



User Manual  
FDT HD IP Camera-FD7901

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## Welcome

Thank you for purchasing our FDT network 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 are still have further questions, please contact one of the following:

-Call FDT support using one of the following numbers

Toll Free: (888)212-7538

International Callers (Outside of US): +1-713-893-8956

USA: +1-713-893-8956

Canada: 437-888-0177

UK: 203-769-2757

## Important Safeguards and Warnings

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

-Always make sure that your camera has the latest firmware.

-Never use the default password for your camera. Always ensure that 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 Amcrest directly if anything is broken or missing in the package.

## Check Hardware

When you receive the product in the packaging, unpack it, and check all sides of the product for any physical damage. The protective materials used in the packaging of the product can protect most accidental damage during transportation, but to ensure that 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.

**Note:** Hardware does 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 FDT PT Network 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 PCs, iPhones, iPads, Android tablets, and Android phones.

This PT Network 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. The PT Network Camera also has a built-in WiFi adapter that allows for the camera to be used on a wireless network, without needing a physical connection to a router or PC.

## 1.2 Features

The FDT PT Network Camera has the following features:

### **HD Resolution**

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**

FDT cameras support P2P function. You don't need to do complicated Port Forwarding and DDNS settings, you just need to scan the QR code on the bottom of the camera to connect it to smart phone, or input the UID to realize remote access.

### **H.264 Encoding**

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 network bandwidth.

### **Web access**

FDT camera is designed for indoor 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**

FDT IP camera provides Smart Phone APP for Android and iPhone users, please search and install App named **FDT View** on App Store and Google Play for iOS and Android devices, then you can view your camera anywhere, anytime on your smart mobile devices.

### Advanced Playback Function

FDT IP camera supports real-time recording and can support search, fast forwarded playback, recorded searches, and downloading of videos and screenshots. The Camera 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.

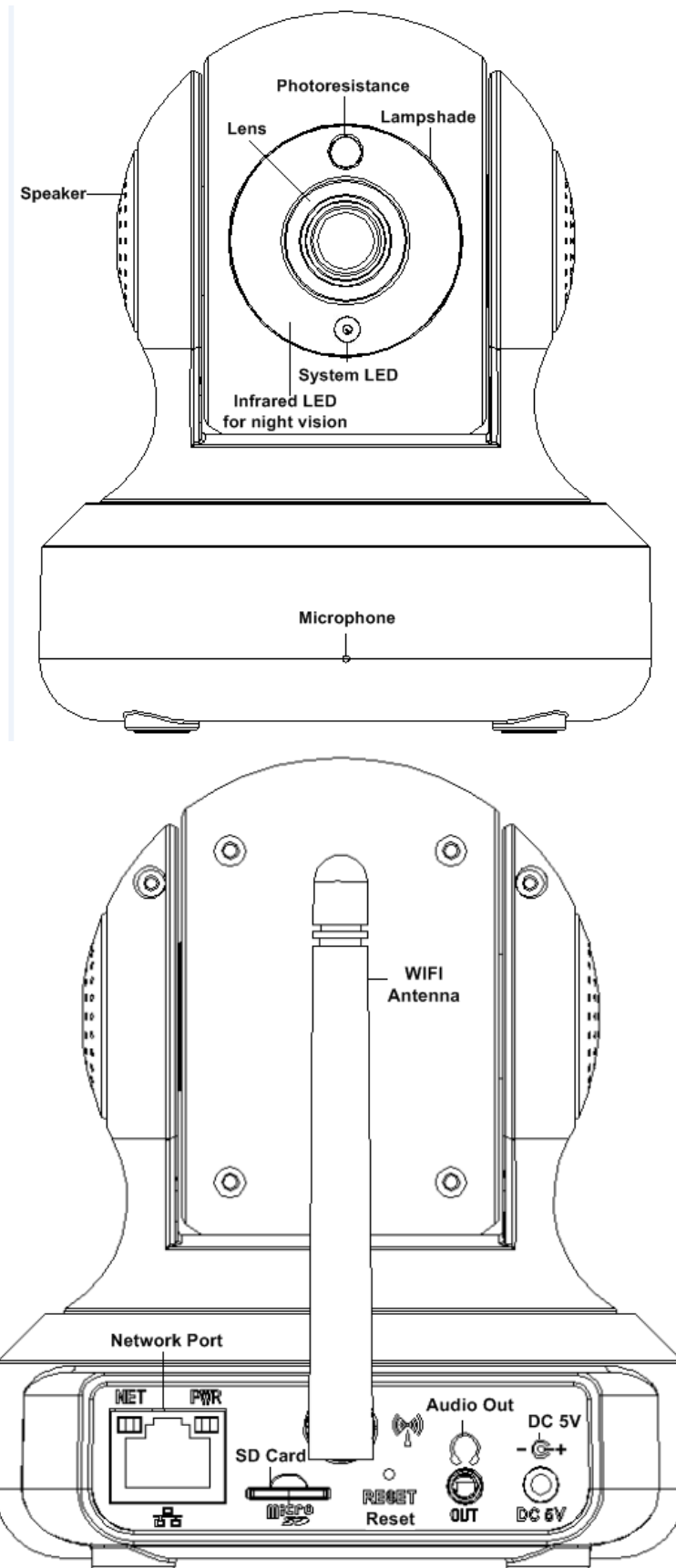
## 1.3 Specifications

<b>Camera</b>	<b>Image Sensor</b>	1/4" 720P CMOS
	<b>Effective Pixels</b>	1280 (H)x720(V)
	<b>WDR</b>	Digital WDR
	<b>Noise Reduction</b>	3D DNR
	<b>Day/Night control (IR-Cut)</b>	Auto(ICR) / Color / Black&White
	<b>PT</b>	Horizon-350°, Vertical-120°
	<b>Memory slot</b>	Miscro SD
	<b>Motion detection</b>	Supports
	<b>Privacy Masking</b>	Supports, 4 areas
	<b>IR distance</b>	IR distance 8 Meters
	<b>SD Card</b>	Supports, up to 32GB
<b>Lens</b>	<b>Focal Length</b>	2.8mm
	<b>Max Aperture</b>	F2.4
	<b>Focus control</b>	Fixed
	<b>Angle of View</b>	70°
<b>Video</b>	<b>Encode</b>	H.264 Main/Baseline profile
	<b>Resolution</b>	Main Stream: 720P (1280x720)+ VGA (640x480) Sub Stream: VGA (640x480) + QVGA (320x240)
	<b>Video Bitrates</b>	32Kbps ~ 6144Kbps
	<b>Video Frame Rate</b>	25fps@720P
	<b>Image snapshot</b>	Supports
	<b>Dual video stream</b>	Supports
<b>Audio</b>	<b>Two-way</b>	Supports
	<b>Encode</b>	G711/G726
	<b>Interface</b>	embedded mic in
<b>Network</b>	<b>Ethernet</b>	RJ-45 (10/100Base-T)
	<b>Network Protocol</b>	HTTP, FTP, TCP/IP, UDP, SMTP, DHCP, NTP, UPNP, RTSP, Onvif, DDNS
	<b>Web browser</b>	Windows: IE/Firefox/Chrome, Mac: Safari/Chrome



	<b>Smart Phone</b>	FDT view App, IOS: IPhone+IPad, Android: smartphone+pad
	<b>Wifi</b>	WiFi (802.11b/g/n), 2.4G only, supports WEP/WPA-PSK/WPA2-PSK encryption
	<b>P2P</b>	Supports
	<b>Max. User Access</b>	3 users (Main stream) + 3 users (Sub stream)
<b>General</b>	<b>Power Supply</b>	DC 5V/2A
	<b>Power Consumption</b>	<5W
	<b>Working Environment</b>	-10°C~+60°C,10%~90% RH
	<b>Dimensions</b>	185x123x140 mm
	<b>Weight</b>	650 g

## 2 Device Overview

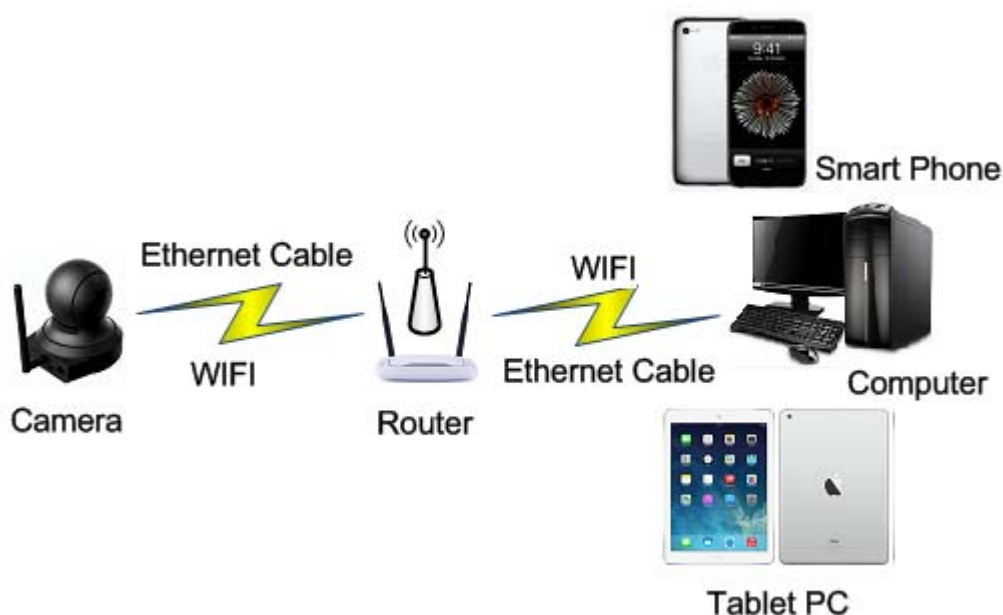


## 3 Camera Connection and Installation

To make your experience with the FDT WiFi camera easy and simple, we've provided multiple ways to set up, view, and operate your camera depending on your needs. Please set up your camera in the way that 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 the 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 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: Logging in for the first time will prompt the user to change the password to the admin account.

