

# **IP Camera User Manual**

Dear Customer:

Thanks for your purchase of our products. If you have any questions or suggestions, please contact us any time.

This User Manual applies to all of our series Network Camera.

This manual may contain inaccuracies technical, or function and operation or printing errors. Products function will be updated regularly.

We will update information in our new version of User Guide, without prior notice.

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# 1. Product Introduction

All series HD IP Camera applies H.264 encode format, output 30fps resolution video, surveillance the details. Image will be Clear and

## 2. Software Installation & Uninstall

### 2.1 Operation Environment

➤ Operating System: Microsoft Windows 7/Windows 2008 (support 32/64bit system),

Windows 2003/Windows XP/Windows 2000(support 32bit System)

➤ CPU: Intel Pentium IV 3.0 GHz

➤ Memory:  $\geq 1\text{G}$

➤ Monitor: support  $1024 \times 768$  or better definition

➤ DirectX7.0

Note: If you want to visit many channels of video, your PC need equipped with better hardware

### 2.2 Product Feature

➤ Built-in HD Filter, Day & Night surveillance

➤ Dual-code stream system

➤ Motion Detection Alarm

➤ Privacy Masking

➤ SD Card recording function(Optional), Talkback, Alarm

➤ Provide SDK, easy for management

➤ The Latest ONVIF protocol interface

## 2.3 ActiveX Installation



Open IE Explorer, input IP Address of Device. You will enter into below page (image 2.1). You need install the ActiveX.

Image 2-1

Install the ActiveX tool, and input User Name, Password. Default Username & Password : admin), login the Live view interface.

**Tip: IE Explorer Version:IE6-IE11**

## 3. Interface Specification

### 3.1 Live View

Enter into IE interface and login. You can check the real time video. the Default image stream is Mainstream code. Video type selectable: Streaming type / Protocols fluent / real time. (As Image 3-1)

Streaming type: setup the real time view stream type(Main stream/Sub stream)

Protocols: Select protocols type: TCP or UDP.

Fluent or Real time: Select the video quality: fluent video or real time video

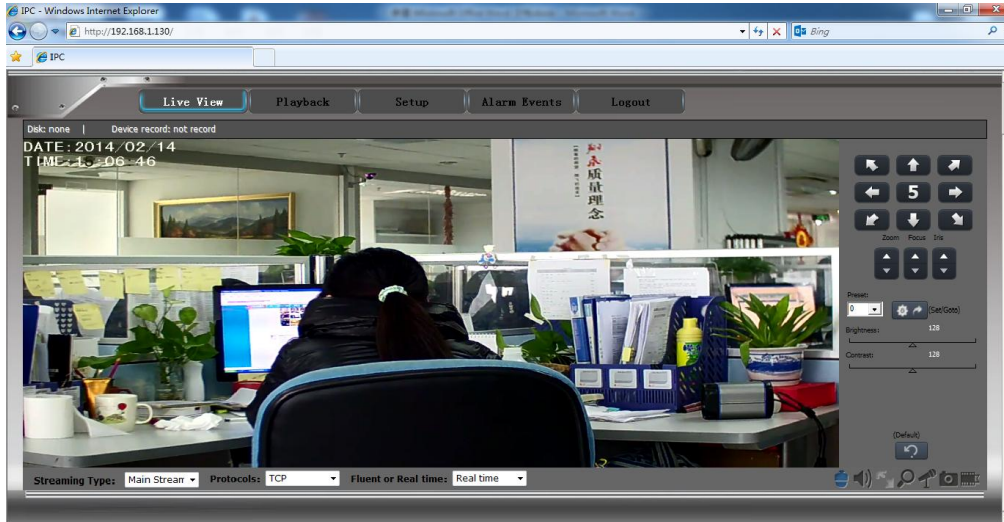










Image 3-1


### 3.2 Tool Bar Description





No.	Picture	Description
1		PTZ Control
2		Turn ON or OFF Audio function
3		Full screen view
4		Digital Zoom function
5		Enable Two Way speak function
6		Capture
7		Recording


 PTZ Control: Click to setup the Pan / Tilt speed, Focus, Presets, or Brightness, etc.


