, double click on the device item to open a web browser for viewing the camera on computer. If Microsoft Edge pops up as default browser, go to “More”->”Open with Internet Explorer” for normal viewing.

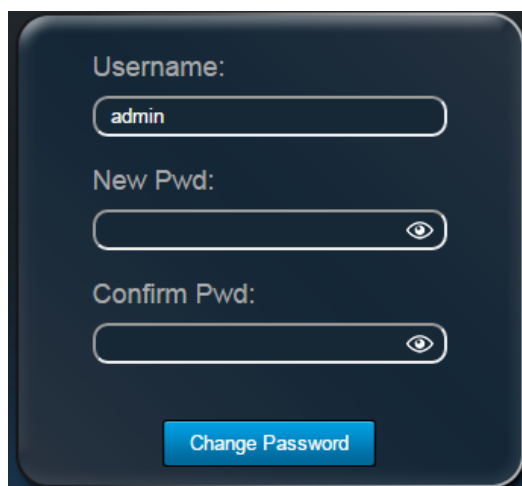
Or you can open the web browser first, put the IP address and port number of the camera in the URL blank of the browser by manual to login your camera.

For example: http://192.168.1.108:80.

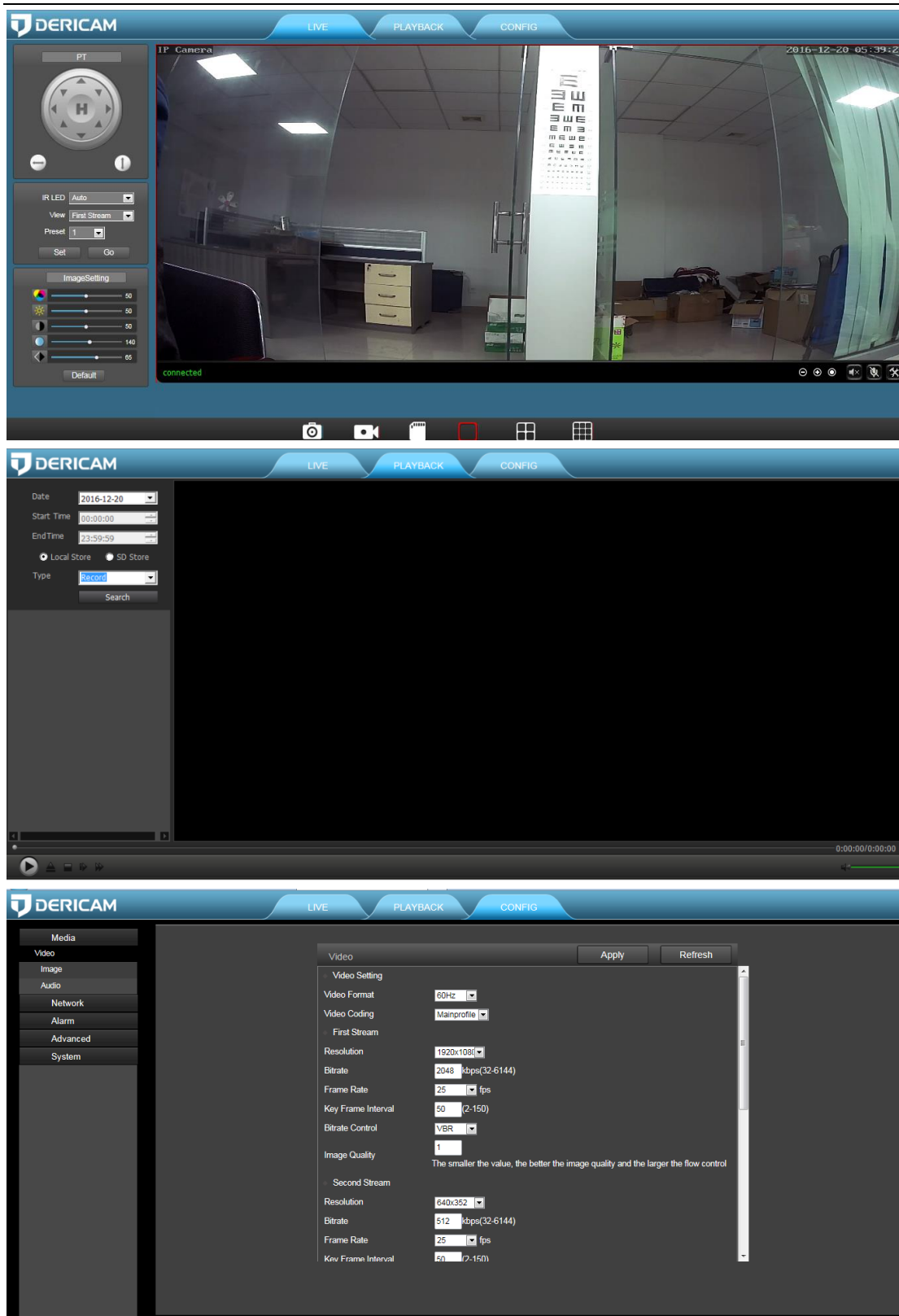
The IP Address and HTTP port number of the camera are displayed on the list of the Search Tool. Usually the default HTTP port No. is 80.



Login to the camera by your login credentials (default username/password are both “admin”). If this is your first time logging into the camera by default account after it is reset, you will be prompted to change the default password. Please select a password that is at least 8 characters long, and include a combination of uppercase letters, lowercase letters, and numbers.



When opening the camera’s interface, the browser like IE/ Firefox on Windows OS will prompt you to install a plugin. The plugins are necessary to get video from camera. Click the button “install” to download and install the plugin. If the browser prompts you to allow the plugin to work on the computer, click “Allow” to ensure the plugin can run successfully. Then the camera is now successfully set up for live viewing, playback and configuration!



**Note:** Due to the limitations of NPAPI plugins, the web browser of Chrome/Safari does not support the setting features of playback, talk, motion-detection and privacy mask.

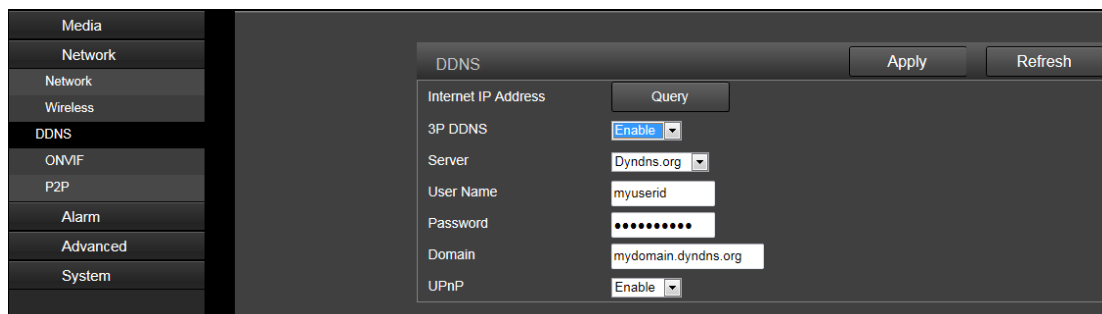
### 3.2.4 Remote Web Access

You can access Dericam camera remotely via web browser using UPnP/DDNS functionality or Port Forwarding.

Email: [support@dericam.com](mailto:support@dericam.com)

Website: [www.dericam.com](http://www.dericam.com)

Before using UPnP/DDNS functionality, ensure your router should support the uPnP networking protocol and the protocol should be enabled. Please refer to your router manufacturer's documentation to learn how to enable UPnP. And then login the camera via web browser, go to the "Config" ->"Network"->"DDNS" page to enable the UPnP and enter the information of a third-party's DDNS, such as "Dyndns.org", "3322.org", "dynddns.us", or "No-ip.com". Click Apply to save the settings. Then you can access the camera by DDNS remotely.



Port Forwarding is another method to set up remote access. It is required to make settings on both the camera and your router. Please refer to the corresponding documentation provided by the manufacturer or from the FAQ area of the support center on our website [www.dericam.com](http://www.dericam.com) to learn the detail instructions.

### 3.3 NVR access

The Dericam camera can connect to any NVR that supports ONVIF protocol. This allows the camera to view live, playback and record to a network storage device.

### 3.4 RTSP access

The Dericam camera supports standard RTSP, you can access its video and audio directly by RTSP player such as VLC. Please make sure you enabled the RTSP feature in the Camera Setups before viewing the camera in web browser.

#### RTSP URL

**First stream: rtsp://username:password@IP:port/11**

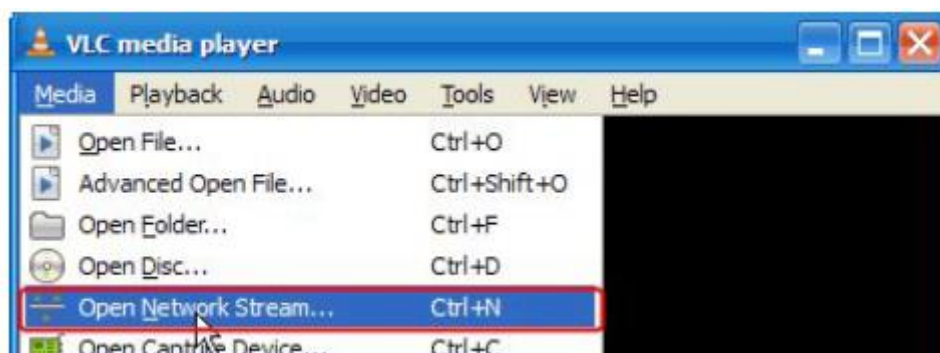
For example: rtsp://admin:123456@192.168.1.10:554/11

**Second stream: rtsp://username:password@IP:port/12**

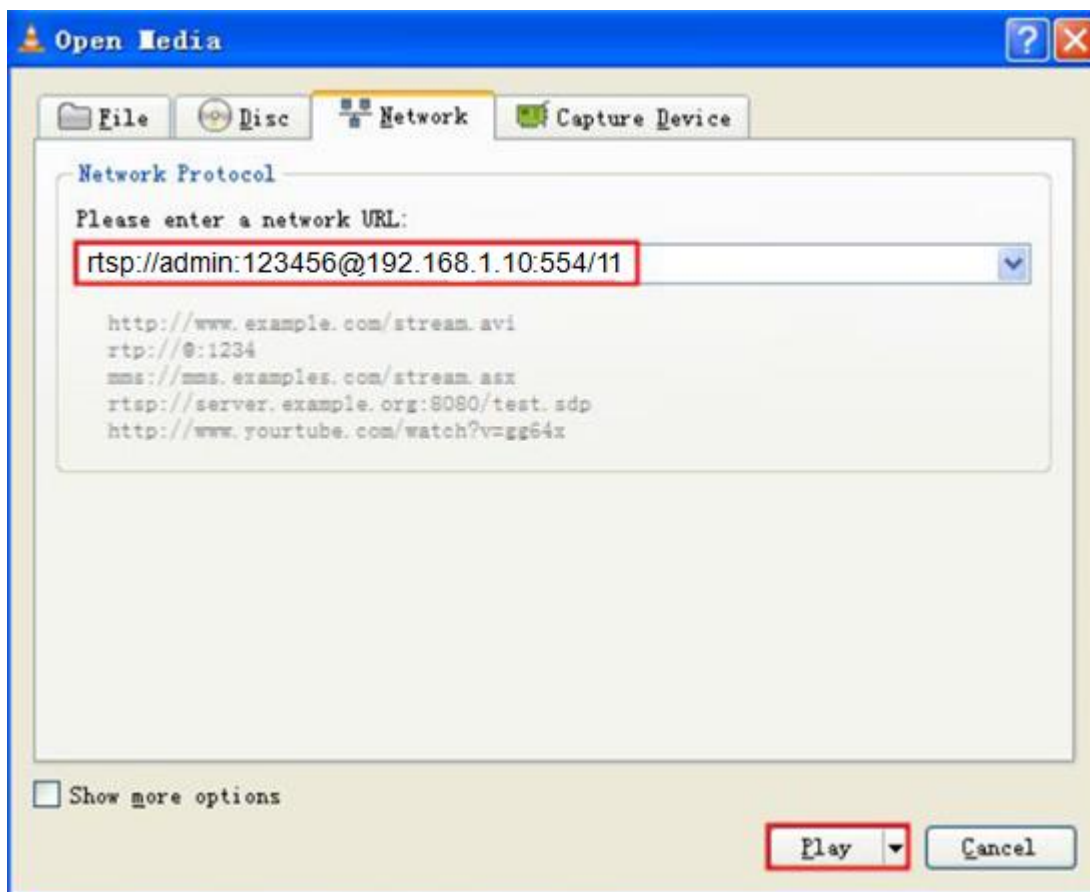
For example: rtsp://admin:123456@192.168.1.10:554/12

Follow these steps to access the camera's RTSP stream by VLC player:

1) Open the VLC player and go to "Media" -> "Open Network Stream";



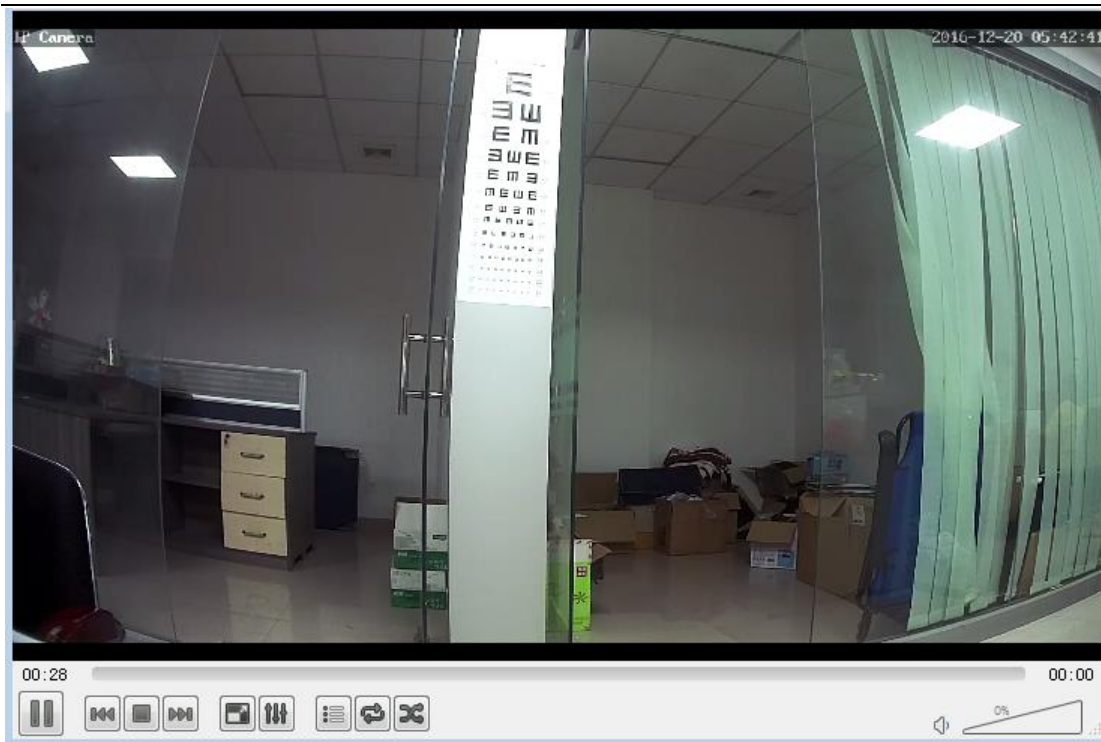
2) Enter the URL of the camera in VLC and click the play button.



3) You may need to enter the username and password of the camera for RTSP authentication.



4) Then you can view the video via the VLC player now.



**Note:** you can also view the video remotely by the RTSP stream if you have the set up DDNS or port forwarding.

## 4 App for Mobile Device

To access your camera on a mobile device, please search and download the “**Dericam**” App from Apple Store or Google Play, and then install it. For any Android devices, the App is also available to be downloaded from [www.dericam.com](http://www.dericam.com).



### Note:

1. The interface screenshots in this manual were taken from the App for iOS device. They may differ slightly from the interfaces for Android or different versions.
2. Currently the camera supports 2.4GHz band only. So if you have a dual band router, please disable 5GHz band and only enable 2.4G for Wi-Fi connection.
3. The username and password are case sensitive.

