

# USER MANUAL

## 8000 Series Network Camera

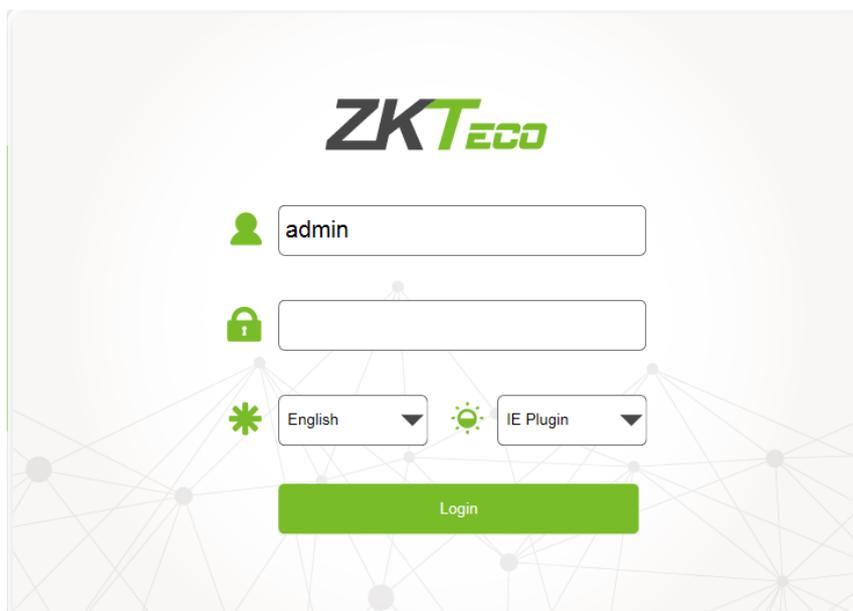
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Version: 1.1