 Audio: Enable or turn OFF Audio function

 Full Screen: Real time view image will shown in full screen.

 Digital Zoom: Select the area you want to Zoom In. Right-click for Zoom Out function

 Talkback : Enable or turn OFF Talkback function.

 Capture: Click to capture images and save to default folder

 Recording: Click to recording video and save to default folder

### 3.3 Playback

Click “Playback” and enter to interface (as Image 3-2).Select the record type and query date, the device will search out related files. Double-Click to playback recording video.

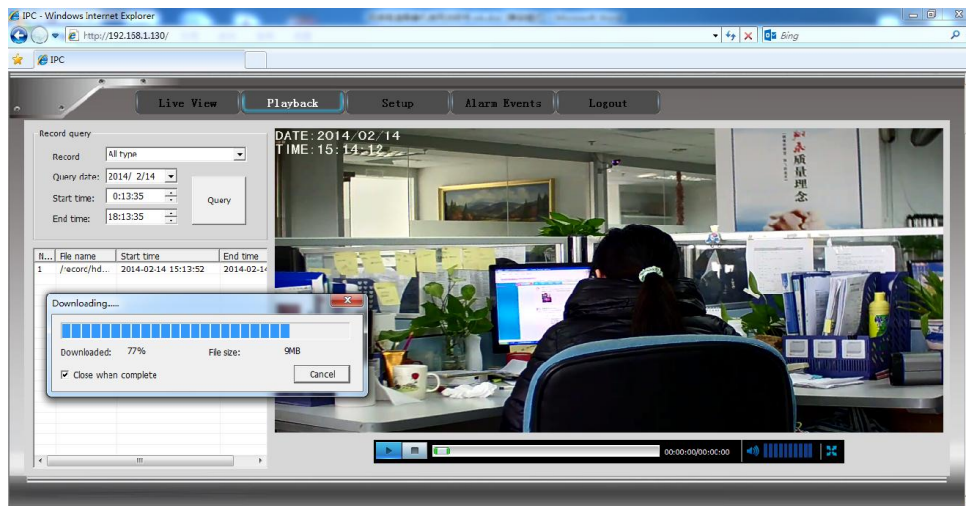


Image 3-2

The recording video can be Pause. Direct click progress bar to control the video progress. Video volume is adjustable.

**Record Download:** select the record you want to download, Right-click to download.

Note: 1.Only the SD Card / Hard Disk recording files can be download.

