User Manual

FDT 720P 4x PTZ camera-FD7903W/B

V1.0.1

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Welcome

Thank you for purchasing our FDT IP camera!

This user manual will help you become familiar with our camera in a very short time. Here you can find information about the camera's features and functions, as well as information to aid in troubleshooting.Before installation and operation, please read the below safeguards and warnings carefully.

If you still have further questions, please visit **http://fdt.us**toget any supports from FDT team.
Email: support@fdt.us
Visit: www.fdt.us/support
USA Direct: **713-955-7170**

Important Safeguards and Warnings

In order to keep your camera secure and prevent unauthorized access, please make sure to follow the steps below:

1)Always make sure your camera has the latest firmware as listed on**http://fdt.us**.

2) 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.

Electrical Safety

- All installations and operations here should conform to your local electrical safety codes.
- We assume no liability or responsibility for any of the fires or electrical shocks caused by improper handling or installation.
- We are not liable for any problems caused by unauthorized modifications or attempted repair.
- Improper battery use may result in fire, explosion, or personal injury.
- When replacing the battery, please make sure you are using the same model.
- This product must be grounded to reduce the risk of electric shock.

Transportation Security

Heavy stress, violent vibrations, and excess moisture should not occur during transportation, storage, and installation of the device.

Installation

Handle the device with care. Keep the device right side up.
Do not apply power to the camera before completing installation.
Do not place objects on top of the camera.

Repair Professionals

All the examination and repair work should be done by qualified service engineers.
We are not liable for any problems caused by unauthorized modifications or user-attempted repair.

Environment

The camera should be kept in a cool, dry place away from direct sunlight, flammable materials, explosive substances, etc.
This product should be transported, stored, and used only in the specified environments as stated above.
Do not aim the camera at a strong light source, as it may cause overexposure of the picture, and may affect the longevity of the camera's sensors.
Ensure that the camera is in a well ventilated area to prevent overheating.

Operation and Maintenance

Do not touch the camera sensor or lens directly.
To clean dust or dirt off of the lens, use an air blower or a microfiber cloth.

Accessories

Be sure to use only the accessories recommended by manufacturer.
Before installation, please open the package and check to ensure that all of the components are present.
Contact the retailer that you purchased from, or FDT directly if anything is broken or missing in the package.

Check Hardware

When you receive the product in the package, unpack itand check all sides of the product for any physical damage. The protective materials used in the package of the product can protect most accidental damage during transportation, but to ensure your equipment is operating as expected, it is recommended to inspect the product before proceeding further.

On the product, check specifically that the label on the bottom of the product is not damaged. The serial number of the unit is often needed to provide support.

Please check that all required items for your camera are present. If any item is missing, please contact us as soon as possible so we can send you the missing component.

Note: Hardware may not look exactly as pictured in this section, but the steps to assemble the hardware are the same.

1 Features and Specifications

1.1 Overview

The FDTIP Camera is an excellent digital surveillance product that can be useful to a wide variety of users. The camera connects to any router, and uses an internet connection to allow the user to access all of its functionality from many internet connected devices. It's easy to use and can be set up in a relatively small amount of time. It has various functions such as recording, playback, and monitoring functionality and it synchronizes audio and video by default.

The FDT IP camera connects to a wide variety of routers in order to connect to the internet, both through a wired connection and wirelessly. Once setup, the camera can be accessed remotely from a wide variety of internet connected devices, including PC, iPhone, iPad, Android tablet, and Android phone.

This FDT IP Camera adopts a high-quality design in order to achieve high levels of reliability and security. It can be configured to work locally, as well as on a network. It also has a built-in WiFi adapter allows the camera to be used on a wireless network, without needing a physical connection to a router or PC.

1.2 Features

The FDT IP Camera has the following features:

HD Resolution

The FDT IP camera is an integrated wireless IP Camera with a color CMOS sensor which enable to view in High Definition resolution. It combines a high quality digital video camera, with a powerful web server, to bring clear video to your desktop and mobile devices no matter where by your local network or over the Internet.

P2P function

The FDT camera supports P2P function. You don't need to makecomplicated Port Forwarding and DDNS settings, just need to add it into your mobile devices. Then you can remote access it easily.

H.264 Encoding

The FDT IP Camera provides users with more comprehensive controls over a monitored site. The camera supports H.264 video compression technology, dramatically reduces file size and saves networkbandwidth.

Web access

The FDT camera is designed for surveillance with wide applications such as at home, in retail store and in office. Controlling the camera and managing images are simplified by using the provided web interface across the network in either wired or wireless way.

Mobile device access

The FDT IP camera provides **"FDT View"** App for mobile devices.You can search and

install iton App Store or Google Play, then you can access yourcamera on your mobile devices.

Advanced Playback Function

The FDT IP camera supports real-time recording and can support search, fast forwarded playback, recorded searches, and downloading of videos and snapshots. It can also playback frame by frame as needed. When recording, the Camera shows a date/time overlay to ensure accurate viewing of events when they occurred.

Note: There may be slight differences in functionality due to the existence of different product series.

1.3 Specifications

Camera	**Image Sensor**	1/3" 960P CMOS
	Effective Pixels	1280 (H)x960(V)
	Day/Night control (IR-Cut)	Auto(ICR) / Color / Black&White
	Pan & Tilt	Horizon-355°, Vertical-90°
	Memory slot	Miscro SD Card, up to 128GB
	IR distance	20m
	Smart Alerts	Motion detection
Lens	**Focal Length**	2.8-12mm, 4x optical zoom
	Max Aperture	F1.2
	Angle of View	30-90°
Video	**Resolution**	Main Stream：720P (1280x720)+ VGA (640x480) Sub Stream： VGA (640x480) + QVGA (320x240)
	Video Bitrates	32Kbps ~ 6144Kbps
	Video Frame Rate	25fps@720P
	Image snapshot	Supported
	Dual video stream	Supported
Network	**Ethernet**	RJ-45 (10/100Base-T)
	Network Protocol	HTTP, FTP, TCP/IP, UDP, SMTP, DHCP, NTP, UPNP, RTSP, Onvif, DDNS
	Web browser	Windows: IE/Firefox/Chrome, Mac: Safari/Chrome
	Smart Phone	Dericam App, IOS: iPhone+iPad, Android: Smartphone+Tablet
	Wifi	WiFi (802.11b/g/n), 2.4G only, supports WEP/WPA-PSK/WPA2-PSK encryption
	P2P	Supported
	Max. User Access	3 users (Main stream) + 3 users (Sub stream)
General	**Power Supply**	DC 12V/1A
	Power Consumption	<8W
	Working	-10℃~+60℃,10%~90% RH

	Environment	
	Dimensions	250x225x145mm
	Weight	1.5kg

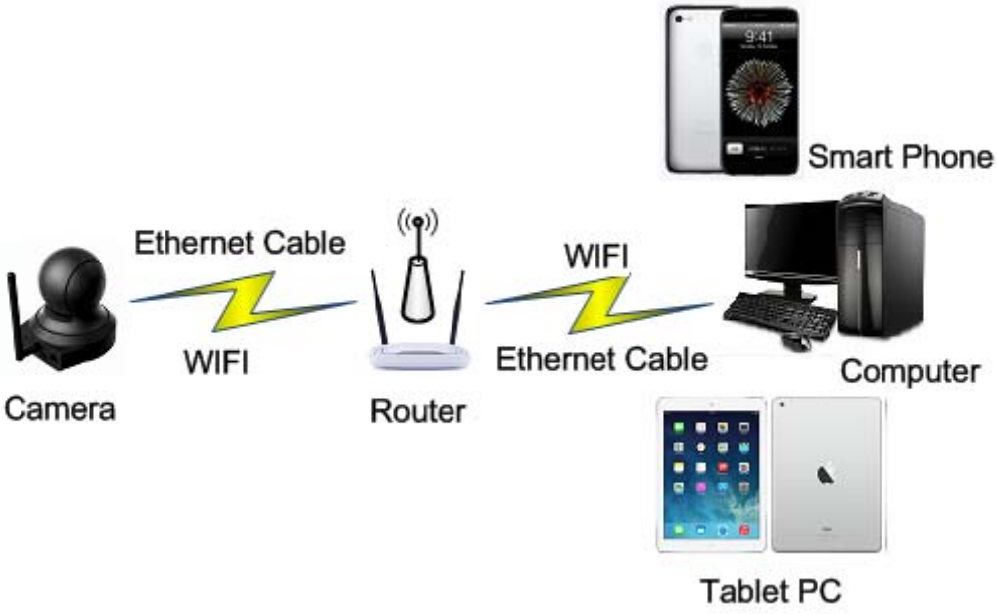
2 Device Overview

3 Camera Connection andInstallation

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

3.1 Connection Guide

The FDT camera can be accessed through the web browser in the computer or the App in the smart phone or tablet PC. Before accessing, you should connect the camera to your router by Ethernet cable or WiFi after it is powered on.



3.2 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.

3.3 Default Username and Password

To login to the camera for the first time, the default username/password is **admin/admin**. Once you've successfully logged in, it is highly recommended to change the username and password for security reasons.

Note: Logging in for the first time will force the user to change the default password of the admin account.

4Access the camera

4.1 Mobile device access

The FDT cameracan be accessedthrough FDT View app on either iOS or Android mobile devices. To access your device from a smart phone or tablet, please search and install **FDT View**app first from App Store or Google Play.

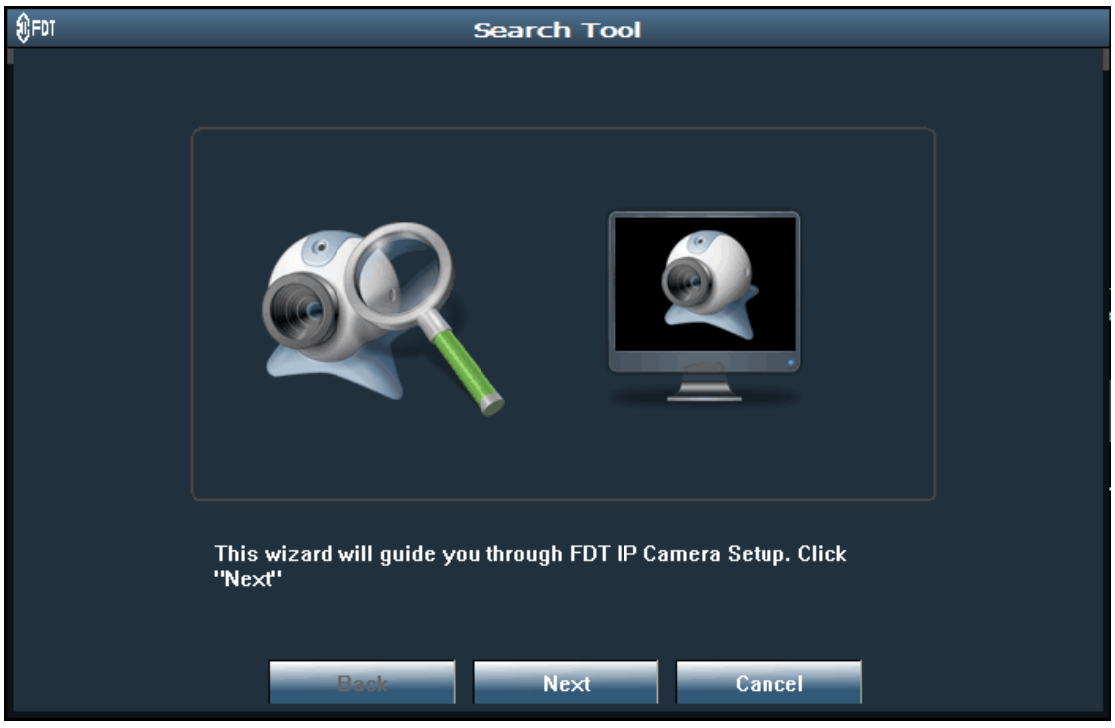
4.2 Web browser access

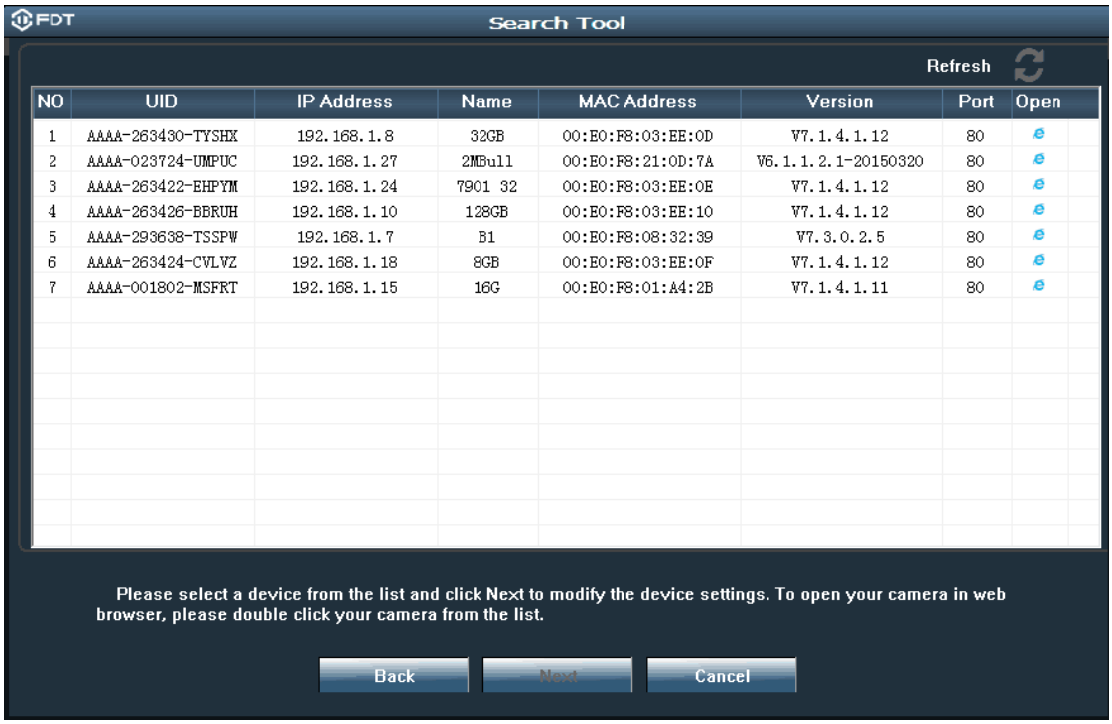
The FDT camera can be accessed through web browser for both windows and Mac OS. It supports the IE/Chrome/ Mozilla Firefox in windows and Safari/Chrome in Mac. The web browser accessing can supports all advance features of the FDT camera.

4.2.1 SearchTool for Windows OS

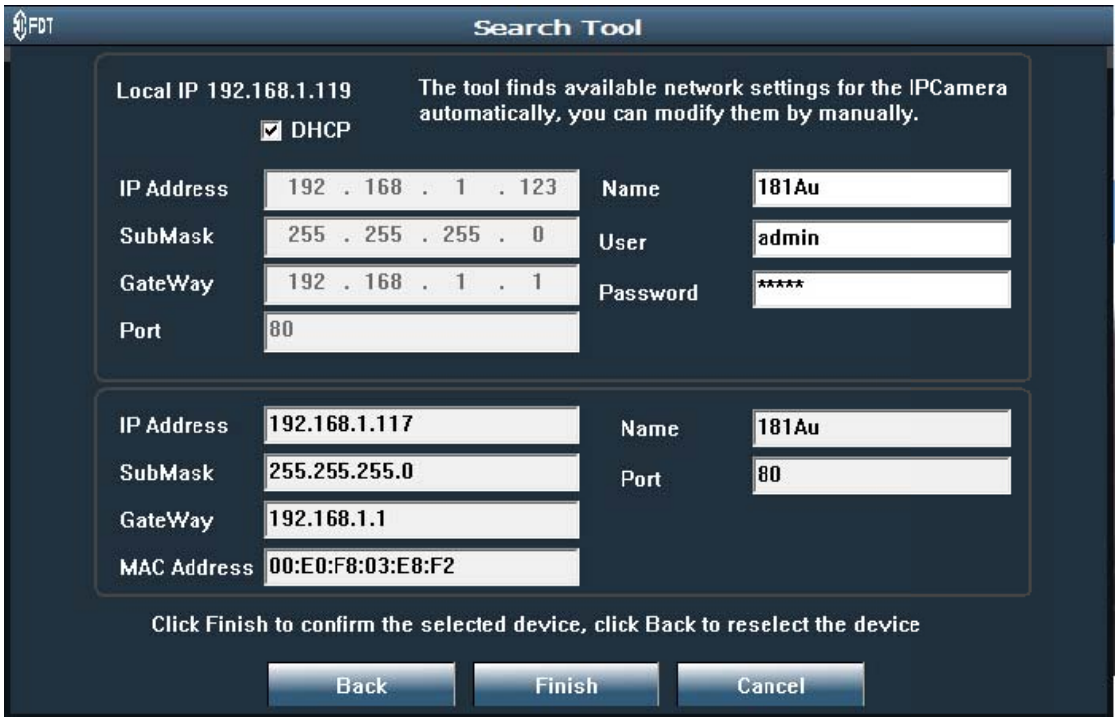
To easily connect to the camera's interface in Windows, use the included CD to install and run the "SearchTool"for Windows.Alternatively, you can download thelatest tool from **http://fdt.us**. However, before using the SearchTool to find the FDT camera in your local network, please ensure:

1) The camera is connected to the Network via an Ethernet cable or Wifi.
2) The camera and the PC are on the same local network.
3) To open the camera's web interface, pleaseuse the IE/Chrome/Mozilla Firefox in Windows OS, use the Safari/Chrome in Mac OS.





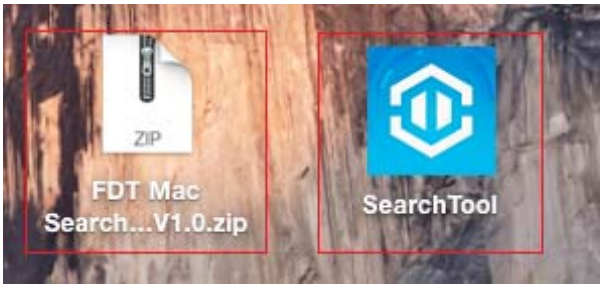
You can also edit some network configurations, camera name through the SearchTool.But you have toenter the correct camera's username/password to make your modifications valid.

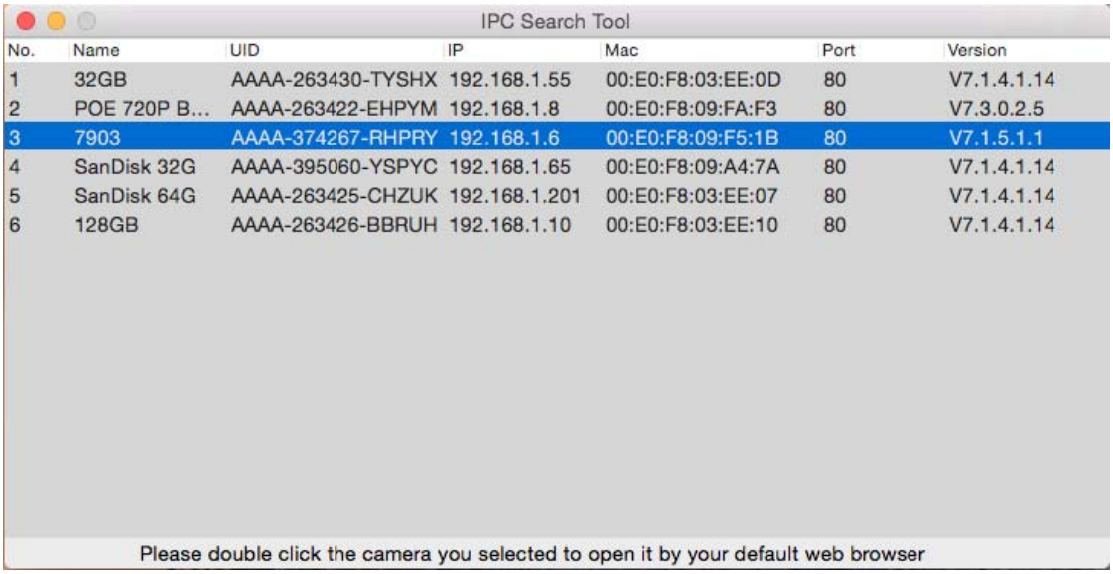


4.2.2 SearchTool for Mac OS

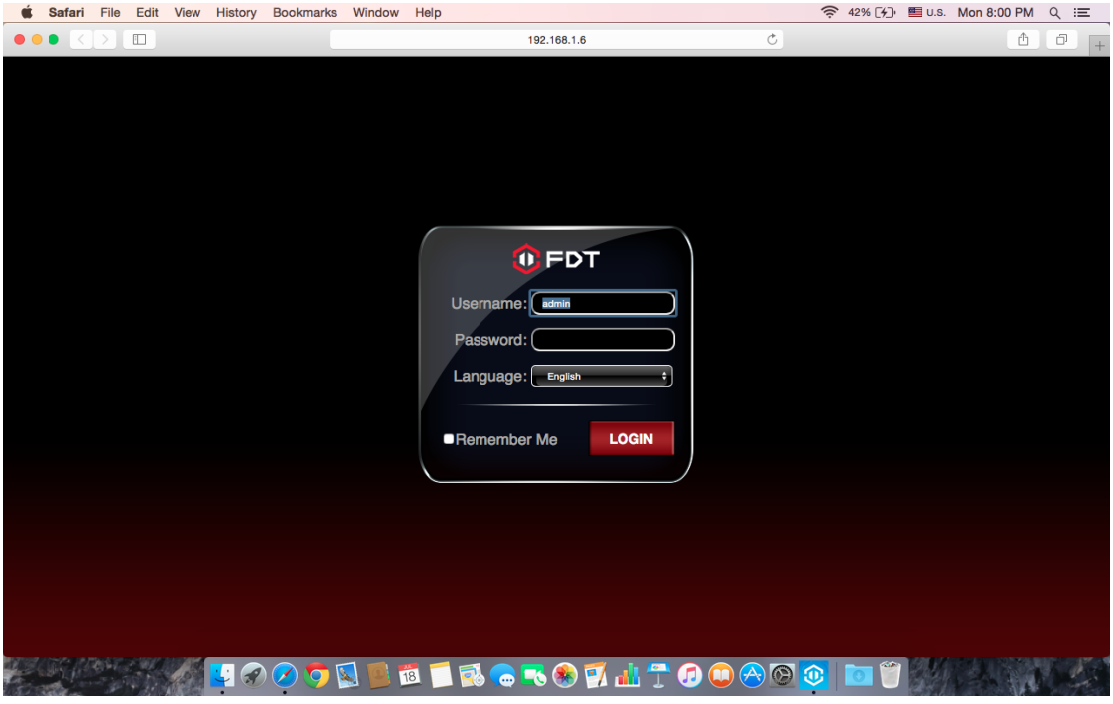
You can find the "**FDT Mac SearchTool.zip**" for Mac OS in the included mini CD. Please copy and install it on your Mac computer. Then run the tool named "SearchTool" to search

the FDT camera in your LAN. From the tool, you can get the name, UID, IP address, Mac address, Http port and firmware version of the camera.