### 4.1 Add Camera

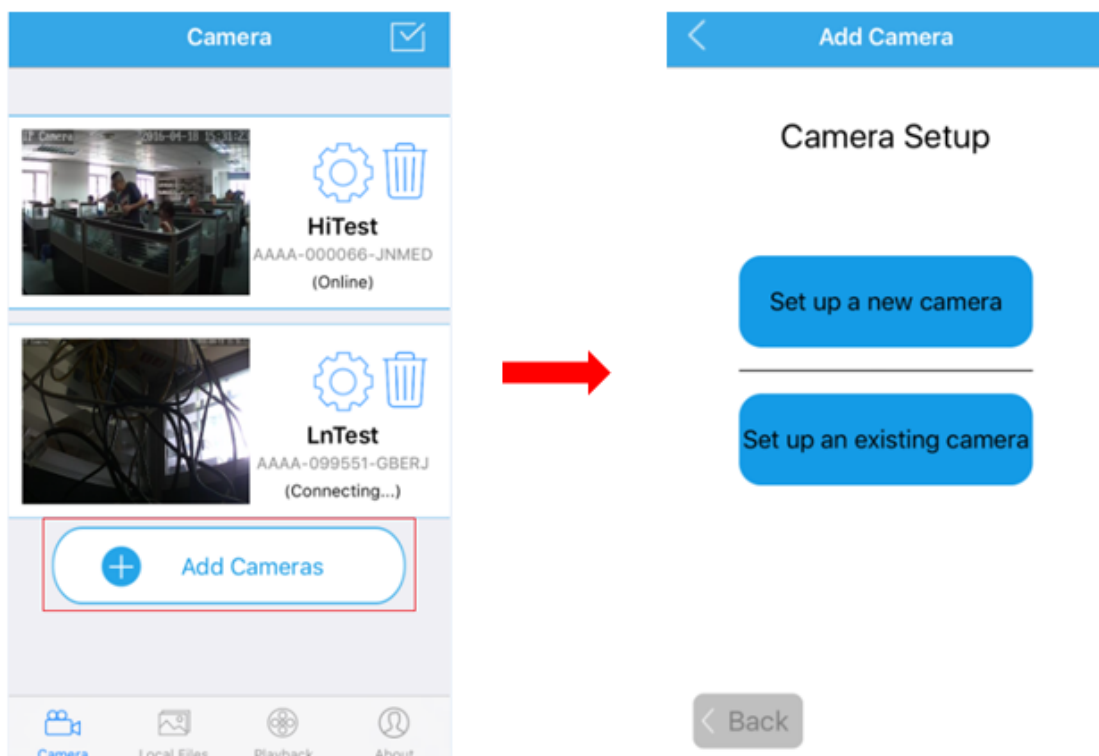
After installing the hardware and completing self-inspection, run the Dericam App on the mobile device. Tap “Add Camera”.

-If it is the first time to set up the camera, choose “Setup a new camera”.

-If the camera has been installed on any phone, tablet or computer before, choose “Setup an existing camera”.

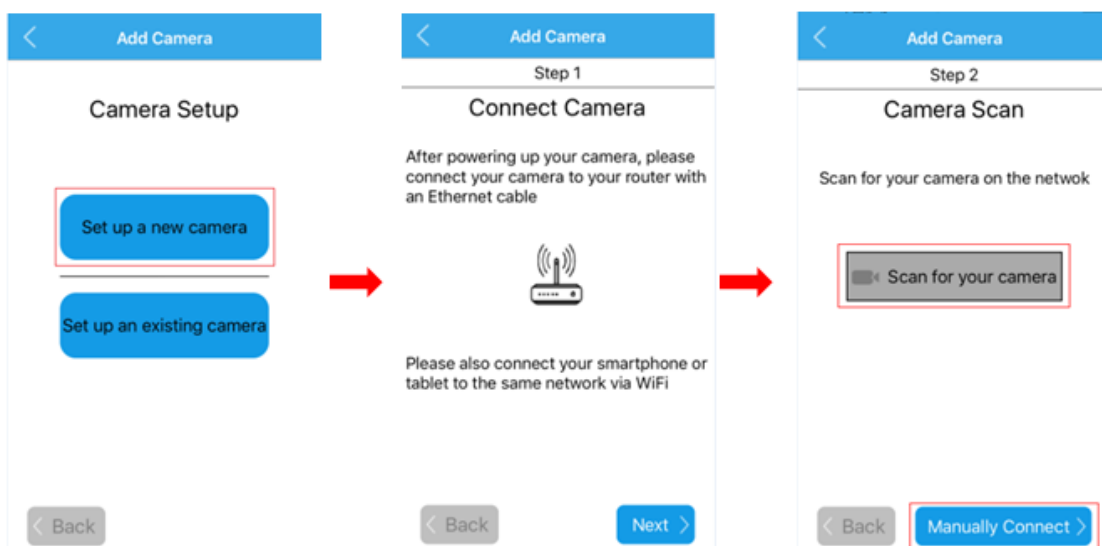
Make sure the camera should be powered up and connected to the router with Ethernet cable, and your smartphone or tablet should be connected on the same local area network (LAN) via Wi-Fi.





### 4.1.1 Set up a new camera.

Go to “Set up a new camera”. There are two methods for adding a new camera: scanning for your camera on the LAN and entering the camera’s UID code by manual connection. We do recommend you to add the camera by scanning on the network, so you do not need to enter the long UID code.



#### 4.1.1.1 Scan for your camera

Here are the steps with screenshots about adding the camera by scanning.

-Choose “Scan for your camera”. Select the camera you want to set up from the camera list detected by scanning.

-Give the camera a name, and enter right username and password to login it. The default

Email: [support@dericam.com](mailto:support@dericam.com)

Website: [www.dericam.com](http://www.dericam.com)

username/password is admin/admin. Note, the username and password are case sensitive.

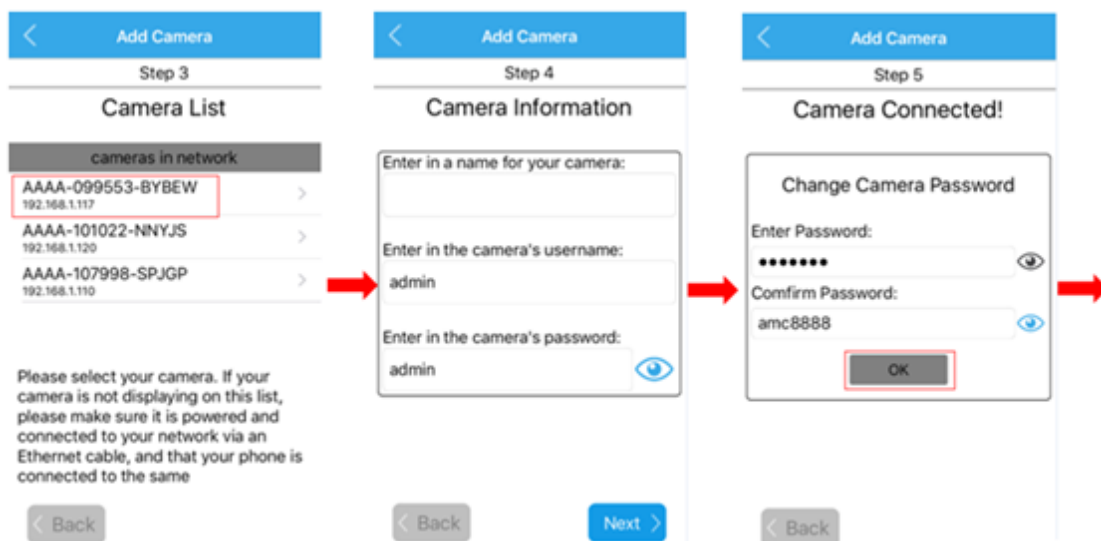
-It is required to change the default password for secure policy. Please remind that you should remember the username and changed password for future login.

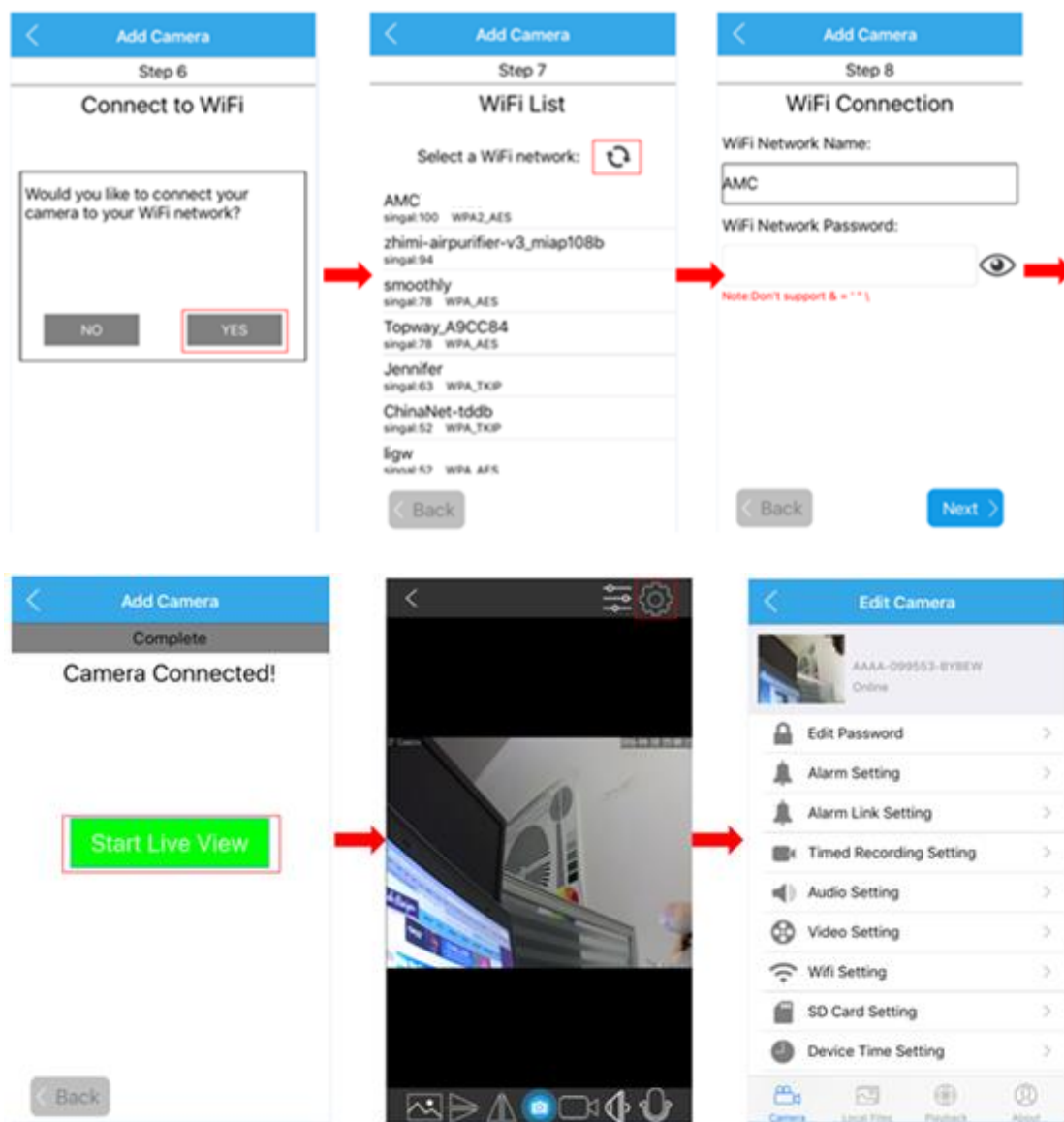
-For continue Wi-Fi setup now, choose "Yes"; or tap "NO" or "Done" to finish setting and directly go to live view with Ethernet cable connection. You can also configure your Wi-Fi connection later.

-After tapping "Yes" for Wi-Fi setup, the program will auto scan Wi-Fi networks and list all detected Wi-Fi networks. Select the one you want to apply the camera on. Please tap the refresh icon to search the Wi-Fi AP list again if the Wi-Fi SSID you want was not found.

-Enter the Wi-Fi password, tap "Check WiFi connection" and usually a message "WiFi connection success" will appear. Otherwise, check the Wi-Fi password. Please note that some special characters like " \ " & = " are not supported. If your Wi-Fi password includes any of these special characters, login your router to change Wi-Fi password as new one supported by the camera first.

-Tap "Next" and plug out the Ethernet cable. Choose "Start Live View". Wait about 30 seconds for live view picture to come.





#### 4.1.1.2. Manually Connect

If you choose adding the camera by manual connection, please follow below steps to proceed with adding the camera.

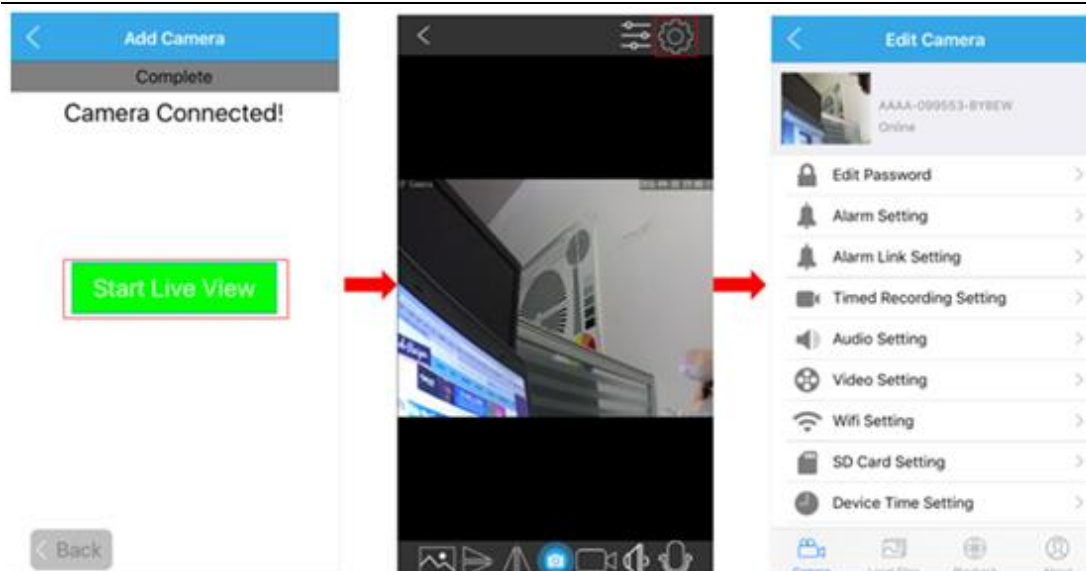
- Give the camera a name, and tap “Next”.
- Enter the UID code, default username and password of the camera, and tap “Next”. The App will automatically connect the camera you entered. If it fails, please check the UID code, username or password to figure out whether they are correct. And then re-enter and try again.
- It is required to change the default password for secure policy after successful connection. Please remind that you should remember the username and changed password for future login.
- For continue Wi-Fi setup now, choose “Yes”; or tap "NO" or “Done” to finish setting and directly go to live view with Ethernet cable connection. You can also configure your Wi-Fi connection later.
- After tapping “Yes” for Wi-Fi setup, the program will auto scan Wi-Fi networks and list all detected

Wi-Fi networks. Select the one you want to apply the camera on. Please tap the refresh icon to search the Wi-Fi AP list again if the Wi-Fi SSID you want was not found.

-Enter the Wi-Fi password, tap “Check WiFi connection” and usually a message “WiFi connection success” will appear. Otherwise, check the Wi-Fi password. Please note that some special characters like “ \ " & = ” are not supported. If your Wi-Fi password includes any of these special characters, login your router to change Wi-Fi password as new one supported by the camera first.

-Tap “Next” and plug out the Ethernet cable. Choose “Start Live View”. Wait about 30 seconds for live view picture to come.