2. Only SD Card recording video support playback function.

3. Device supports 64GB SD Card (Max.).

## 3.4 Setup

Click “Setup”, enter to interface as Image 3-3

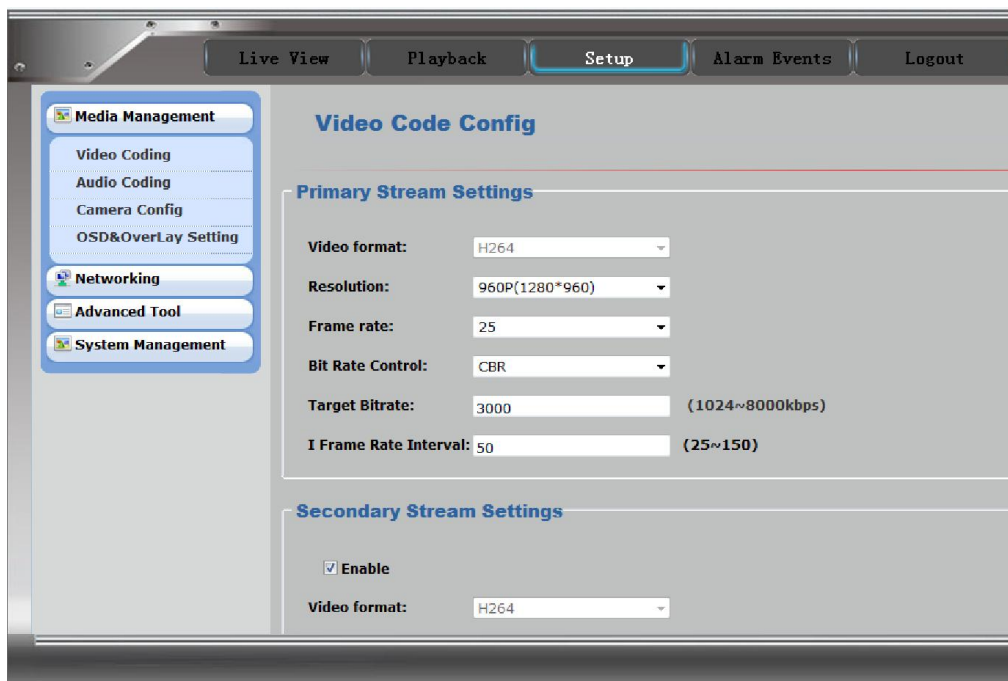
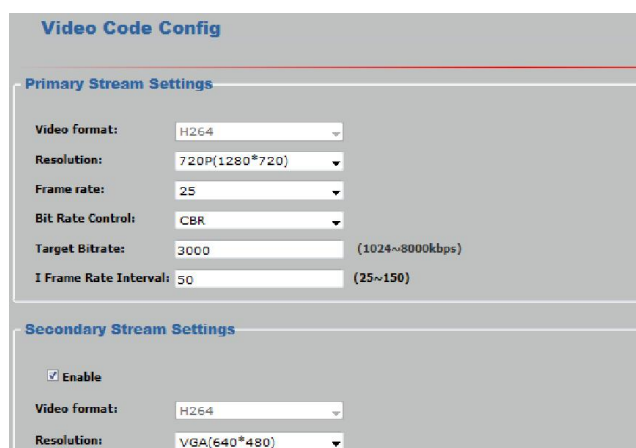


Image 3-3

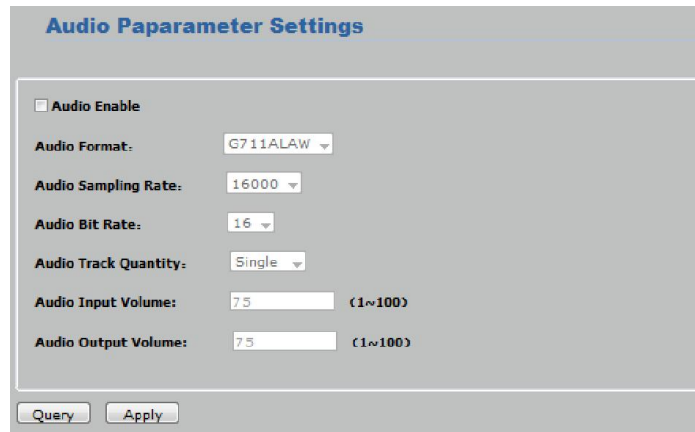
### 3.4.1 Media Management

Click “Media Management” enter into interface as below:



**Video Code Config** : Click to setup stream type. Primary Stream Settings: Resolution, I Frame Rate Interval (25-150)、Frame Rate (1-30)、Target bitrate (Primary: 1024-8000kbs、Secondary: 128-4000kbs)





**Audio Parameters Settings:** Click “Audio Enable”, you can setup the parameters.(Audio Format, Sampling Rate, input volume, etc.) ( External Audio device needed ) .

**Note: Audio Format: PCM、G711ALAW、G711ULAW**

**Audio Sampling Rate:8000、16000. Input /Output Volume(1-100 level)**

**Camera Config:** The main interface as below.(Image 3-4)

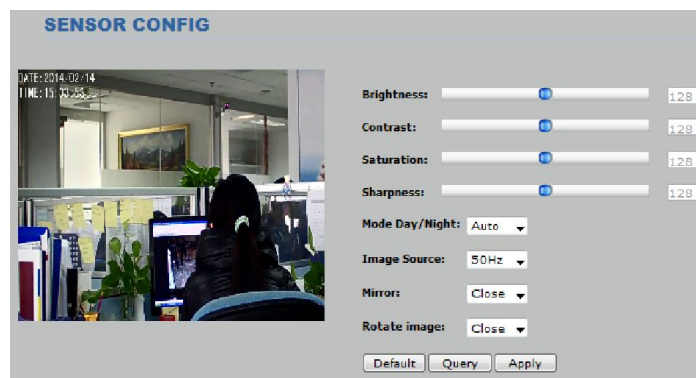


Image 3-4

**Sensor Config :** Adjust the parameters to get best quality image(Brightness,)

**Day & Night:** Three mode selectable Auto/Day/Night. Under Auto mode, the camera will change the image quality automatically, based on the light condition.