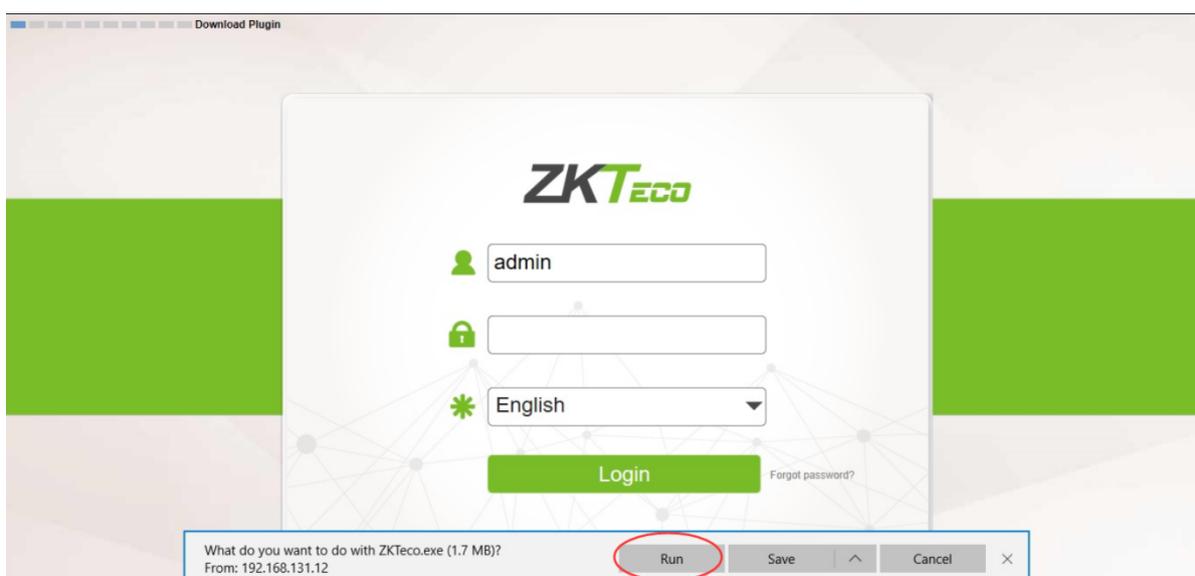
Date: December 2018

# 1 Login Interface

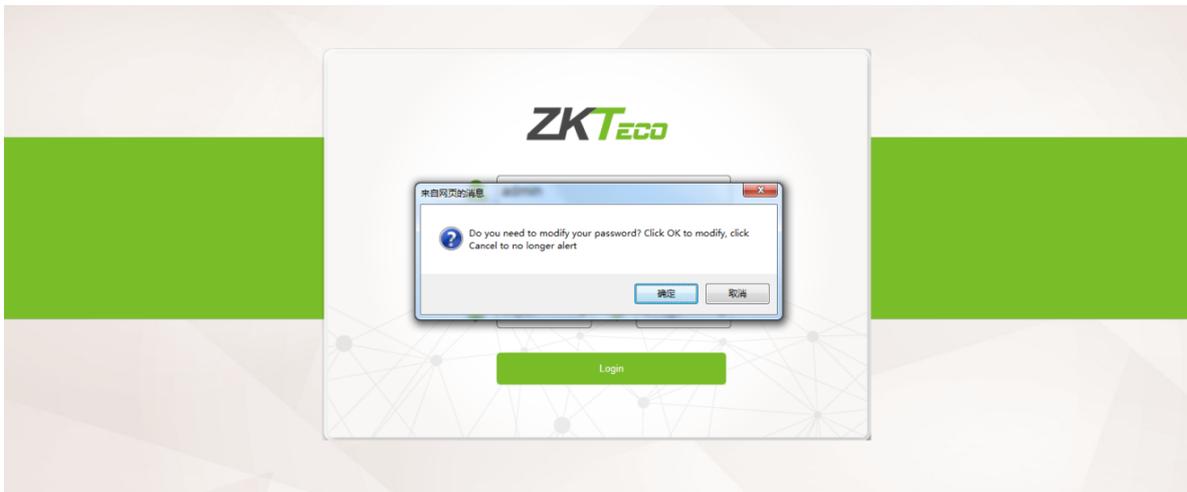
Input the IP address of the front-end device in the IE browser (the default IP address is 192.168.1.86) to access the login interface as shown in the following picture:



When using the IP camera for the first time, you must install the Active X in advance. Click on the "Download Plugin" on the upper left corner of the login interface as shown in the figure below to download and install Active X; the system will then pop up an installation control message. Click on "Run" and install ActiveX according to prompts.



After installing Active X, click on “Login”, then the system will prompt a message asking whether or not to change the password, as shown in the following figure:



**User Name:** admin (default setting).

**Password:** 123456 (default setting); users may modify the password according to the instructions.

**Plugin Type:** IE plugin or Flash plugin. If you use IE browser, please select IE Plugin. If you use other browsers, select Flash plugin. (☺ **Note:** Select Flash plugin without installing Active X).

**Language:** English, simplified Chinese.

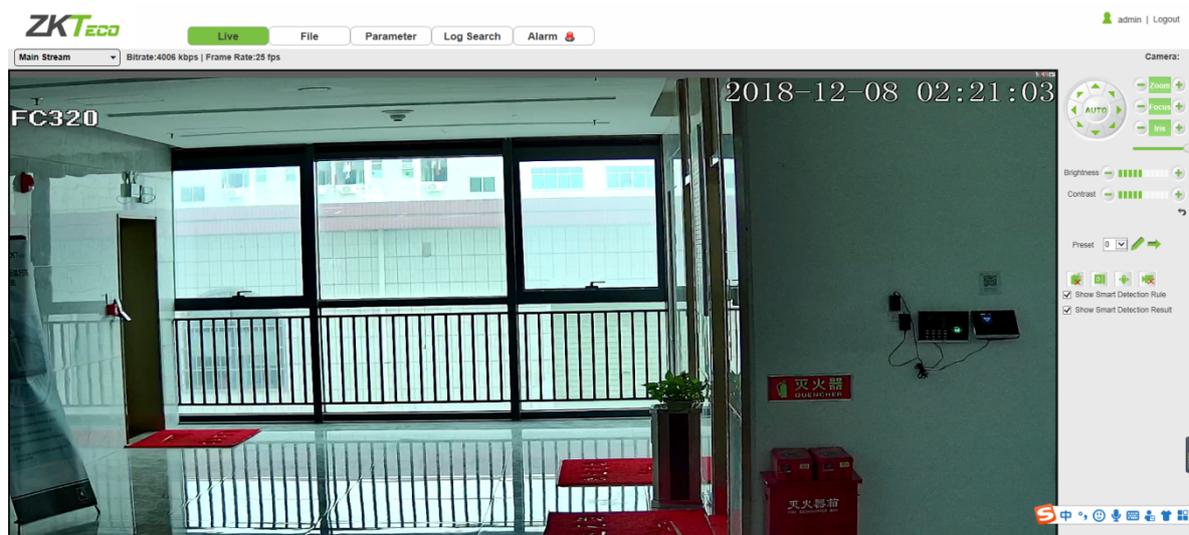
☺ **Note:** if a user forgets his/her password, one may click on [Forgot password?](#), then the following window will pop up. The default user name is “admin”. Click on “Next” to restore the password to factory settings according to the prompt.