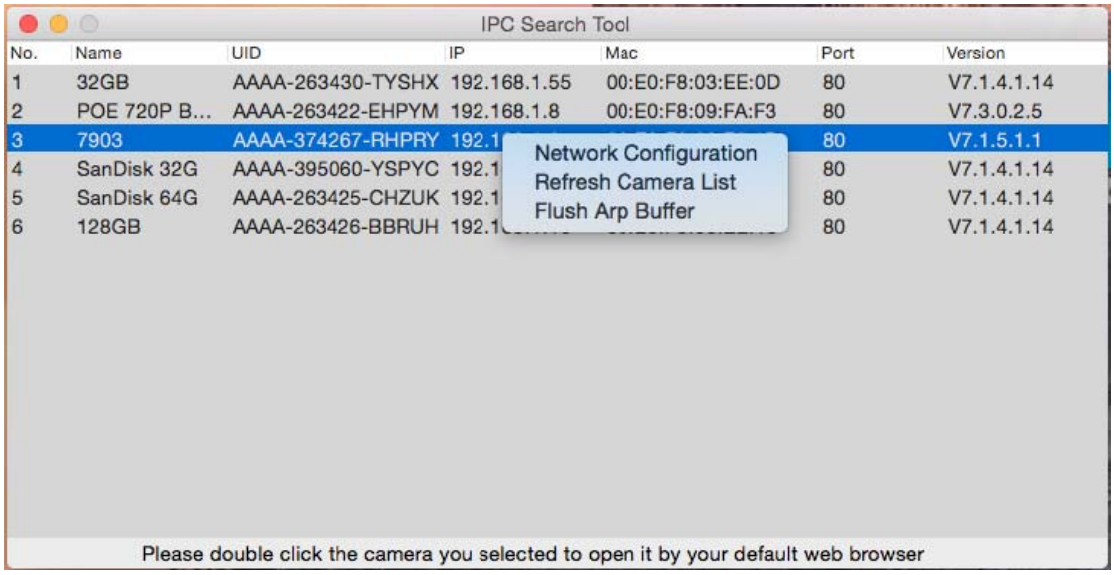


By double left clicking the camera in the searching list, you can open the camera by your default web browser, such as Safari.



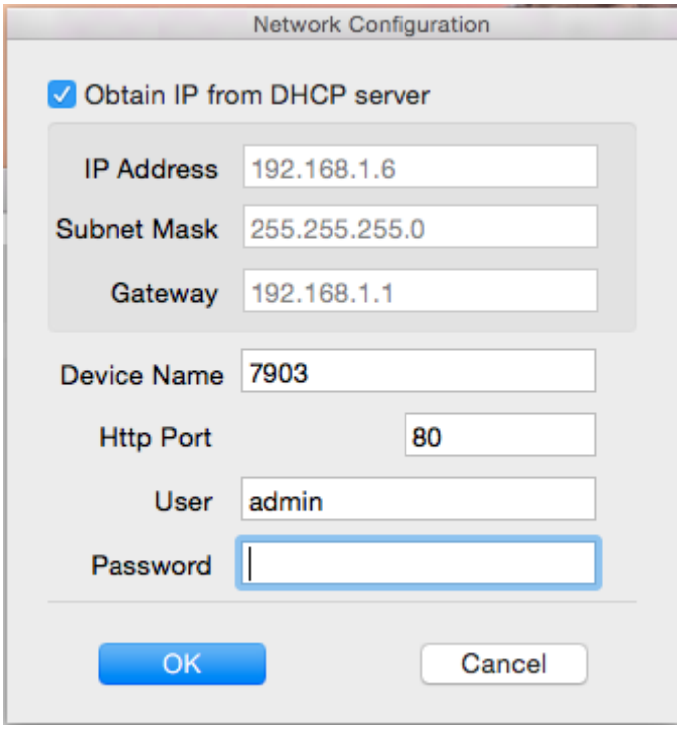
You can find the button “Refresh Camera List” and “Flush Arp Buffer” by right click the search tool or the camera in the searching list, then you can refresh the searching list by

these 2 buttons.



Here is a “Network Configuration” button in the right-clicking button list. From this button, you can modify the IP, Device display name and http port of the FDT camera. Please note:

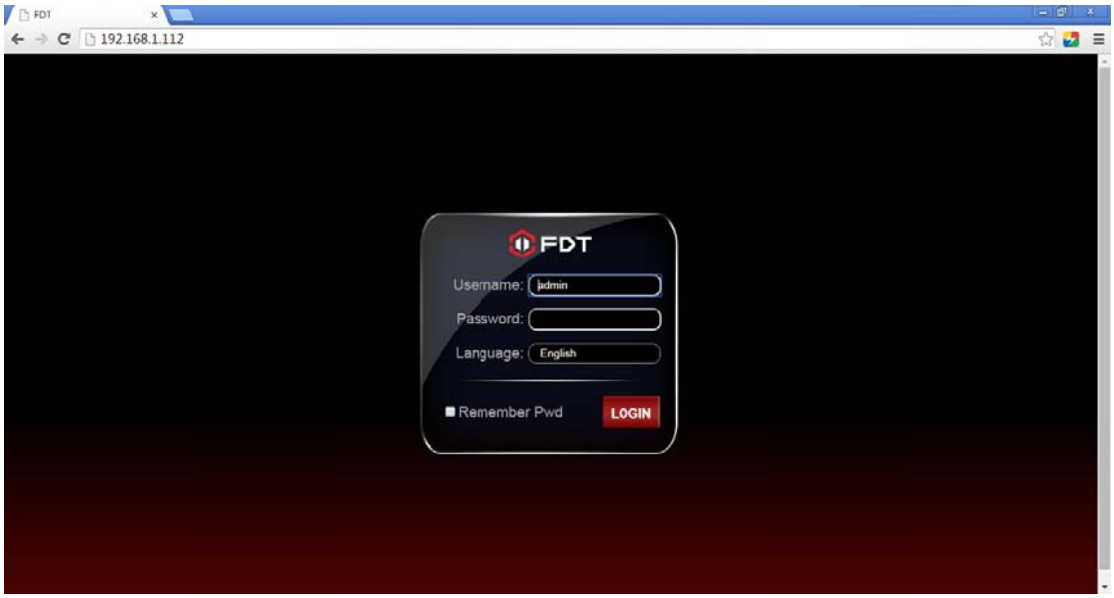
1. The camera will reboot automatically if you modify its http port.
2. Please enter the right username and password of your camera before you modify any network configuration of the camera.



4.2.3 Access by IP address and http port

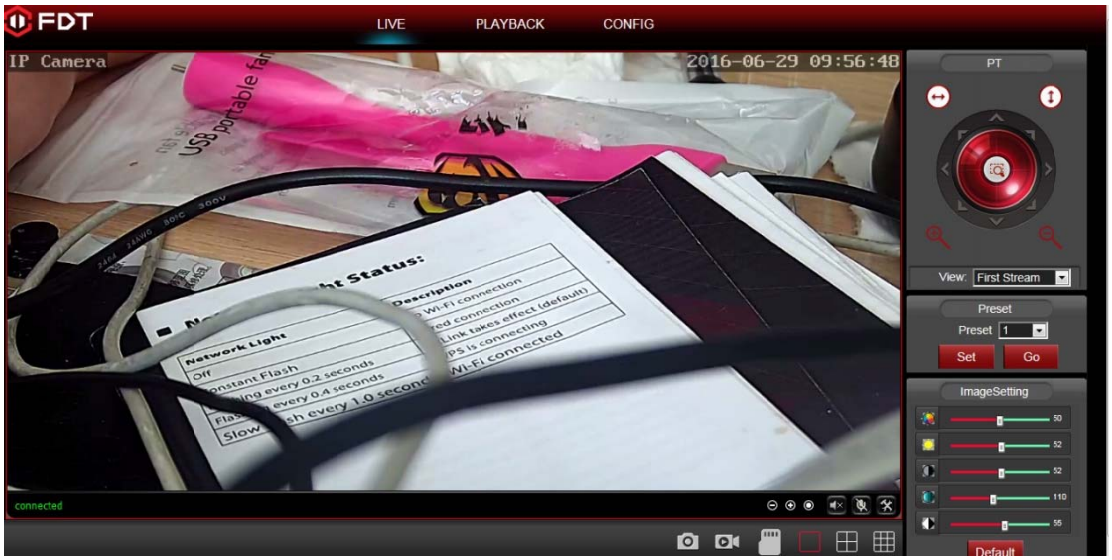
After launching the SearchTool, click the next to skip the welcome page and refresh the searching page to bring up the cameras on your LAN. Then you can double click the camera you selected to login by your default web browser, or you can open the web browser you want first and input the camera’s IP address and http port in the URL address

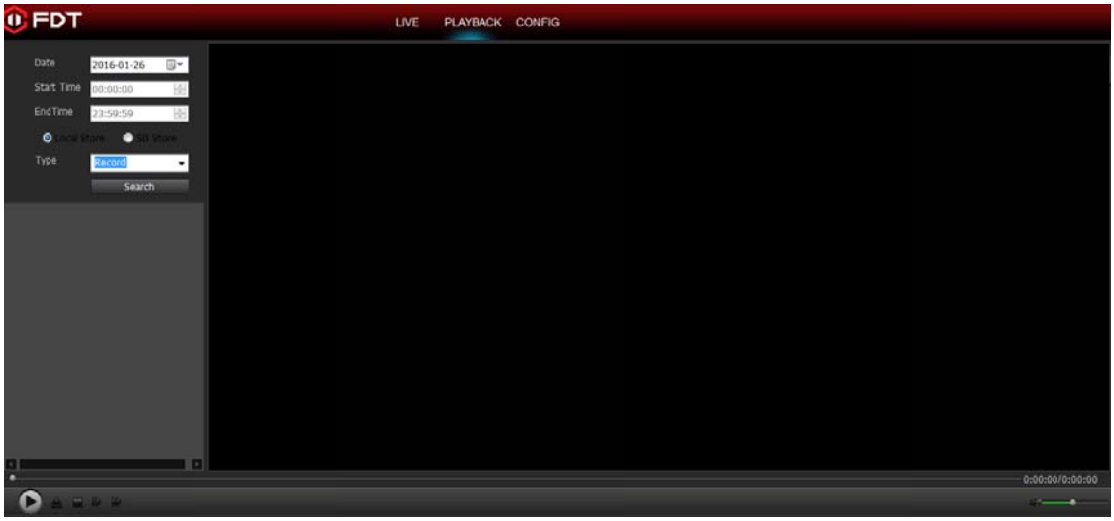
bar of the browser by manual to login your camera. You can access the FDT camera by HTTP protocols as below:
http://LAN IP Address + HTTP Port No. For example: http://192.168.1.108:80.
You can find the LAN IP Address and http port of your camera through the SearchTool. The default port is 80.

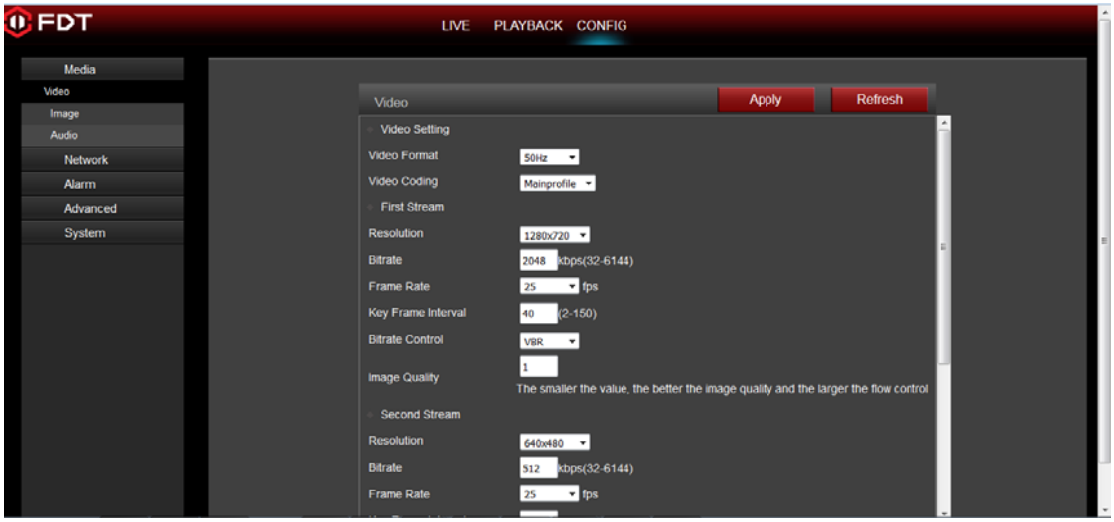


Login to the camera using your correct credentials. If it is your first time logging into the camera by default account after it is reset, you will be forced to change the default password. Please select a password that is at least 8 characters long, and include a combination of uppercase letters, lowercase letters, and numbers.

For the IE/ Mozilla Firefox in Windows, when opening the camera's interface, the browser will prompt you to install a plugin. The plugins are necessary to get camera's video. Click install link to download the plugin, and install it by manually. If the browser prompts you to allow the plugin to work on the computer, hit 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 plugin, the web browser of Chrome/Safari does not support the features of playback, talk, motion-detection and privacy mask.

4.2.4 Remote access

You can access the FDT camera remotely through web browsers by UPnP/DDNS features or Port forwarding.
Go to the CONFIG/DDNS page to enable the UPnP and input the information for third-party DDNS, such as Dyndns.org/3322.org/dynddns.us/No-ip.com. Then you can access the FDT by DDNS remotely.

Go to your router settings page to make the appreciate port forwarding, then you can access your camera remotely through the public IP address and its corresponding port.

4.3 NVR access

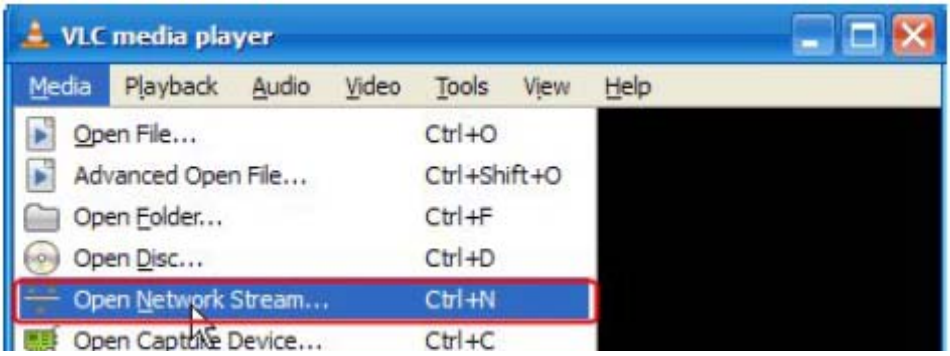
The FDT camera supports connecting to any NVR that ONVIF enabled. This allows the camera to view live, playback and to save recorded data to a network storage device.

4.4 RTSP access

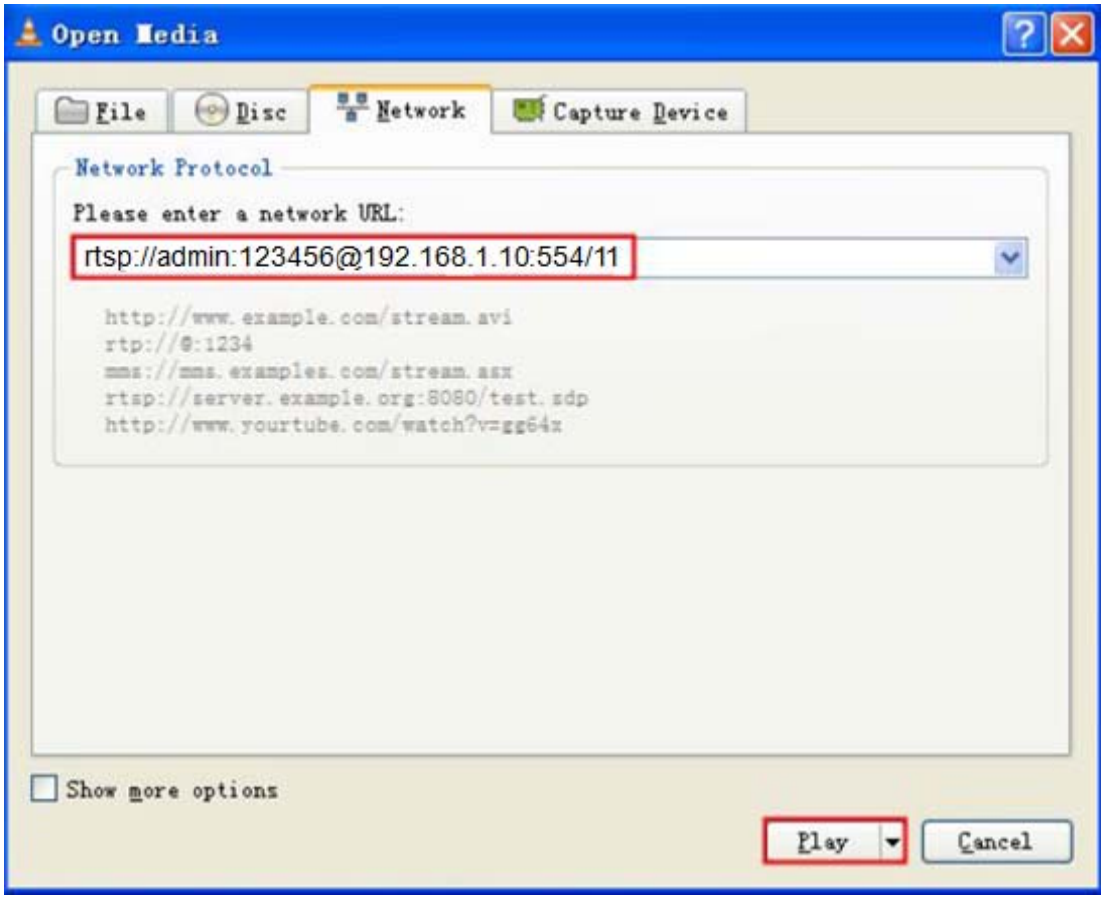
The FDT camera supports the RTSP standard protocol, you can access the video and audio from the camera directly by RTSP player such as VLC. Please make sure you enable the RTSP feature of you camera, you can set this feature in the webUI of the camera through the web browsers, like IE/Firefox/Chrome in Windows OS computer, and Safari or Chrome in Mac OS computer.

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 rtsp stream by VLC player:
1) Open the VLC player and go to “Media”/”Open Network Stream”;



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



3) You may need to go through the rtsp authentication if you did not input the username/password in your RTSP RUL.