## 4 Access the camera

### 4.1 Mobile device access

FDT cameras enable access through the use of the FDT View app on either iOS or Android mobile operating systems. 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 the CD.



### 4.2 Web browser access

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

#### 4.2.1 SearchTool for Windows OS

To easily connect to the camera's interface, use the included CD to install and run the "SearchTool" in Windows. Alternatively, you can download the tool software from [www.amcrest.com/support](http://www.amcrest.com/support). However, before use the SearchTool to find the FDT camera, please ensure:

- The camera is connected to the Network via an Ethernet cable. You can skip this step if you have already set up the camera on WiFi using the FDT view App in your mobile device.
- The camera and the PC are on the same local network.
- Using the IE/Chrome/Mozilla Firefox in Windows OS, the Safari/Chrome in Mac OS.



This wizard will guide you through IpCamera Easy Setup. Click "Next"

Back Next Cancel

Network Card  Refresh

NO	IP Address	Name	MAC Address	Version	port
0	192.168.1.101	122-9712	00:E0:F8:02:F8:68	V7.3.0.2.1	80
1	192.168.1.112	181Au	7A:88:2B:01:E3:0C	V7.1.4.1.7	80

Please select the device list, and then click Next to modify the device

Back Next Cancel

You can also modify some network configurations, camera name of your camera through the SearchTool. Please ensure you have input the right username and password of the camera to let your modifications are valid.

Local IP 192.168.1.107      The software finds available network setting for the Ipcamera automatically. We suggest you just use it, you want to modify it manually

DHCP

IP Address: 192 . 168 . 1 . 108      Name: 181Au

SubMask: 255 . 255 . 255 . 0      User: admin

GateWay: 192 . 168 . 1 . 1      Password: \*\*\*\*\*

Port: 80     

---

IP Address: 192.168.1.112      Name: 181Au

SubMask: 255.255.255.0      Port: 80

GateWay: 192.168.1.1

MAC Address: 7A:88:2B:01:E3:0C

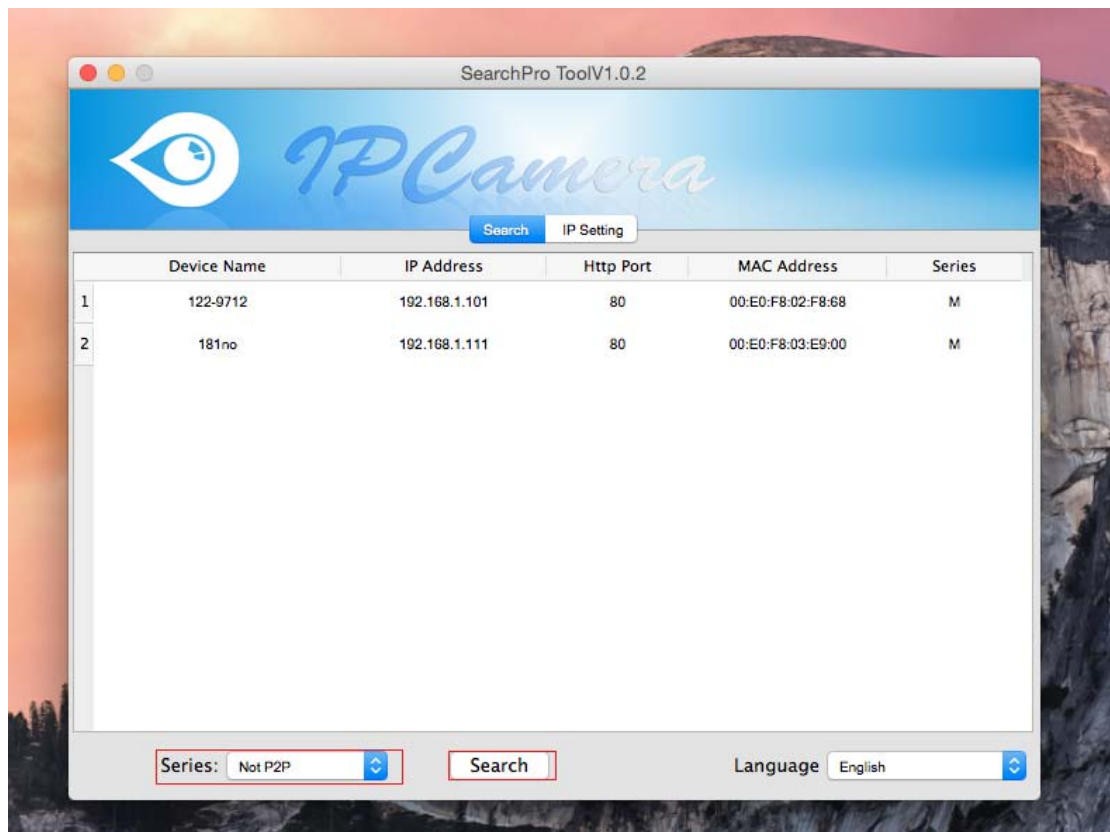
Click Next to confirm the selected device, click Back to reselect the device

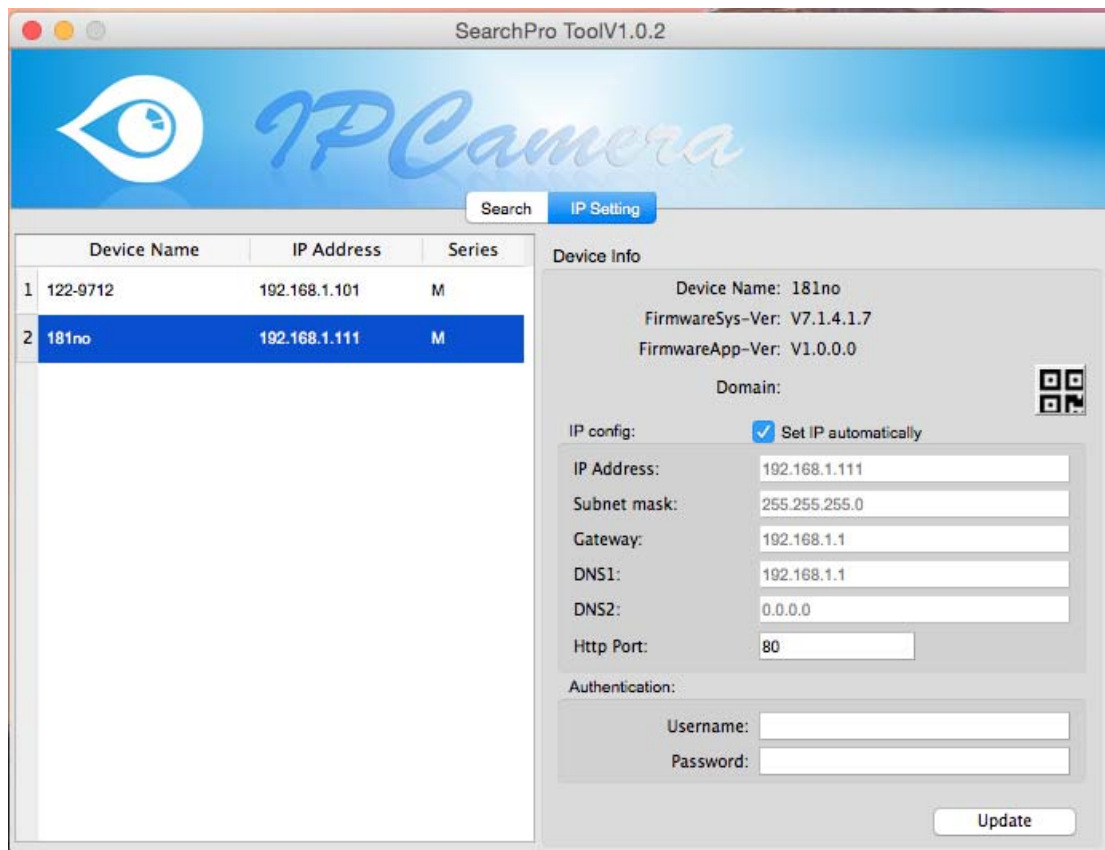
#### 4.2.2 SearchTool for Mac OS

Here a file named "Search Tool for Mac.zip" in the CD, it is the search tool for Mac OS. Please copy it to your Mac computer and install it. Then run the tool named "searchpro" to search the FDT camera in your LAN.

Please select the "Series" as the "Not P2P" for this kind FDT camera, then you can click the "Search" button to find all the FDT camera in your LAN.



You can also query the information about your FDT camera and modify them in the “IP Setting” page. Please ensure you have the right authentication when you modify.