The image shows two screenshots of the password reset process. The top screenshot is titled "password reset" and contains a single text input field for "Username:" with a "Next" button and a "Back" button below it. The bottom screenshot is also titled "password reset" and contains four text input fields: "Username:" (with "admin" entered), "Serial No:" (with "02d20123da3ebf9ea514" entered), "Unique Identifier:" (with "Ay73J7eqN9S18tvE" entered), and "Reset Info:". Below these fields is a red warning message: "Warm Tips: Please contact the manufacturer to provide relevant information for reset information!". At the bottom of this form are "Save" and "Back" buttons.

## 2 Live Videos

After logging in, you will enter the live video interface, as shown in the following figure.

☺ **Note:** You have to insert a TF card first to access the full function display interface; otherwise, the system will only show you the simplified version.

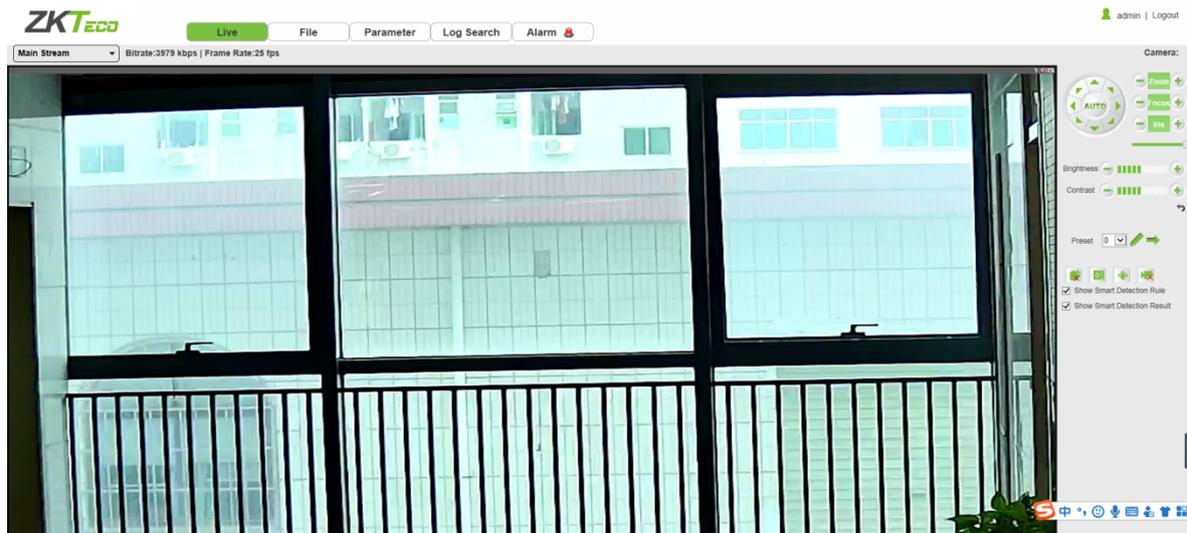


### 2.1 Full-screen Preview

Click on the full-screen icon  in the lower right corner to get a full-screen preview. Or, you may right-click to access (and exit) the full screen display on the preview interface

### 2.2 Electronic Zoom-in

You may zoom in the preview image by scrolling the mouse wheel, as shown in the following figure:



## 2.3 PTZ control



**PTZ Control:** To use eight directional keys to change the image orientation or click on the “AUTO” button to allow auto-rotation.

**Zoom In/ Out:** To adjust the extent of zooming in or out.

**Focus:** To adjust the size of focus.

**Iris:** To adjust the size of aperture.

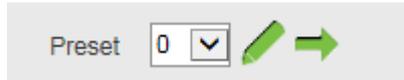
**Speed:** To use the slider to regulate the PTZ speed.