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

Note: you can also view the video remotely by the rtsp stream if you have the right DDNS or port mapping or forwarding.

5 App for Mobile Device

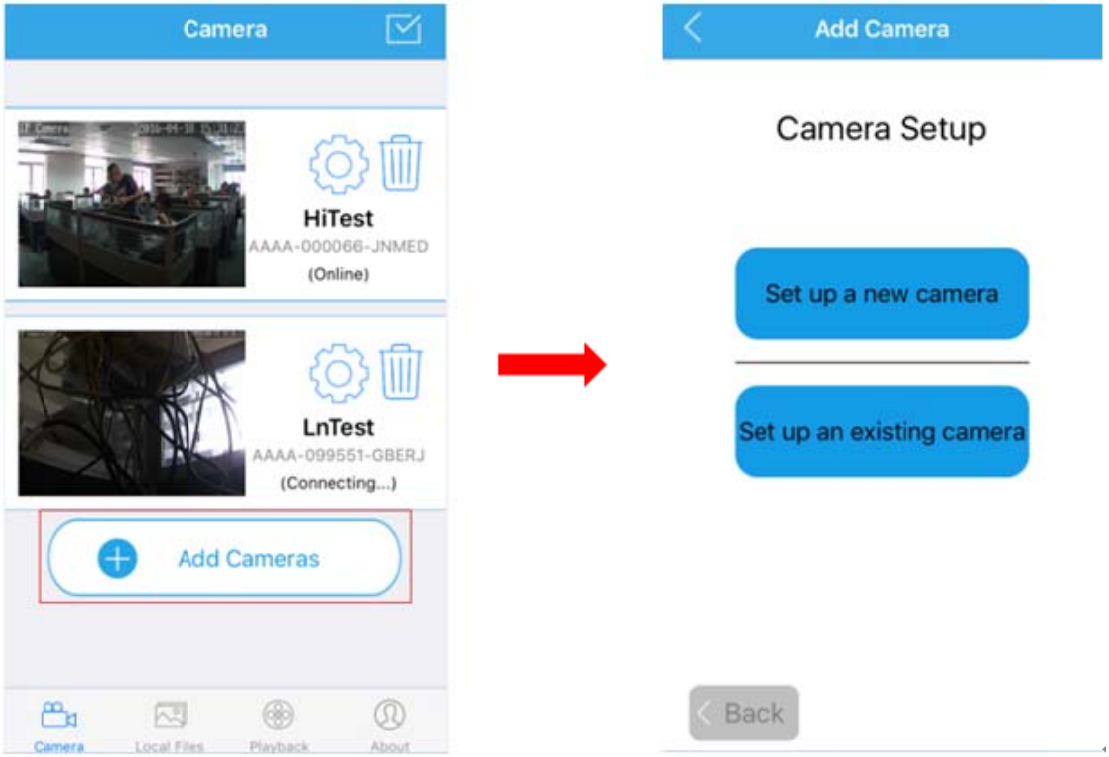
To access your device from a smart phone or tablet, please download and install **FDT View**. For iPhone and iPad users, please visit the App store to download the App. For Android user, please install the APP from the Google Play, or **http://fdt.us.**

Note: For purposes of this guide, we will use iOS, though both apps have the same interface. The App Interface may differ slightly from the screenshots below as updates are released.

Note: If you have a dual band router, and your camera is not connecting to your WiFi network, please make sure you did not connect the FDT camera by 5G. It support 2.4G only.

5.1 Add Camera

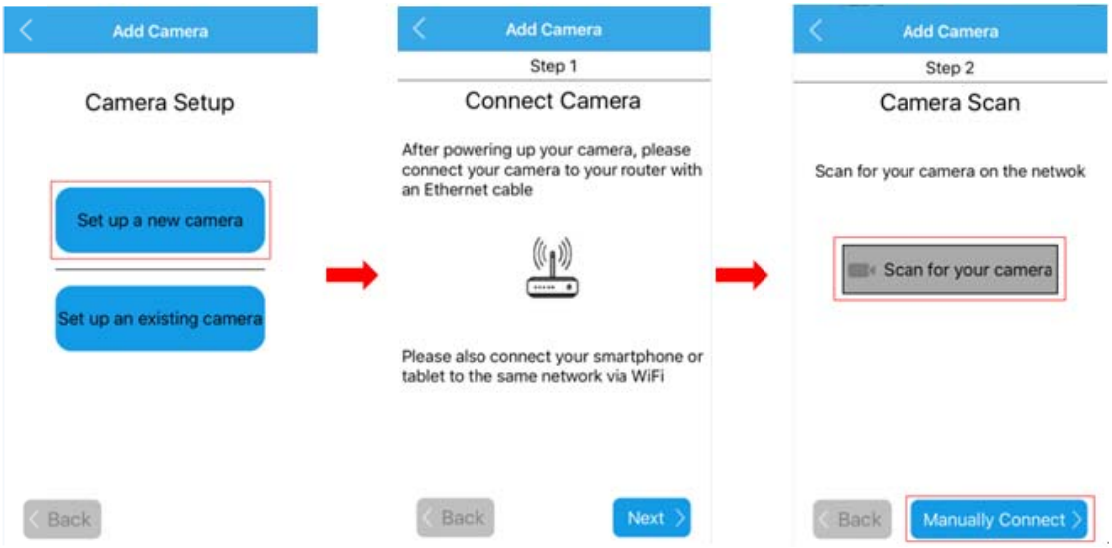
You can go to the camera list page to find a "+ Add Camera" to add cameras into your App.There are 2 methods to add camera. The first one is "Set up a new camera", it is used to add camera which is just reset to factory setting or you just get the camera from the package. You can change the initial password of the camera and set wifi settings to your camera through this method. It is usually used for the first time you want to setup this camera. The second one is "Set up an existing camera", it means to add the camera you set up before, for example you have already set up your camera in another smartphone or web. For the second method, you can search and add the camera directly, no need to change the password or set the wifi configuration.



5.1.1 Set up a new camera.

If you are the first time to set up the FDT camera, or your just reset your FDT camera. Please click the button "Set up a new camera" to add it into your smartphone or tablet.

Please powered up your camera first, and connect your camera to your router with an Ethernet cable. After you connect your smartphone or tablet to the same local network via wifi, then you can go to add your camera into the App by scanning the camera in the LAN or by inputting its UID by manual. We do recommend you to scan and add the camera in your local network, so you do not need to input the UID which is a long identifie and hard to remember.



1. Scan for your camera

Once you chosen to add the camera by scanning, you can follow the NEXTor text instructions to complete the process of adding camera.Here are the screenshots to show how to add the camera by scanning.

-Select the camera you want to set up from the camera list you get by scanning.

-Give your camera a name, and input right username and password to access it. The default username is admin, the default password is admin too.

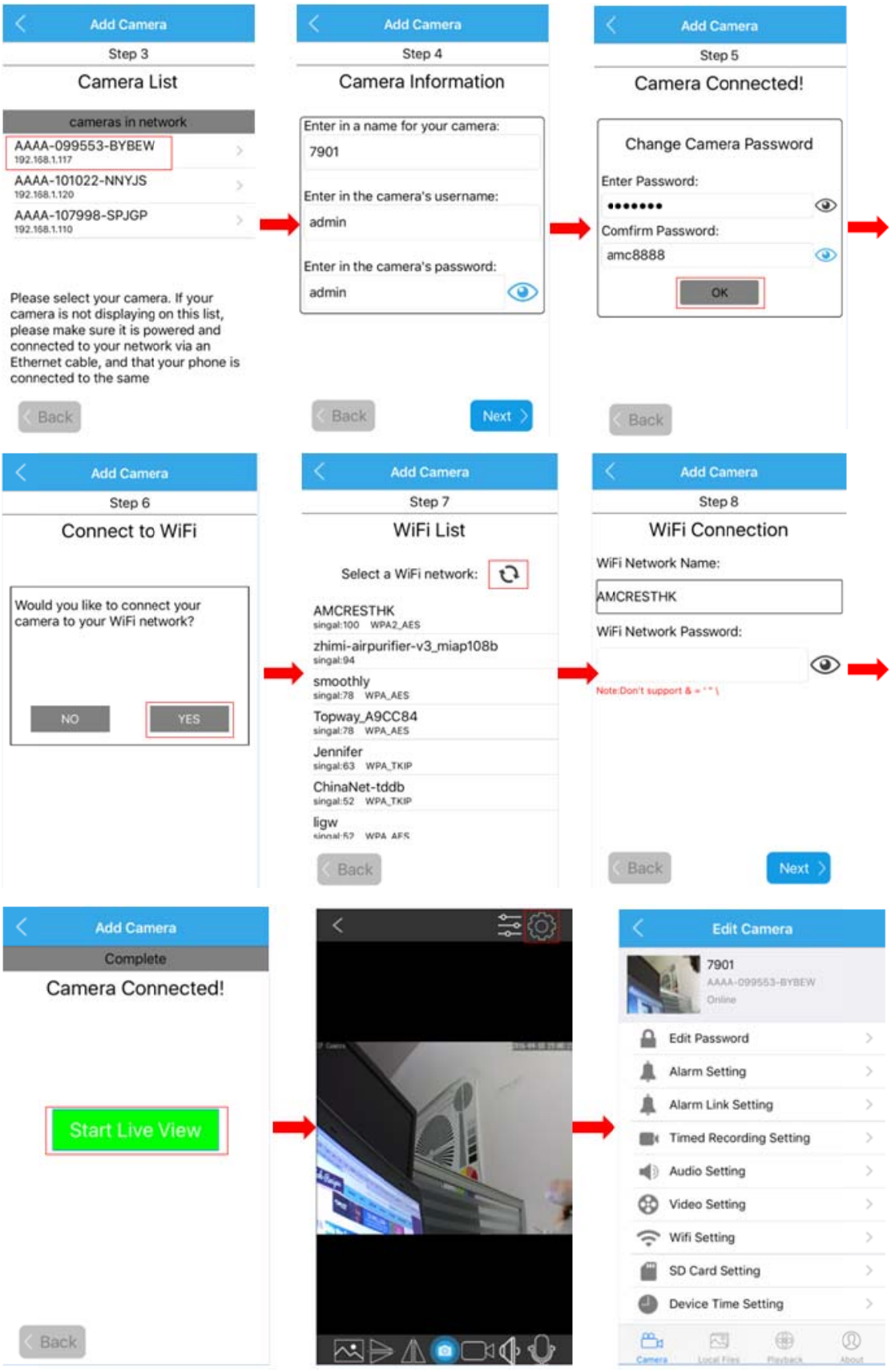
-Change the initial admin/admin username/password for the consideration of account security. Give your camera a private username and password that known only by you, and keep it secret.

-If you want to configure the wifi in this set up process, you can choose YES to connect to your wifi, or you can choose NO to start the live view directly. You can also configure your wifi in the wifi setting page after you added the camera into your App if you do not want to configure it in this step.

-Please click the refresh icon to search the wifi AP list again if you did not find the wifi SSID you want.

-Please input the right password of your wifi, and click next to set it into your camera.

-Then you can start live view of your camera and complete this set up process, and you can access and control your camera now.



2. Manually connect

Once you chosen to add the camera by manual, you can follow the NEXT or text instructions to complete the adding of camera. Here are the screenshots to show you this

process.

-Enter in your camera's UID first, you can find it on the sticker of your camera's bottom or side. Give your camera a name, and input right username and password to access it. The default username is admin, the default password is admin too.

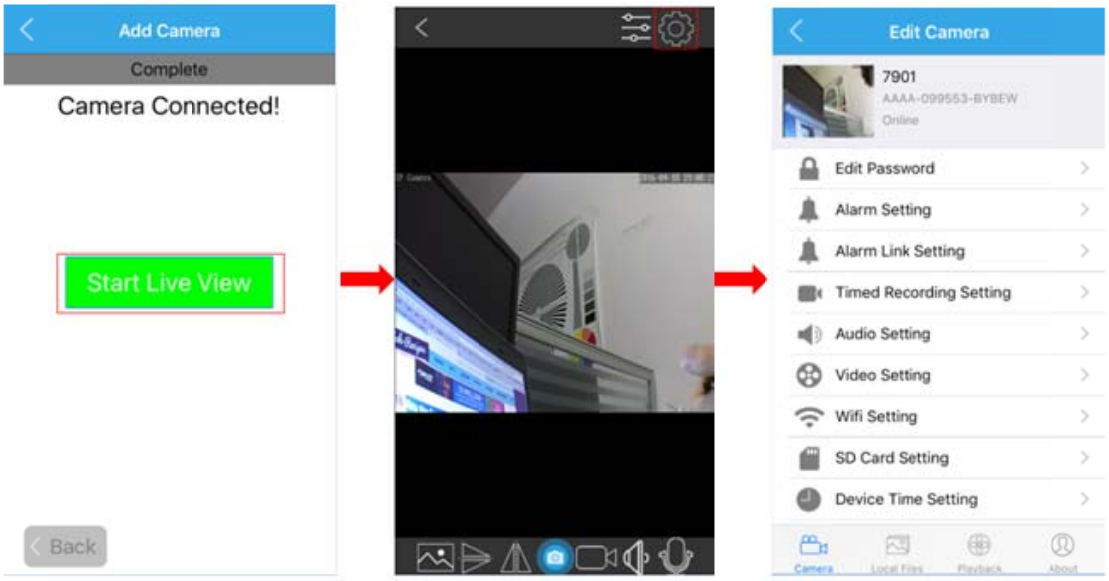
-Change the initial admin/admin username/password for the consideration of account security. Give your camera a private username and password that known only by you, and keep it secret.

-If you want to configure the wifi in this set up process, you can choose YES to connect to your wifi, or you can choose NO to start the live view directly. You can also configure your wifi in the wifi setting page after you added the camera into your App if you do not want to configure it in this step.

-Please click the refresh icon to search the wifi AP list again if you did not find the wifiSSID you want.

-Please input the right password of your wifi, and click next to set it into your camera.

-Then you can start live view of your camera and complete this set up process, and you can access and control your camera now.



5.1.2 Set up an existing camera.

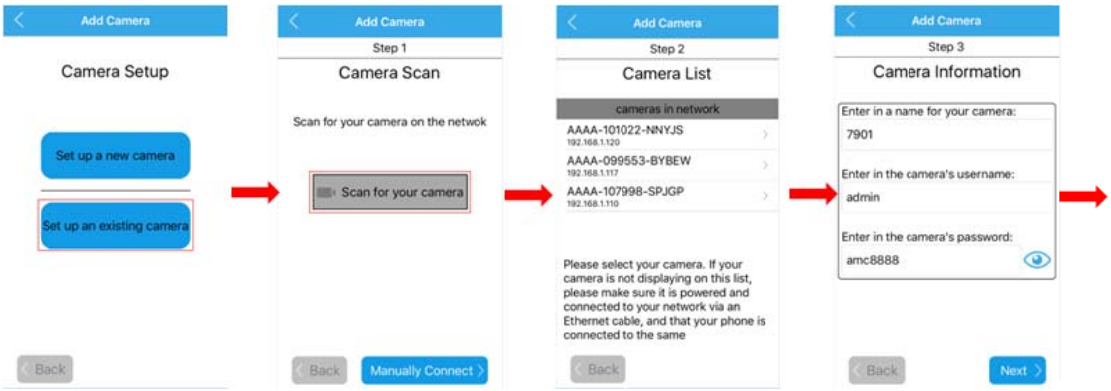
For the FDT camera you have set up before, you can click the button "**Set up an existing camera**" to add it into your smartphone or tablet. There are also 2 ways to add it, by scanning or by manual. We do recommend you to scan and add the camera in your local network area, so you do not need to input the UID which is a long identifie and hard to remember.

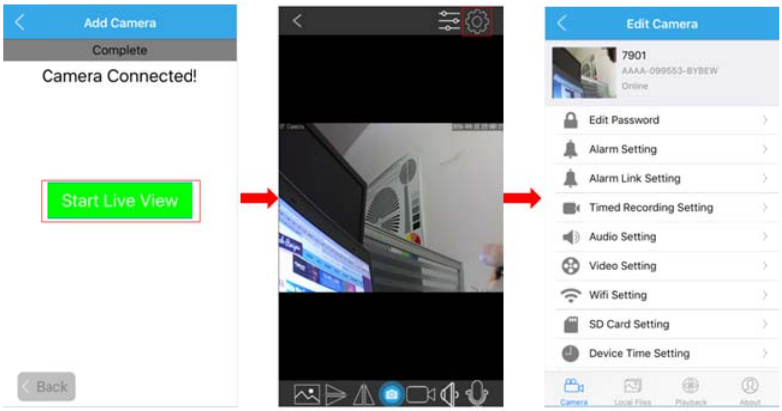
1. Scan for your camera

-After click the scanning button to search the FDT camera in your local network area, you can get a camera list. Please select the camera you want to set up.

-Give you camera a name, and enter in its right username and password.

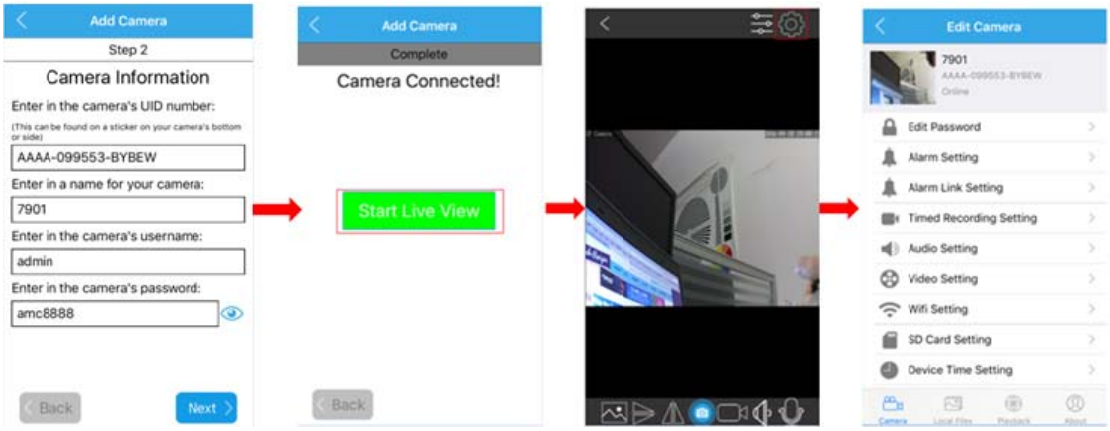
-Then you can start the live view and go to the setting page to access or control it.





2. Manually connect

If you want to add this existing camera to your smartphone or table by manual, please click the button “Manually Connect”. Enter in your camera’s UID, username and password, you can also give it a new name you like. Then you can start the live view and go to the setting page to access and control your camera.



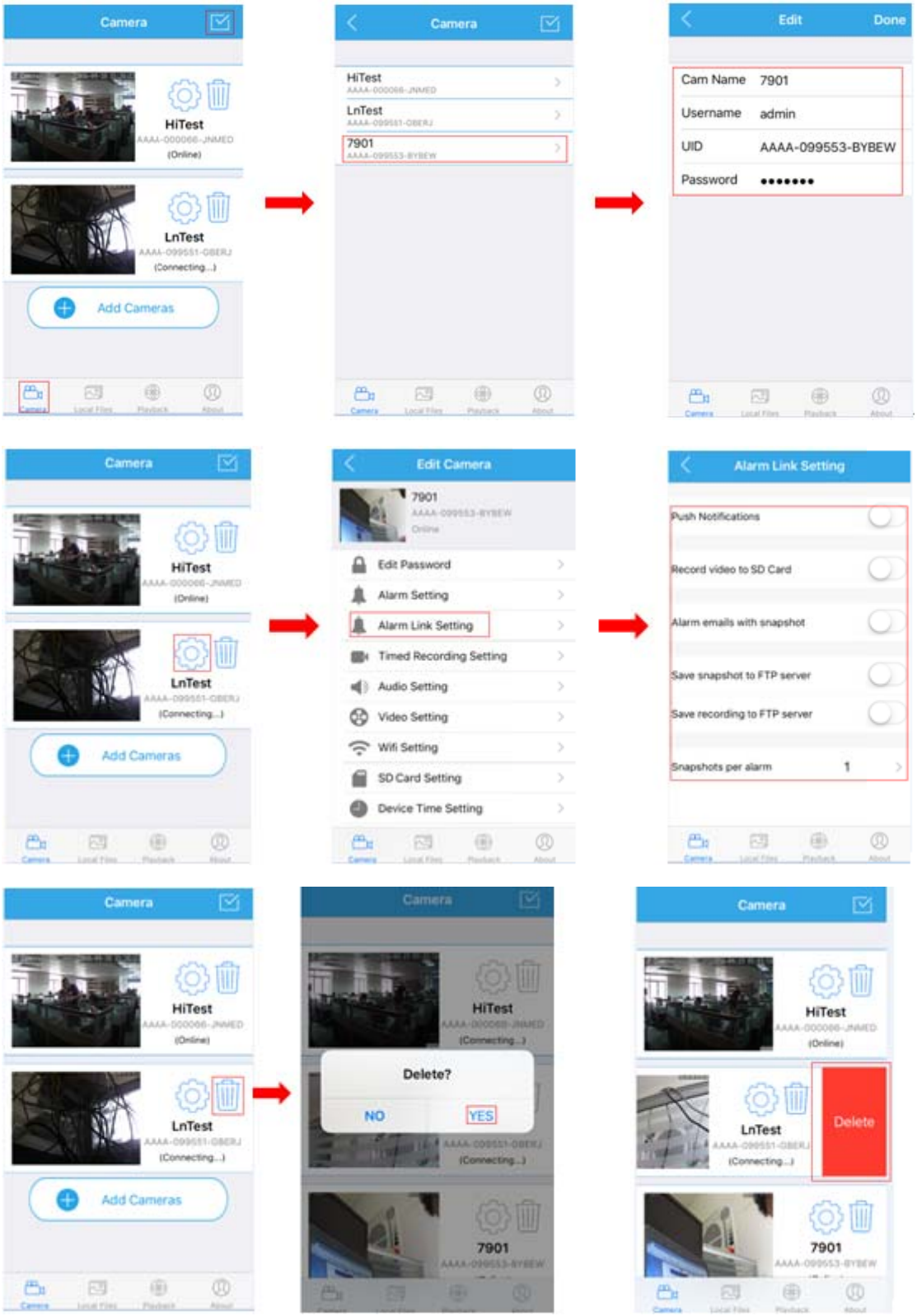
5.2 Camera list page

You can go to the camera page to check what cameras you have added. Here are a camera list, and you can also delete or edit the login information for the camera.