### 4.1.2 Set up an existing camera.

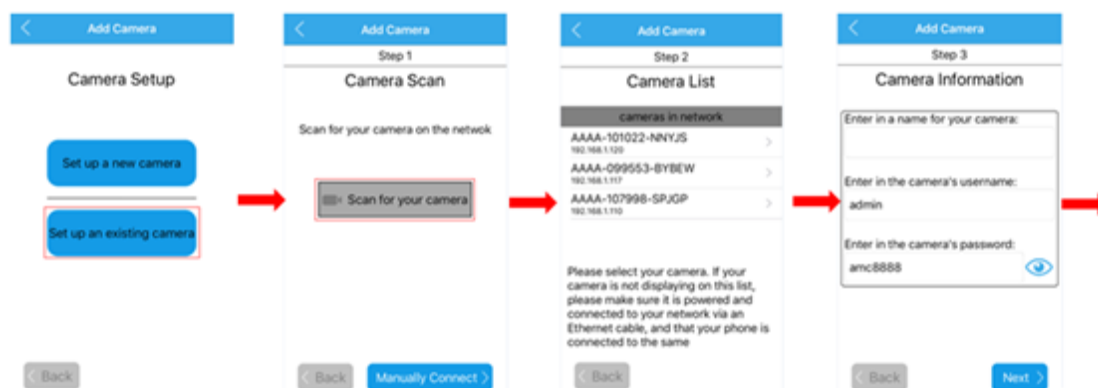
If the camera has ever been set up and accessed successfully before without reset, choose “Set up an existing camera”. There are two methods for adding an existing camera: scanning for your camera on the LAN and entering the camera’s UID code by manual connection. We do recommend you to add the camera by scanning on the network, so you do not need to enter the long UID code.

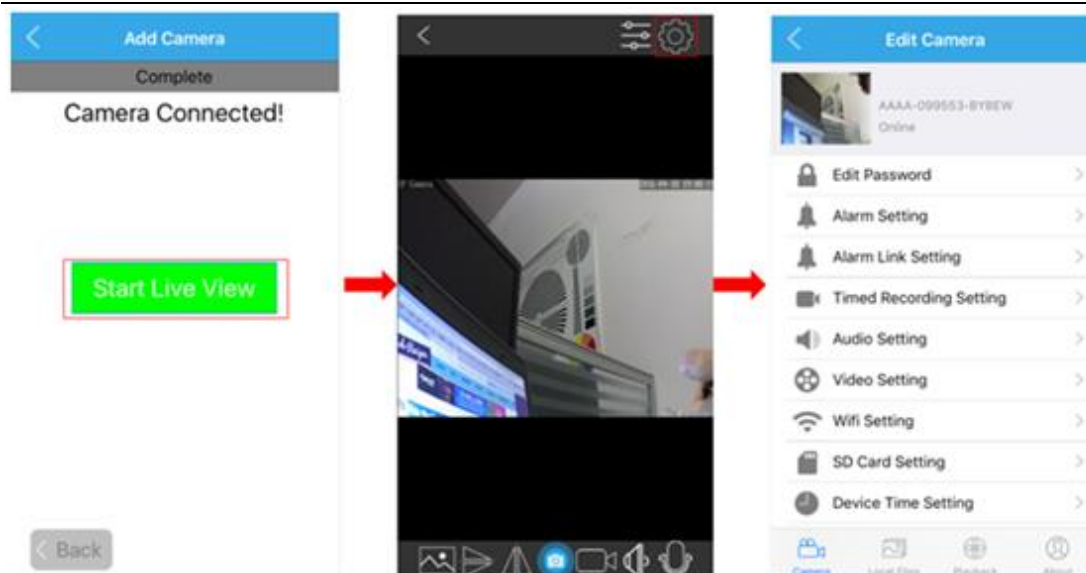
#### 4.1.2.1. Scan for your camera

-Choose “Scan for your camera”. Select the camera you want to add from the camera list detected after scanning.

-Give the camera a name, and enter right username and password to login it.

- Then the camera will be successfully added on your phone, so you can start the live view or do further settings now.



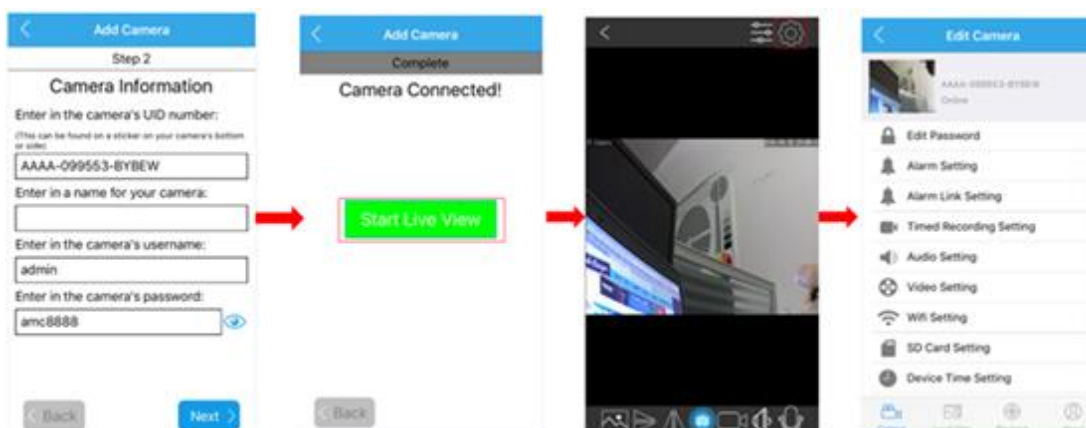


### 4.1.2.2. Manually Connect

If you want to add an existing camera on your mobile device by manual, please choose “Manually Connect”.


- Give the camera a name, and tap “Next”.
- Then the camera will be successfully added on your phone, so you can start the live view or do further settings now.


Please note, adding an existing camera by manual is mainly used for remotely access via App.




## 4.2 Camera list page

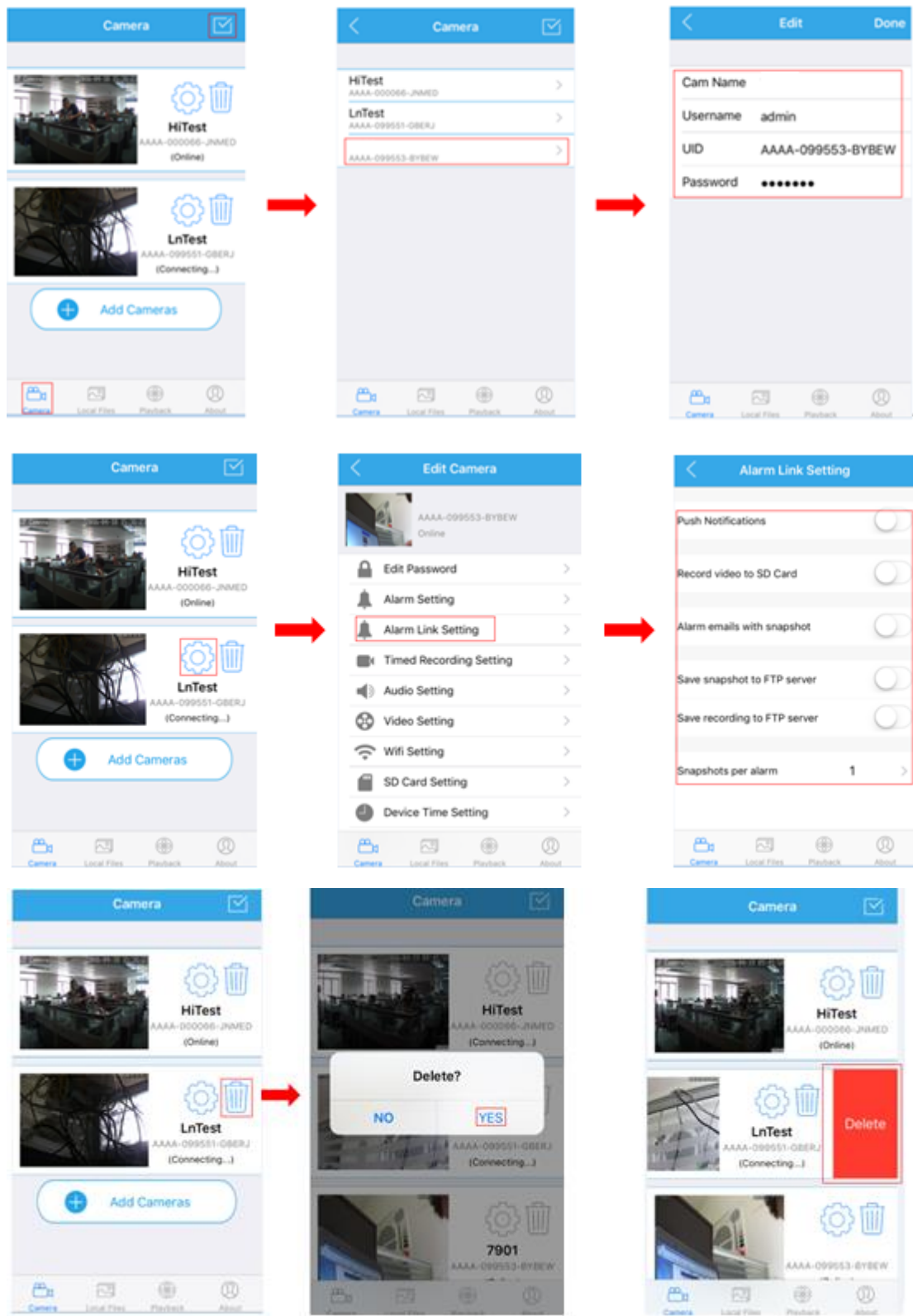
Run the App and go to the first page, you can delete or edit login information of the cameras on the list.

-Click the edit icon  on the right top of the page to edit the camera's login information. You can modify the camera name, username, password or UID code especially when you fail to login the camera after changing the username or password on another device.

-Click the icon  above the camera name to go to the setting page. And then you can edit all your camera's settings, include Edit Password, Alarm Setting, Alarm Link Setting, Timed Recording Setting, Audio Setting, Video Setting, Wifi Setting, SD Card Setting, Device Time

Setting, Email Setting, FTP Setting, System Setting and Device Information. The detail settings will be explained in next chapter.

-Click the trash icon  to delete the camera you want. On iOS devices, you can also make it by sliding the camera from right to left.



### 4.3 Live view page

After installation and setup, you can view the video or continue setup as you want. The functions of each icons on the live view interface will be described in this sector.





-  **Resolution**, you can choose “Clear” or “Fluent” mode.


The “Clear” mode takes the first/main stream; while the “Fluent” mode takes the second/sub stream which is in VGA as default. You can also change the default settings in “Camera Setup” -> “Video Setting”.


-  **Image Flip**


-  **Image Mirror**

-  **Capture snapshot by manual**, and the snapshot will be saved into local storage of your mobile device.



-  **Live feed recording by manual** and the snapshot will be saved into local storage of your mobile device.

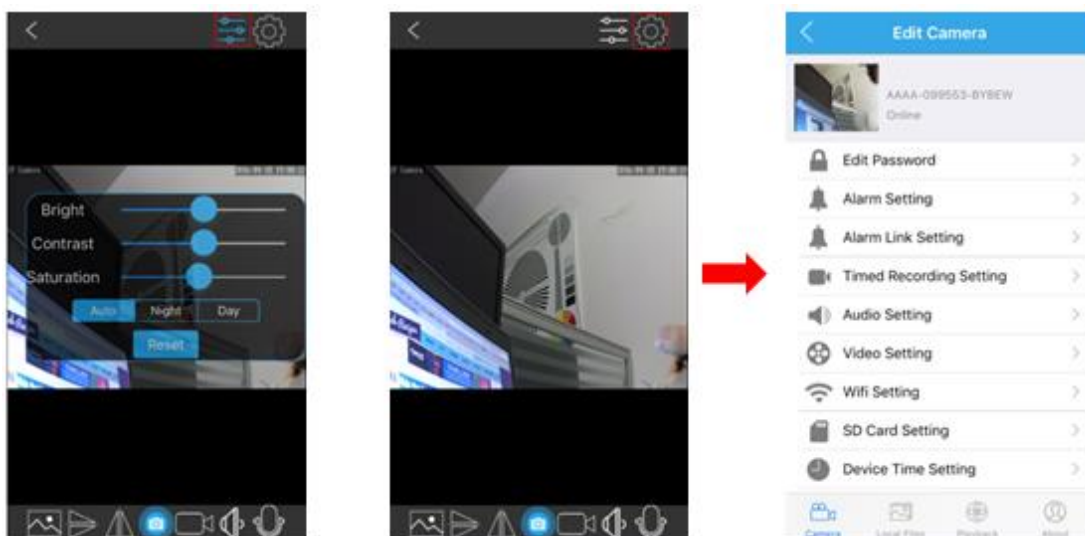
-  **Speaker/Audio out**. Tap this icon to allow audio output (listen to the invoice from the terminal of the camera); tap again to exit speaker.

-  **Talk/Audio In**; hold on this icon and then talk to allow audio input from your mobile device. The people on the camera side can hear your voice.

-  **Video Parameter Settings**, you can adjust the image’s brightness, contrast, saturation; and you can also switch the vision mode among “Auto”, “Day” and “Night” by controlling the IR (Infrared light) of your camera.



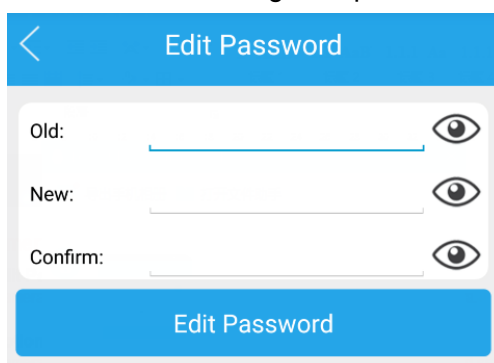
-  **Back**, tap this icon to back to the previous page.
-  **Camera Setups**, tap this icon to go to Camera Setups.



## 4.4 Camera Setups via App

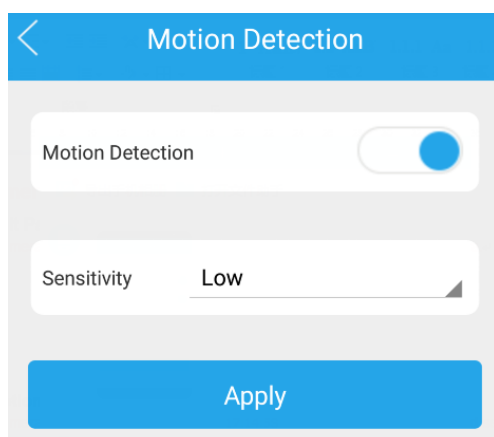
### 4.4.1 Edit Password

Go to “Camera Setup” -> “Edit Password” to change the password of the camera.



### 4.4.2 Motion Detection

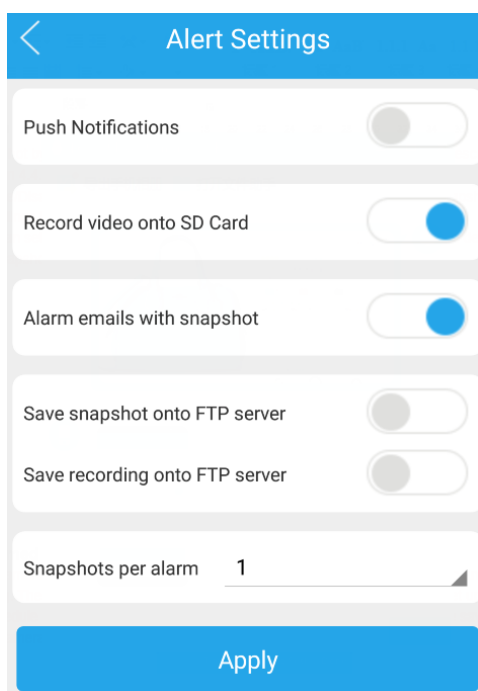
Go to “Camera Setup” -> “Motion Detection” to enable/disable motion alarm, and set up the sensitivity for motion detection. There are three sensitivity options: High, Medium and Low.



### 4.4.3 Alert Settings

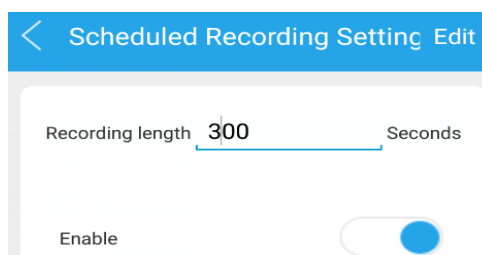
After enable “Motion Detection” in Alarm Setting, please continuously set up in “Camera Setup” -> “Alert Settings”.