**Flicker Frequency Control:** 50HZ/60HZ selectable. Please adjust it based on your local situation.

**Mirror Image Switch:** Enable or Forbid the Mirror Image function.

**Reversal:** Enable or Forbid the reversal Image function.

Click “Query” to check the parameters of device. “Default” for Restore to Factory Default.

**OSD & Mask Settings:** Select OSD function. Display region of Device Title & Time can be settable. (As Image 3-5)

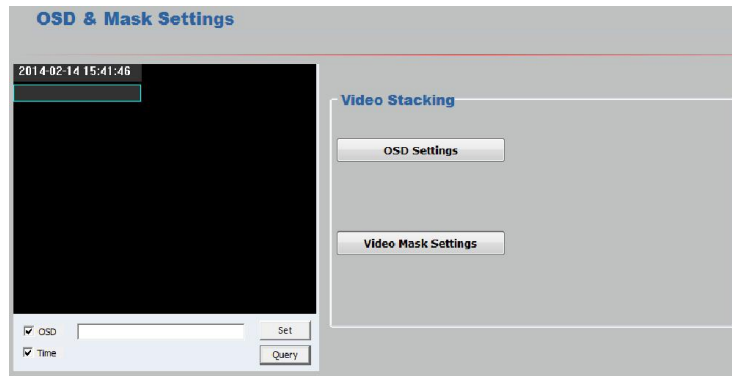


Image 3-5

**Video Mask Setting:** Click “Video Mask Settings” enter to the main interface as below(Image 3-6)

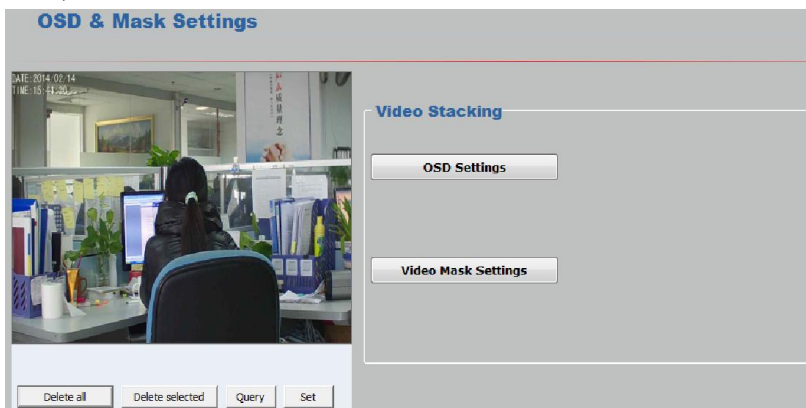


Image 3-6

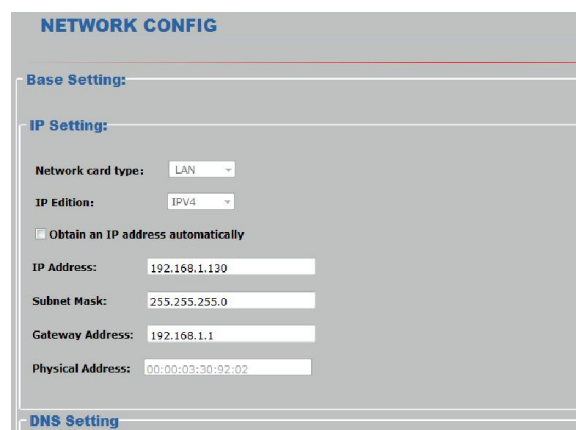
Select one region on the image, click “**Set**” to save this setup.

Click “**Query**” to check the selected masking region ;

Click “**Delete All**” to delete all Masking regions.

Or select one region, and click “**Delete Selected**”.