-Click the edit icon to edit the camera login information. For example, you can change the camera’s name in your smartphone or modify the camera’s username and password if you could not login your camera, even the UID.

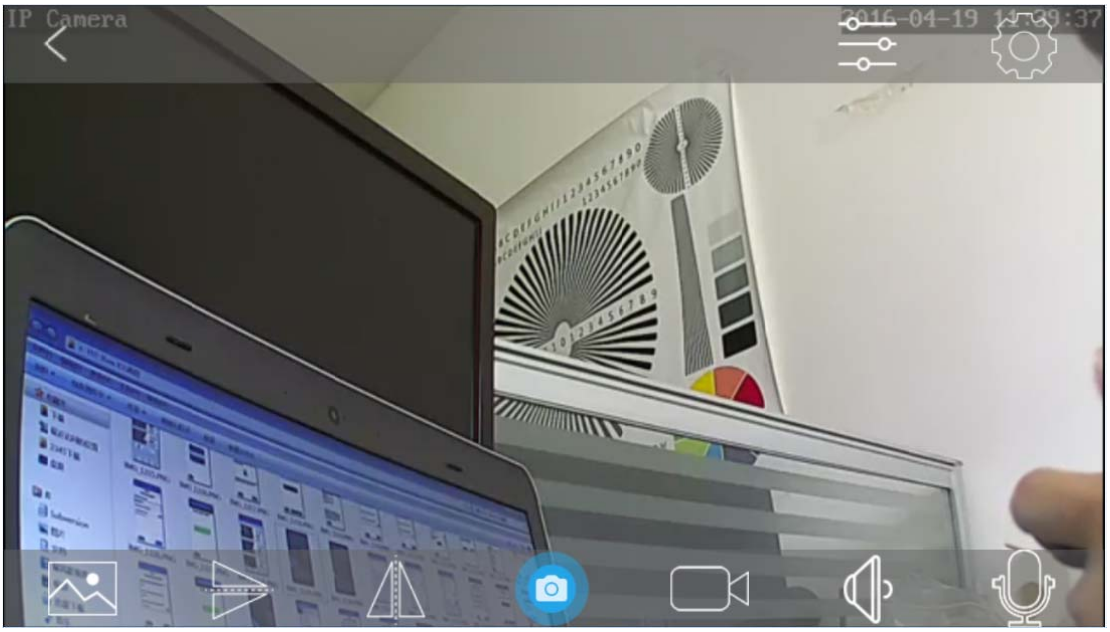
-Click the tooling icon to enter the setting page, then you can edit all your camera’s settings, include Edit Password, Alarm Setting, Alarm Link Setting, Timed Recording Setting, Audio Setting, Video Setting, Wifi Setting, SD Card Setting, Device Time Setting, Email Setting, FTP Setting, System Setting and Device Information. All of these settings will be explained in detail in next chapter.

-Click the trash icon to delete the camera you want. You can also delete the camera you want by sliding the camera from right to left, then you can find a Delete button to delete this camera.



5.3 Liveview page

After add the camera successfully, you can preview the video of your camera and set the configurations you want. This section will show you what the icons can do in the liveview page of the FDT View.



-The **resolution** (HD/SD or High/Low)

The HD standards for the first/main stream of the camera, it is 720P as default. The SD means second/sub stream of the camera, it is VGA as default. You can also change the default settings as you want in the setting pages.

-**Flip** the Viewo;

-**Mirror** the Video;

-**Snap picture** from the video and save it to your phone;

-**Record video** by manual from the video and save it to your phone;

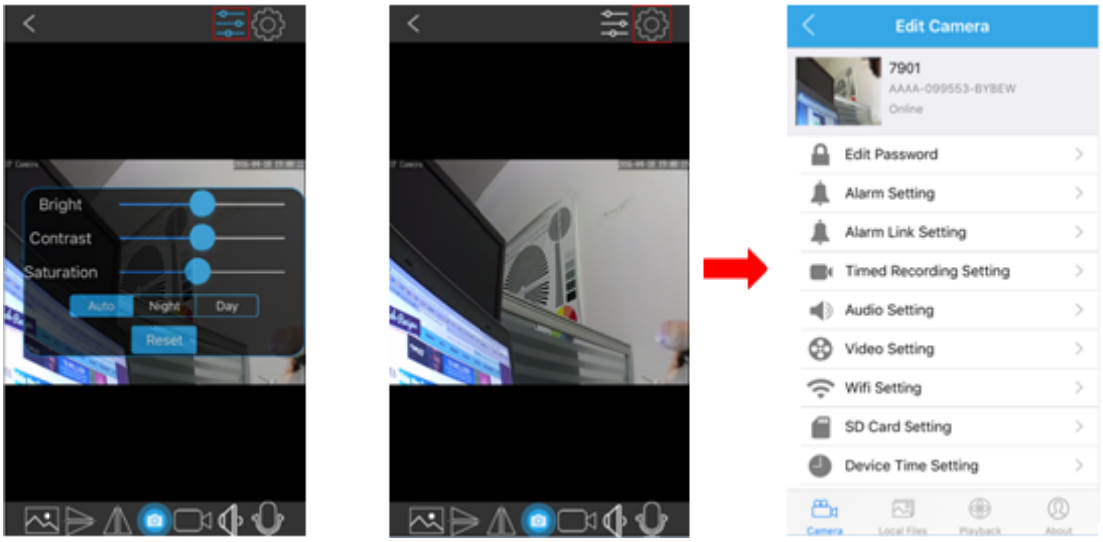
-**Audio** from the camera;

-**Talking** to the camera;By press and holding this icon, you can hear the voice from the camera or the audio out port by connecting an earphone.

-Set the **video parameters** of your camera, such as bright/contrast/saturation. And control the **LED status** of your camera by the icons of the model, such as auto/night vision/day vision.

-**Exit**, you can go back to the device list page by click the back icon.

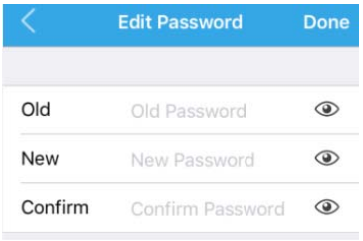
-**Settings** page, you can go to the settings page by click the icon of settings.



5.4 Settings pages

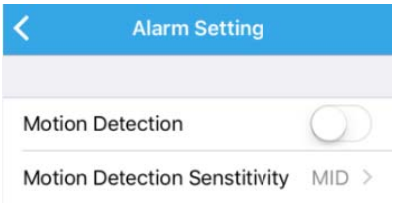
5.4.1 Edit Password

You can change the password of the FDT camera in this page.



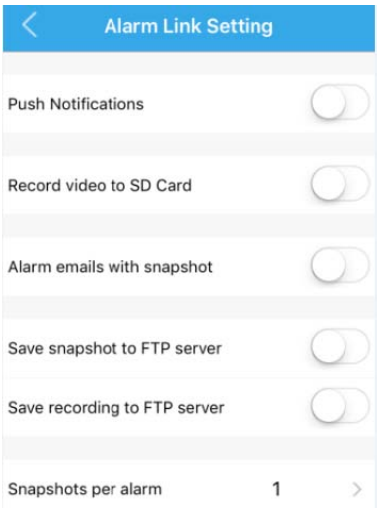
5.4.2 Alarm Settings

You can set the configuration about motion-detection alarm of the camera in this page, such as enable or disable the alarm, set the sensitivity of the motion-detection like low/medium/high.



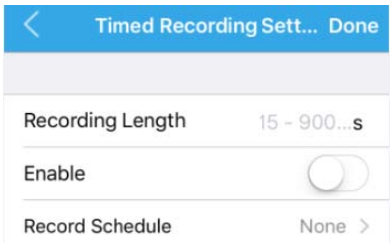
5.4.3 Alarm link settings

You can enable the linked actions once the alarm is triggered in this page, include the Push Notifications to your smartphone, record video to the SD Card, alarm emails with snapshot, save snapshot or recording to FTP server, and the count for the snapshot.



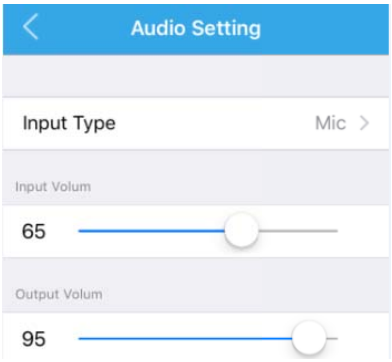
5.4.4 Timed recording settings

You can set the scheduled recording settings in this page, include the recording length.



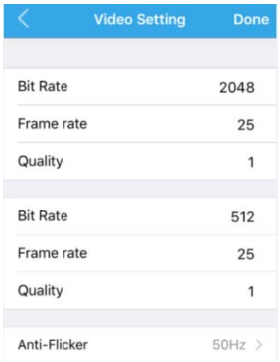
5.4.5 Audio settings

You can set the configurations for audio in this page.



5.4.6 Video settings

You can set the configuration about video encoding for the first/second stream in this page, like bitrate/frame rate and video quality. The top on is for first stream, the second one is for second stream.

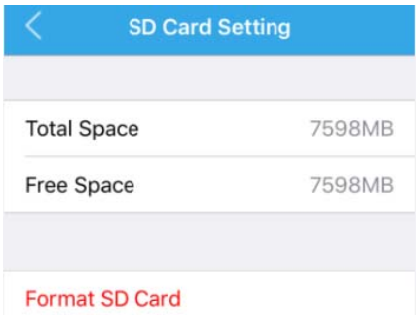


5.4.7 Wifi settings

You can search the wifi in the LAN and set it to your camera in this page.

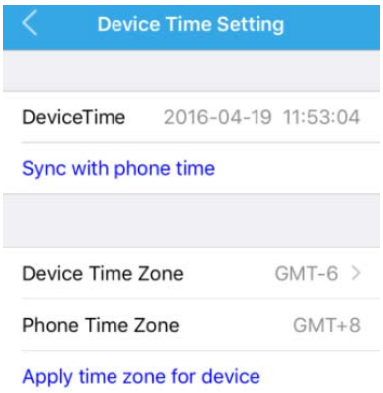
5.4.8 SD Card settings

You can get the space information about the SD Card in your camera and format it in this page.



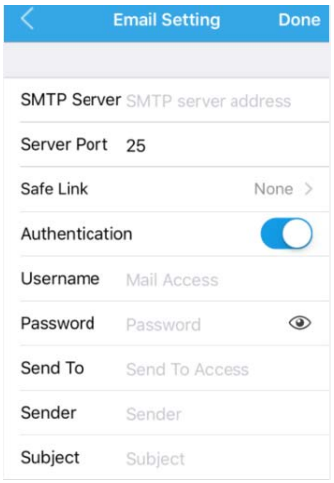
5.4.9 Device time settings

You can set the time of your camera to sync it with your smartphone in this page.



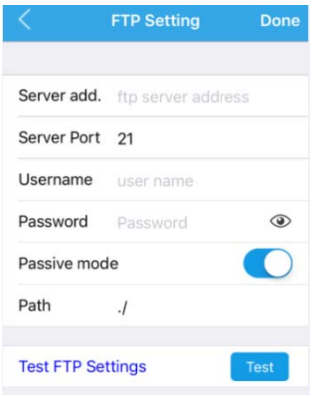
5.4.10 Email settings

You can set the email information in this page to enable the email alarm actions. Here is a test button for you to check the connection of the email settings, please save your settings and test it before you complete the email settings to make sure your email setting will work successfully.



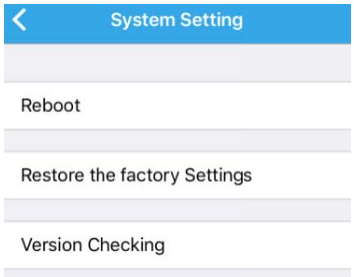
5.4.11 FTP settings

You can set the FTP account information for the video recording or alarm linked actions in this page.



5.4.12 System settings

You can reboot, restore the camera in this page. And there is an icon “Version checking” for you to check the latest firmware for the camera and upgrade it online.

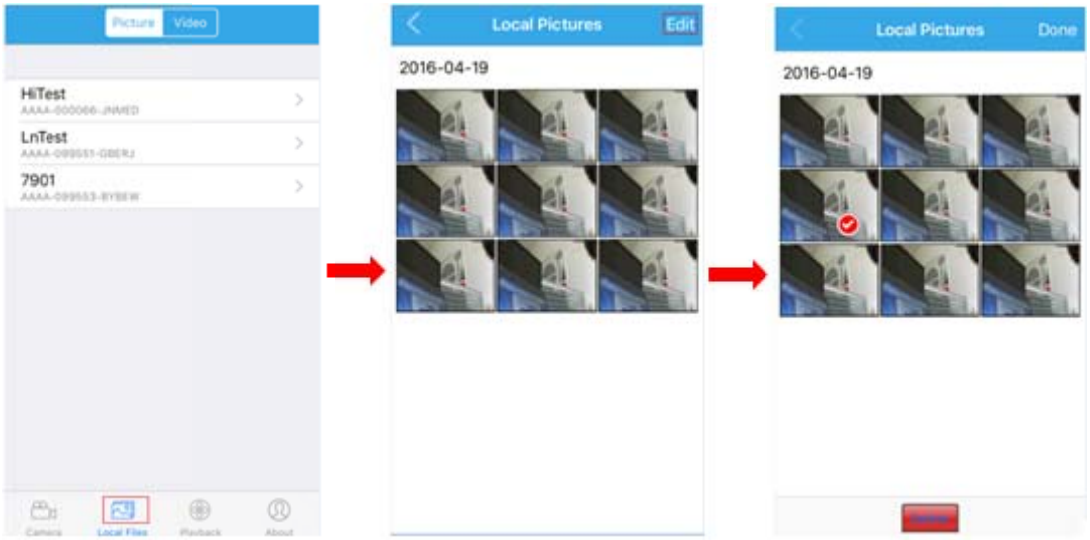


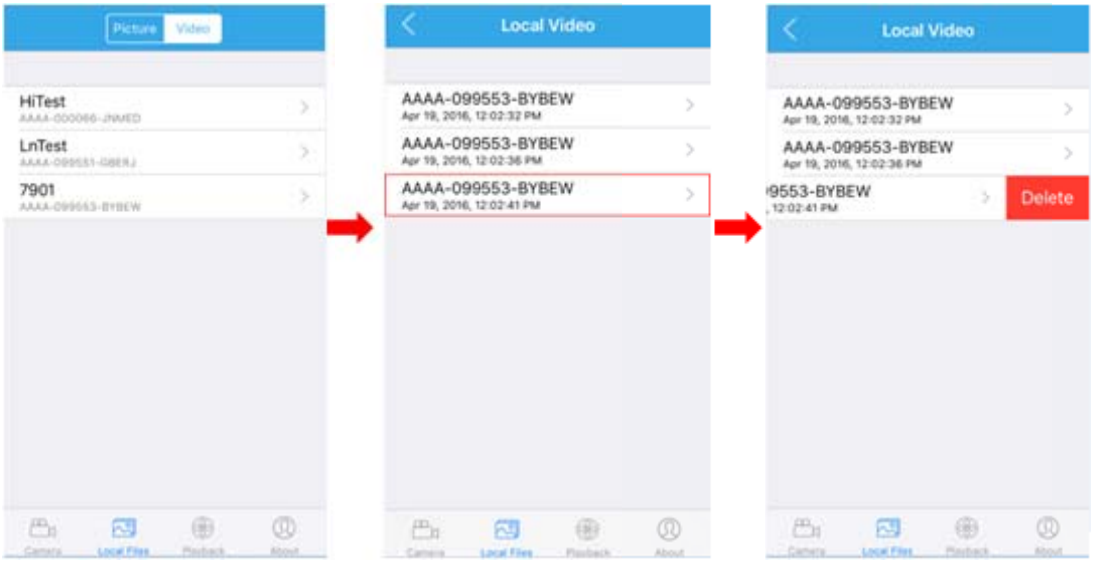
5.4.13 Device information

You can obtain the information about the camera in this page.

5.5 Local files page

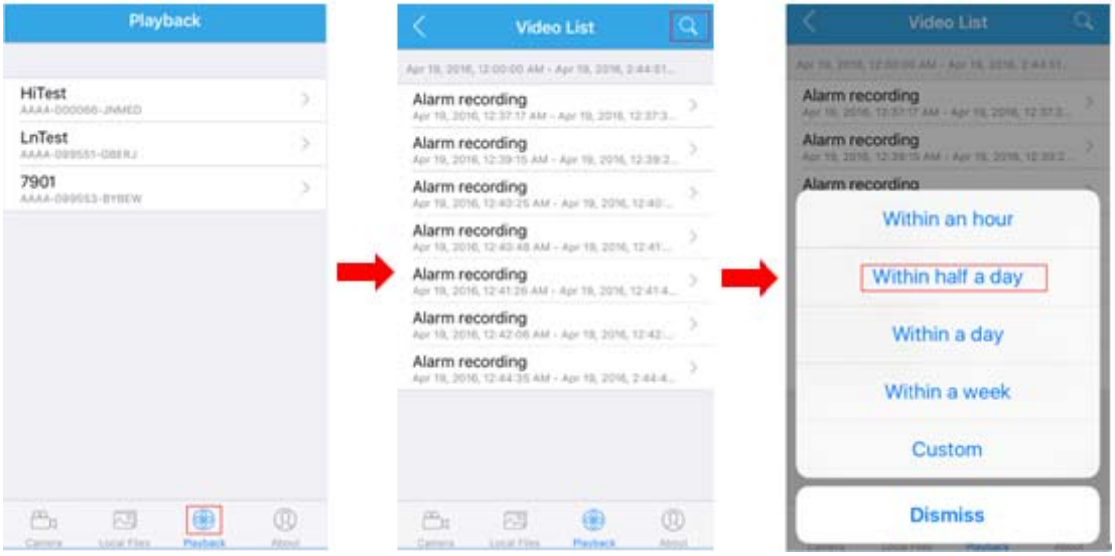
You can browse the pictures and videos saved in your smart phone in this page by clicking the chosen file. And you can delete these files if you want.For the video file you can delete by sliding the file you choosing from right to left.





5.6 Playback page

You can browse the recording stored in the SD Card of the camera in the playback page and playback it remotely by click the video file from the list. And you can also filter the files by assigning an exact recording time.



6 Web User Interface for operation

Here details the FDT camera's user interface for web browser, as well as all of the operations the camera can perform, including the Login, LIVE, PLAYBACK and CONFIG pages.