- Enable/Disable “Push Notification” to send/not send alarm notifications by the Dericam App if any motion is detected. You should allow Dericam App to push notifications in “Settings” -> “Notification Management” on your mobile device, and keep the App running on the background.
- Enable/Disable “Record video to SD Card” to save/not save the video recordings about motion detection to the SD card of the camera.
- Enable/Disable “Alarm emails with snapshot” to send/not send alarm messages with up to 3 snapshot by email. It is required to make further email settings which will be described in the section 4.4.10.
- Enable/Disable “Save snapshot/recording to FTP server” to save/not save snapshot/video recordings to the FTP server if a FTP server has been built on computer.
- You can set up sending up to 3 snapshots with email message for each motion detection event in “Snapshot per alarm”.



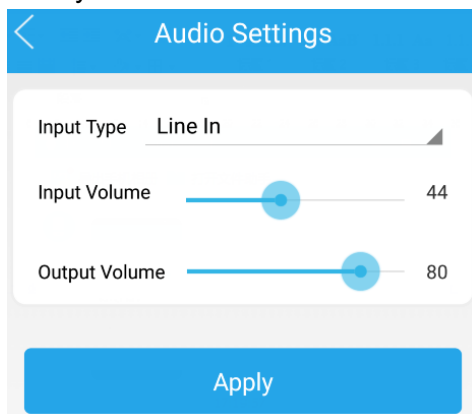
### 4.4.4 Scheduled Recording Settings

Go to “Camera Setup” -> “Scheduled Recording Settings” to enable/disable automatic and constant recording. The video length of each recording can be set up, and you can also set up the date & time schedule of a week for carrying out recording. The scheduled recordings will be saved in the SD card of camera as default.



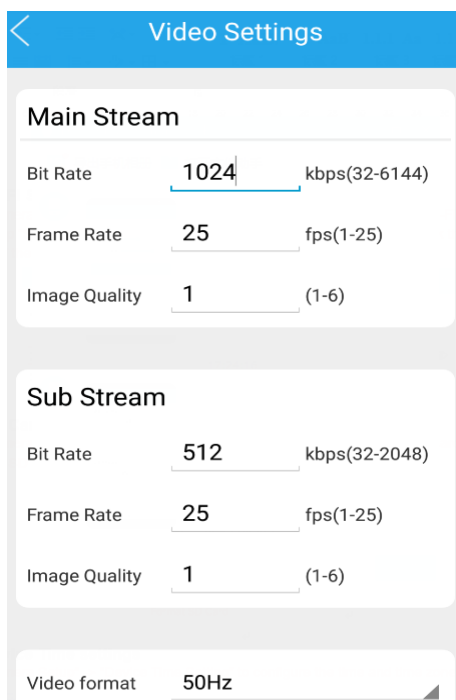
#### 4.4.5 Audio Settings

Go to “Camera Setup” -> “Audio Settings” to configure the audio parameters. It is only available for the camera models with two-way audio function.



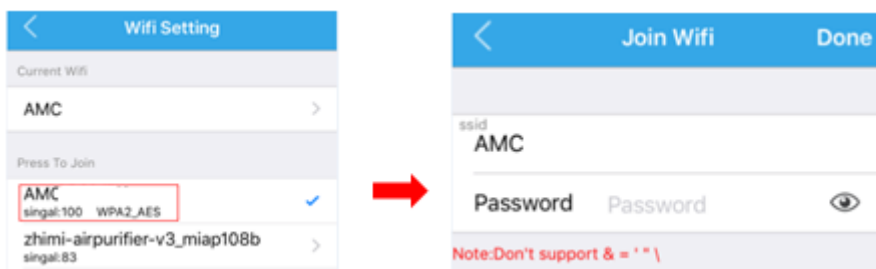
#### 4.4.6 Video Settings

Go to “Camera Setup” -> “Video Setting” to configure the parameters for controlling the video quality. The first stream is the default for recording; while the second is the default for live viewing via App.



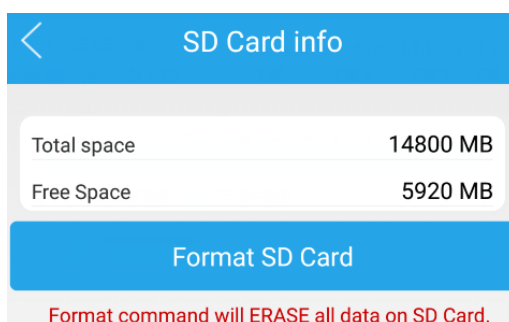
#### 4.4.7 Wi-Fi Settings

Go to “Camera Setup” -> “WiFi Settings” to configure the wireless network for Wi-Fi connection. You can tap “Scan” to search the available networks and then apply one, or check the Wi-Fi signal strength of the applied network.



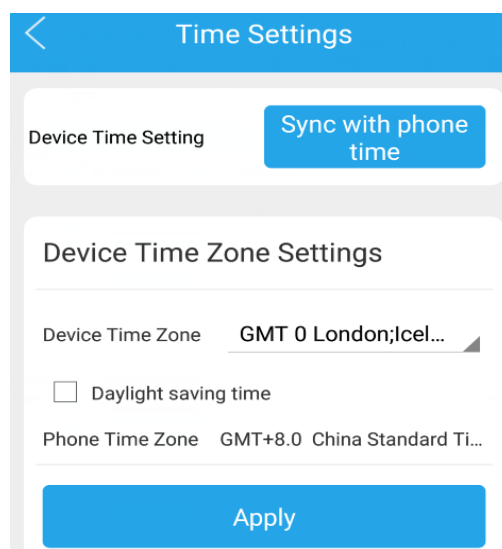
### 4.4.8 SD Card Settings

Go to “Camera Setup” -> “SD Card Setting” to check the usage status of the SD card, and you can format the SD card.



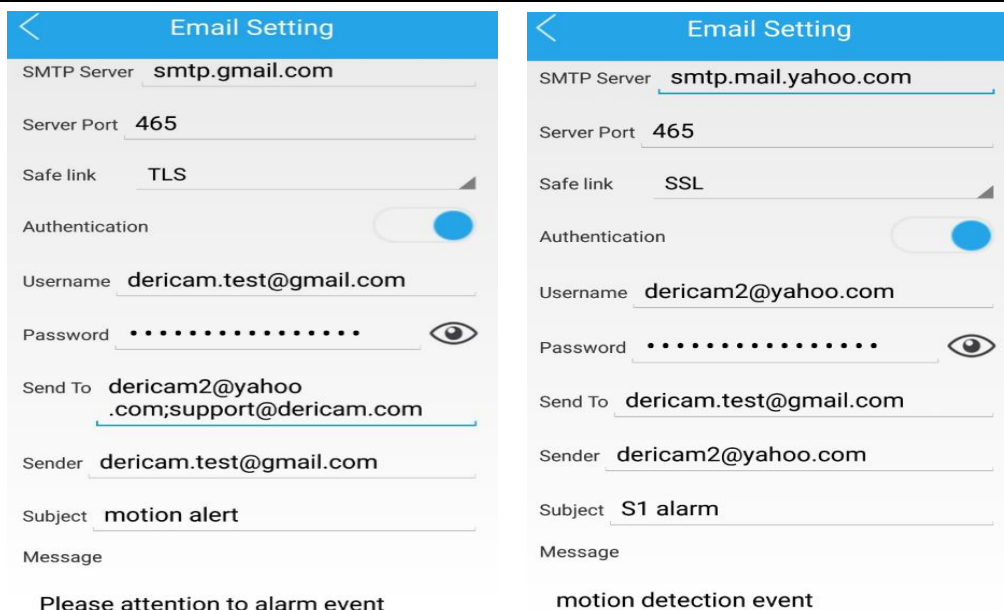
### 4.4.9 Device Time Settings

Go to “Camera Setup” -> “Device Time Settings” to configure the time and time zone as local.



### 4.4.10 Email Settings

Go to “Camera Setup” -> “Email Settings” to configure the parameters that allow the Dericam App to sign in your email account for sending alarm messages with snapshot about motion detection. After configuration, please test and then apply the settings. It will prompt “success” if the test passed.



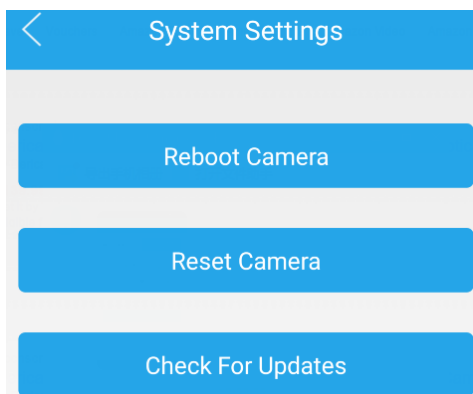
### 4.4.11 FTP Settings

Go to “Camera Setup” -> “FTP Setting” to configure the parameters that allow saving snapshot/video recordings to FTP server. After configuration, please test and then apply the settings. It will prompt “success” if the test passed (below are samples with Gmail/Yahoo).



### 4.4.12 System Settings

Go to “Camera Setup” -> “System Settings”, you can reboot or reset the camera by App operation; and you can also check available firmware for update.



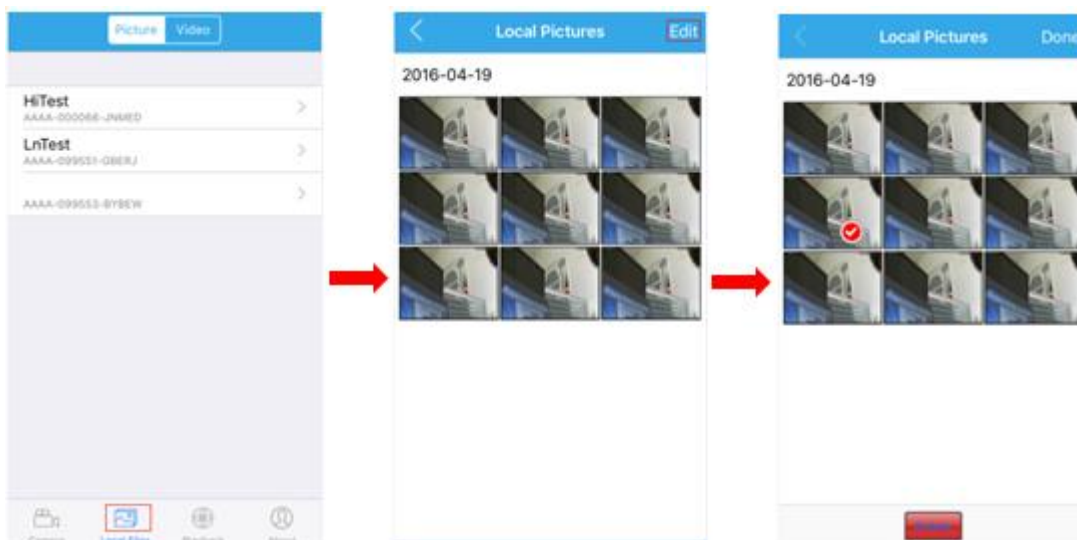
### 4.4.13 Device Information

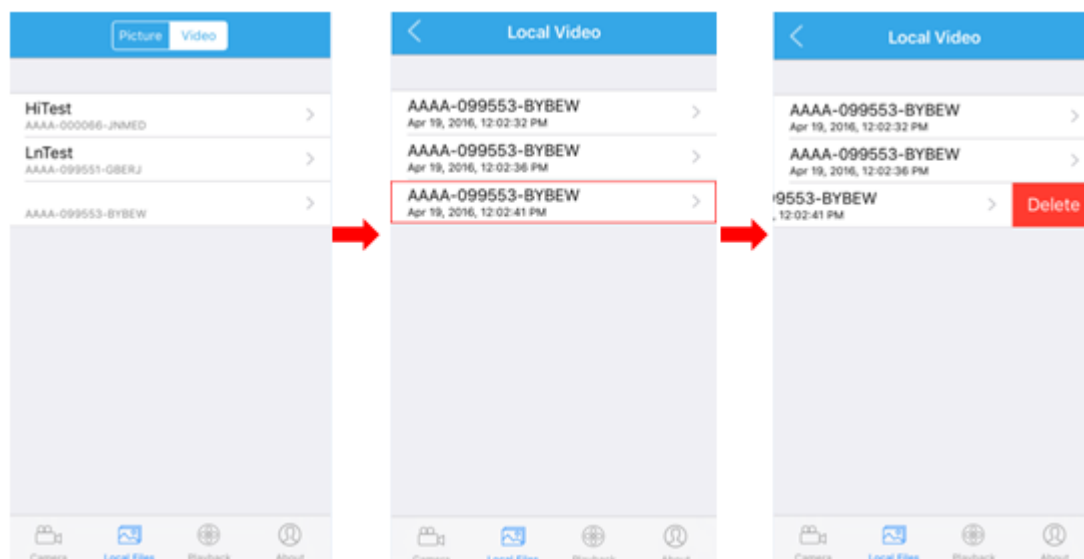
Go to “Camera Setup” -> “Device Information” to check the camera’s device information. It is usually required for service support.

Device Information	
Device ID	181Au
Network	WLAN
Current Client	0
Soft Version	V7.1.4.1.7
IP Address	192.168.1.112
Subnet Mask	255.255.255.0
Gateway	192.168.1.1
DNS	192.168.1.1

### 4.5 Local File Management

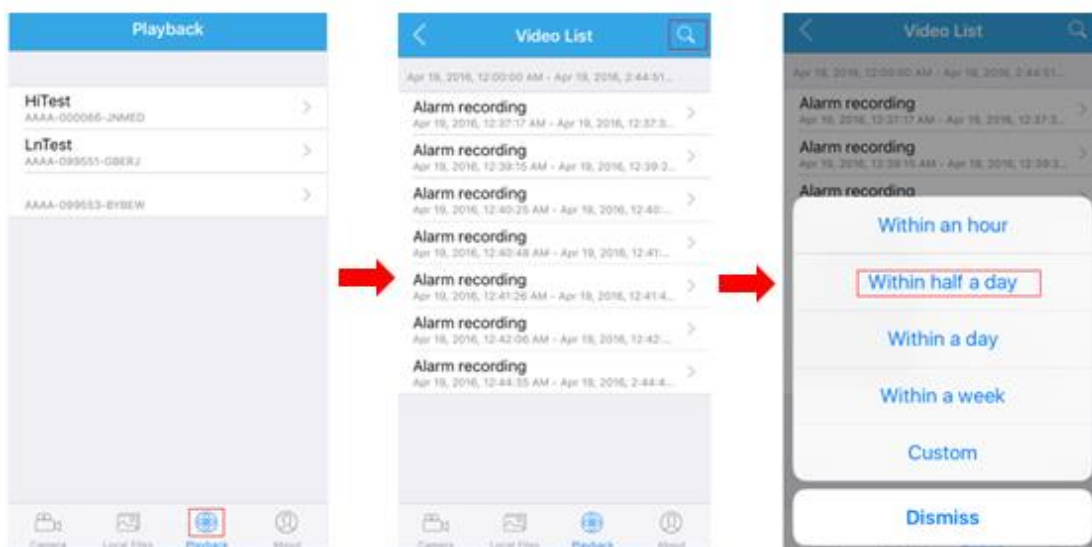
Tap “Local Files” on the main interface and you can view/edit the snapshots and videos recorded by manual from the local storage of your mobile device.





### 4.6 Playback from SD Card

Tap “SD Card Playback” on the main interface and you can view, playback and download the recordings from the SD Card of the camera. The date and time conditions can be set up for accurate search after tapping the search icon on the right top corner.



## 5 Web Interface for Operation

This section includes more details about Dericam camera's user interfaces on web browser, as well as all of the operations the camera can perform, including the Login, LIVE, PLAYBACK and CONFIG pages.