**Brightness:** To adjust the brightness of the screen.

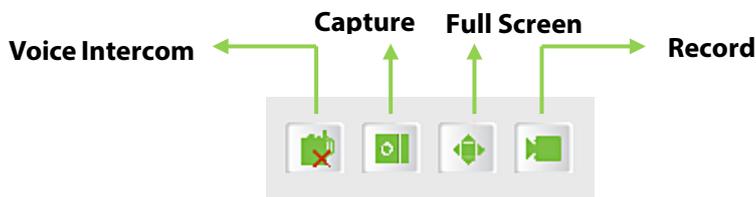
**Contrast:** To adjust the contrast of the screen.

The  arrow is used to restore factory settings



**Set a Pre-set Point:** Set a pre-set point by using directional keys on the PTZ control to rotate the camera to the desired location, then select a pre-set value from the pre-set point drop-down list, and then press the  button.

**Call a Pre-set Point:** Call a pre-set point by selecting a pre-set number to be called from the pre-set point drop-down list, and then press the  button.



**Voice Intercom:** To enable or disable voice intercom.

**Capture:** To take screenshots. Click on the icon, the system will pop up a storage path automatically.

**Full Screen:** To display full-screen video preview.

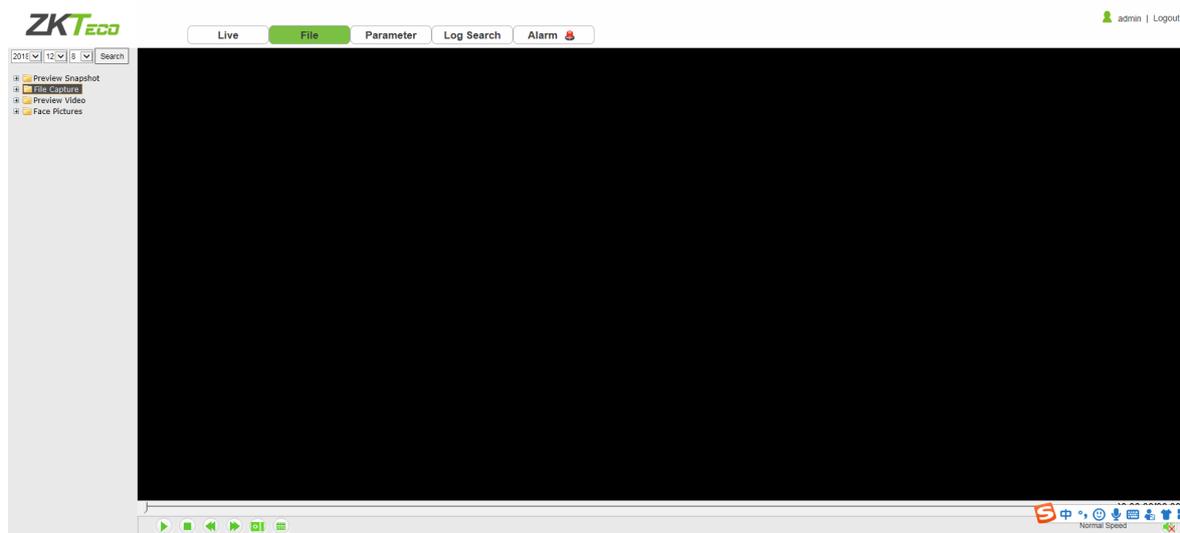
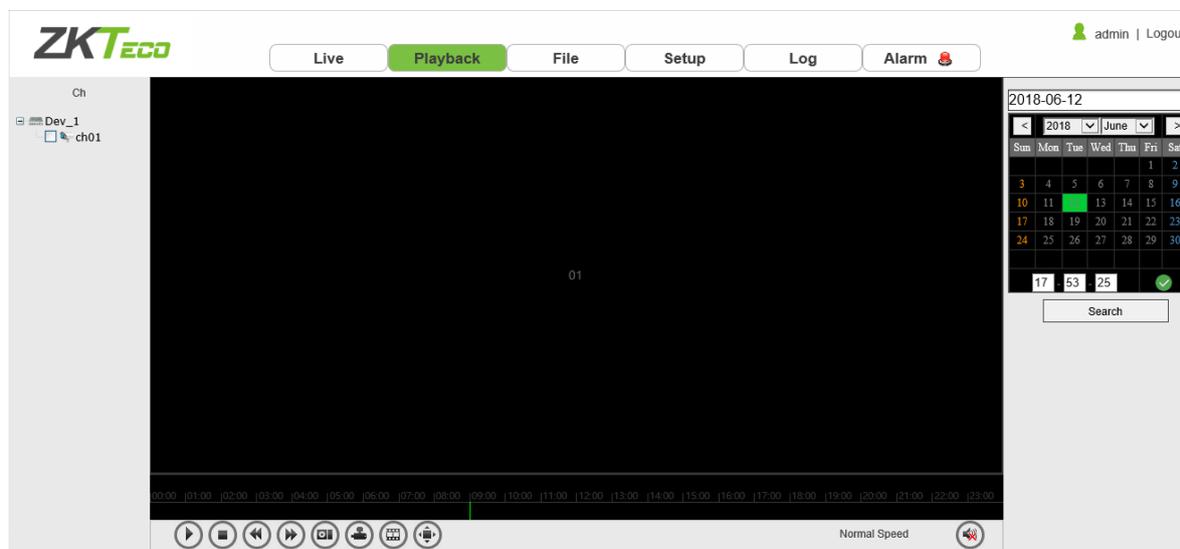
**Record:** To allow or disallow previewing records.