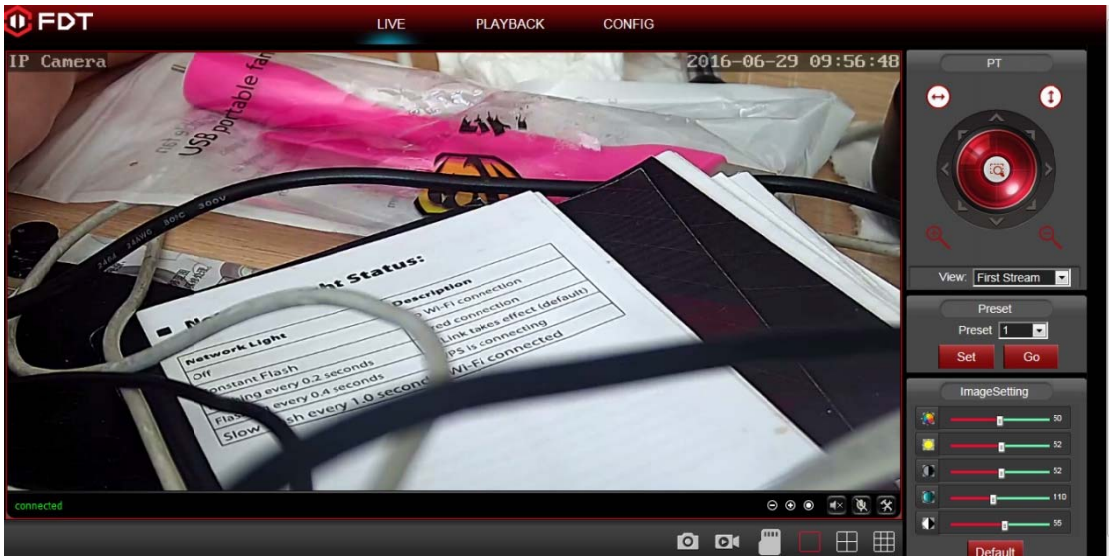
6.1 Login page

Username and Password: It is the account of your camera, the default username is "admin", the default password is "admin" too. Please change the password the first time you use to prevent unauthorized users login the camera.

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

Note: When setting up your camera for the first time, it will request you modify the default password, please input the new password and confirm it. Then you can access your camera by the new password in the future once you saved your settings.

6.2 Live page



6.2.1 OSD

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

6.2.2 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

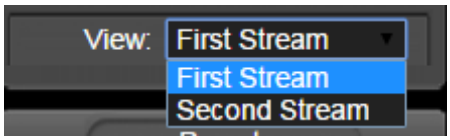
: Cruise for horizontal, from up to down.

: Cruise for vertical, from left to right.

: Zoomin.

: Zoomout.

6.2.3 View



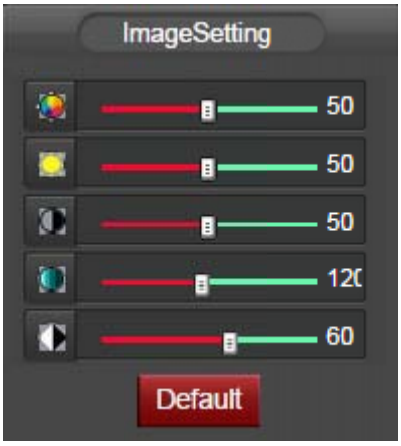
First Stream: the main stream, default is 720P-1280x720.
Second Stream: the sub stream, default is VGA-640x480.

6.2.4Preset

The FDT camera can support max 8 preset positions, from 1 to 8. You can click the “Set”

button to save one preset point named by number 1-8, and click the “Go” button to let the Pan/Tilt go to the preset you saved before.

6.2.5 ImageSettings



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

: Hue.

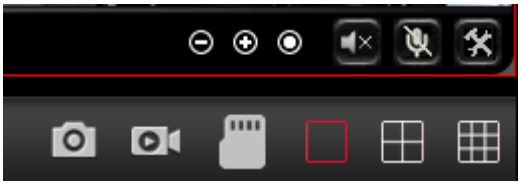
: Brightness.

: Contrast.

: Saturation.

: Sharpness.

6.2.6 Tool bar



: Zoom in/Zoom out/Back to original size, 1x/1.5x/2x/3x.

: Open/Close the audio.

(Only for IE/Firefox browser in windows): Enable/Disable the talking.

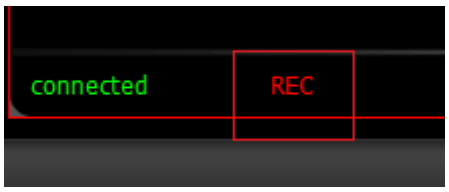
(Only for IE/Firefox browser in windows): Set the storage path to save the picture captured by manual through the web browser, or save the video recorded by manual through the web browser. It will pop up a folder browser windows for you to select the

folder path in your computer.

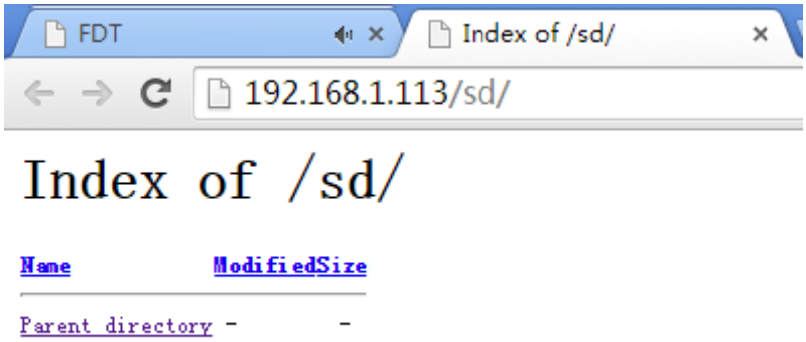
Note: If your windows OS is windows 10, please run the web browser as administrator, or it will forbit you to generate the folder in your computer, then you will be failed to snap pictures or record video through the web browser.

(Only for IE/Firefox browser in windows): Capture pictures by manual.

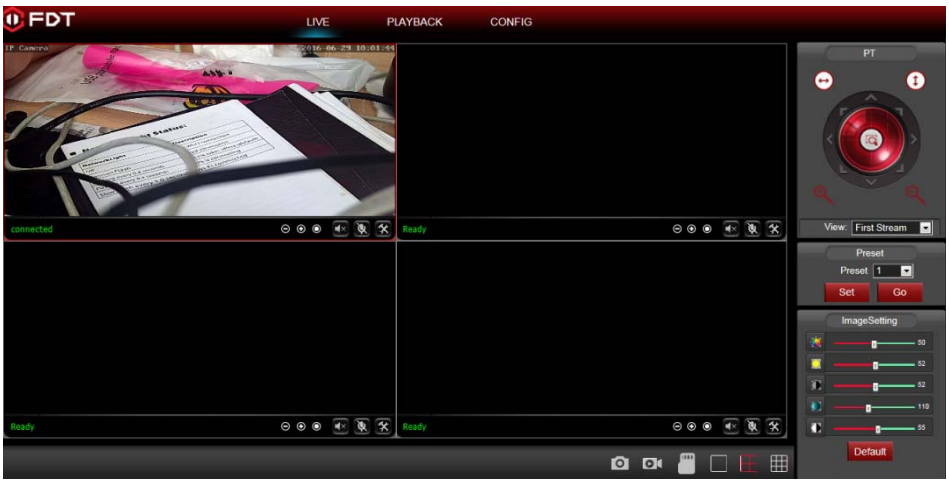
(Only for IE/Firefox browser in windows): Record video by manual. There will show you a red “REC” icon if you enable the manual recording.



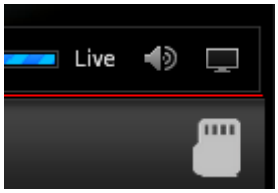
: This icon is for you to browser the content of the SD card in your camera, such as pictures or video recordings. You need to go through the authentication of the username/password of your camera to browser your SD card in the camera. You can also edit the contents in your SD card like delete files or download files through this icon.



(Only for IE browser in windows): These icons are used to show you multiple-devices in your local network at the same time. If you have multi FDT cameras, you add them to the multiple-device page, then you can view them all at the same time.



Note: For the Chrome in windows and Chrome/Safari in Mas, there are something limitations for the plugins. They have different tool bar show as below and some features are forbited.



: Open/Close the audio.

: Enable the full screen for the live view video.

6.3 Playback page(Only for IE/Firefox browser in windows)

6.3.1 Search and playback videos

In the playback page, you can browser the videos in your SD card recorded by the motion alarm or schedule or the videos stored in your computer recorded by manual. You can search these videos by date and time, then playback them online.

6.3.2 Tool bar

There is a tool bar in the playback page for you to control your playback as your wish.

: Play or Pause the playback process.

: Open the local file in your computer to playback.

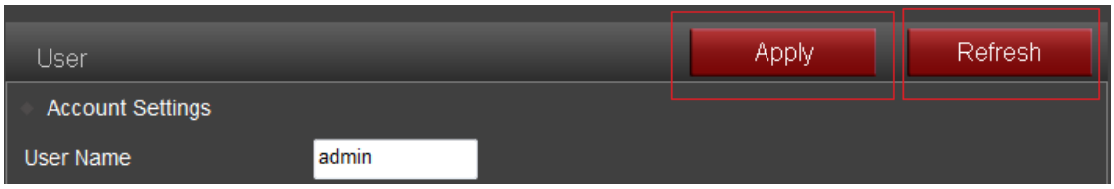
: Stop or close the playback process.

: Playback next frame in the video.

: Adjust the audio volume when you playback the recordings.

6.4 Configuration page

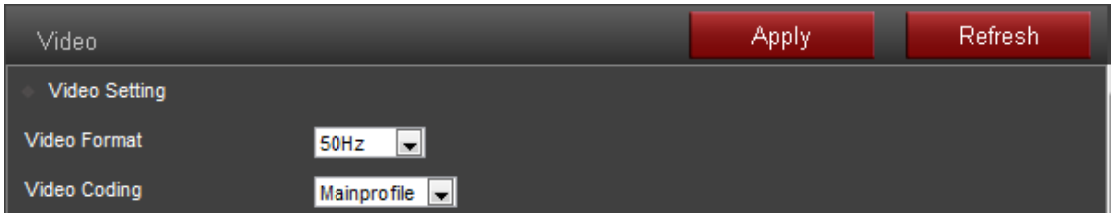
Here you can set configurations for all features of the FDT camera, please click the “Apply” button to save your settings, click the “Refresh” to query or refresh the current configuration in your camera.



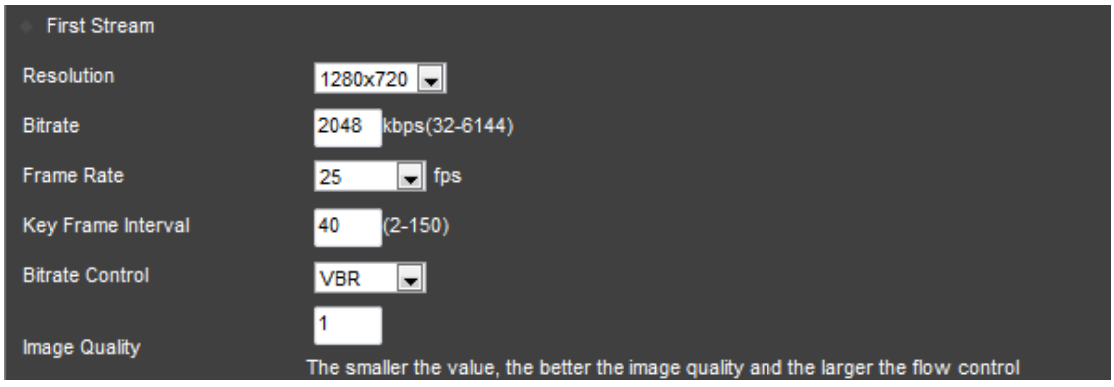
6.4.1 Media settings

1) Video

Here you can set the configurations for power frequency and the encoding profile for H.264. For the power frequency, 50Hz used for the region Europe and China, 60HZ used for the region USA and Cananda.



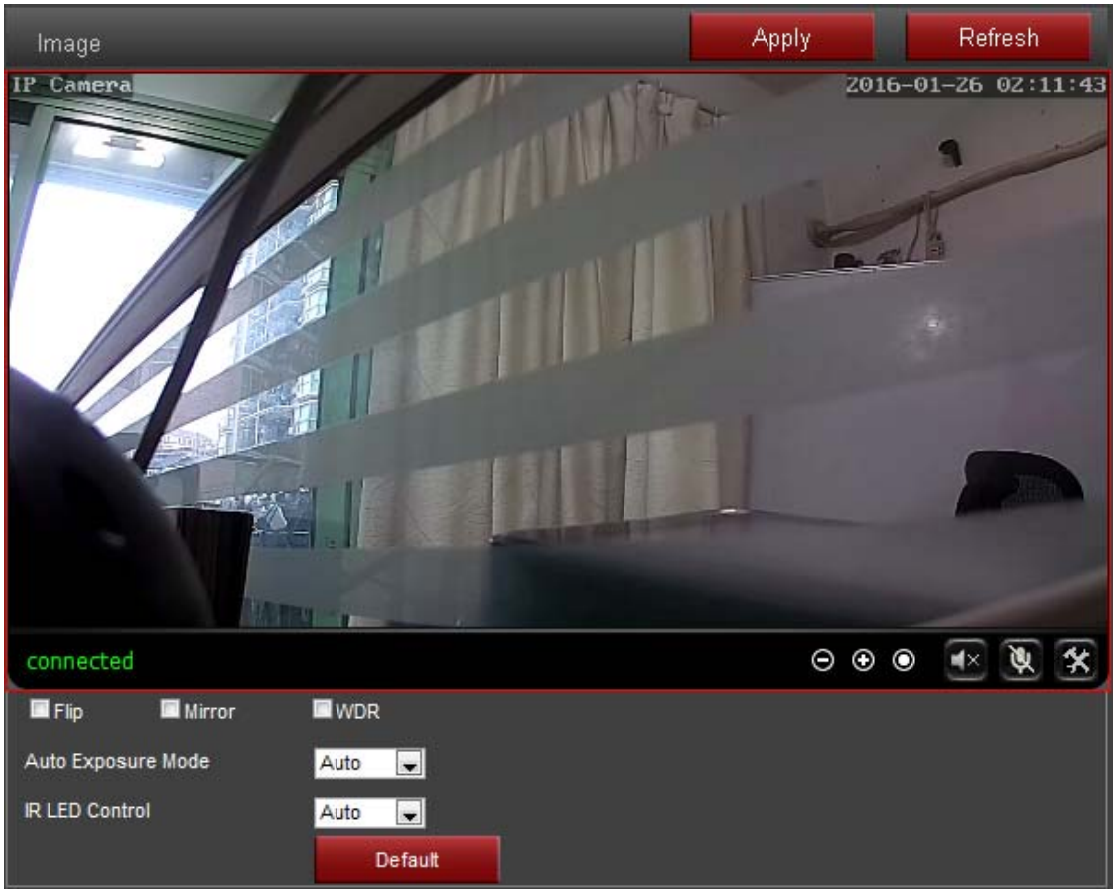
Here you can set the configurations about the stream for both first and second stream in your camera, such as the resolution, bitrate, frame rate, key frame interval, bitrate control and the image quality level.



Here you can enable/diable the OSD for camera time or name, and modify the camera name to one you like.

2) Image

Here you can control the camera video status, such as mirror the video, flip the video, enable/disable the WDR.



Here you can set an appropriate exposure mode for your camera, such as indoor, outdoor or let it change automatically as the change of the working environment.

Here you can control the LED light status:

Enable-Camera works at the night vision status always.

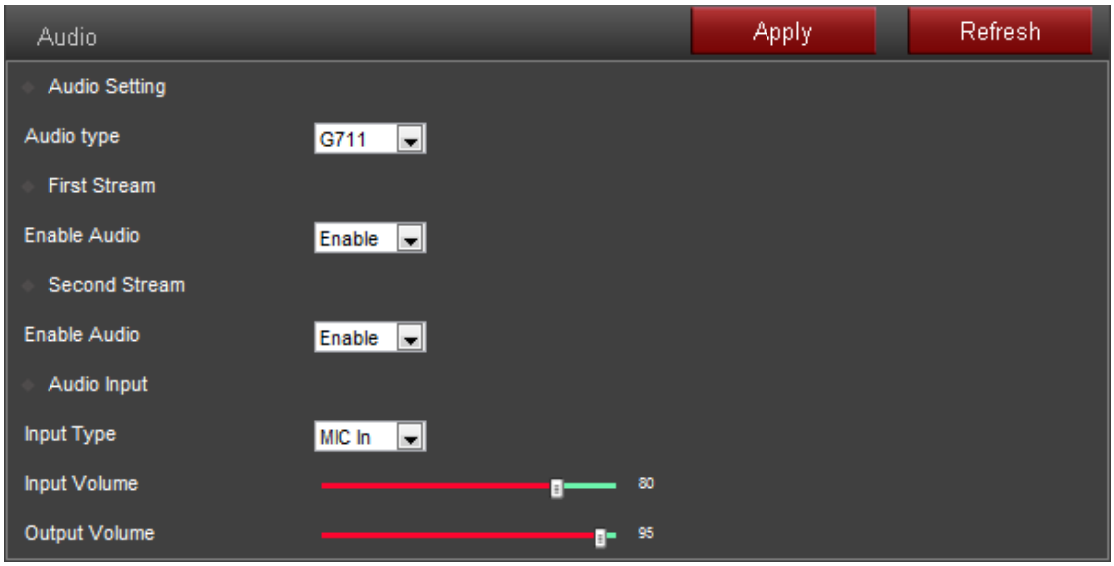
Disable-Camera works at the day vision status always.

Auto-Camera will change between the day and night vision status automatically according the change of the outside light.

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

3) Audio

You can set the configurations about audio in this section, 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.

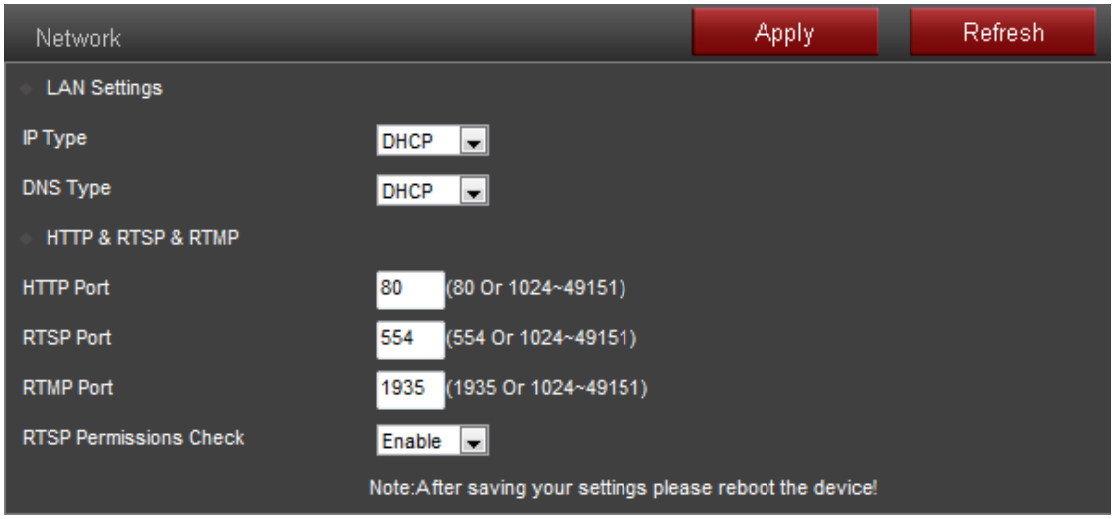


6.4.2 Network

1) Network

Here you can set the IP address information like DHCP or Static and the port for HTTP/RTSP/RTMP.