### 5.1 Login page

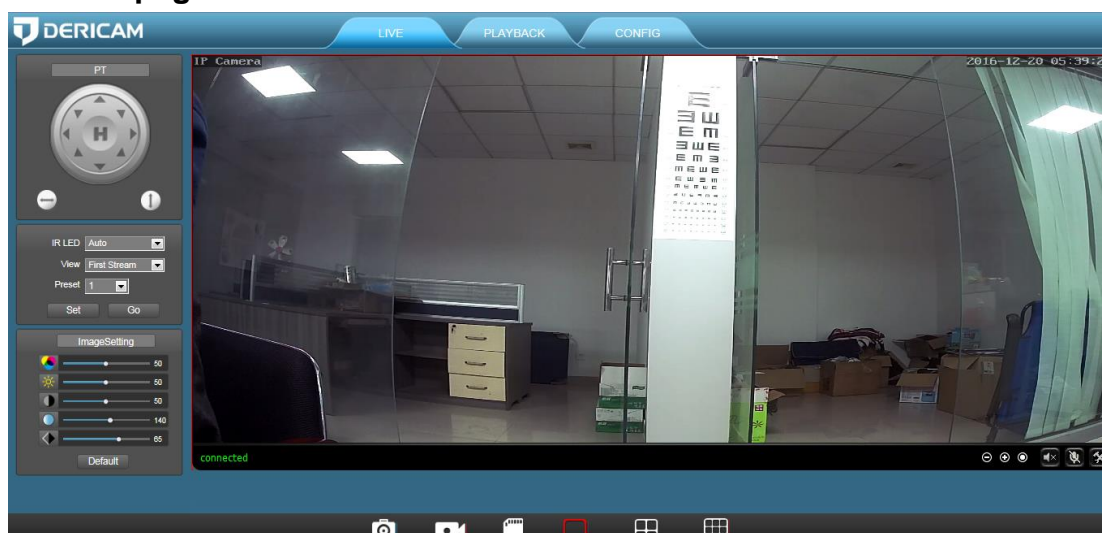
**Username and Password:** It is the account of your camera; the factory default username/password is admin/admin.

**Language:** You can click on the language dropdown list to select the language for the web UI.

**Note:**

1. For the first setup, it will force you to modify the default password to enhance the security of the camera, please enter the new password and confirm it. Then you can access your camera by the new password in the future once you saved your settings.
2. The password is case sensitive.

### 5.2 Live page



#### 5.2.1 OSD

-Camera Name: **IP Camera**

-Camera Date & Time: **2016-01-25 21:51:15**

Email: [support@dericam.com](mailto:support@dericam.com)


Website: [www.dericam.com](http://www.dericam.com)




### 5.2.2 Pan/Tilt control

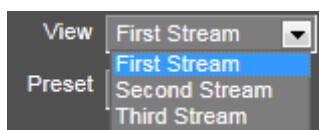


No.	Remark	No.	Remark	No.	Remark
1	Go to up	2	Go to right-up	3	Go to right
4	Go to right-down	5	Go to down	6	Go to left-down
7	Go to left	8	Go to left-up	9	Back to center

: Vertical Cruise from up to down.

: Horizontal Cruise from left to right.

### 5.2.3 View

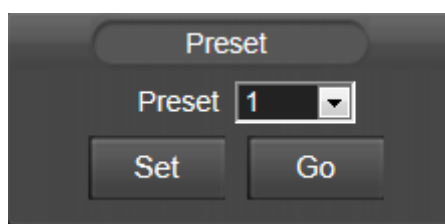


First Stream: choose the main stream for viewing.

Second Stream: choose the sub stream for viewing.

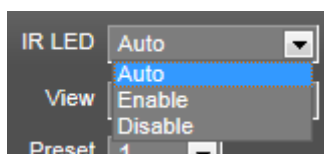
Third Stream: choose the third stream for viewing.

### 5.2.4 Preset



The Dericam camera can support max 8 preset positions, from 1 to 8. You can click the button “Set” to save a preset position marked as a number from 1-8 if you decide to let the system remember it; click the button “Go” to make the camera automatically Pan/Tilt to the preset position of the marked number you saved before.

### 5.2.5 IR Control

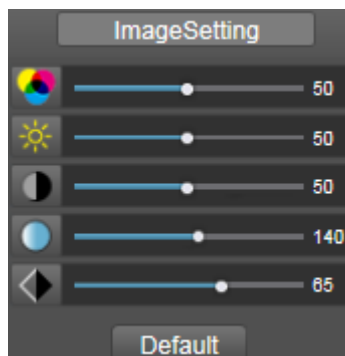


Enable: Make the camera work at night vision mode; the video will be always in black/white.

Disable: Make the camera work at day mode; the video will be always in color.

Auto: Make the camera work at automatic mode and the video color will switch automatically according the change of environment light.

### 5.2.6 Image Settings



You can set the color parameters for the video image in this “Image Setting”, such as Hue, Brightness, Contrast, Saturation, and Sharpness.



: Hue.



: Brightness.



: Contrast.



: Saturation.



: Sharpness.

### 5.2.6 Tool bar



: Zoom In/Out/Back to original size, 1x/1.5x/2x/3x.



: Open/Close the audio (not applicable on some models).



(Only available on IE/Firefox browser on windows OS): Enable/Disable speaker for talk (not applicable on some models).



(Only available on IE/Firefox browser on windows OS): Set the storage path for the

recordings including pictures and videos captured by manual through the web browser. It will pop up a folder browser window for you to select a folder on your computer.

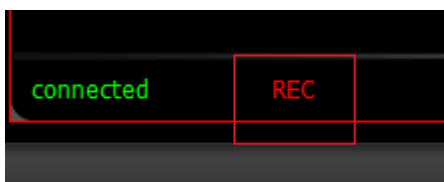
Note: If you are working on windows 10 OS, please run the web browser as administrator first if you fail in setting up the storage path or saving captured pictures or videos.



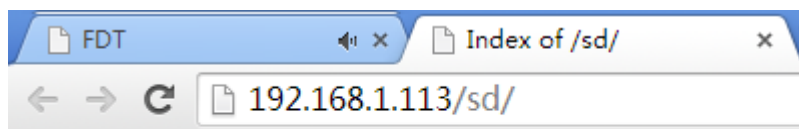
(Only available on IE/Firefox browser on windows OS): Capture pictures by manual.



(Only available on IE/Firefox browser on windows OS): Record video by manual. A mark "REC" will display when manual recording is on.



: Browse the content of the camera's SD card, including pictures and videos. It requires entering username/password of your camera for authentication. You can download any recordings from the SD card to local storage on computer.



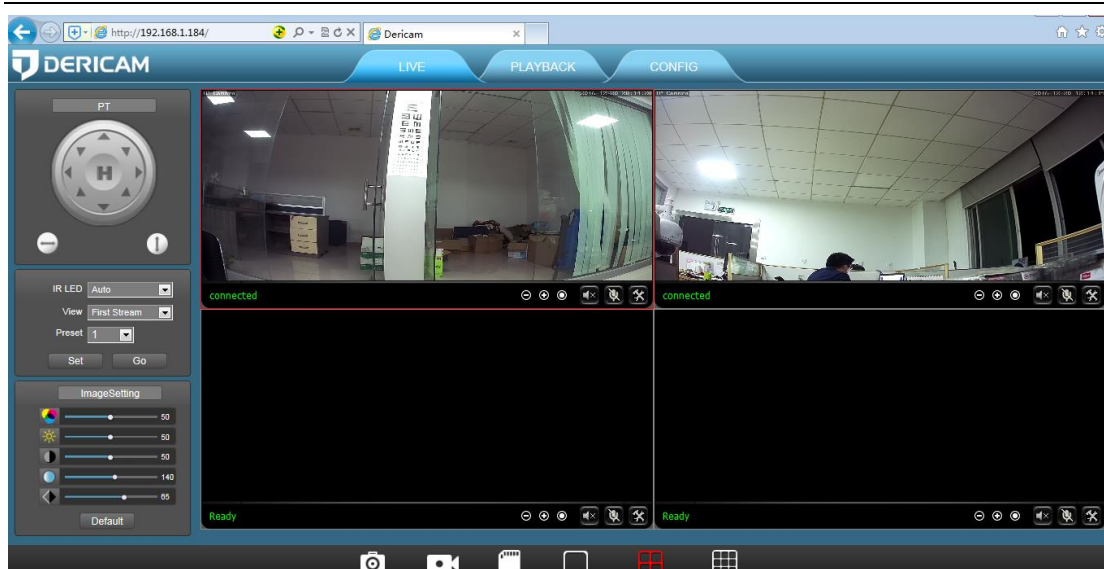
## Index of /sd/

<u>Name</u>	<u>ModifiedSize</u>
<a href="#">Parent directory</a> -	-

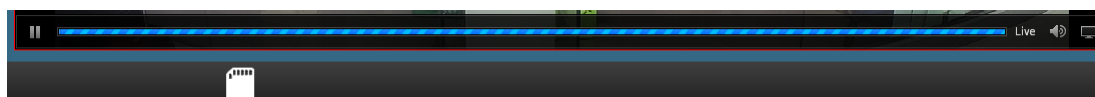



(Only available on IE/Firefox browser on windows OS):


Choose windows (1, 4 or 12) for simultaneously viewing multiple cameras.



**Note:** As the Chrome and Safari forbid any third-party plugin programs to be installed, so some features are not available and their corresponding icons are invisible on Chrome or Safari.

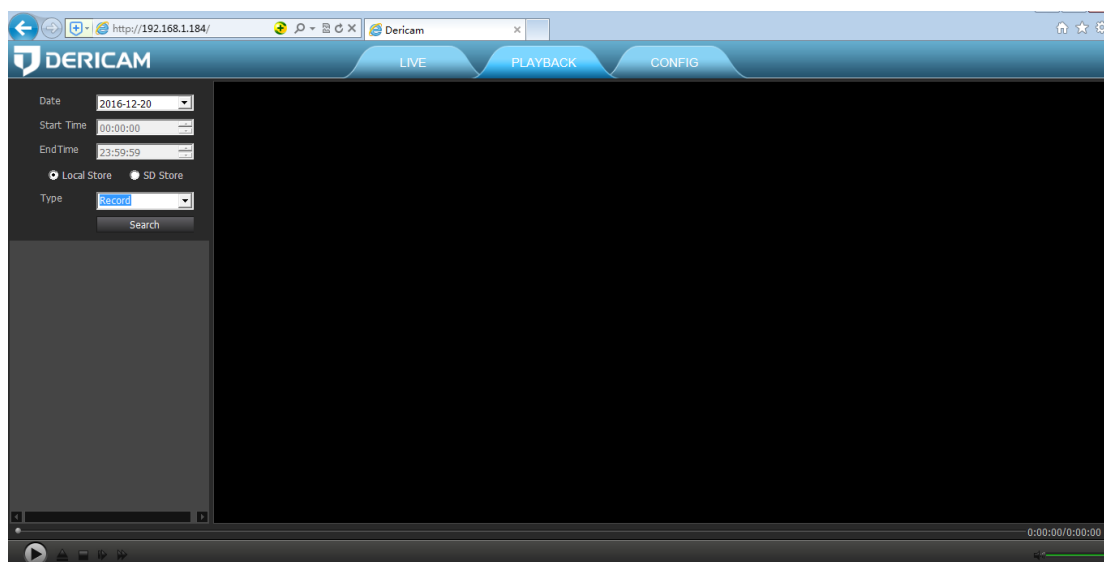


: Turn On/Off the audio for listening.

: Enable the full screen for live viewing.

## 5.3 Playback (Only Available for IE/Firefox browser on windows OS)

### 5.3.1 Search and playback videos



On Playback interface, you can review any recordings saved in the local storage (captured pictures and videos by manual), or automatically saved recordings (motion detection recordings and constant time-schedule recordings, pictures and videos are included) from SD card of the camera.

### 5.3.2 Tool bar

The tool bar on the bottom of playback page is for controlling the playback process.



: Play or Pause.



: Open a local file from the local storage of your computer.



: Stop.



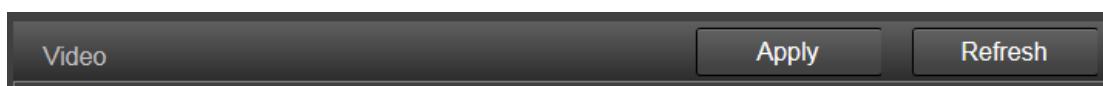
: Play next frame.



: Drag to adjust the audio volume.

## 5.4 Configuration

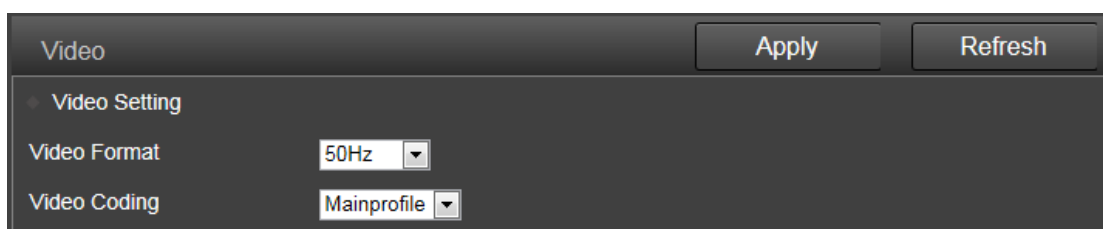
On any configuration page, click the button “Apply” to save your settings, or click “Refresh” to query or refresh the current configuration saved.



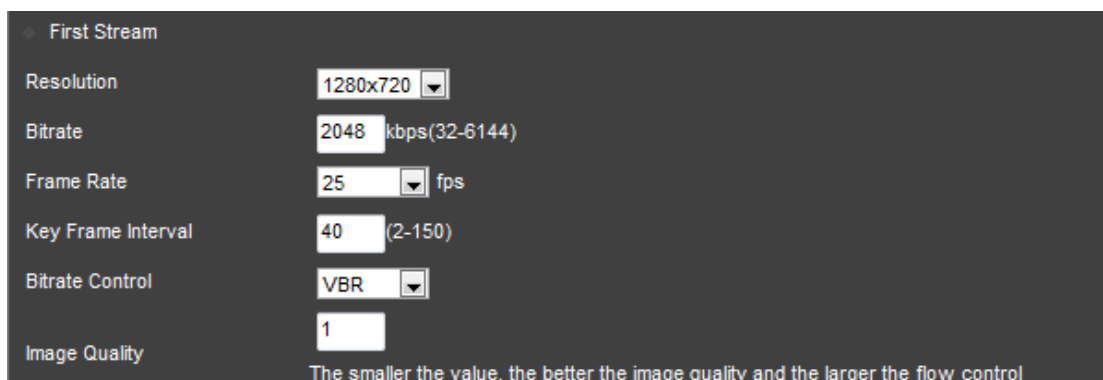
### 5.4.1 Media settings

#### 1) Video

Here you can set the configurations for power frequency and the encoding profile for H.264 according to the frequency of local electric power. E.g., 50Hz for the regions like Europe and China, 60HZ for USA and Canada.



The parameter options below for the first/second stream affect the image/video quality, such as the resolution, bitrate, frame rate, key frame interval, bitrate control and the image quality level.