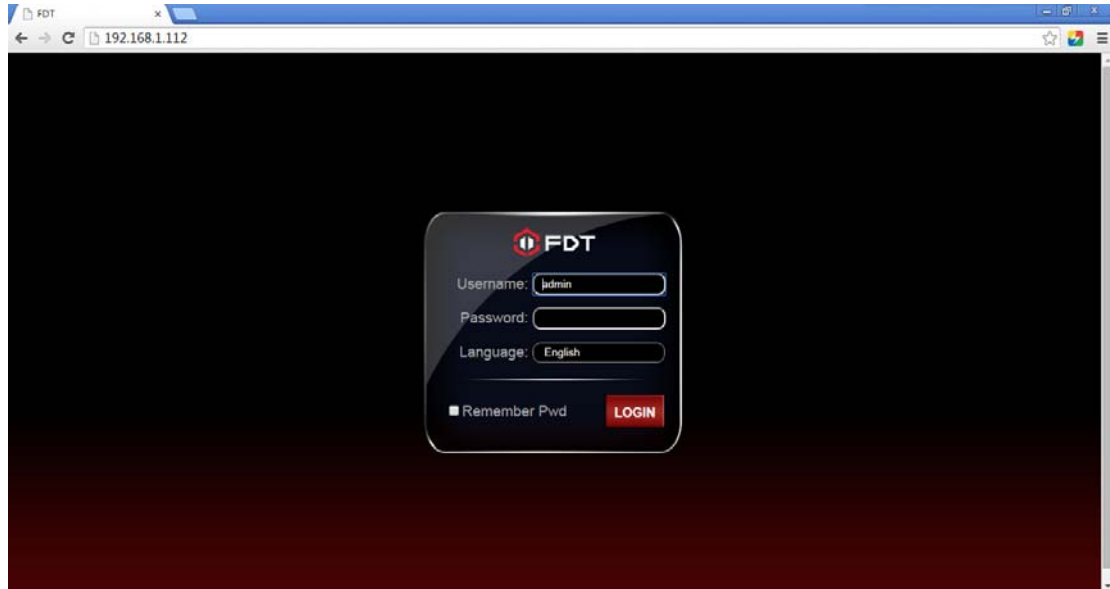


#### 4.2.3 Access by IP address and http port

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's line item to login the camera by your default web browser, or you can open the web browser you want first and input the IP address of the camera 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.>

You can find the LAN IP Address of your camera through the SearchTool. As for the HTTP Port No., the default port No. is 80.

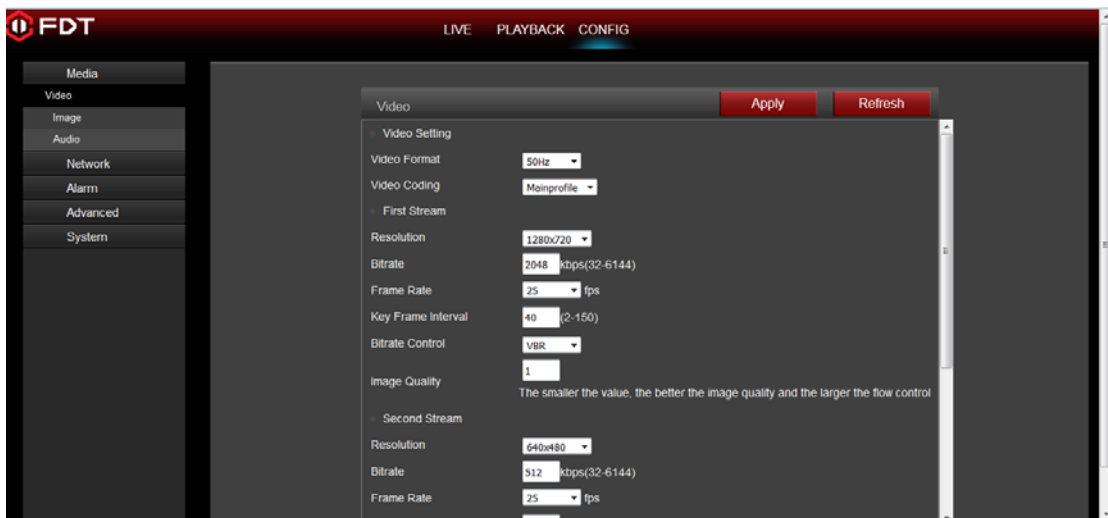
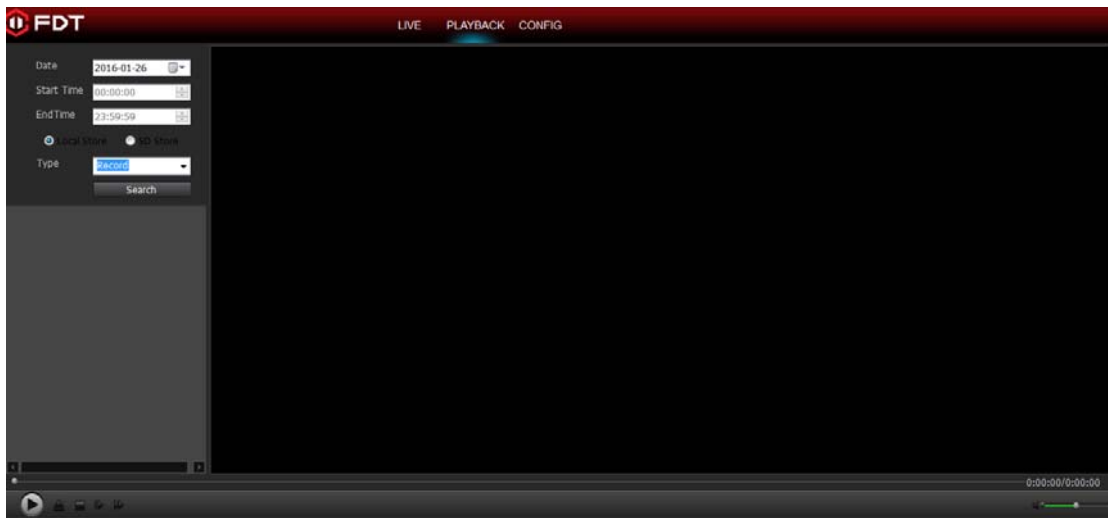
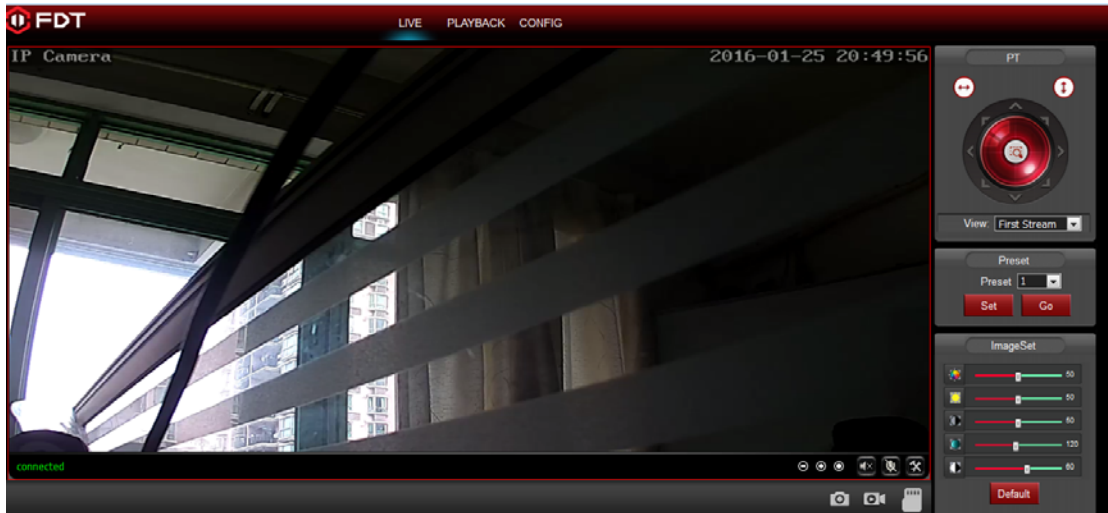


Log in to the camera using your login credentials (default username and password are both “admin”). If this is your first time logging into the camera by default account after it is reset, you will be prompted to change the default password. Please select a password that is at least 8 characters long,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



For the IE/ Mozilla Firefox web browser in Windows OS, when opening the camera’s interface, the browser will prompt you to install a plugin. The plugins are necessary for using the camera’s interface. Click install to download the plugin, and then install the plugin. 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!





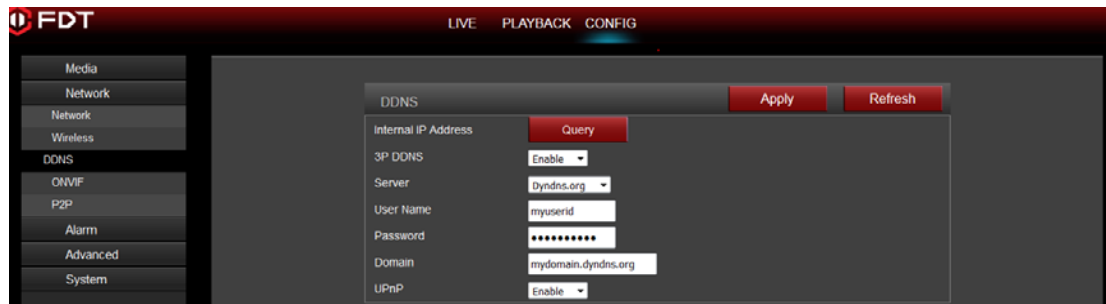
**Note:** Due to the limitations of NPAPI plugins, the web browser of Chrome/Safari can not support the settings for features of playback, talk, motion-detection and privacy mask.