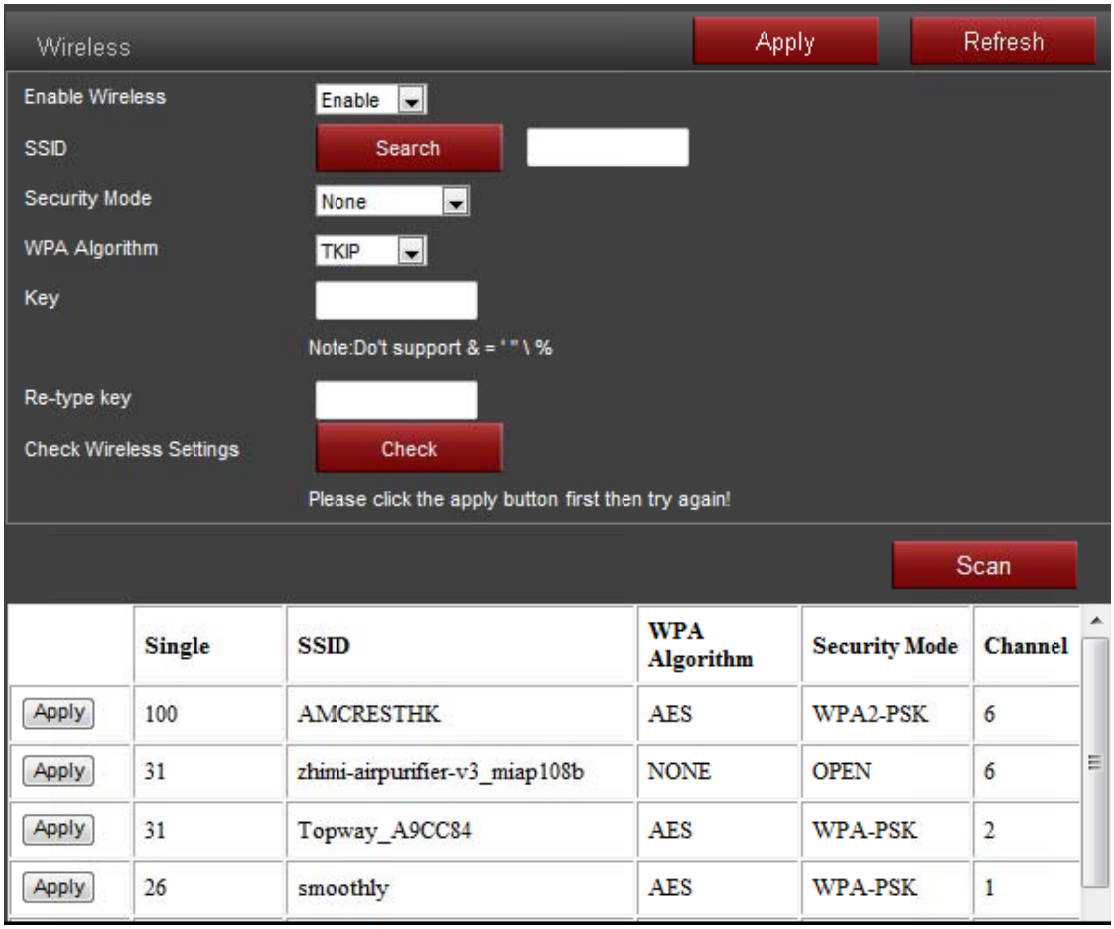
Note: Please keep the type for IP and DNS are the same, both are the DHCP or Static

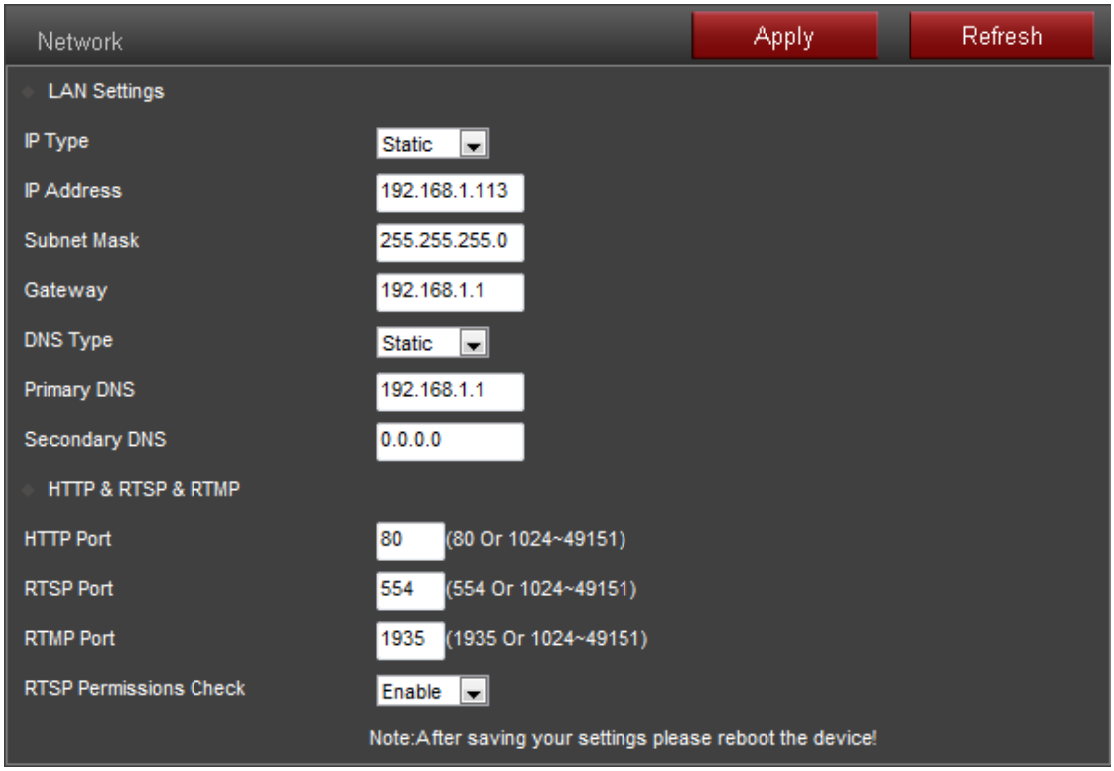


2) Wireless

Here you can search the WIFI AP around your camera, then select and apply one of them to your camera. Please make sure you enable the wifi before you start to use it.

You can also check your settings by click the “Check” button after you save your settings.



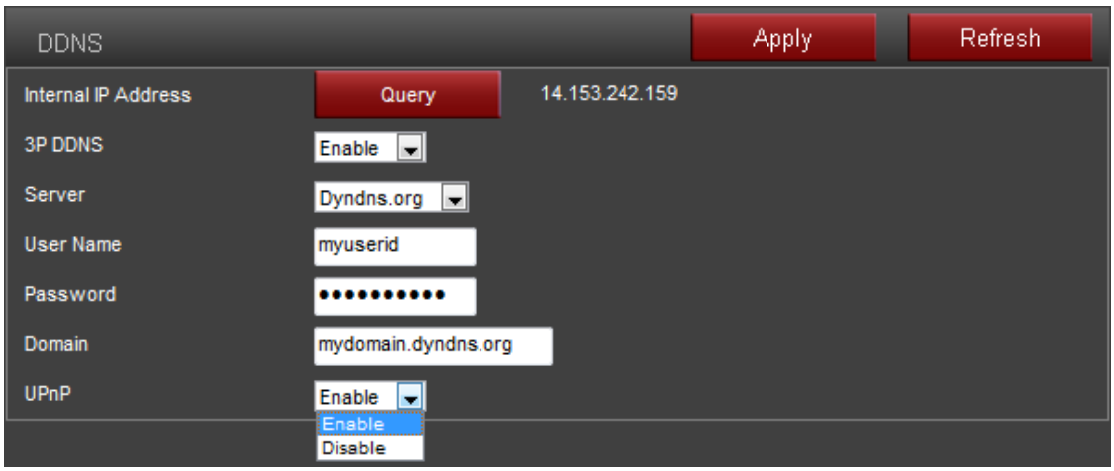


Note: The FDT camera use the wired Ethernet cable by default, it will work on the wireless status automatically if you disconnect the Ethernet cable. But the wireless will not

work if you still connect the Ethernet cable in your camera.

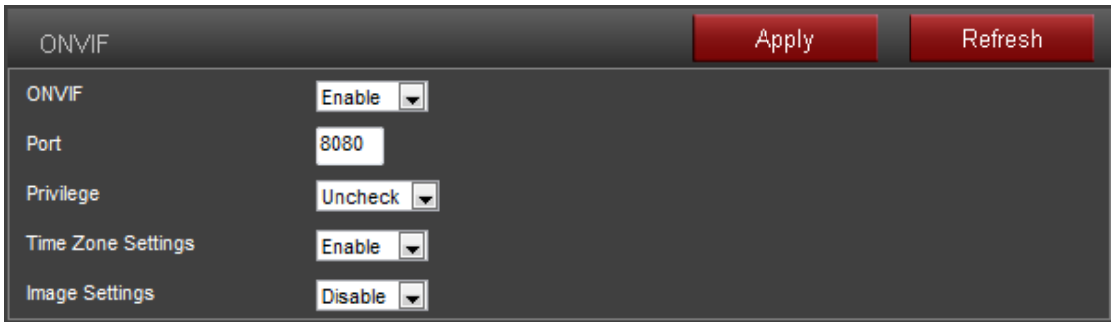
3) DDNS

Here you can set the third-party DDNS like Dyndns.org/3322.org/dynddns.us/No-ip.com and the status of the UPnP for your camera.You can get the public IP address of the LAN your camera works by click the “Query” button.



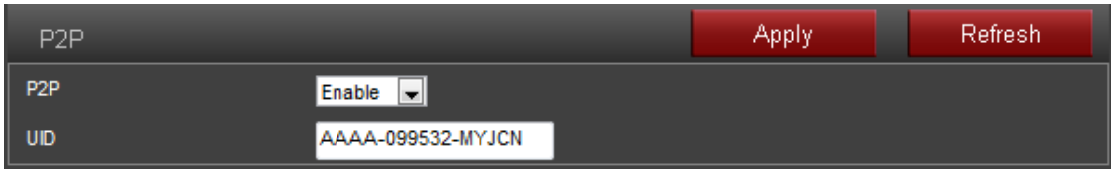
4) ONVIF

Here you can set the control configurations about ONVIF, such as enable status, port and privilege. You can configure these information as the needs of your NVR, so FDT camera can match your NVR best.



5) P2P

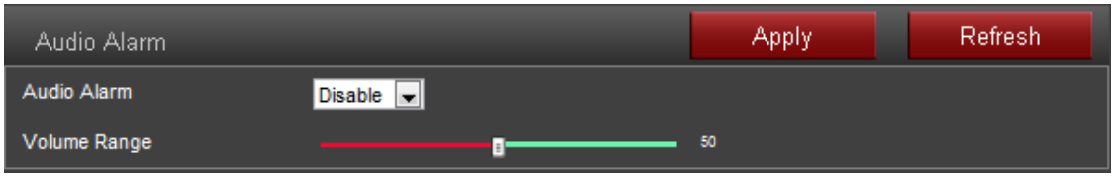
Here you can query the UID of your camera for P2P, and you can enable or disable the P2P feature of your camera as you need.



6.4.3 Alarm

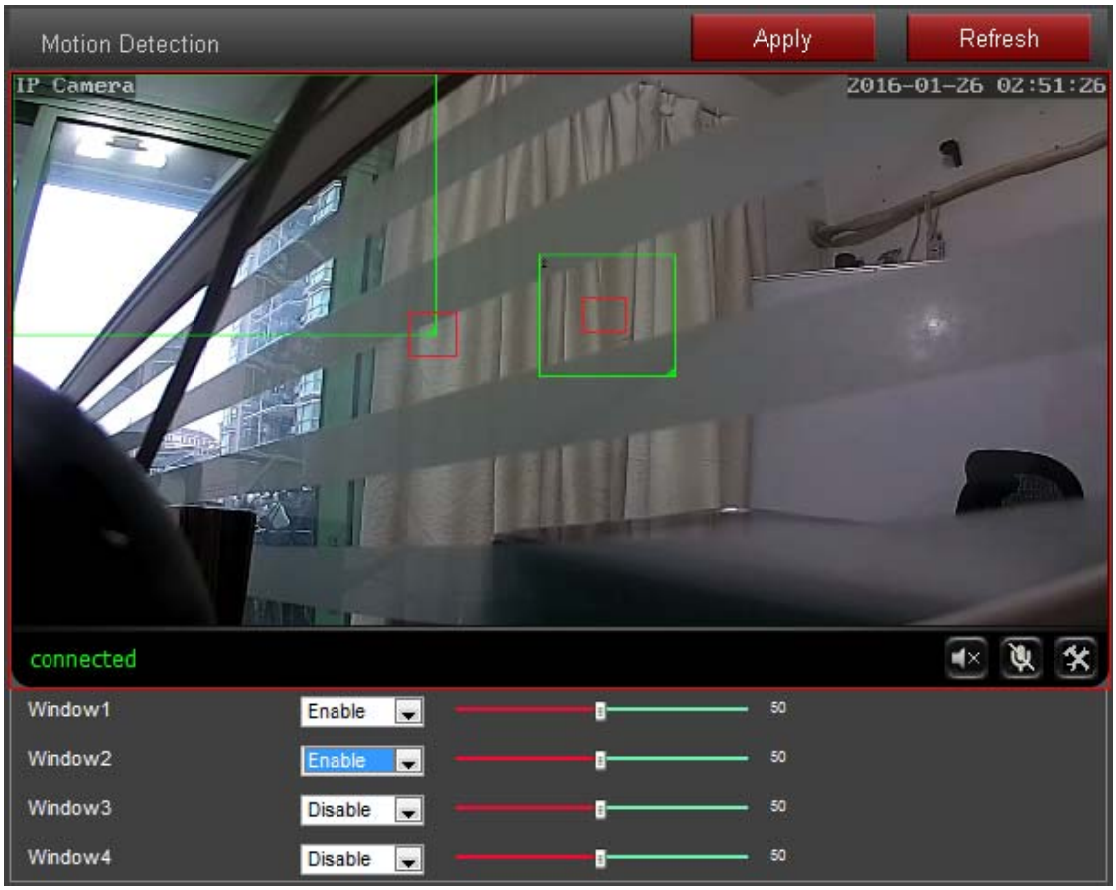
1) Audio Alarm

Here you can enable/disable the audio alarm of your camera. You can set the sensitivity of the audio alarm for the responding of your camera.



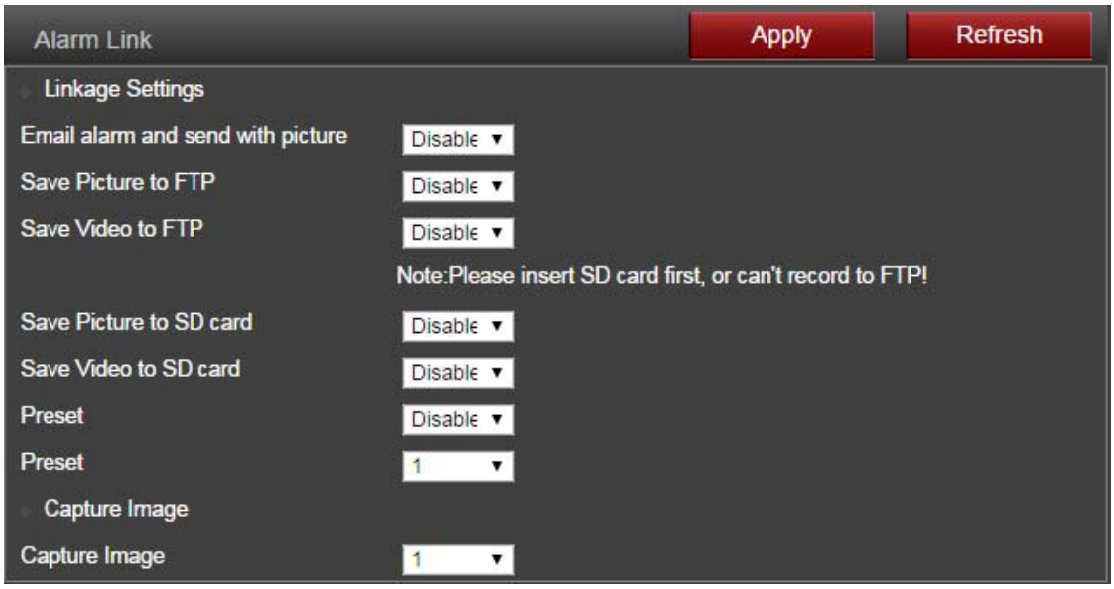
2) Motion Detection(Only for IE/Firefox in windows)

Here you can set the areas for the motion detection and the sensitivity of each area. You can enable or disable each of the area, or change the size of each area by dragging the bottom right corner of the setting window of square, or change the position by dragging the setting window through your mouse.



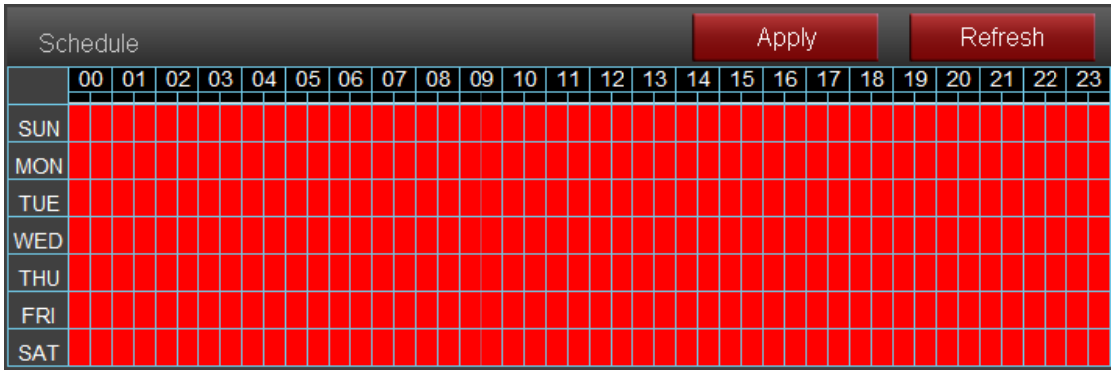
3) Alarm link

Here you can enable or disable the alarm actions once the alarm triggered, including send email with picture, save alarm picture or video to SD card or FTP server, go to one certain preset point and also the picture numbers for capturing.



4) Schedule

Here you can set the schedule for the motion detection alarm, red means enable and white means disable. You can select certain one or several days or hours you like to enable or disable the motion detection features.



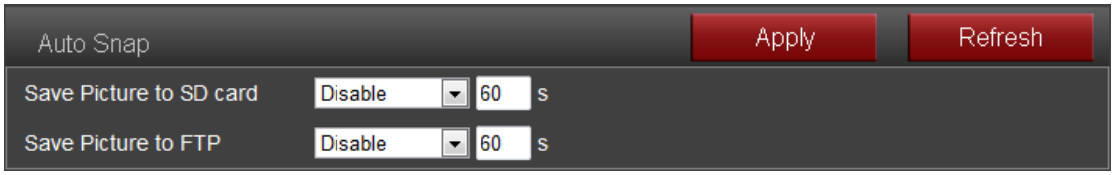
6.4.4 Advance

1) User

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

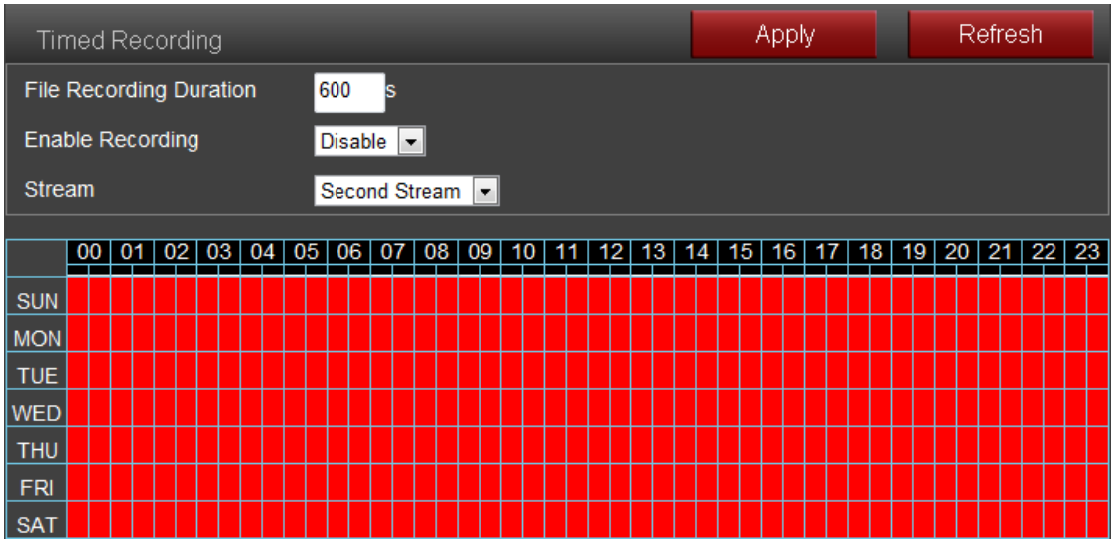
2) Auto Snap

Here you can set the save path and time interval for the feature of capture pictures automatically. You can select to save the picture to SD card, FTP server or both of them.



3) Timed Recording

Here you can set the configurations for timed recording, you can enable or disable it, set the file size for each of the video, select the stream you want to record(first or second stream) and the time schedule.