### 3.4.2 Network Config



TCP/IP Setting : Enable or close the DHCP function. If close the DHCP, you can manual setup the Device's IP Address、 Subnet mask、 Gateway Address & DNS Settings.

The screenshot shows a configuration page titled "network connection port management". It contains four input fields: "TCP port:" with the value "9060" and a range "(9000~10000)", "HTTP port:" with "80", "RTSP port:" with "554", and "Onvif Port:" with "8080". Below these fields is a warning message: "Attention: Do not use repeated port configuration!". At the bottom are "Query" and "Apply" buttons.

Network connection port: Setup TCP /HTTP /RTSP /Onvif Port

**Note:** Port configuration need avoid same port

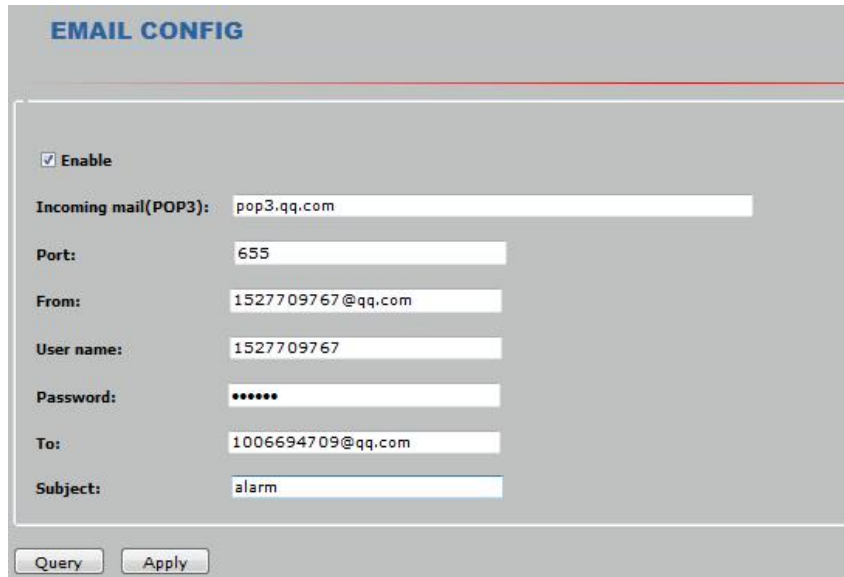
The screenshot shows two configuration sections. The top section is "PPPOE Config" with a checkbox for "PPPOE Dial-up:" which is unchecked. Below it are fields for "PPPOE Account:", "PPPOE Password:", and "status:" with the value "000.000.000.000". The bottom section is "DDNS Config" with a checkbox for "DDNS Enable" which is unchecked. Below it are fields for "Domain Name:", "Domain user:", and "Domain Password:". At the bottom are "Query" and "Apply" buttons.

PPPOE Config : Click PPPoE Dial-up and setup Account & Password. After this step, PPPOE function will enabled.

The screenshot shows a configuration page titled "FTP CONFIG". It has a checked checkbox for "Ftp enable". Below are fields for "UserName:" with the value "jingshiufo", "Password:" with masked characters "\*\*\*\*\*", and "Server:" with the value "ftp://192.168.1.100:21/myflod". An example URL "Example: ftp://192.168.0.100:21/myflod" is shown to the right. At the bottom are "Query" and "Apply" buttons.