#### 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

FDT camera supports connecting to any NVR that uses the ONVIF standard. 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`

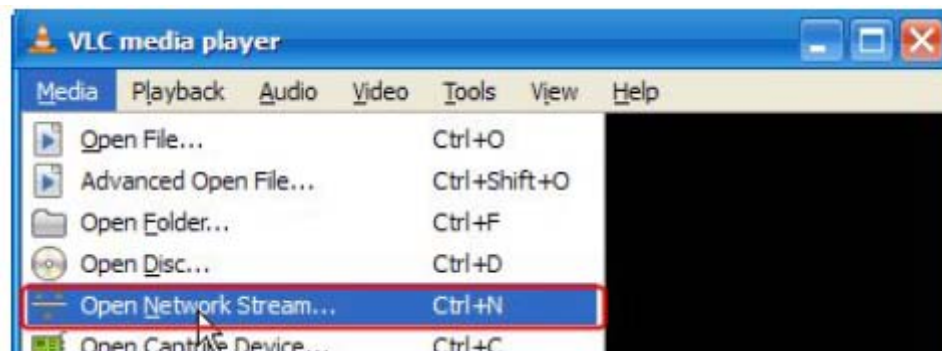
For example: `rtsp://admin:123456@192.168.1.10:554/11`

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

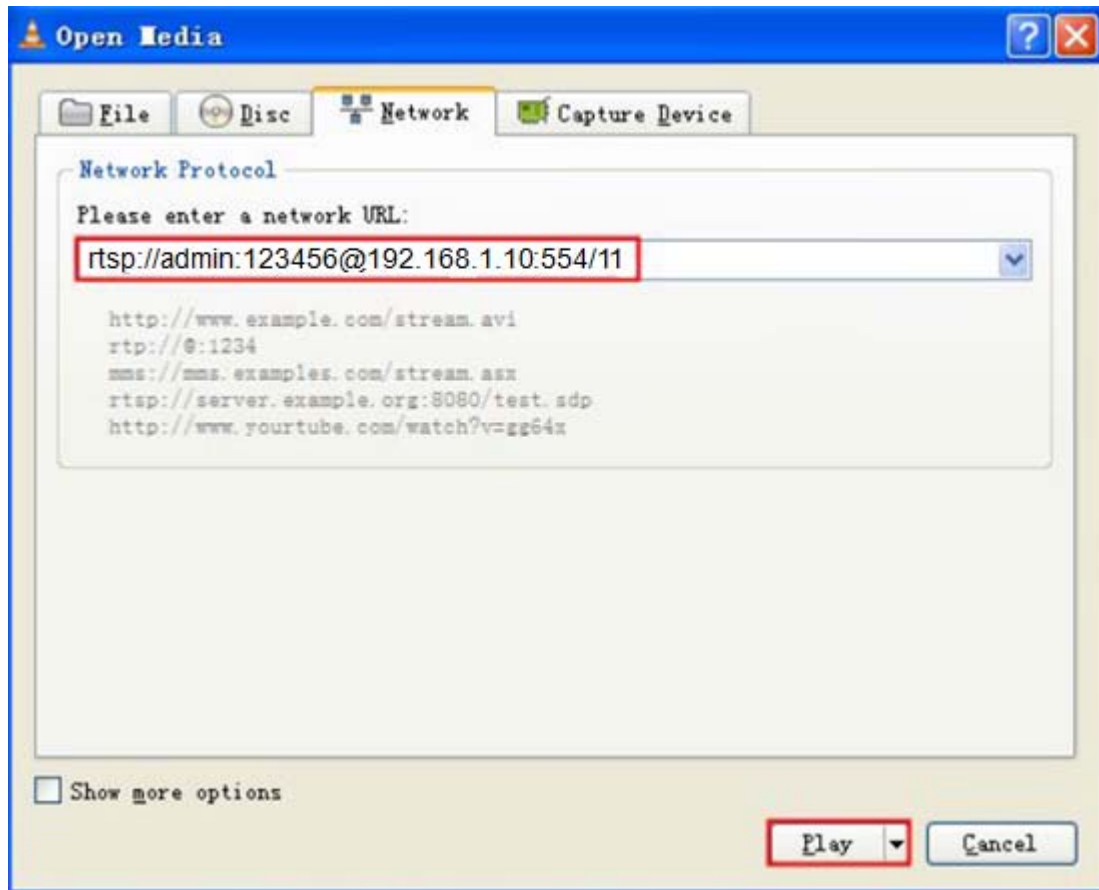
For example: `rtsp://admin:123456@192.168.1.10:554/12`

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

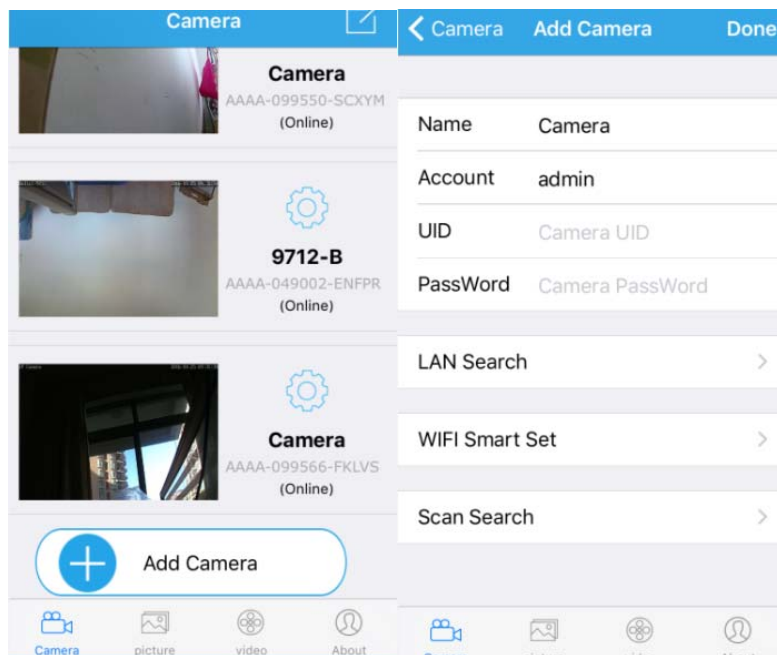
To access your device from a smart phone or tablet, please download and install **FDT View**. For iPhone and iPad users, please visit the App store to download the App. For Android user, please install the APP from the Google Play or the CD.

**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 use the Desktop Setup Method.

### 5.1 Add Camera

There are 3 methods for you to add the FDT camera into FDT View App. You can choose any one of them to set up your camera into the FDT View after input the right Account and Password, you can also change the camera name as you want to make it specifically and different with other cameras.



#### 5.1.1 Search the camera in your LAN.

If you have connected the camera to router by Ethernet cable or have set up the wifi of the camera, it recommend you to add the camera by search the IP and UID in your LAN. It will show all FDT camera in your LAN automatically, you can choose one of them you need to add and configure.



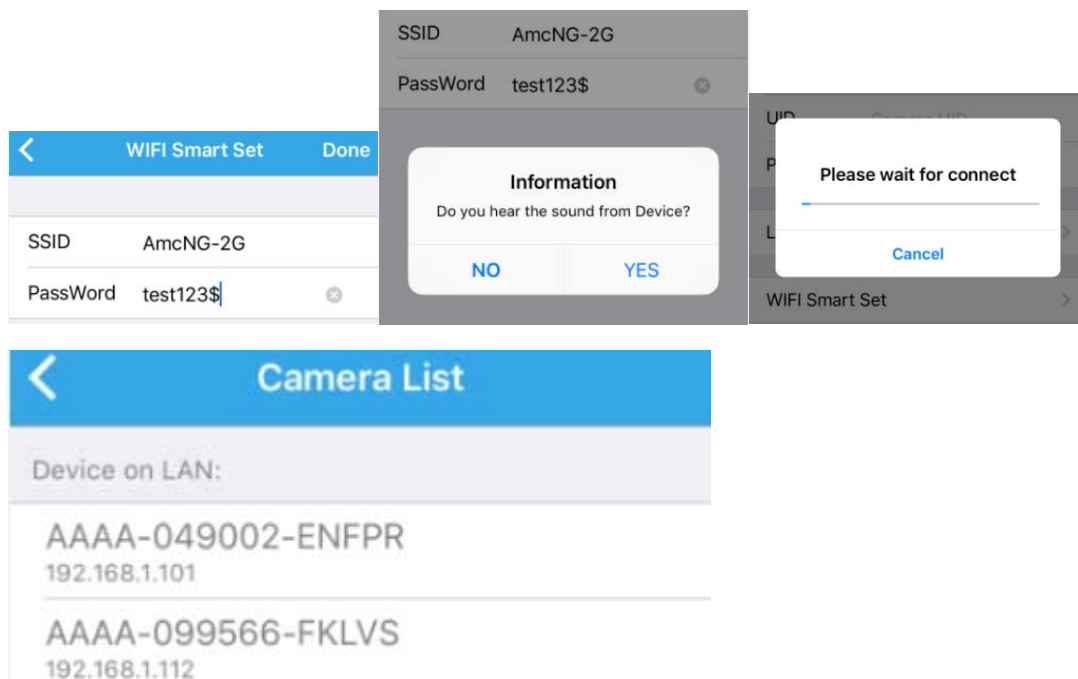
### 5.1.2 Wifi Smart Configuration

For the first time you access the camera after it was reset or restore the factory settings, you can set up the wifi in your camera directly, no need to connect the camera to router by Ethernet cable.

You can set up the wifi step by step, like input the wifi password and choose the camera you want to add in your LAN.

**Note:**

- 1) The camera can only support 2.4G wifi, do not support 5G wifi. If you have the 5G wifi router, please mark sure it works in 2.4G if you want to use wifi to set up your camera.
- 2) Before you set up the wifi by the wifi smart configuration in FDT View App, please do not connect the Ethernet cable to you camera. Then there is voice prompt from the camera to show you the camera is waiting for wifi configuration.
- 3) All the camera in your LAN which is just reset and do not connect the Ethernet cable can set up at the same time by the Wifi Smart configuration in FDT View App.