4) Email

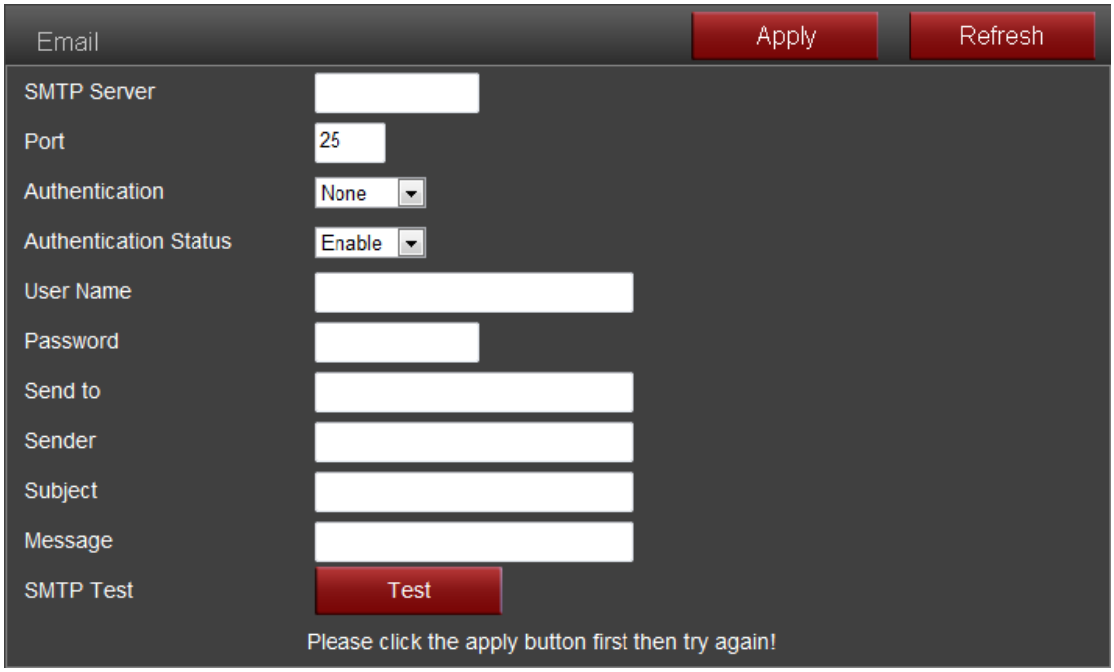
Here you can set the sending or receiving email for your email alarm.

Note:

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

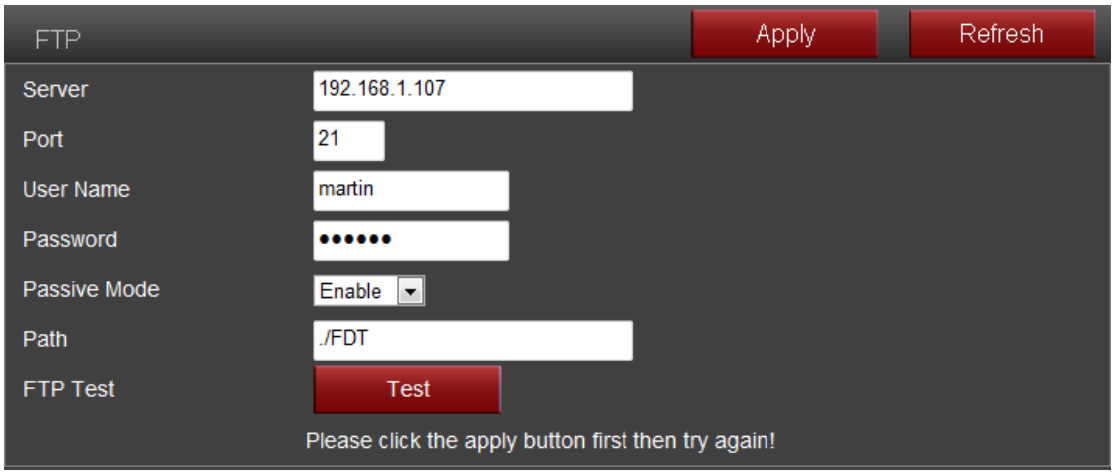
Authentication is used for transport layer security, it is usually none. If you use gmail and enable the authentication with TLS or STARTTLS, the SMTP port must be set to 465 or 587, it depends the authentication type you selected.

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



5) FTP

Here you can set the FTP server configurations for your FTP storage for picture or video. You can click the “Test” button to check whether your settings is ok or not. Please make sure you have input the right folder path in your FTP server.



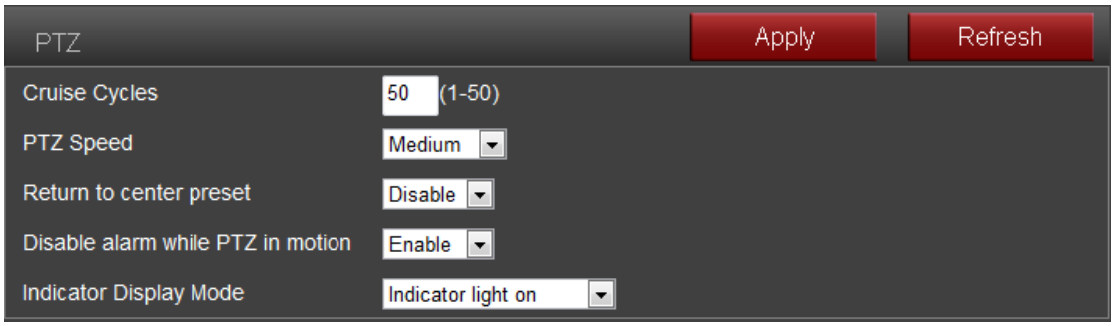
6) PTZ

Here you can set the configurations about Pan/Tilt motion for your camera.

Cruise cycles decide the time for your vertical and horizontal cruise.

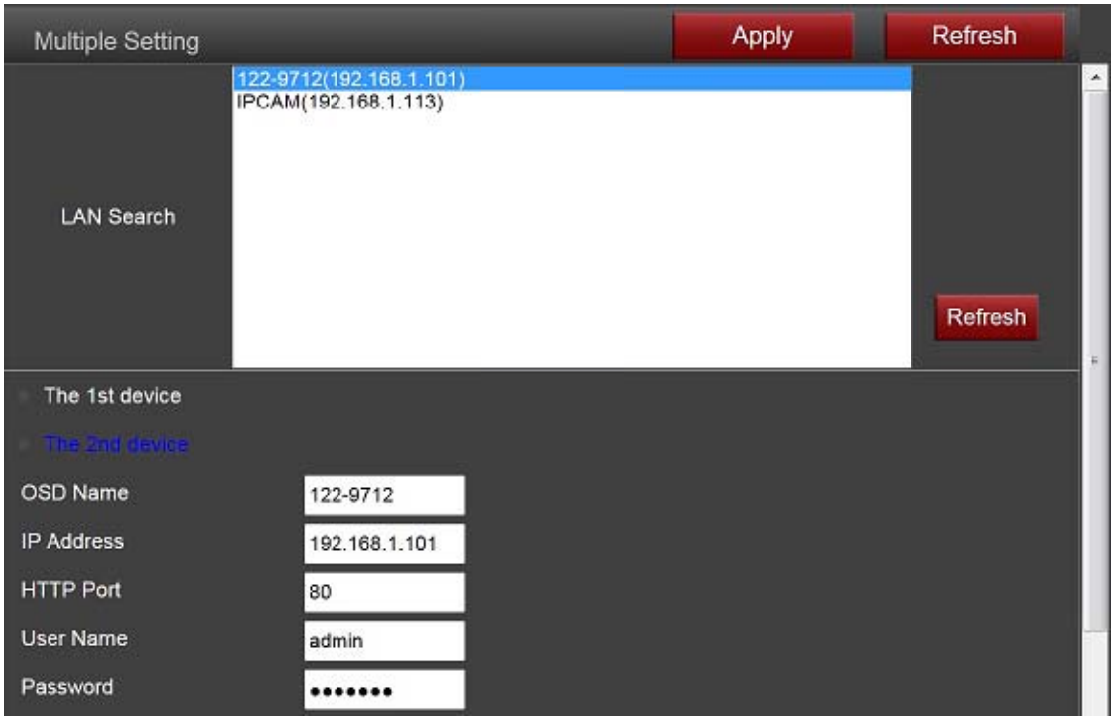
If you enable the “Return to center preset”, it will go to the center preset when the cruise is complete.

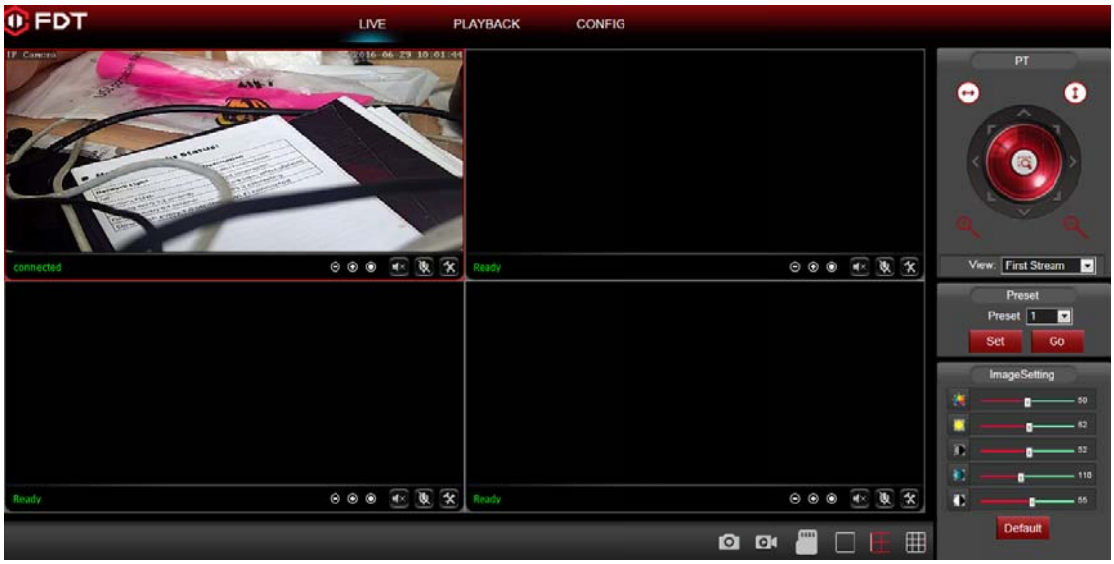
The “Indicator Display Mode” decides the status for the system LED status in the front-head of the Pan/Tilt.



7) Multiple Setting(Only for IE in windows)

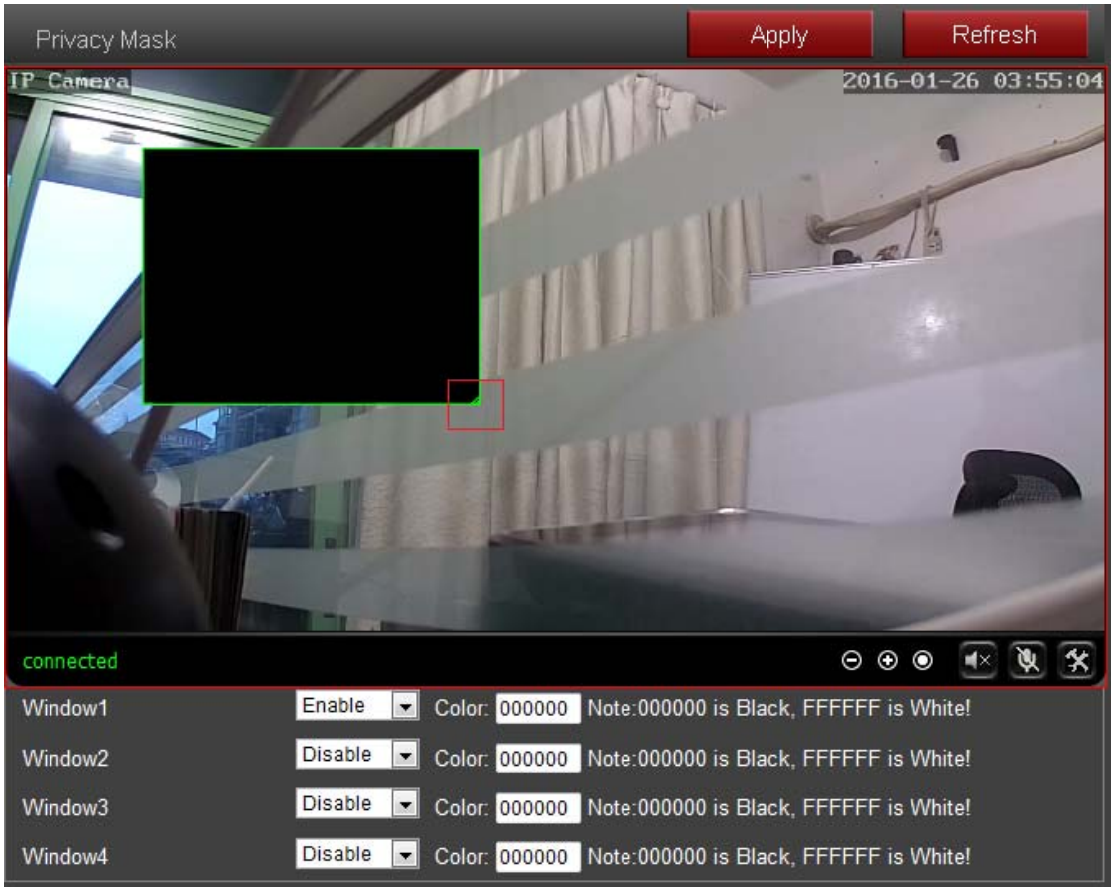
Here you can search the FDT cameras in your LAN and add them into your multiple device group.Then you can view them at the live page together.





8) Privacy Mask(Only for IE/Firefox in windows)

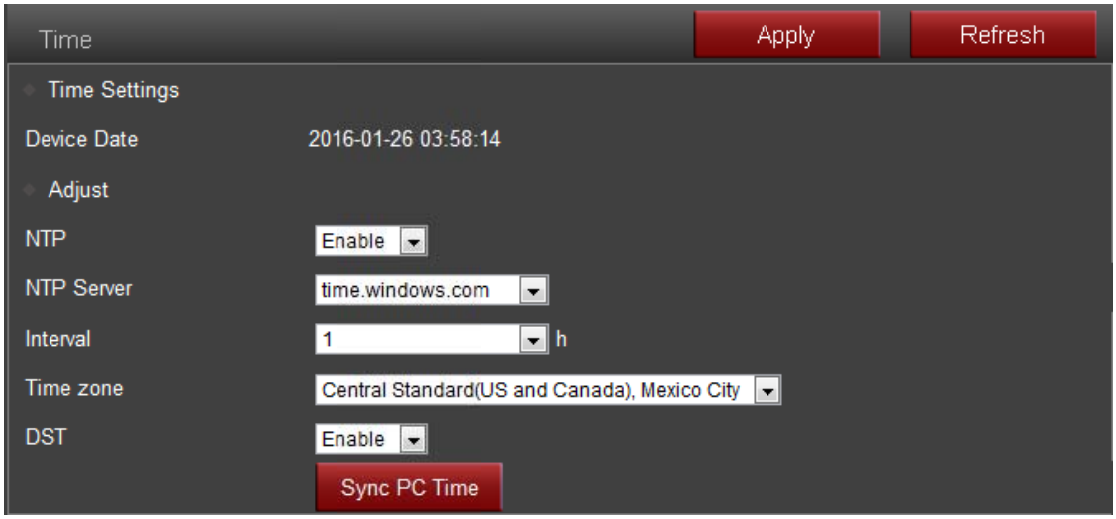
Here you can set the area and color for the privacy mask of your camera, it up to 4 areas. You can set the color of the mask, change the size of the area by dragging the right-bottom corner, change the position of the area by dragging the area.



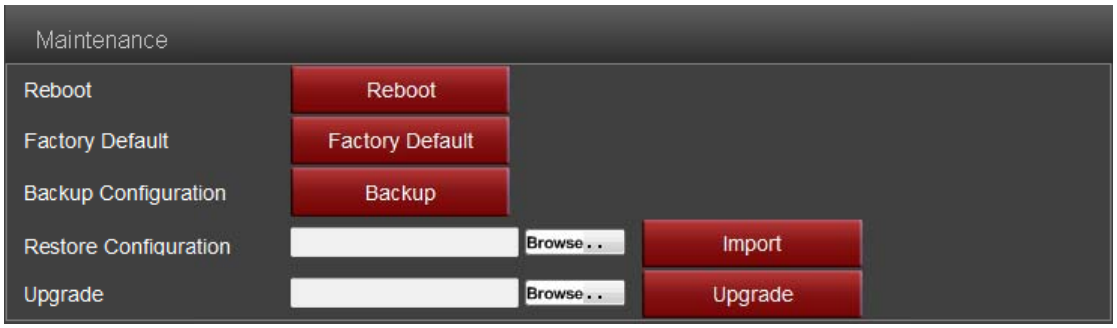
6.4.5 System

1) Time

Here you can set the time and date, the status for NTP and DST, the time zone for your camera.



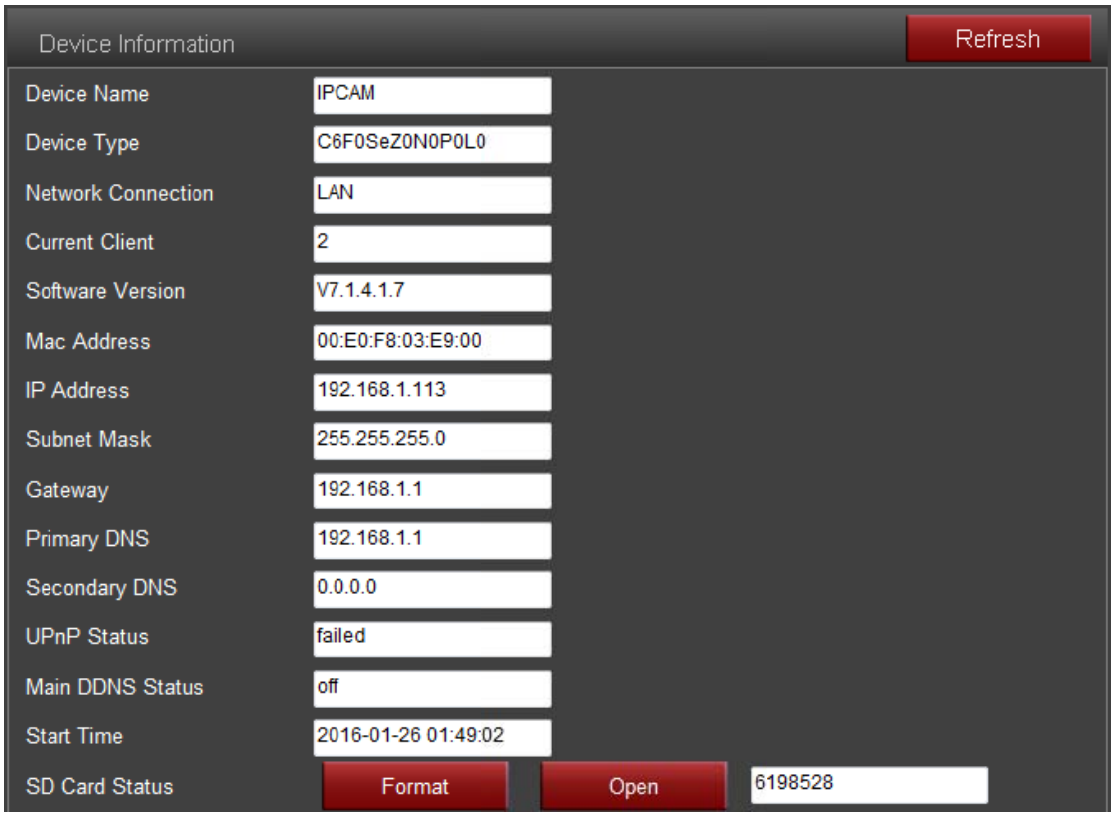
2) Maintenance



Reboot: reboot the camera.
Factory Default: restore the camera settings to the factory default settings.
BackupConfiguration: 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 backup 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.