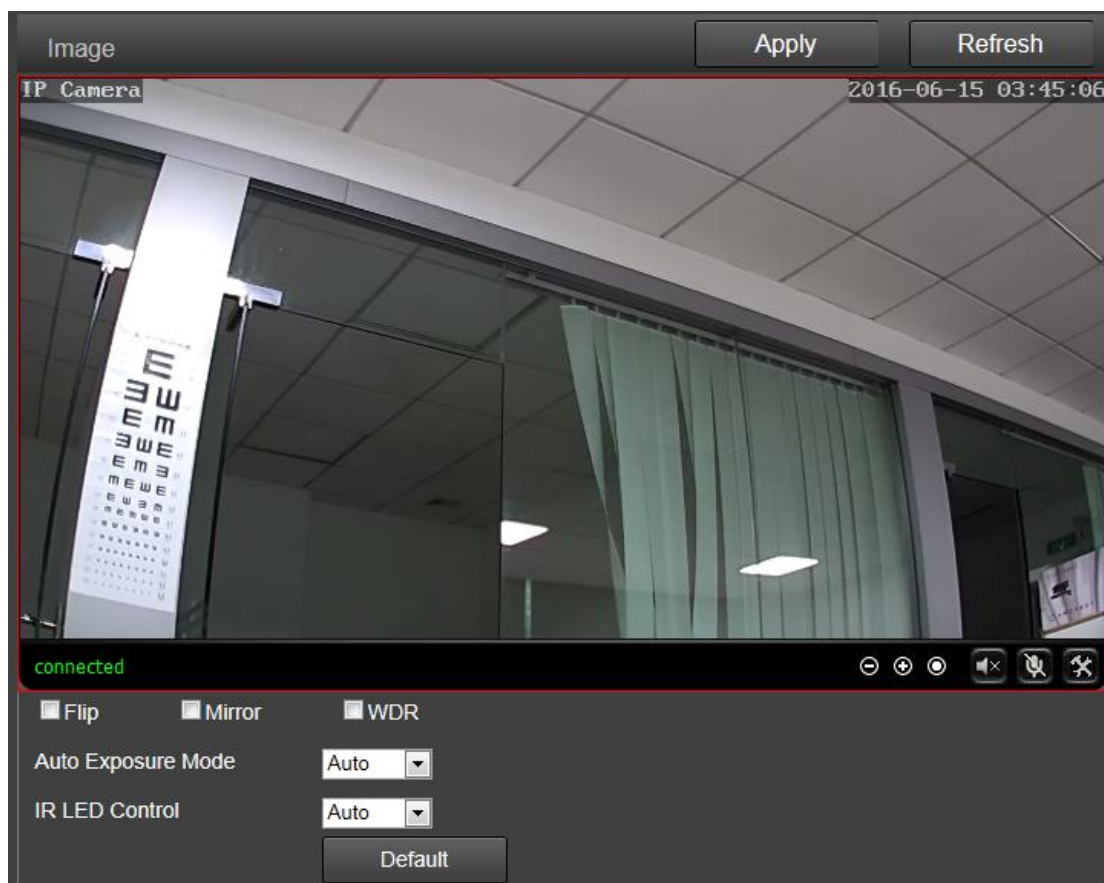


You can enable/disable time stamp on the right top corner, or change the camera's name displayed on the left top corner of the live video (see below).

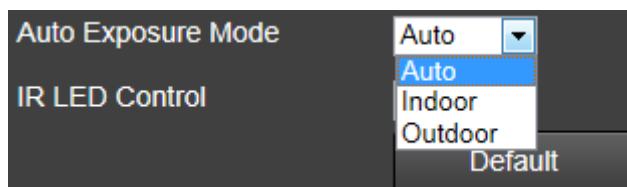


## 2) Image

Tick/tick off in the boxes of Flip, Mirror, WDR to control display mode of the image.



Here you can set an appropriate exposure mode for your camera, such as indoor, outdoor or changing automatically according to the working environment.

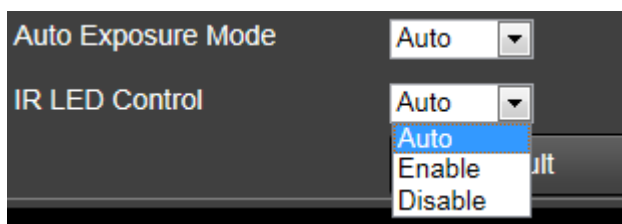


Here you can control the LED light status:

Enable: Make the camera work at night vision mode; the video will be always in black/white.

Disable: Make the camera work at day mode; the video will be always in color.

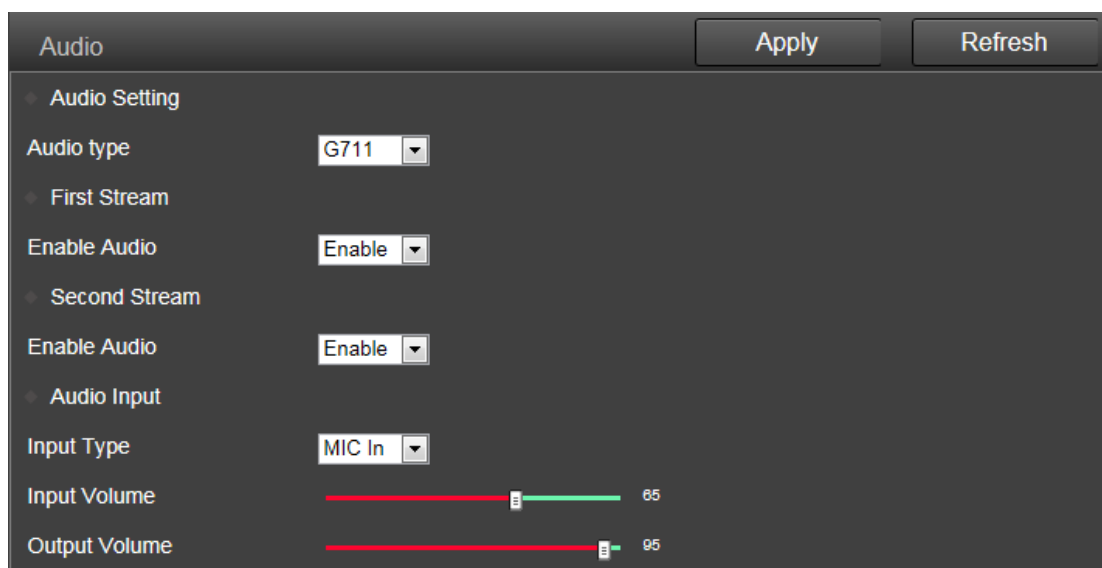
Auto: Make the camera work at automatic mode and the video color will switch automatically according the change of environment light.



**Note:** To reset the default settings, please click the button “Default”.

### 3) Audio

You can set the configurations about audio on this page, including the encoding format for audio, enable or disable the audio for first stream or second stream, the input type, the volume for input and output. Please note that two-way audio function is not available on some models.

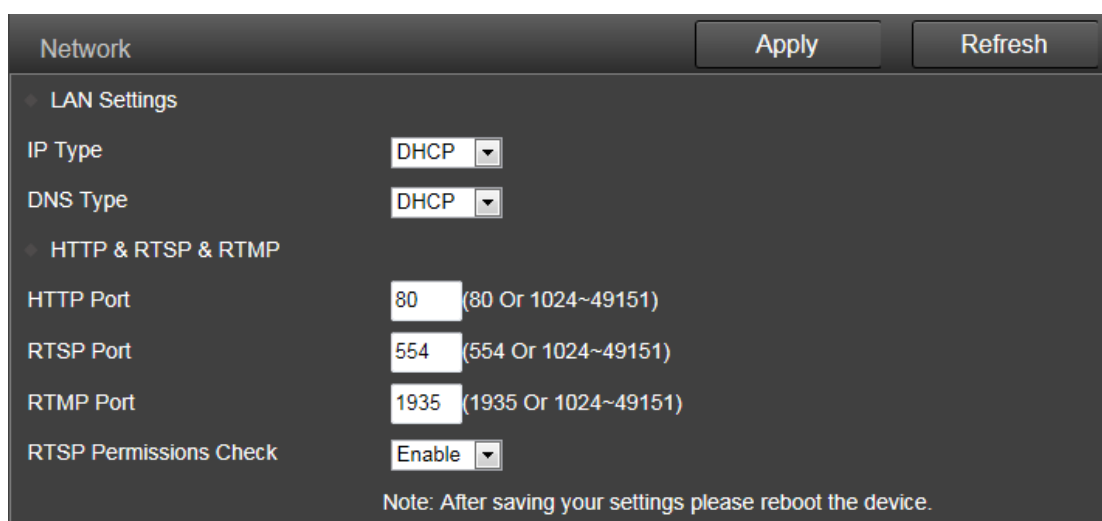


## 5.4.2 Network

### 1) Network

Here you can set up the network configuration like DHCP or Static and the port for HTTP/RTSP/RTMP.

**Note:** Please keep the types of the IP and DNS are the same, both are the DHCP or Static.



## 2) Wireless

On this page you can search the WIFI AP available for your camera to connect, then select and apply the one you want to connect from the list. Please ensure to enable Wireless first.

If you want to check whether the WiFi setup is correct and can be proved by the camera, click the button “Check” after you save your settings.

Wireless Apply Refresh

Enable Wireless Disable ▾

SSID Search

Security Mode None ▾

WPA Algorithm TKIP ▾

Key  👁

Re-type key  👁

Check Wireless Settings Check

Please click the apply button first then try again.

Scan

	Single	SSID	WPA Algorithm	Security Mode	Channel
<span style="border: 1px solid gray; padding: 2px;">Apply</span>	100	icongo-cb2543	NONE	OPEN	8
<span style="border: 1px solid gray; padding: 2px;">Apply</span>	100	sec	AES	WPA2-PSK	11
<span style="border: 1px solid gray; padding: 2px;">Apply</span>	78	se	AES	WPA2-PSK	7
<span style="border: 1px solid gray; padding: 2px;">Apply</span>	37	TP-LINK_920182	AES	WPA-PSK	11

**Note:** The Dericam camera works at wired connection with Ethernet cable as factory default, so you should plug out the Ethernet cable to make it work at Wi-Fi connection after passing the wireless setup.

## 3) DDNS

DDNS setup is mainly for remotely accessing the camera. You can use a third-party DDNS like DynDNS.org/3322.org/dynddns.us/No-ip.com and UPnP service with your camera. You can get the WAN IP address of your network your camera works on by click the “Query” button.



DDNS		Apply	Refresh
Internet IP Address	<input type="text"/>	<input type="button" value="Query"/>	
3P DDNS	<input type="text" value="Enable"/>		
Server	<input type="text" value="Dyndns.org"/>		
User Name	<input type="text" value="myuserid"/>		
Password	<input type="password" value="••••••••"/>		
Domain	<input type="text" value="mydomain.dyndns.org"/>		
UPnP	<input type="text" value="Enable"/>		

#### 4) ONVIF

You can enable ONVIF for connecting the camera with a third-party program like NVR or Blue Iris, the port number can be changed here and you can also select the accessing mode of privilege.

ONVIF		Apply	Refresh
ONVIF	<input type="text" value="Enable"/>		
Port	<input type="text" value="8080"/>		
Privilege	<input type="text" value="Uncheck"/>		
Time Zone Settings	<input type="text" value="Enable"/>		
Image Settings	<input type="text" value="Disable"/>		

#### 5) P2P

On this page you can query the UID of your camera for P2P, and you can enable or disable the P2P feature of your camera as you need. If you disable P2P service, you will not be able to remotely access the camera using App; neither on computer unless configuring port-forwarding.

P2P		Apply	Refresh
P2P	<input type="text" value="Enable"/>		
UID	<input type="text" value="AAAA-263424-CVLVZ"/>		

### 5.4.3 Alarm

#### 1) Audio Alarm

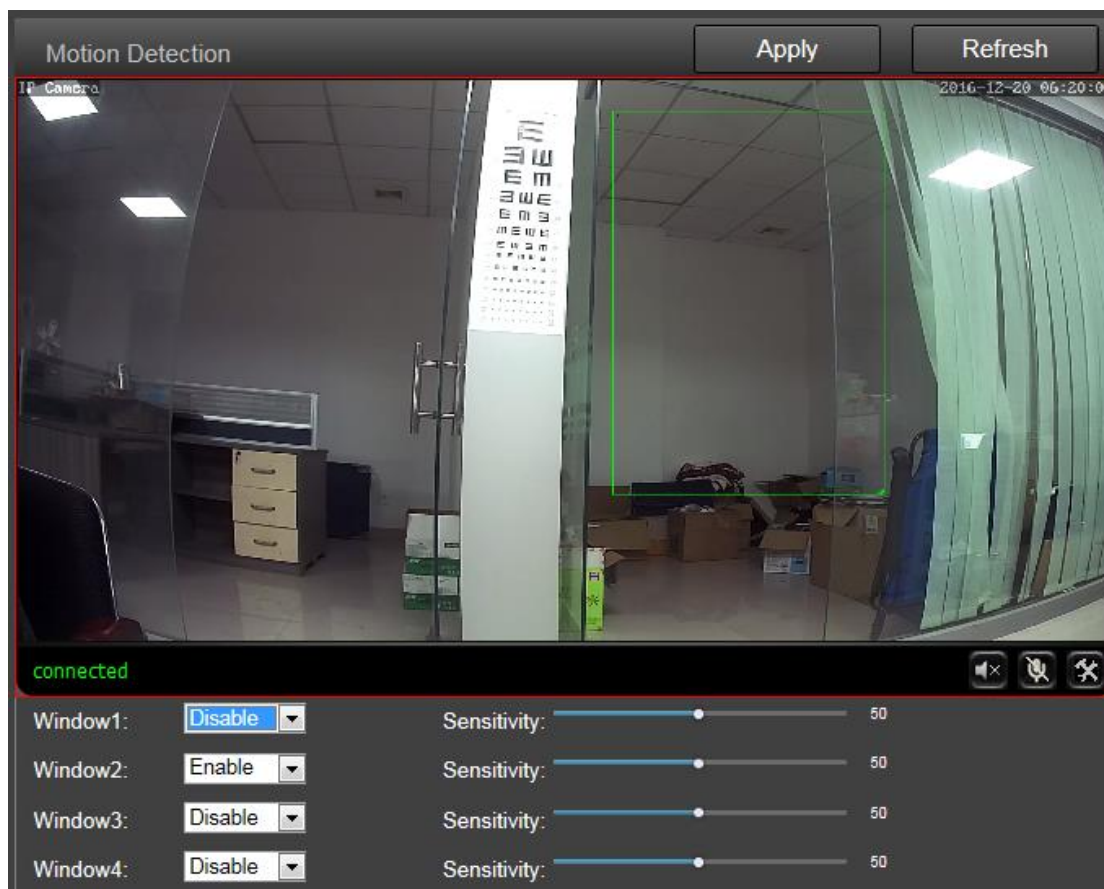
Here you can enable/disable the audio alarm of your camera. You can set up the volume range to respond to alarm sensitivity.

Audio Alarm		Apply	Refresh
Audio Alarm	<input type="text" value="Enable"/>		
Volume Range	<input type="range" value="50"/>		

#### 2) Motion Detection (Only Available for IE/Firefox browser on windows OS)

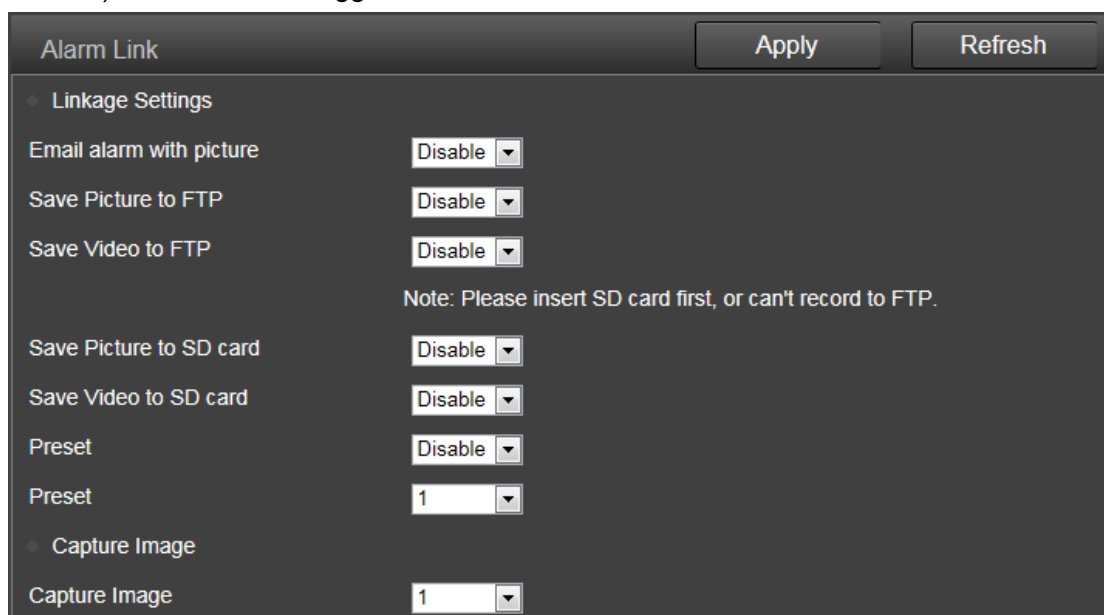
Here you can set up the areas for the motion detection and the sensitivity values of each area.

You can enable or disable each of the area, or change the size of each area by dragging the edge on the bottom right corner of the green square, or change the position by dragging the selected green square.