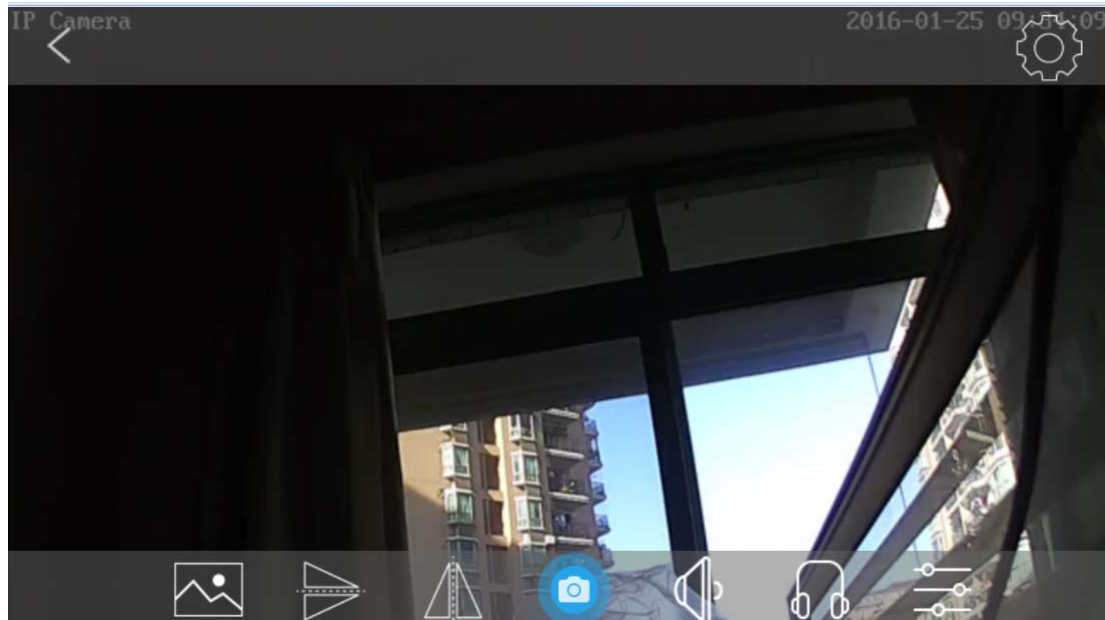


### 5.1.3 Scan the QR code in the bottom of the camera.




## 5.2 Liveviewpage


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.




1) 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.


2) **Flip** the View 

3) **Mirror** the Video 


4) Snap picture from the video and save it to your phone 

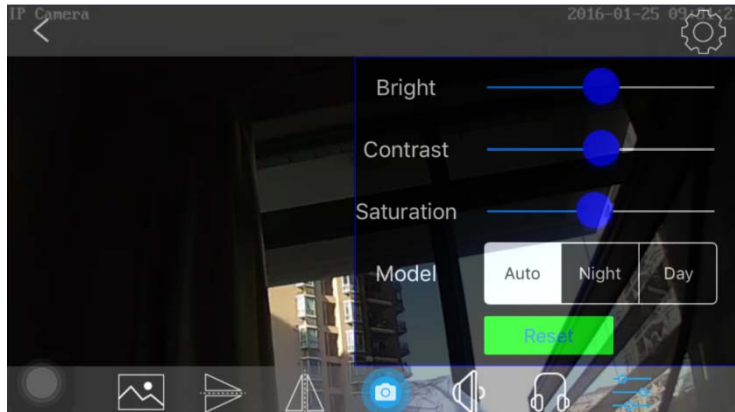
5) **Record video** by manual from the video and save it to your phone;

6) **Audio** from the camera 

7) **Talking** to the camera ; You can hear the voice from the camera or the audio out port by connecting a earphone.

8) 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. 

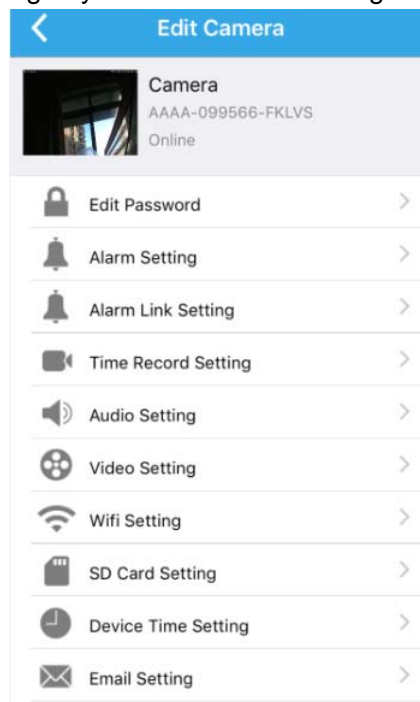


### 9) Exit

You can go back to the device list page by click the back icon.

### 10) Settings page

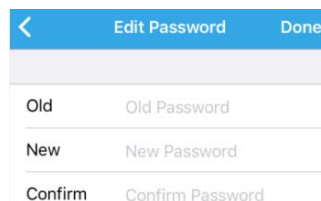
You can go to the settings page by click the icon of settings.



## 5.3 Settings pages

### 5.3.1 Edit Password

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

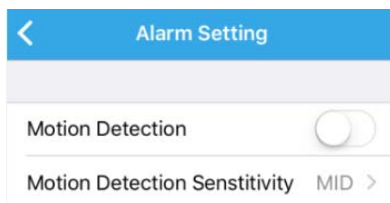


### 5.3.2 Alarm Settings

You can set the configuration about motion-detection alarm of the camera in this page,

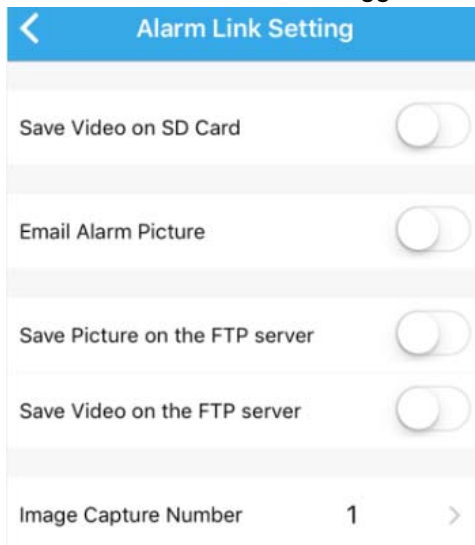


such as enable or disable the alarm, set the sensitivity of the motion-detection like low/medium/high.



### 5.3.3 Alarm link settings

You can enable the linked actions once the alarm is triggered in this page.



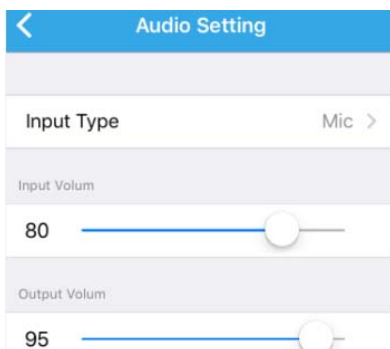
### 5.3.4 Timed recording settings

You can set the scheduled recording settings in this page.



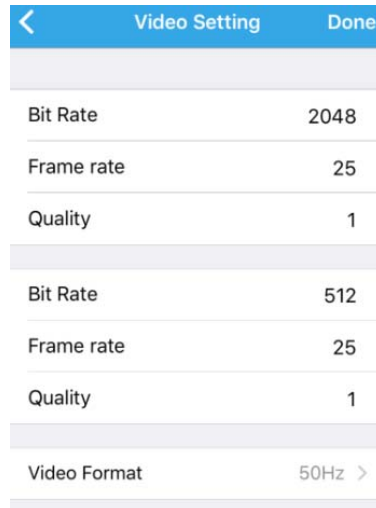
### 5.3.5 Audio settings

You can set the configurations for audio in this page.



### 5.3.6 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 screenshot shows a mobile application interface for video settings. At the top, there is a blue header with a back arrow on the left, the text "Video Setting" in the center, and "Done" on the right. Below the header, there are two identical sections for stream configuration. Each section contains three rows: "Bit Rate" with a value of "2048", "Frame rate" with a value of "25", and "Quality" with a value of "1". Below these two sections, there is a "Video Format" row with a value of "50Hz" and a right-pointing chevron. The background is white with light gray horizontal dividers.

Video Setting	
Bit Rate	2048
Frame rate	25
Quality	1
Bit Rate	512
Frame rate	25
Quality	1
Video Format	50Hz >

### 5.3.7 Wifi settings

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

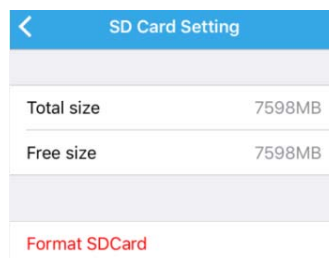


The screenshot shows a mobile application interface for wifi settings. At the top, there is a blue header with a back arrow on the left, the text "Wifi Setting" in the center, and "Done" on the right. Below the header, there are two sections. The first section is titled "Current Wifi" and contains one entry: "AMCRESTHK" with a right-pointing chevron. The second section is titled "Press To Join" and contains three entries: "smoothly" with signal strength "singal:100" and security "WPA\_AES", "AMCRESTHK" with signal strength "singal:100" and security "WPA2\_AES" (marked with a blue checkmark), and "Topway\_A9CC84" with signal strength "singal:94" and security "WPA AES". Each entry has a right-pointing chevron. The background is white with light gray horizontal dividers.

Wifi Setting	
Current Wifi	
AMCRESTHK	>
Press To Join	
smoothly singal:100 WPA_AES	>
AMCRESTHK singal:100 WPA2_AES	✓
Topway_A9CC84 singal:94 WPA AES	>

### 5.3.8 SD Card settings

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

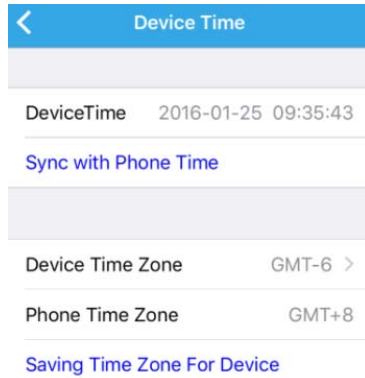


The screenshot shows a mobile application interface for SD card settings. At the top, there is a blue header with a back arrow on the left, the text "SD Card Setting" in the center, and "Done" on the right. Below the header, there are two rows: "Total size" with a value of "7598MB" and "Free size" with a value of "7598MB". Below these rows, there is a red button labeled "Format SDCard". The background is white with light gray horizontal dividers.