☺ **Note:** X indicates the function is off or disabled.

# 3 Playback

☺ **Note:** You have to insert a TF card first to access the full function display interface; otherwise, the system will only show you the simplified version.

Click on "Playback" to access the playback interface; click on the icon  , select the date and time of videos to be retrieved, then click on the icon  , the system will then search for the corresponding videos automatically, as shown in the following figure:



 **Start:** Start the playback.

 **Stop:** Stop the playback.

 **Slow:** Slow down the playback speed (1/2, 1/4, 1/8, 1/16 times).

 **Fast:** Speed up the playback speed (2, 4, 8, 16 times).

 **Snapshot:** Take snapshots in a playback channel.

 **Backup:** Back up videos in a playback channel.

 **Frame Play:** Play by single frame.

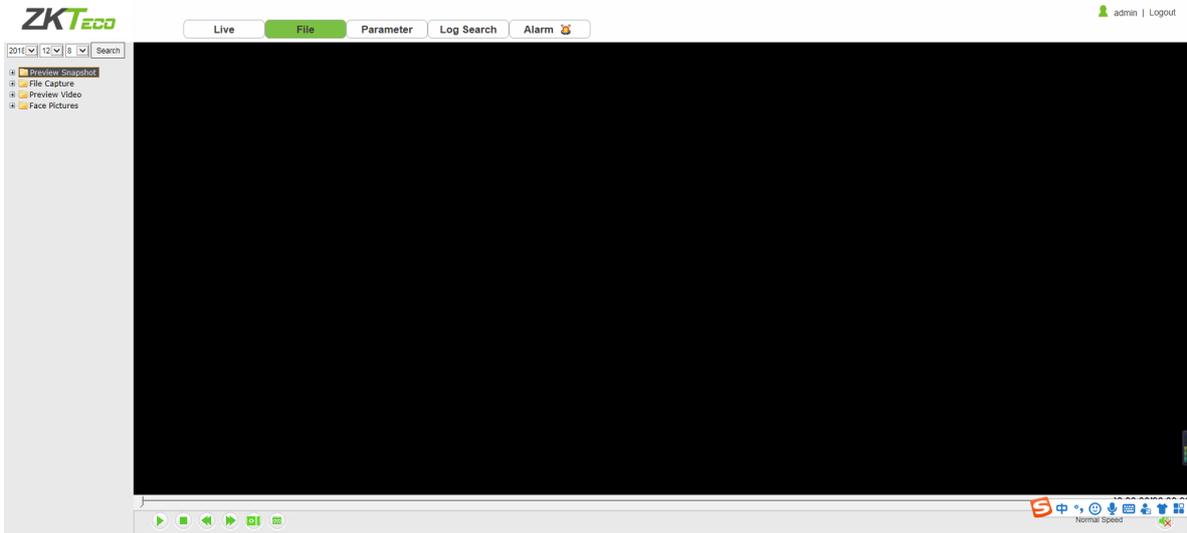
 **Full Screen:** Play videos back in full screen.