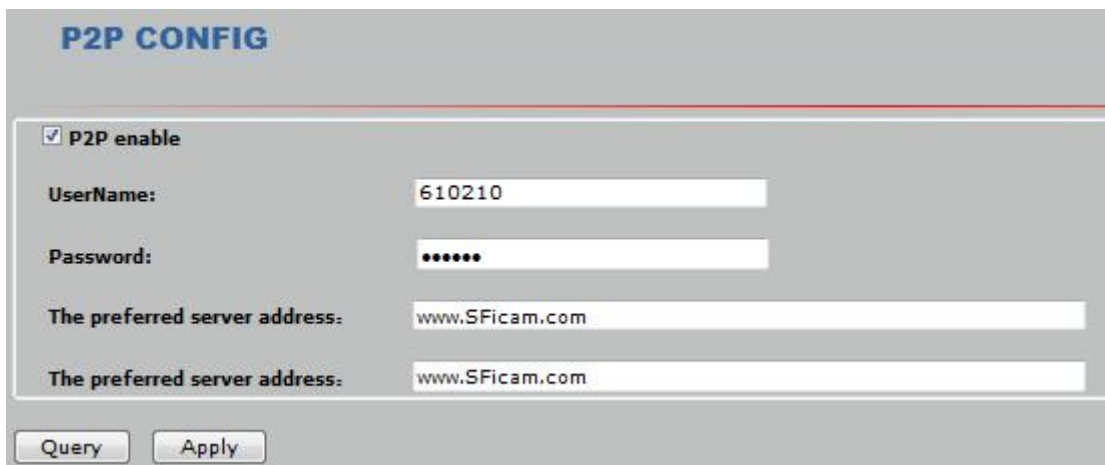
**FTP Config:** support Alarm Action to upload FTP Image (if Alarm activated, the

device will capture images of the Event) .Setting the FTP Config Server Address, and Login . Activate the Alarm Action function.



The screenshot shows the 'EMAIL CONFIG' web interface. It features a header with the title 'EMAIL CONFIG' in blue. Below the header, there is a section with a checked checkbox labeled 'Enable'. The form contains several input fields: 'Incoming mail(POP3):' with the value 'pop3.qq.com', 'Port:' with '655', 'From:' with '1527709767@qq.com', 'User name:' with '1527709767', 'Password:' with masked characters '\*\*\*\*\*', 'To:' with '1006694709@qq.com', and 'Subject:' with 'alarm'. At the bottom of the form, there are two buttons: 'Query' and 'Apply'.

**E-mail Config** : Click to setup Email function.



The screenshot shows the 'P2P CONFIG' web interface. It features a header with the title 'P2P CONFIG' in blue. Below the header, there is a section with a checked checkbox labeled 'P2P enable'. The form contains several input fields: 'UserName:' with the value '610210', 'Password:' with masked characters '\*\*\*\*\*', 'The preferred server address:' with 'www.SFicam.com', and another 'The preferred server address:' field also with 'www.SFicam.com'. At the bottom of the form, there are two buttons: 'Query' and 'Apply'.

**P2P Mobile phone surveillance:** Enable the mobile phone remote view function. Detailed steps please refer to **SFicame User Manual**..

### 3.4.3 Advanced Tool

The screenshot shows a web-based configuration interface titled "PTZ and serial port configuration." It is divided into two main sections: "PTZ Setting" and "PTZ Protocol".

**PTZ Setting:**

- Enable PTZ
- Baud rate: 2400
- Data Bit Count: 8
- Stop Bit Count: 1
- Parity: No check

**PTZ Protocol:**

- Protocol: Pelco D
- PTZ address: 1 (0~255)

At the bottom of the interface are two buttons: "Query" and "Apply".

**PTZ Setting:** Click to setup PTZ control function.

The screenshot shows a web-based configuration interface titled "TIME CONFIG". It is divided into two main sections: "Device date,time setting" and "Device verify timing".

**Device date,time setting:**

- Set the Local Time: 2014 - 02 - 14 15 : 58 : 04
- Buttons: "Get PC's Datetime" and "Manual setting"

**Device verify timing:**

- The manner of capturing time: Capturing time via NTP server
- Time Zone: (GMT-12:00) International Date Line West
- Timing Address: [Empty text box]

At the bottom of the interface are two buttons: "Query" and "Apply".