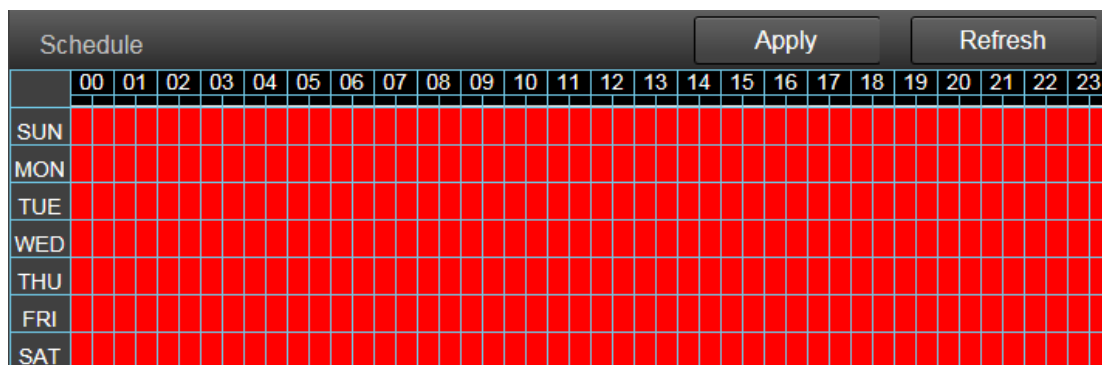
### 3) Alarm Link

On this page you can enable or disable sending alarm emails with snapshots, choose the saving path (SD card, FTP server) and set up preset positions for motion detection (only for Pan/Tilt camera) once the alarm triggered.



### 4) Schedule

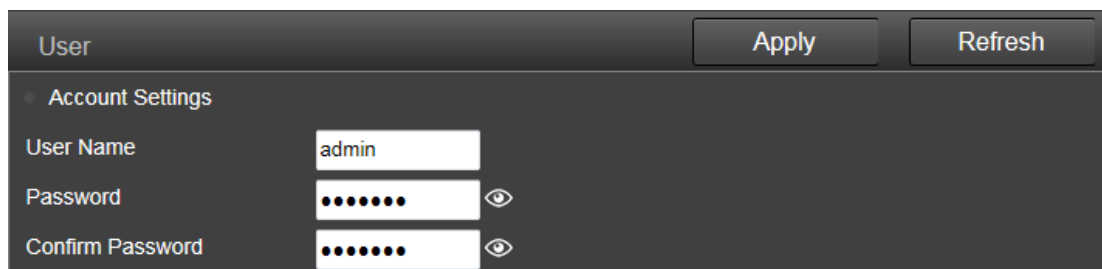
On this page you can set up the schedule for 24/7 motion detection, red area means motion detection enabled while white means disabled.



## 5.4.4 Advance

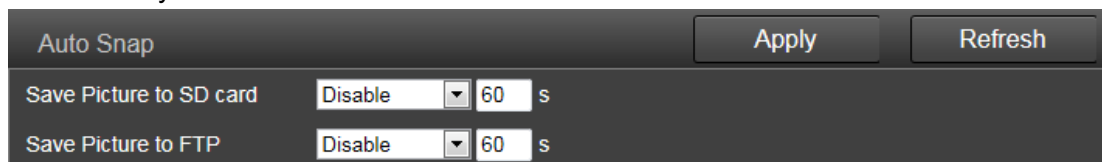
### 1) User

Here you can edit the account information of the camera, such as change the username or password, the default account is admin/admin.



### 2) Auto Snap

Here you can enable saving snapshot to SD card after a certain time period (interval) automatically. And the interval can be user-defined.



### 3) Timed Recording

Timed recording is for constant recording, which you can also set up 24/7 schedule. The video quality and size are decided by the stream type and video/image parameters. You can set up the clip length of each recording file. We recommend setting the length not more than 600s for each file in order to load and playback smoothly. The timed recordings are titled as “Plan recording” on SD Playback list of App; and “P” on the list of Playback on computer.

Timed Recording Apply Refresh

File Recording Duration  s

Enable Recording

Stream

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
SUN																								
MON																								
TUE																								
WED																								
THU																								
FRI																								
SAT																								

#### 4) Email

On this page you can configure the parameters for sending alarm by email.

**Note:**

SMTP port is usually set as 25. Some SMTP servers have special port, such as 587 or 465.

Authentication is used for transport layer security, it is usually none. If you use gmail and enable the authentication with TLS or STARTTLS, the SMTP port must be set to 465 or 587, it depends the authentication type you selected.

You can click the “Test” button to check whether your email settings are valid or not.

Email Apply Refresh

SMTP Server

Port

Authentication

Authentication Status

User Name

Password

Send to

Sender

Subject

Message

SMTP Test

Please click the apply button first then try again.

#### 5) FTP

Setting FTP server to save recordings on computer is available. You can click the “Test” button to check whether your settings are correct and can be passed.

FTP

Server

Port

User Name

Password

Passive Mode

Path

FTP Test

Please click the apply button first then try again.

### 6) PTZ

This page is for configuring parameters for Pan/Tilt operation.

**Cruise Cycles:** movement cycles for each vertical or horizontal cruise.

**PTZ Speed:** adjust the movement step for each Pan/Tilt operation; and the lower of PTZ speed, the smaller of step for each finger sliding in App or click on web browser interface.

**Return to center preset:** the lens will go to the preset center position after the cruise is complete.

**Disable alarm while PTZ in motion:** stop motion detection while the camera is panning or tilting.

**Indicator Display Mode (not available on some models):** use a LED light to indicate whether the system is well powered on.

PTZ

Cruise Cycles  (1-50)

PTZ Speed

Return to center preset

Disable alarm while PTZ in motion

Indicator Display Mode

### 7) Multiple Setting (Only Available for IE browser on windows OS)

On this page you can search the Dericam cameras on the same LAN and add them into your multiple device group. Then you can view them at the live page together.

Multiple Setting

LAN Search

- 7932(192.168.1.24)
- 2MBull(192.168.1.27)
- B1(192.168.1.7)
- 128GB(192.168.1.10)
- 16G(192.168.1.15)
- 8GB(192.168.1.18)
- 32GB(192.168.1.8)

The 1st device

OSD Name

IP Address

HTTP Port

User Name

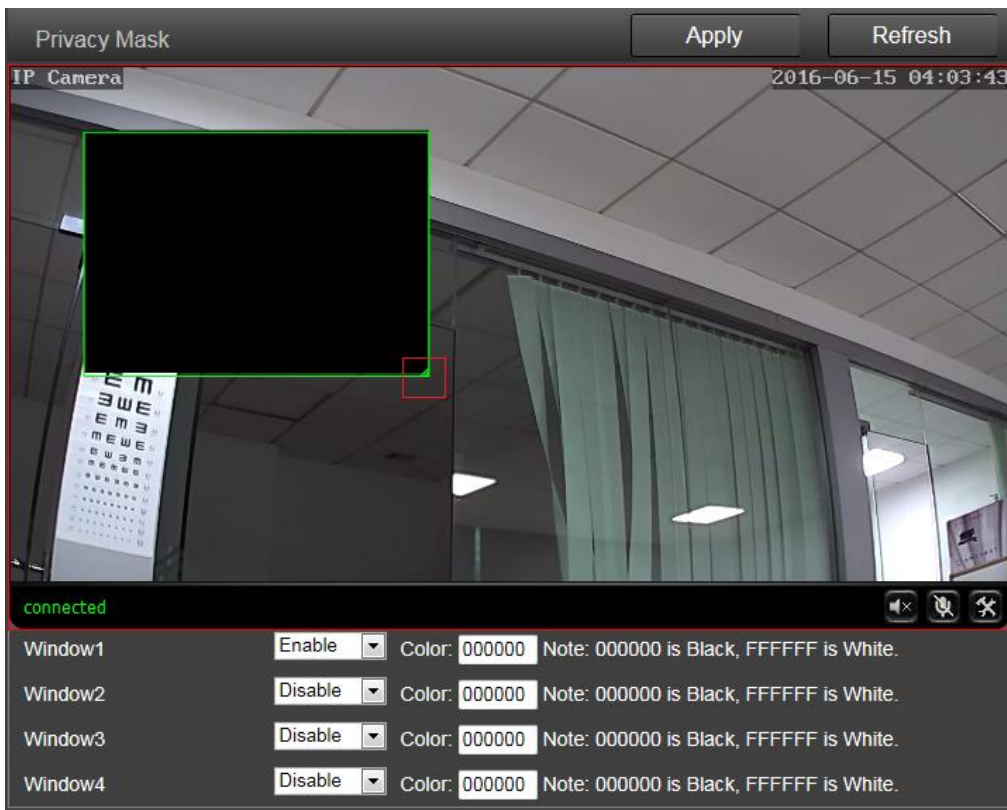
Password

The 3rd device

The 4th device

### 8) Privacy Mask (Only Available for IE/Firefox browser on windows OS)

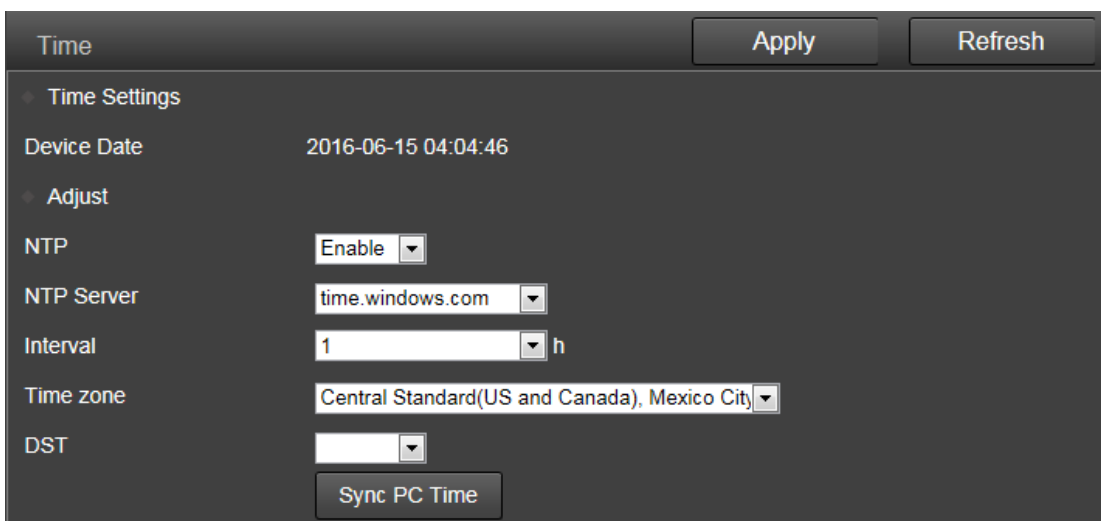
Here you can set up masks for up to 4 areas which you don't want the camera to monitor in the screen in different colors. And the position and size of mask areas can be adjusted by dragging the mask box or edge.



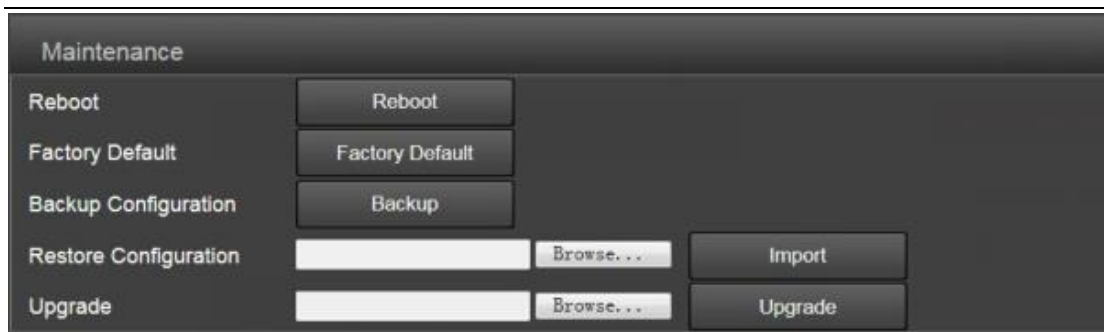
## 5.4.5 System

### 1) Time

Here you can set the time, date, the status of NTP and DST (Daylight Saving Time), and the time zone for your camera.



### 2) Maintenance



**Reboot:** reboot the camera.

**Factory Default:** reset the Camera Setups to the factory default settings. And reset, you should connect the camera and router with Ethernet cable and redo initial setup again.

**Backup Configuration:** backup the current settings of the camera, it will generate a file name “config\_backup.bin” for you to save.

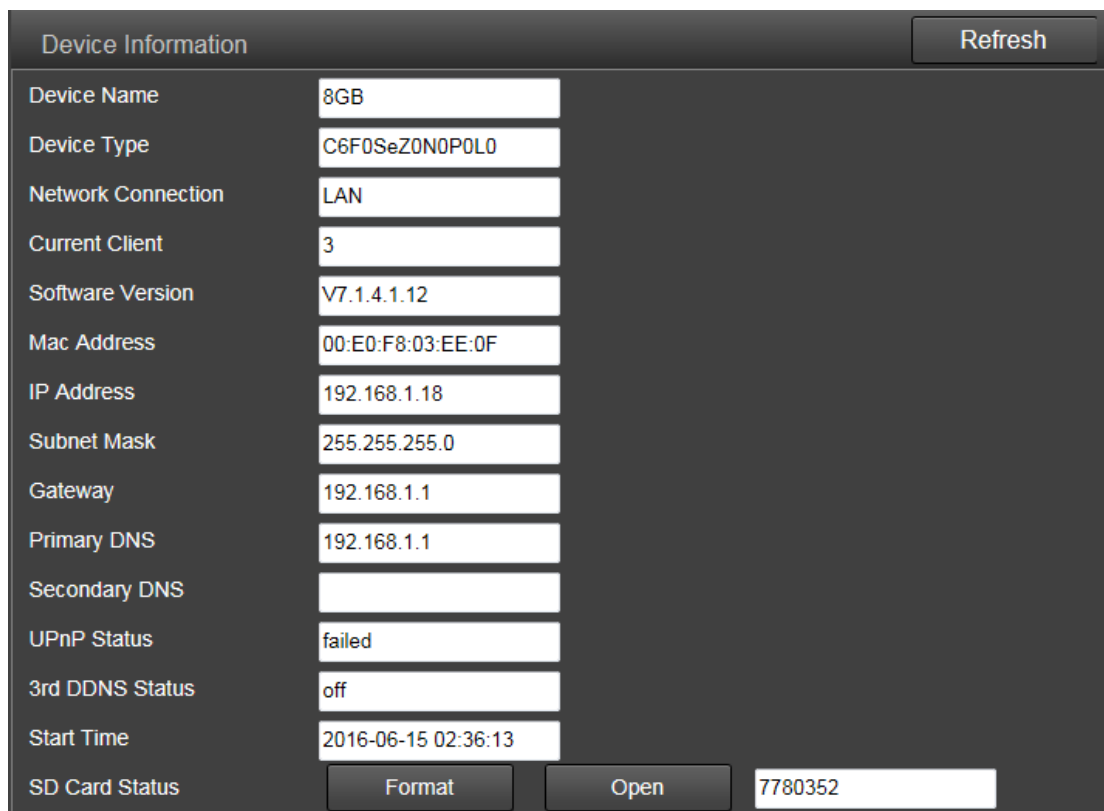
**Restore Configuration:** Import and restore the configuration file you backed up before. Please browse and select the file you want to import, then click the “Import” button.

**Upgrade:** Upgrade the firmware. Please browse and select the file you want to upgrade, then click the “Upgrade” button. Please go to FAQs from the software CD or our website [www.dericam.com](http://www.dericam.com) to get more detail and important instruction documentation about it.