SD Card Setting	
Total size	7598MB
Free size	7598MB
<a href="#">Format SDCard</a>	

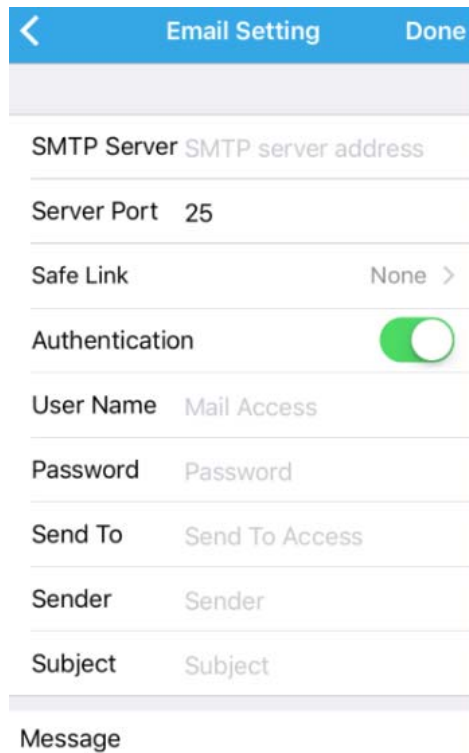
### 5.3.9 Device time settings

You can set the system time about the camera in this page.



### 5.3.10 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.



### 5.3.11 FTP settings

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

### 5.3.12 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.

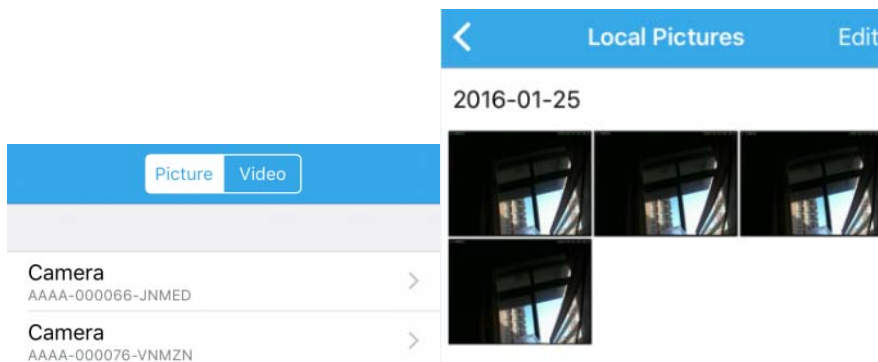
### 5.3.13 Device information

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

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

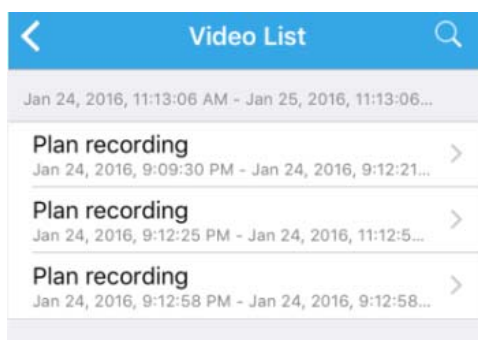
## 5.4 Local files page

You can browse the pictures and videos saved in your mobile device in this page. And you can edit these files as you need, such as delete it.




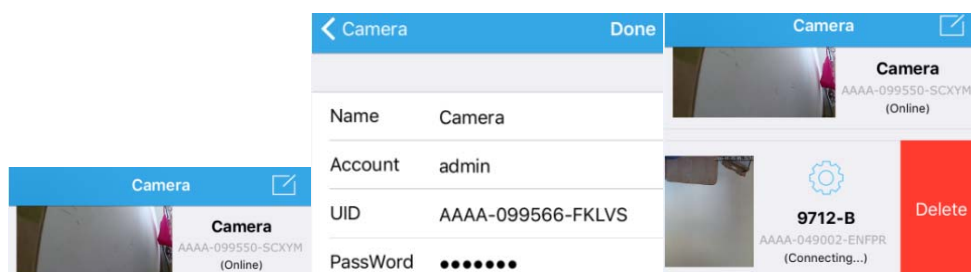
## 5.5 Playback page

in this page, you can browse the recording in the SD Card of the camera and playback it remotely.



## 5.6 Camera edit page

You can edit the login information of the camera by click , such as camera name, login username and password of the camera. You can also delete the camera and re-add it if you want.



## 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



The image shows two side-by-side panels of the FDT camera's web interface. The left panel is the login page, featuring the FDT logo at the top. It has three input fields: 'Username' with 'admin' entered, 'Password' (empty), and 'Language' with a dropdown menu set to 'English'. Below these is a 'Remember Pwd' checkbox and a red 'LOGIN' button. The right panel is the password change page, also with the FDT logo. It has three input fields: 'Username' with 'admin' entered, 'New Pwd' (empty), and 'Confirm Pwd' (empty). A blue 'Change Pwd' button is at the bottom.

**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 PT control

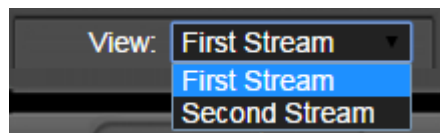


No.	Remark	No.	Remark	No.	Remark
1	Go to up	2	Go to right-up	3	Go to right
4	Go to right-down	5	Go to down	6	Go to left-down
7	Go to left	8	Go to left-up	9	Back to center

: Cruise for horizontal, from up to down.

: Cruise for vertical, from left to right

## 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 PT 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.

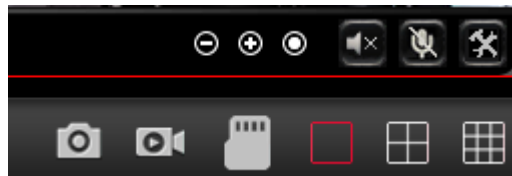
: Brightness.


: 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 forbid you to generate the folder in your computer, then you will be failed to snap pictures or record video through the web browser.

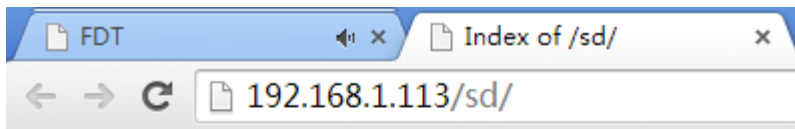


 (Only for IE/Firefox browser in windows): Capture pictures by manual.

 (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.




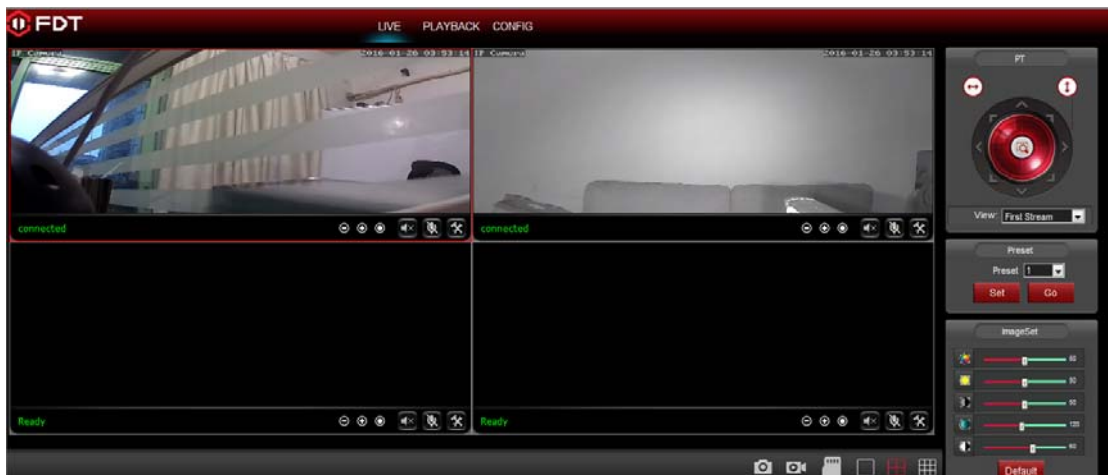
: This icon is for you to browser the content of the SD card in your camera, such as pictures or video recordings. You need to go through the authentication of the username/password of your camera to browser your SD card in the camera. You can also edit the contents in your SD card like delete files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



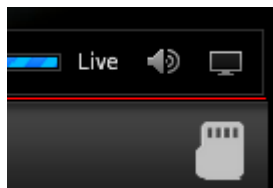
## Index of /sd/


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

 (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.

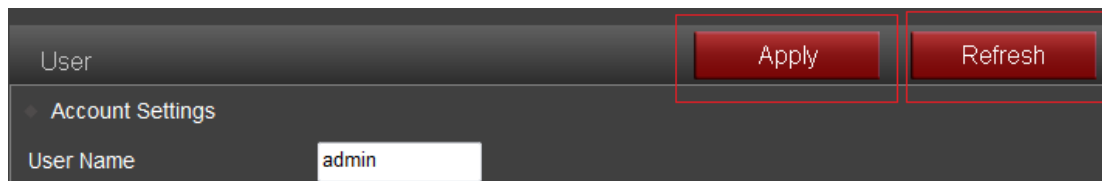
: Stop or close the playback process.

: 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.