**Time Setting:** Camera time setting. Local & NTP time adjustment.

### Motion detection setup

**Basic setup**

Alarm enable

Sensitivity:  (1~9)

Alarm duration (S):  (10~30)

Motion detection area setup:

weekly :  Monday  Tuesday  Wednesday  Thursday  Friday  Saturday  Sunday

**Alarm time range setup:**

StartTime 1:  EndTime 1:

StartTime 2:  EndTime 2:

StartTime 3:  EndTime 3:

StartTime 4:  EndTime 4:

**Motion Detection** : Click “Alarm enable” (support 4 motion detection areas )

### Alarm detector setup

**Basic setup**

Alarm enable

Signal type:

Alarm duration time (S):  (10~30)

weekly :  Monday  Tuesday  Wednesday  Thursday  Friday  Saturday  Sunday

**Alarm time setup:**

StartTime 1:  EndTime 1:

StartTime 2:  EndTime 2:

StartTime 3:  EndTime 3:

StartTime 4:  EndTime 4:

**IO Alarm Setup:** If IO Alarm function enabled, Alarm event will be recorded.

### Disk & record management

**Disk management**

Disk number:  Disk Name:

Partition Nu...	Partition total volume	Partition leavings volume	Partition state	
1	1	29.50GB	28.25GB	Is being used

**Disk Management:** Click to Check or setup the SD Card.

**Record Setting**

**Basic Setting**

Cover Auto

Record Stream:

**Record Plan Setting**

Time Record Function

weekly :  Monday  Tuesday  Wednesday  Thursday  Friday  Saturday  Sunday

**Setting time bucket:**

StartTime 1:  EndTime 1:

StartTime 2:  EndTime 2:

StartTime 3:  EndTime 3:

**Record Setting :** click to setup the record stream, record plan.

**User Management**

This Page Display the Password Information

Index	User name	Enable	Note	Modify	Delete
1	admin	Enable			

**User Management:** Click to Add or Delete User information.

**Note:** **Administrator user** information can not be modified. **Common User** or **Visitor User** information can be editable based on your requirements.

**Note:**

1. If Motion Detection function enabled. The Device image will change to red color and flicker; you can check the alarm event at the live view page.
2. Recording function enabled, Device's icon in the Status bar will change to Yellow color and flicker.
3. Right-click Device to delete Alarm function.

### 3.4.4 System Management



**System update:** you can select the files and click “Remote Upgrade”.

After the upgrade finished, click confirm to restart device.



**Reboot Device:** Click to Reboot device

**Restore Factory Default:** Click to setup device function, the device will restore to factory default

**Backup & Recovery:** Click to “Backup” to Save all the setting parameters of device. Click “Recovery” back to default version

**Version Information:** Click to check version info of device (Version Number, web version, Created Date).

**Log Management:** select the log type and time period. Click to check the related log information., you can save the log to PC.

**Local Parameters Setting:** Click to save or modify the Captured images or recording files.



### 3.5 Alarm Events

When you setup the Alarm function, if activate alarm , all the alarm events will be recording. It will show in Red color information, Click Alarm Message to check all the Alarm Event(as Image 3-7)

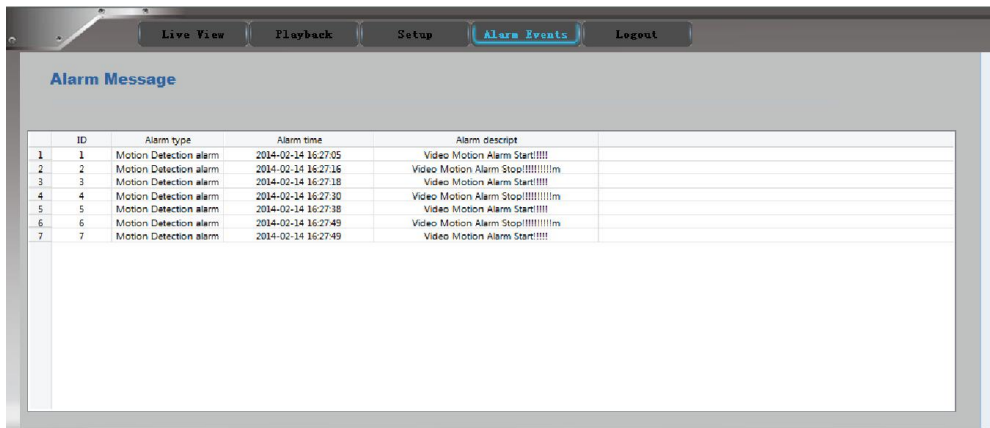


Image 3-7

### 3.6 Logout

Click Logout, will back to Login page. If you input Username and Password, it will enter to live view page again.