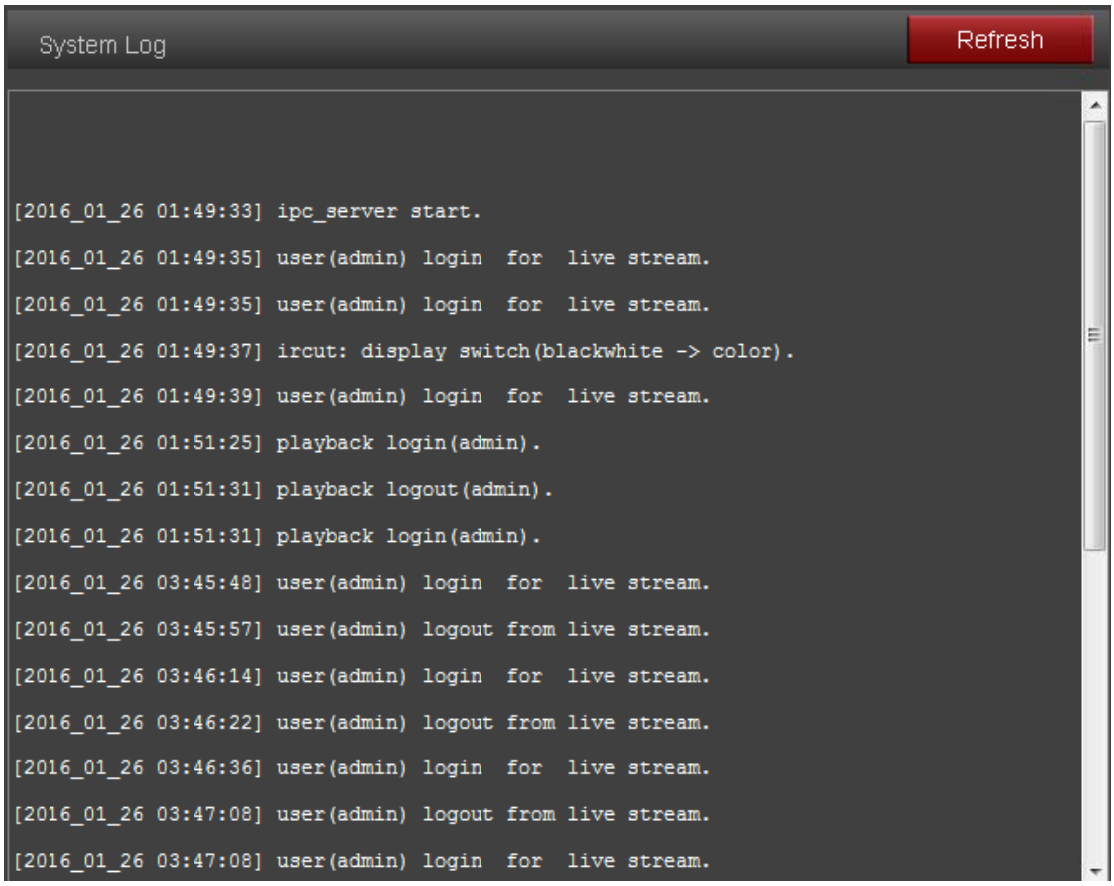
3) Device Information

Here you can query and check the main information and status of the FDT camera, including the name, time, IP, firmware version, DDNS and UPnP status, and the SD card left space.
By clicking the “Format” button, you can format the SD card in your camera. By clicking the “Open” button you can open and browser the contents in your SD card.



4) System Log

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



7.Frequently Asked Questions

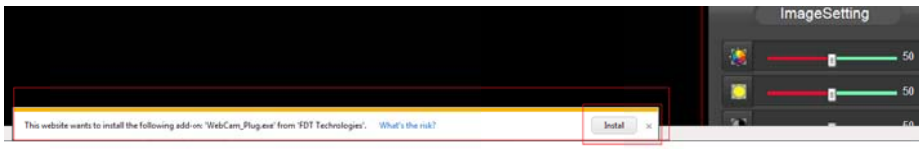
7.1 How to start the live view in computer by web browser?

Before you start the live view in windows OS by IE browser or Mozilla Firefox. Please install the plugin first. But for the Google Chrome in Windows/Mac OS and Safari in Mac, you can start the live view directly by accessing the IP address of your camera, no need to install the plugin.

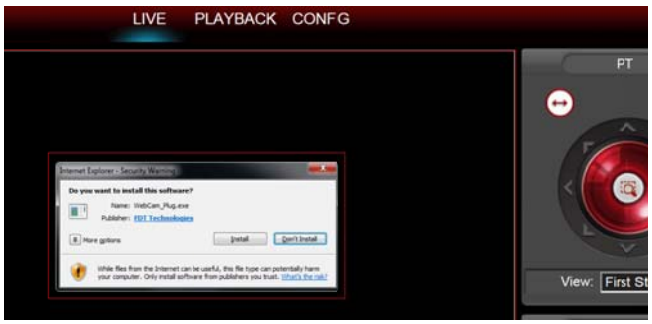
7.1.1How to install the plugin for IE browser in Windows OS?

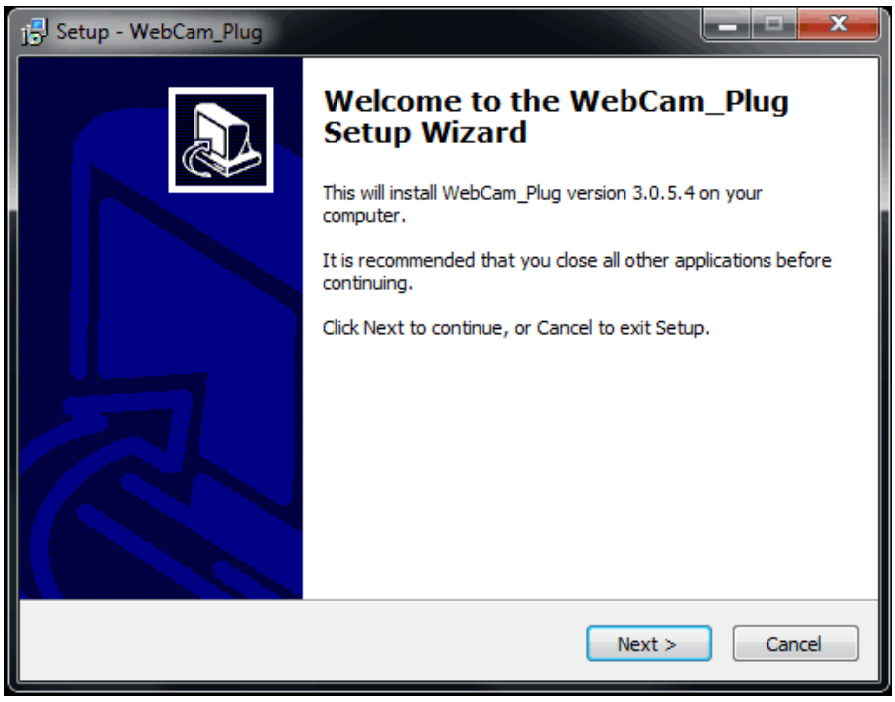
When you login the camera in your computer at the first time by IE browser, the IE browser will prompt automatically to show you to allow the installing of the FDT camera plugin named **WebCam_Plug**.

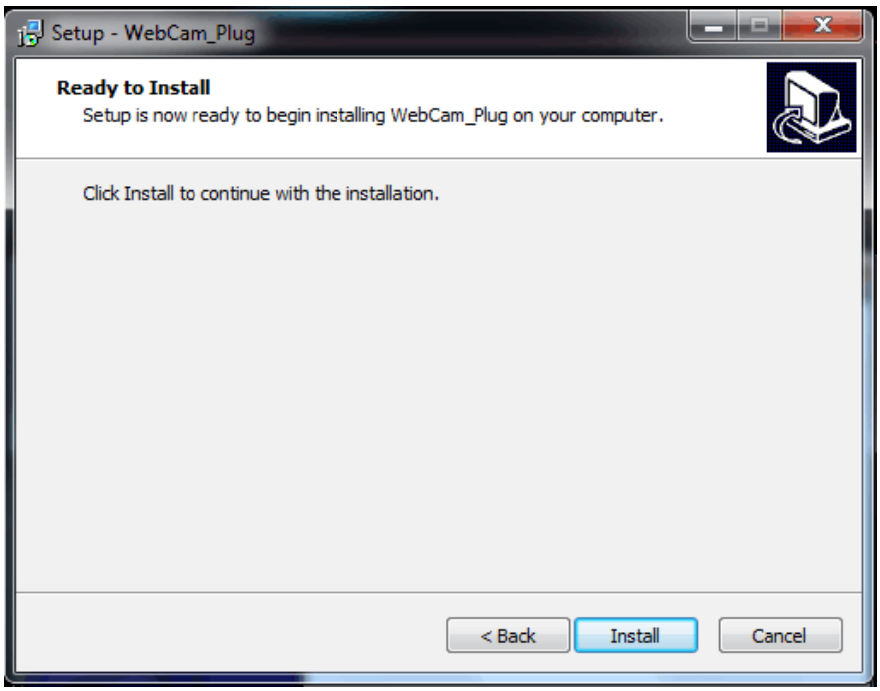
1. Allow to install this plugin after you login the camera.

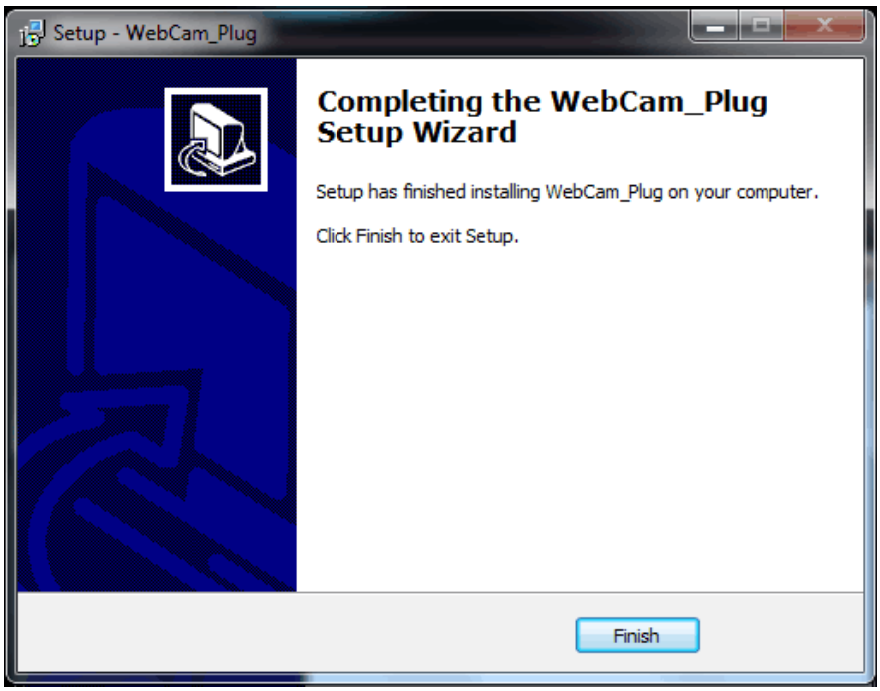


2. Install the plugin after youlogin the camera.

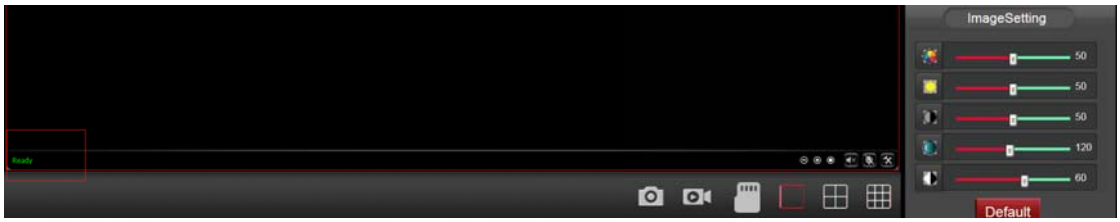


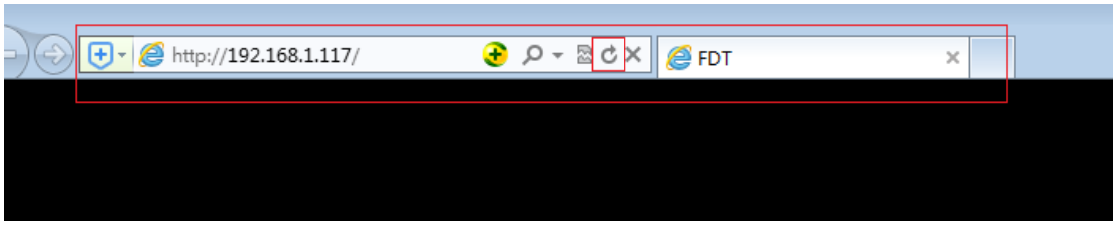






3. Refresh the IP address when it is ready to login and access your camera.



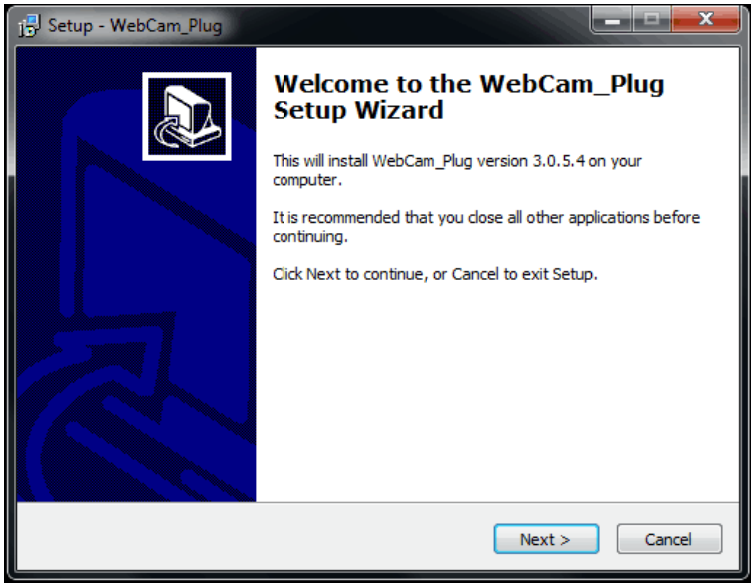


7.1.2 How to install the plugin for Mozilla Firefox browser in Windows OS?

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 WebCam_Plug.exe file to install it in your computer.

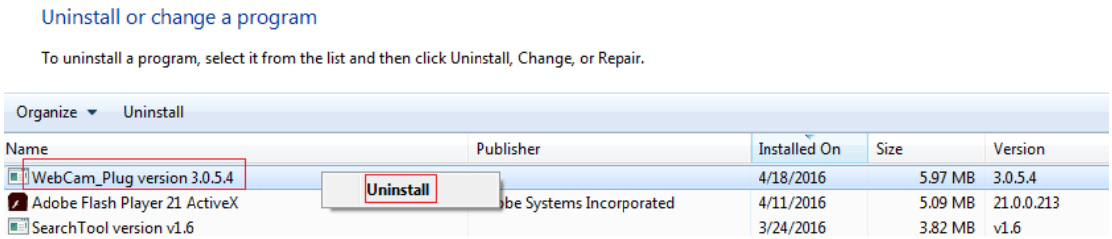


3. Refresh the IP address in your web browser to access your camera after you install the plugin successfully in your computer.

7.2 How to uninstall the plugin in your computer?

Please go to Control Panel->Uninstall a program to find the program named WebCam_Plug, 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.



7.3 Forgotten the username or password of the camera.

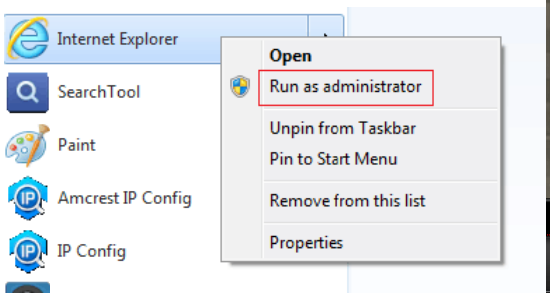
Here is a hard reset button in the camera. Please press and hold the reset button for 5-10 seconds. Upon releasing the reset button, the camera will reboot and the username and password will be restored to the factory default settings.

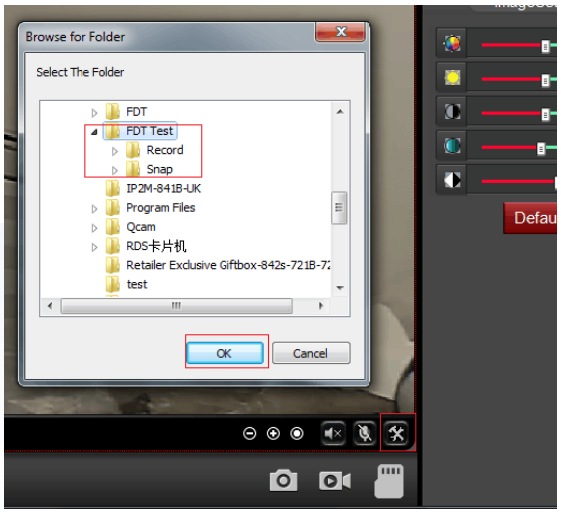
Default username:**admin**

Default password: **admin**

7.4Could 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.





7.5 Cameracould not connect the wireless network by wifi.

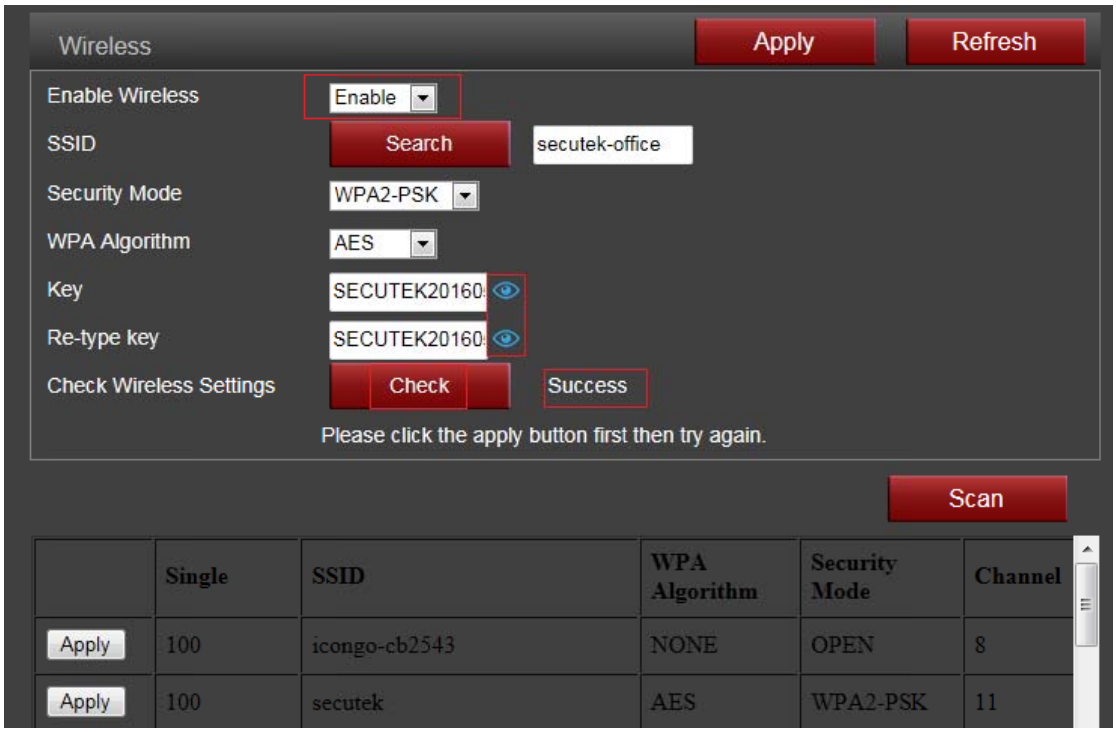
1. Please go to the CONFIG->Network->Wireless page through web browser, here is a check button, you can check whether your wifi settings are right or not by this button. If your settings are correct, it will show you success.

2. Please make sure these special characters did not be included in your wifi password, such as &= ’ ” \ % +.

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

4. Please make sure you have enabled the wireless.

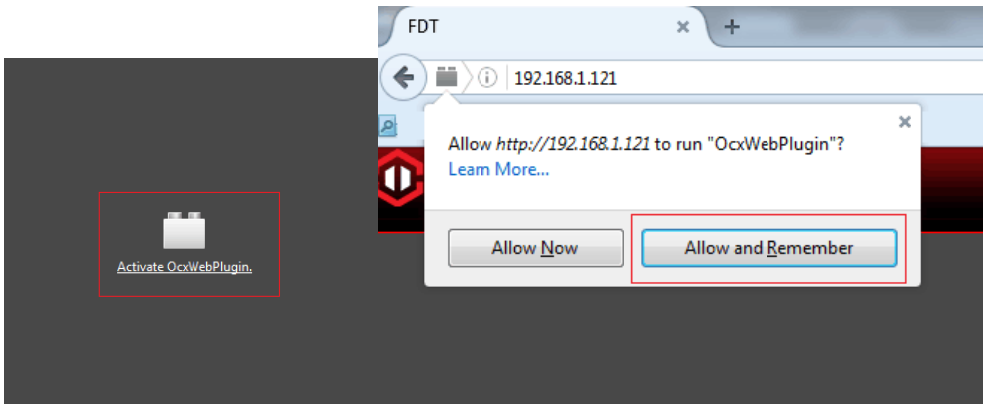
5. Please make sure your wifi password is correct, you can display the password by click the eye-icon beside the input box.



7.6The 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 active the plugin after you login the camera.

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



FDT
192.168.1.121
Refresh
FDT
LIVE
PLAYBACK
CONFIG
IP Camera
2016-04-18

FCC Statement

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: 1) this device may not cause harmful interference, and 2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

--Reorient or relocate the receiving antenna.

--Increase the separation between the equipment and receiver.

--Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

--Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

RF exposure warning

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. User should avoid un-intended operation of usage when it is collocated with other transmitters or antenna. The distance between user and products should be no less than 20cm