 **Voice:** Adjust the volume of playback audio.

Double-click on the slider to play the video, or you may click the “Start” button to start playing the videos back.

# 4 File Management

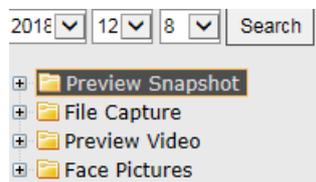
☺ **Note:** You have to insert a TF card first to access the full function display interface; otherwise, the system will only show you the simplified version.



## 4.1 Search

Input a concrete time, and click on the  button, the lower part of the screen will display the searched images and videos. You may double-click on the searched results to access files you need.

☺ **Note:** You may modify the storage paths of the selected videos or images. A short description will be given below. For more details, please go to Setup → Local Settings.



## 4.2 Preview Snapshot

To review captured images from video preview; you may search for and double click to obtain images you need.

## 4.3 Playback Capture

To review captured images from video playback; you may search for and double click to obtain images you need.

## 4.4 Playback Backup

To retrieve video files; you may search for and view videos files.

## 4.5 File Capture

To review captured images from the file management interface; you may search for and double click to obtain the images you need.

## 4.6 Preview Videos

To preview videos recorded; you may search for and double click to access the videos you need.

## 4.7 SD Card Link Capture

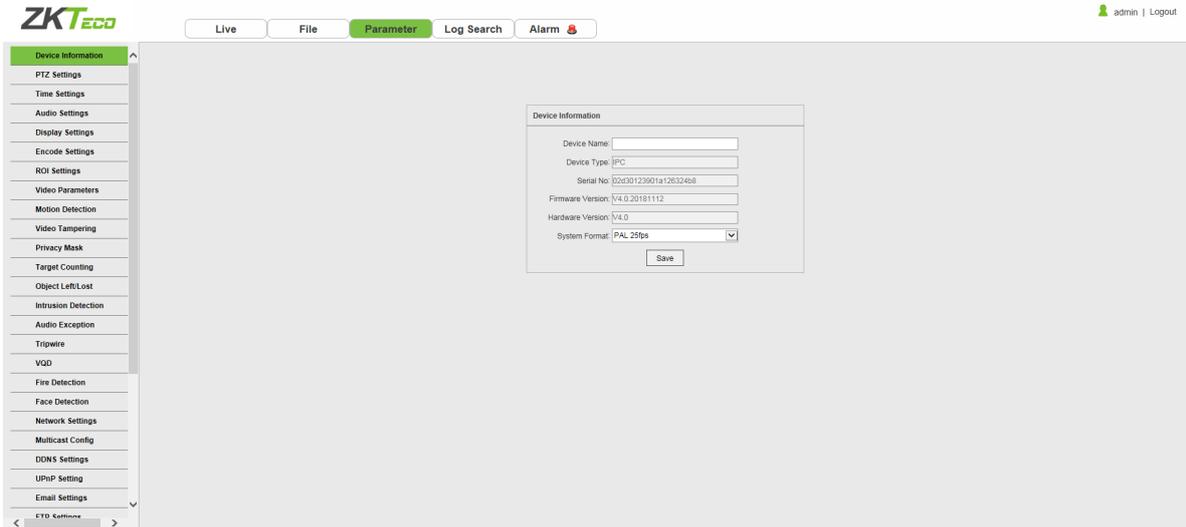
To review snapshots from a SD card; you may search for and double click to access the videos you need.

## 4.8 Backup Video Play

- **Start:** Click on the  button to play a selected backup video.
- **Stop:** Click on the  button to stop playing the video.
- **Slow:** Click on the  button to slowly play the video back.
- **Fast:** Click on the  button to fast-forward the video.
- **Frame:** Click on the  button to play the video by frame.
- **Capture:** Click on the  button to take a snapshot of the display during playback.
- **Voice:** Click on the  button to turn sound on or off during playback.