### 3) Device Information

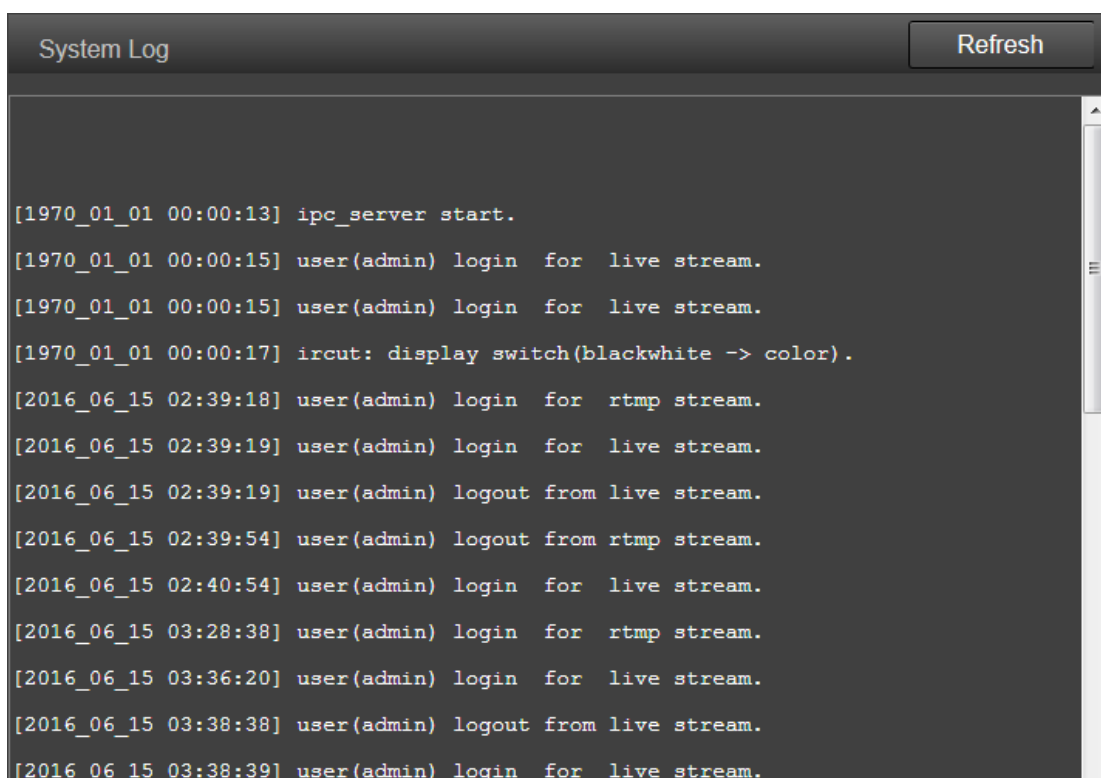
Here you can query and check the main information and status of the camera, including the name, time, IP, firmware version, DDNS and UPnP status, and the SD card.

By clicking the “Format” button, you can format the SD card of your camera. By clicking the “Open” button you can open and browse the contents of the SD card.



#### 4) System Log

Here you can query the history operation or running log of your camera.



The screenshot shows a web interface titled "System Log" with a "Refresh" button in the top right corner. The log content is as follows:

```
[1970_01_01 00:00:13] ipc_server start.
[1970_01_01 00:00:15] user(admin) login for live stream.
[1970_01_01 00:00:15] user(admin) login for live stream.
[1970_01_01 00:00:17] ircut: display switch(blackwhite -> color).
[2016_06_15 02:39:18] user(admin) login for rtmp stream.
[2016_06_15 02:39:19] user(admin) login for live stream.
[2016_06_15 02:39:19] user(admin) logout from live stream.
[2016_06_15 02:39:54] user(admin) logout from rtmp stream.
[2016_06_15 02:40:54] user(admin) login for live stream.
[2016_06_15 03:28:38] user(admin) login for rtmp stream.
[2016_06_15 03:36:20] user(admin) login for live stream.
[2016_06_15 03:38:38] user(admin) logout from live stream.
[2016_06_15 03:38:39] user(admin) login for live stream.
```



## 6. Frequently Asked Questions

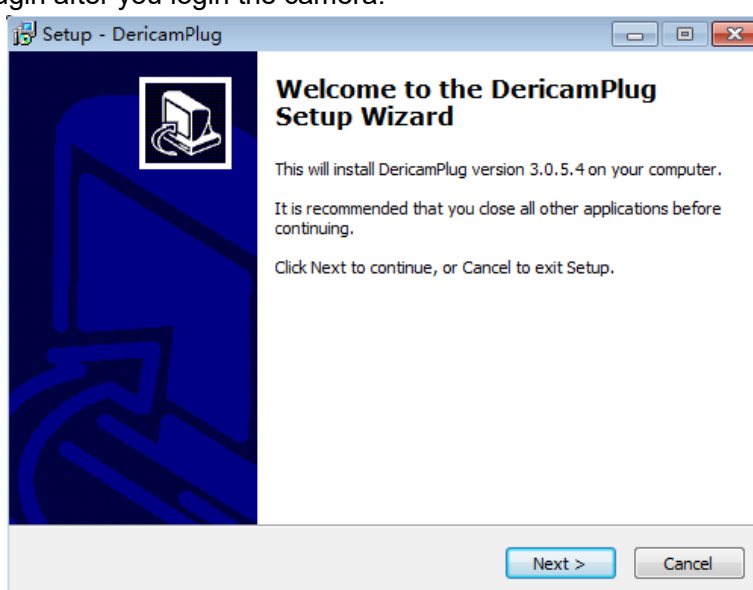
### 6.1 How to start the live view in computer by web browser?

Before you start the live view in windows OS in IE browser or Mozilla Firefox. Please install the plugin first. But for the Google Chrome or Safari, you can start the live view directly by accessing the IP address of your camera, no need to install the plugin which is not supported for installation by Chrome and Safari.

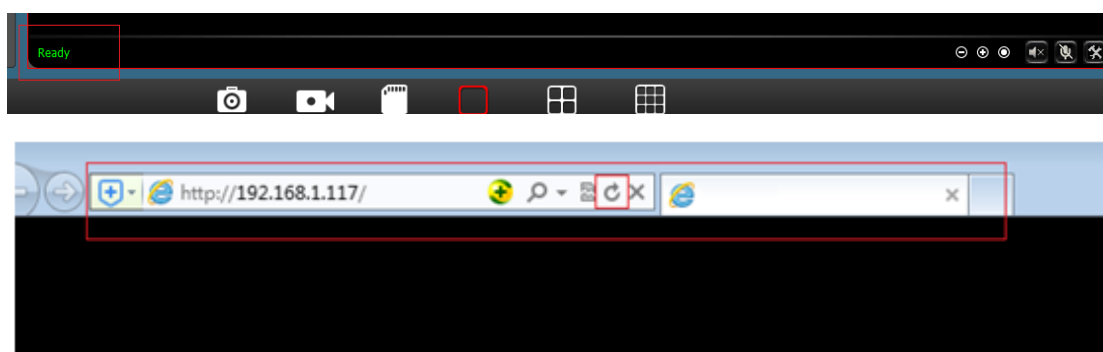
#### 6.1.1 How to install the plugin for IE browser in Windows OS?

When you login the camera in your computer at the first time by IE browser, the IE browser will prompt automatically to show you to allow the installing of the Dericam camera plugin named **DericamPlug**.

1. Allow to install this plugin after you login the camera.
2. Install the plugin after you login the camera.



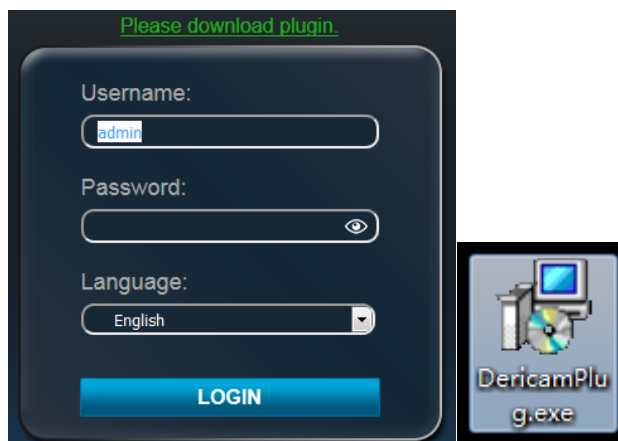
3. Refresh the IP address when it is ready to login and access your camera.



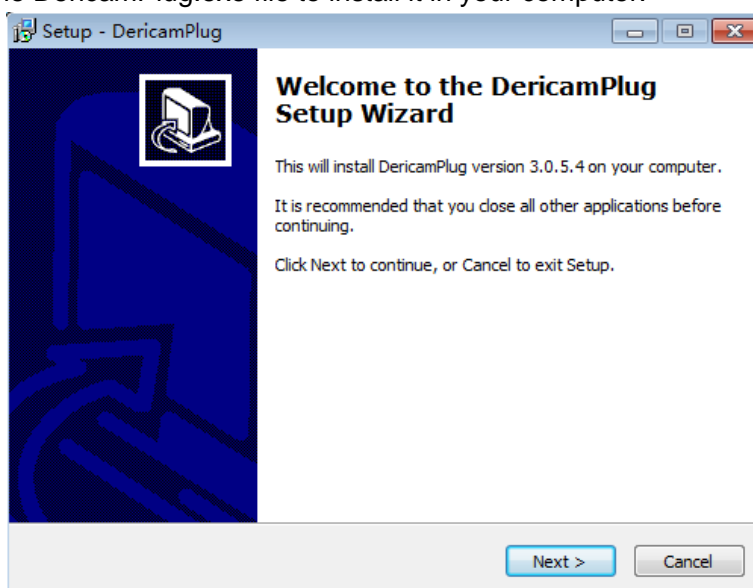
#### 6.1.2 How to install the plugin for Mozilla Firefox browser in Windows OS?

When you login the camera in your computer at the first time by Firefox browser, it will show you to download the plugin. Please click the text link to download and save this plugin in you computer, and install it by manually.

1. Click and download the plugin from the login page, save it to your computer.



2. Double click the DericamPlug.exe file to install it in your computer.

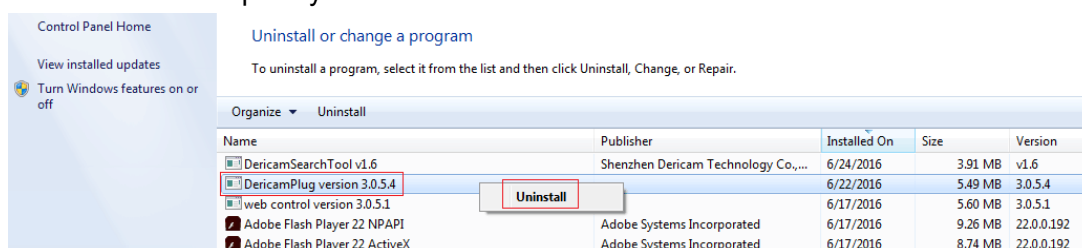


3. Refresh the IP address in your web browser to access your camera after you install the plugin successfully in your computer.

### 6.2 How to uninstall the plugin in your computer?

Please go to Control Panel->Uninstall a program to find the program named DericamPlug, then uninstall it directly.

Note: Please make sure you closed the web browser who is using this plugin, or it may could not be uninstalled completely.



### 6.3 Forgotten the username or password of the camera.

Here have a hard reset button in the camera. Please press and hold the reset button for 5-10 seconds. Upon releasing the reset button, the camera will reboot automatically and the username

and password will be restored to the factory default settings.

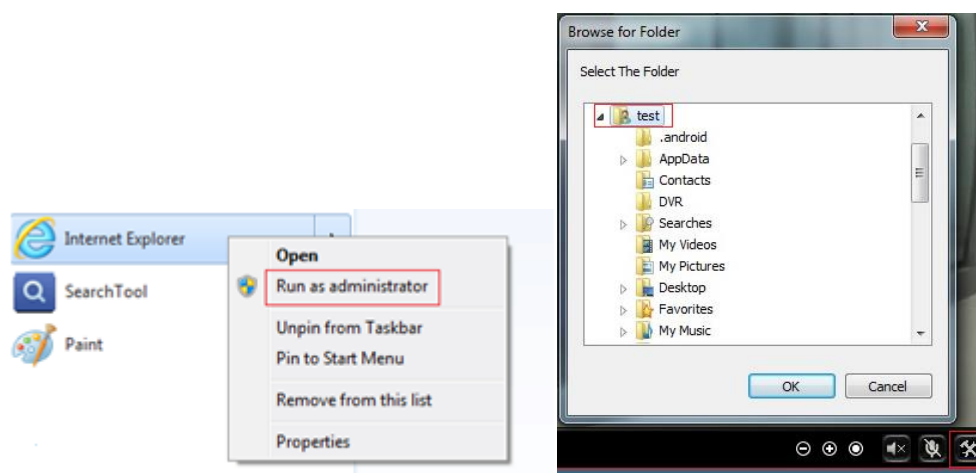
Default username: **admin**

Default password: **admin**

**Note:** The password is case sensitive.

## 6.4 Could not record videos or snap pictures in IE 11 or Firefox of Windows 10 OS.

Because the security limitation of IE 11 and windows, you could not enable the recording/snap path to store. Please run your web browser as administrator authority, and set an available file path to save your recordings and pictures. Then they will work in your computer.



## 6.5 Camera could not connect the wireless network by Wi-Fi.

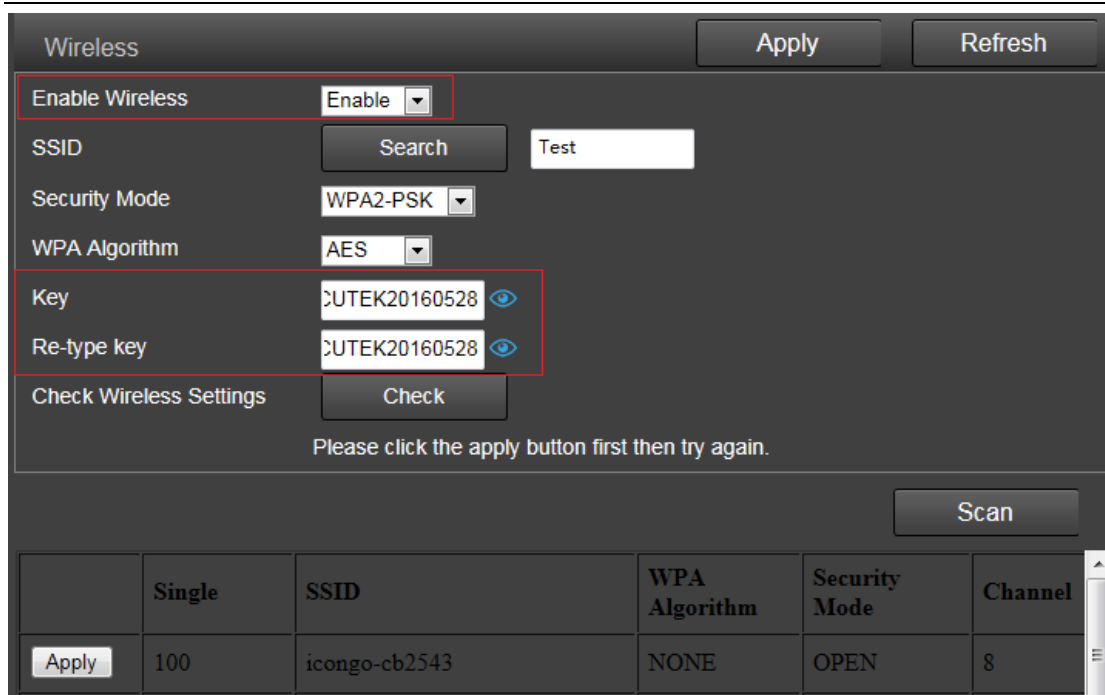
1. Please go to the CONFIG->Network->Wireless page through web browser, here is a check button, you can check whether your Wi-Fi settings are right or not by this button. If your settings are correct, it will show you success.

2. Please make sure these special characters did not be included in your Wi-Fi password, such as & = ' " \ % +.

3. The camera only support 2.4G Wi-Fi, did not support 5G. Please make sure you did not set the 5G Wi-Fi configuration to the camera.

4. Please make sure you have enabled the wireless.

5. Please make sure your Wi-Fi password is correct, you can display the password by click the eye-icon beside the input box.



### 6.6 The plugin is blocked by Firefox.

Firefox will block the NPAPI plugin by default, it will prompt you to allow this plugin when you access the camera or you can activate the plugin after you login the camera.

Please **refresh** the IP address of your camera to access your camera again once you allow or activate the plugin in your Firefox browser.