User

Account Settings


User Name admin

Apply Refresh

## 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 Canada.



Video

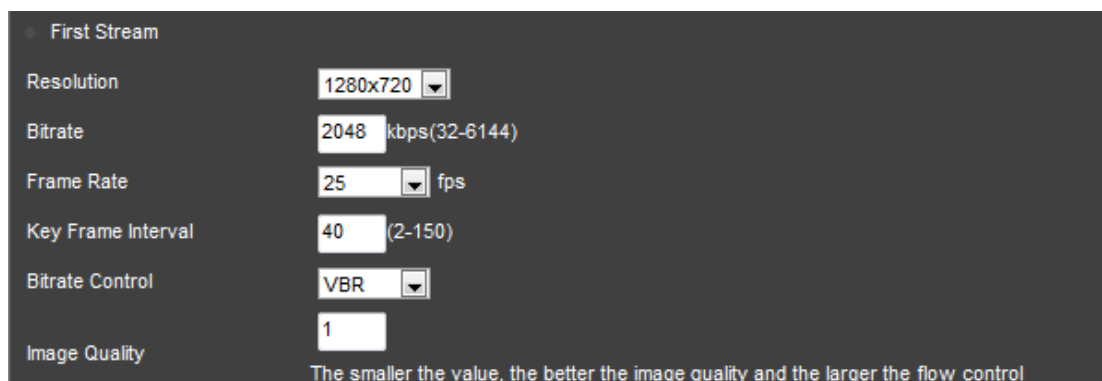
Video Setting

Video Format 50Hz

Video Coding Mainprofile

Apply Refresh

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.



First Stream

Resolution 1280x720

Bitrate 2048 kbps(32-6144)

Frame Rate 25 fps

Key Frame Interval 40 (2-150)

Bitrate Control VBR

Image Quality 1

The smaller the value, the better the image quality and the larger the flow control

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



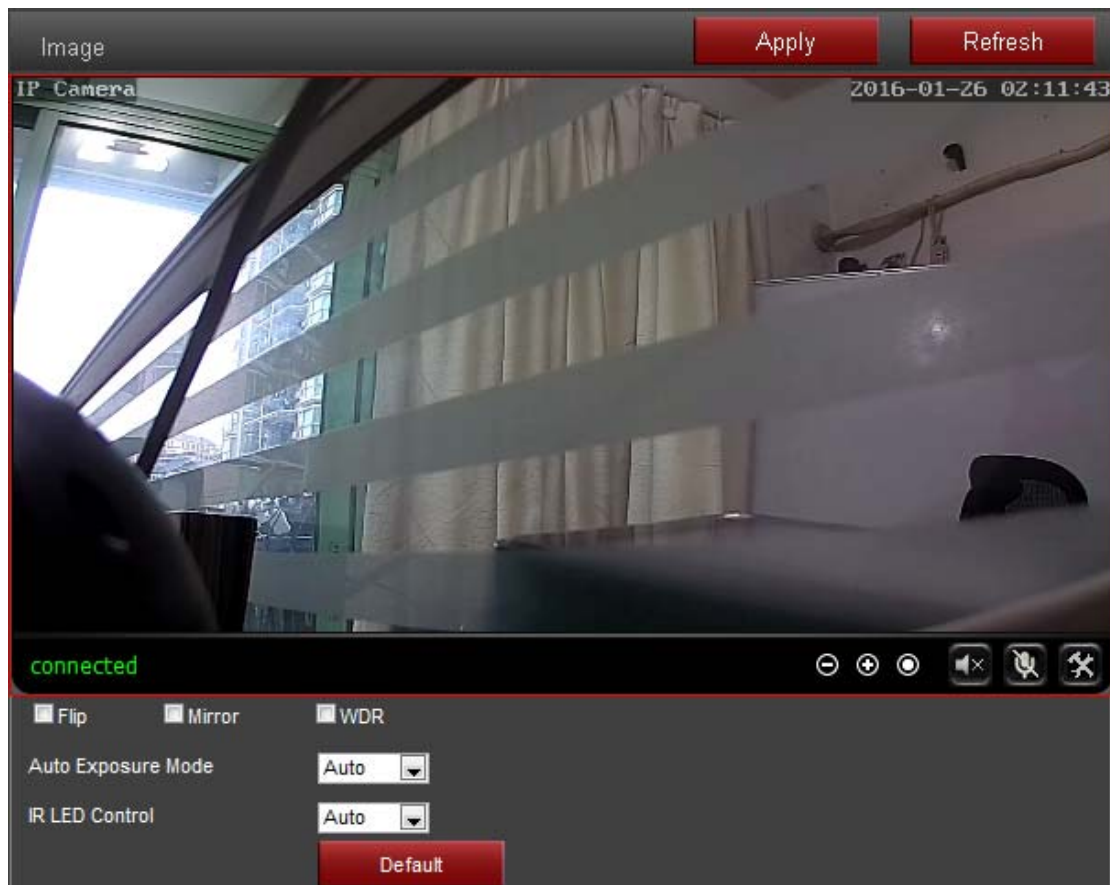
Time Stamp YES

Camera Name YES

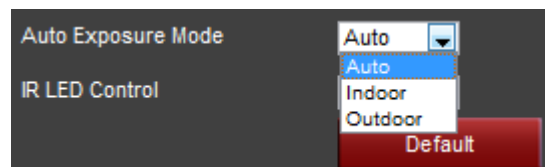
Camera Name IP Camera

### 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.

Audio
Apply
Refresh

- Audio Setting
- Audio type G711 ▾
- First Stream
- Enable Audio Enable ▾
- Second Stream
- Enable Audio Enable ▾
- Audio Input
- Input Type MIC In ▾
- Input Volume 80
- Output Volume 95

## 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

Network
Apply
Refresh

- LAN Settings
- IP Type DHCP ▾
- DNS Type DHCP ▾
- HTTP & RTSP & RTMP
- HTTP Port 80 (80 Or 1024~49151)
- RTSP Port 554 (554 Or 1024~49151)
- RTMP Port 1935 (1935 Or 1024~49151)
- RTSP Permissions Check Enable ▾

Note:After saving your settings please reboot the device!

### 2) Wireless

Here you can search the WIFI AP around your camera, then select and apply one of them to your camera.

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

Wireless Apply Refresh

Enable Wireless

SSID

Security Mode

WPA Algorithm

Key

Note: Do't support & = ' " \ %

Re-type key

Check Wireless Settings

Please click the apply button first then try again!

	Single	SSID	WPA Algorithm	Security Mode	Channel
<input type="button" value="Apply"/>	100	AMCRESTHK	AES	WPA2-PSK	6
<input type="button" value="Apply"/>	31	zhimi-airpurifier-v3_miap108b	NONE	OPEN	6
<input type="button" value="Apply"/>	31	Topway_A9CC84	AES	WPA-PSK	2
<input type="button" value="Apply"/>	26	smoothly	AES	WPA-PSK	1

Network Apply Refresh

LAN Settings

IP Type

IP Address

Subnet Mask

Gateway

DNS Type

Primary DNS

Secondary DNS

HTTP & RTSP & RTMP

HTTP Port  (80 Or 1024~49151)

RTSP Port  (554 Or 1024~49151)

RTMP Port  (1935 Or 1024~49151)

RTSP Permissions Check

Note: After saving your settings please reboot the device!

**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.

DDNS		Apply	Refresh
Internal IP Address	<input type="button" value="Query"/>	14.153.242.159	
3P DDNS	<input type="button" value="Enable"/>		
Server	<input type="button" 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="button" value="Enable"/> <input type="button" value="Enable"/> <input type="button" value="Disable"/>		

### 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.

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

### 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.

P2P		Apply	Refresh
P2P	<input type="button" value="Enable"/>		
UID	<input type="text" value="AAAA-099532-MYJCN"/>		

## 6.4.3 Alarm

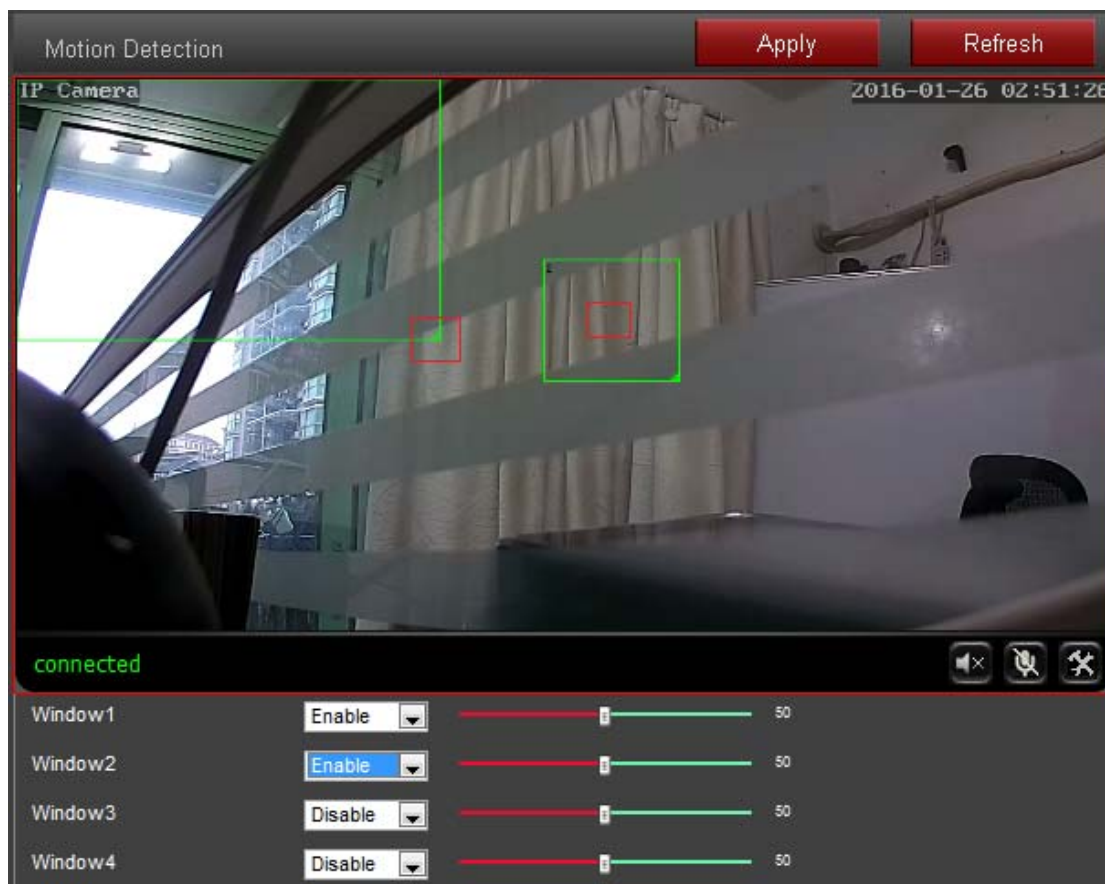
### 1) Audio Alarm

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.



Alarm Link Apply Refresh

Linkage Settings

Email alarm and send with picture

Save Picture to FTP

Save Video to FTP

Note: Please insert SD card first, or can't record to FTP!

Save Picture to SD card

Save Video to SD card

Preset

Preset

Capture Image

Capture Image

#### 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.

Schedule Apply Refresh

	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	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red
MON	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red
TUE	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red
WED	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red
THU	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red
FRI	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red
SAT	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red

#### 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.

User Apply Refresh

Account Settings

User Name

Password

Confirm Password

##### 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.

Auto Snap Apply Refresh

Save Picture to SD card   s

Save Picture to FTP   s

### 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.

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

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.

Email

SMTP Server	<input type="text"/>
Port	<input type="text" value="25"/>
Authentication	<input type="text" value="None"/>
Authentication Status	<input type="text" value="Enable"/>
User Name	<input type="text"/>
Password	<input type="password"/>
Send to	<input type="text"/>
Sender	<input type="text"/>
Subject	<input type="text"/>
Message	<input type="text"/>
SMTP Test	<input type="button" value="Test"/>

Please click the apply button first then try again!

### 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.

FTP

Server	<input type="text" value="192.168.1.107"/>
Port	<input type="text" value="21"/>
User Name	<input type="text" value="martin"/>
Password	<input type="password" value="•••••"/>
Passive Mode	<input type="text" value="Enable"/>
Path	<input type="text" value="./FDT"/>
FTP Test	<input type="button" value="Test"/>

Please click the apply button first then try again!

### 6) PTZ

Here you can set the configurations about PT 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 PT.

PTZ		Apply	Refresh
Cruise Cycles	<input type="text" value="50"/> (1-50)		
PTZ Speed	Medium ▾		
Return to center preset	Disable ▾		
Disable alarm while PTZ in motion	Enable ▾		
Indicator Display Mode	Indicator light on ▾		

### 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.

Multiple Setting		Apply	Refresh
LAN Search	122-9712(192.168.1.101)		
	IPCAM(192.168.1.113)		
			Refresh
The 1st device			
The 2nd device			
OSD Name	<input type="text" value="122-9712"/>		
IP Address	<input type="text" value="192.168.1.101"/>		
HTTP Port	<input type="text" value="80"/>		
User Name	<input type="text" value="admin"/>		
Password	<input type="password" value="••••••"/>		



### 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.

Privacy Mask Apply Refresh

IP Camera 2016-01-26 03:55:04

connected [-] [+] [0] [x] [m] [w]

Window1	<input type="button" value="Enable"/>	Color: 000000	Note:000000 is Black, FFFFFFFF is White!
Window2	<input type="button" value="Disable"/>	Color: 000000	Note:000000 is Black, FFFFFFFF is White!
Window3	<input type="button" value="Disable"/>	Color: 000000	Note:000000 is Black, FFFFFFFF is White!
Window4	<input type="button" value="Disable"/>	Color: 000000	Note:000000 is Black, FFFFFFFF is White!

## 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.

Time Apply Refresh

Time Settings

Device Date 2016-01-26 03:58:14

Adjust

NTP

NTP Server time.windows.com

Interval 1 h

Time zone Central Standard(US and Canada), Mexico City

DST

Sync PC Time

## 2) Maintenance

Maintenance			
Reboot	<input type="button" value="Reboot"/>		
Factory Default	<input type="button" value="Factory Default"/>		
Backup Configuration	<input type="button" value="Backup"/>		
Restore Configuration	<input type="text"/>	<input type="button" value="Browse . ."/>	<input type="button" value="Import"/>
Upgrade	<input type="text"/>	<input type="button" value="Browse . ."/>	<input type="button" value="Upgrade"/>

**Reboot:** reboot the camera.

**Factory Default:** restore the camera settings to the factory default settings.

**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 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

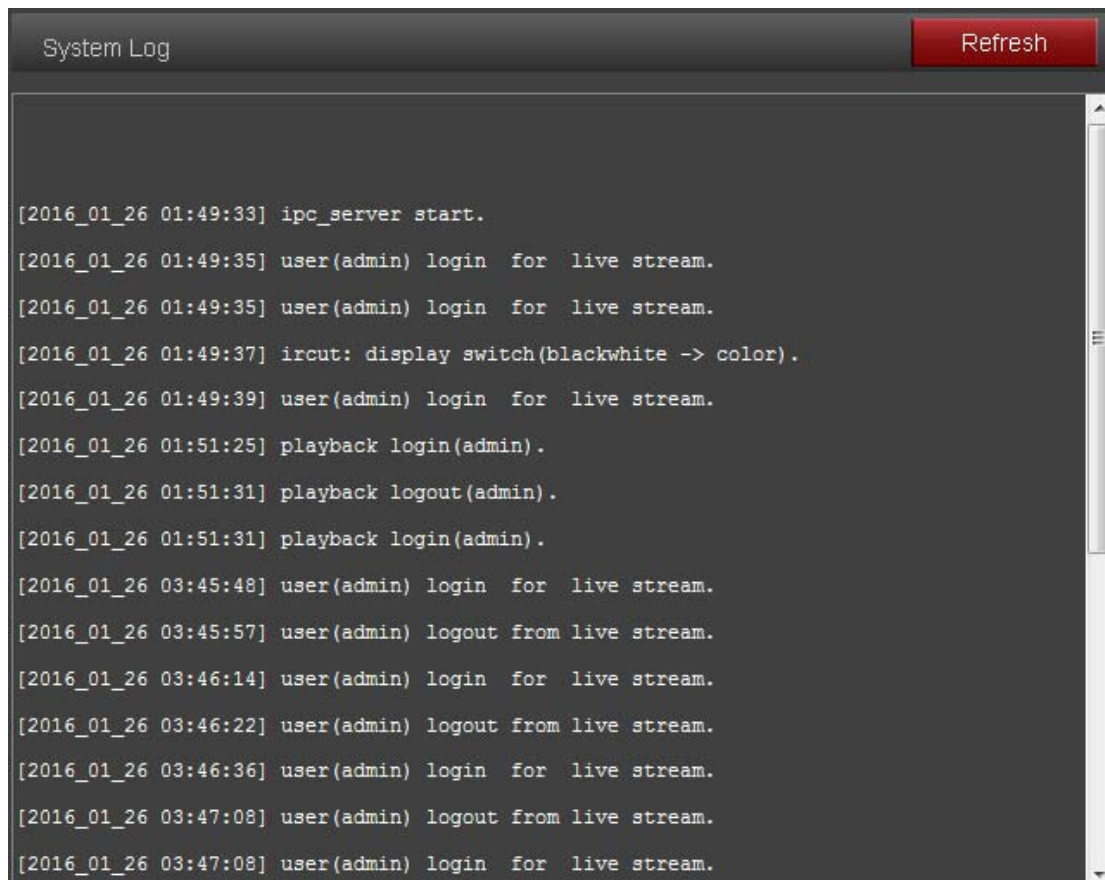
Here you can query and check the main information and status of the FDT camera, including the name, time, IP, firmware version, DDNS and UPnP status, and the SD card left space.

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.

Device Information		<input type="button" value="Refresh"/>
Device Name	<input type="text" value="IPCAM"/>	
Device Type	<input type="text" value="C6F0SeZ0N0P0L0"/>	
Network Connection	<input type="text" value="LAN"/>	
Current Client	<input type="text" value="2"/>	
Software Version	<input type="text" value="V7.1.4.1.7"/>	
Mac Address	<input type="text" value="00:E0:F8:03:E9:00"/>	
IP Address	<input type="text" value="192.168.1.113"/>	
Subnet Mask	<input type="text" value="255.255.255.0"/>	
Gateway	<input type="text" value="192.168.1.1"/>	
Primary DNS	<input type="text" value="192.168.1.1"/>	
Secondary DNS	<input type="text" value="0.0.0.0"/>	
UPnP Status	<input type="text" value="failed"/>	
Main DDNS Status	<input type="text" value="off"/>	
Start Time	<input type="text" value="2016-01-26 01:49:02"/>	
SD Card Status	<input type="button" value="Format"/>	<input type="button" value="Open"/> <input type="text" value="6198528"/>

#### 4) System Log

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



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

```
[2016_01_26 01:49:33] ipc_server start.
[2016_01_26 01:49:35] user(admin) login for live stream.
[2016_01_26 01:49:35] user(admin) login for live stream.
[2016_01_26 01:49:37] ircut: display switch(blackwhite -> color).
[2016_01_26 01:49:39] user(admin) login for live stream.
[2016_01_26 01:51:25] playback login(admin).
[2016_01_26 01:51:31] playback logout(admin).
[2016_01_26 01:51:31] playback login(admin).
[2016_01_26 03:45:48] user(admin) login for live stream.
[2016_01_26 03:45:57] user(admin) logout from live stream.
[2016_01_26 03:46:14] user(admin) login for live stream.
[2016_01_26 03:46:22] user(admin) logout from live stream.
[2016_01_26 03:46:36] user(admin) login for live stream.
[2016_01_26 03:47:08] user(admin) logout from live stream.
[2016_01_26 03:47:08] user(admin) login for live stream.
```

## **7 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