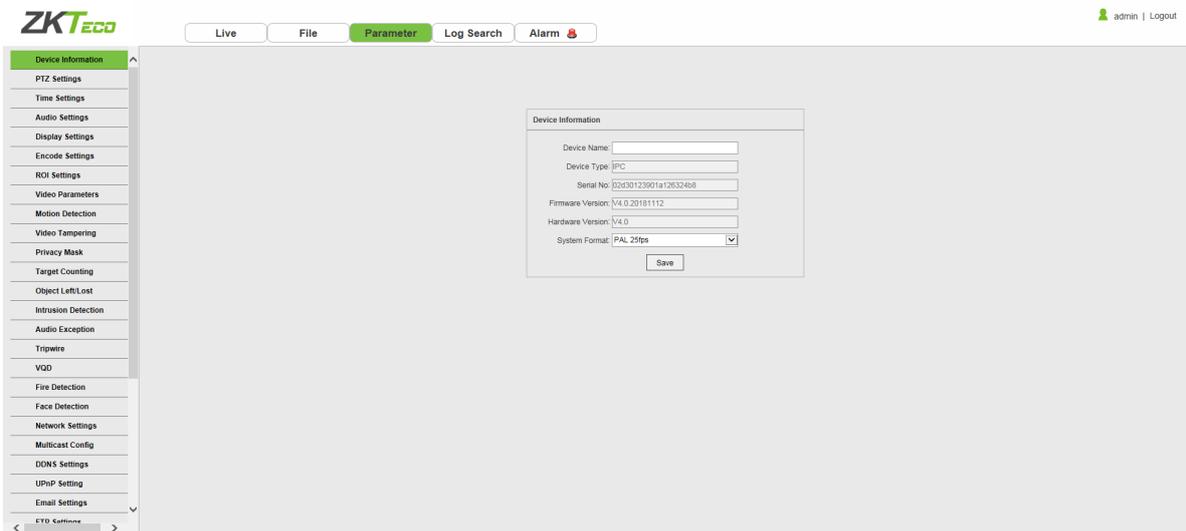
# 5 Parameter

☺ **Note:** You have to insert a TF card first to access the full function display interface; otherwise, the system will only show you the simplified version.



## 5.1 Device Information

Below is the Device Information interface of the IP camera:

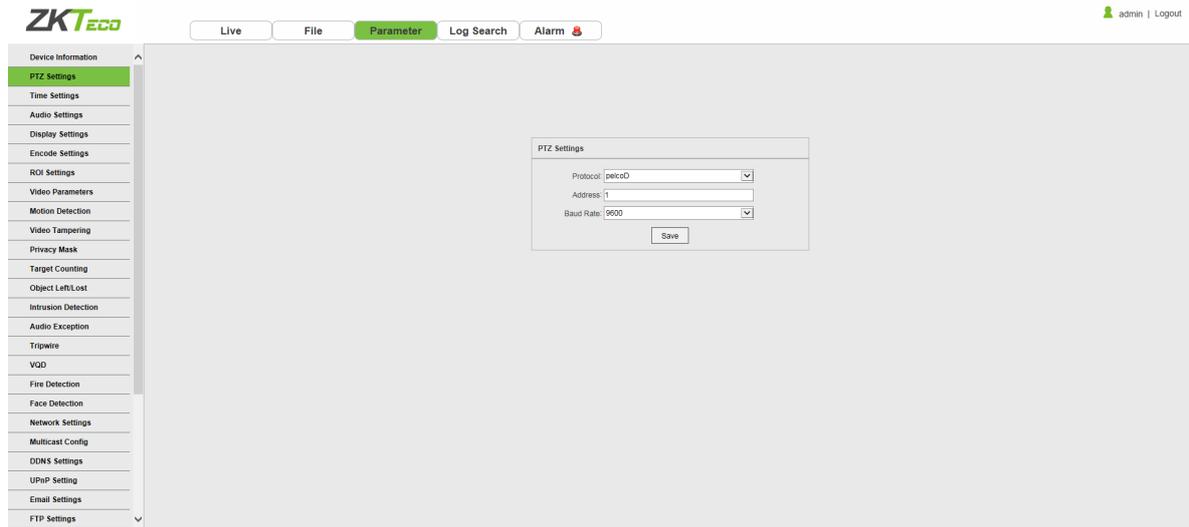


- **Device Name:** Edit the camera name.
- **Device Type:** Display the device type.
- **Serial No.:** Display the product serial number.
- **Firmware Version:** Display information about the firmware version .
- **Hardware Version:** Display the version number of the hardware.
- **Format System:** Select between PAL and NTSC image scanning system.

After completing all parameters settings, click on “Save”, then the settings will take effect immediately.

## 5.2 PTZ Settings

Below is the PTZ Settings interface of the IP camera:

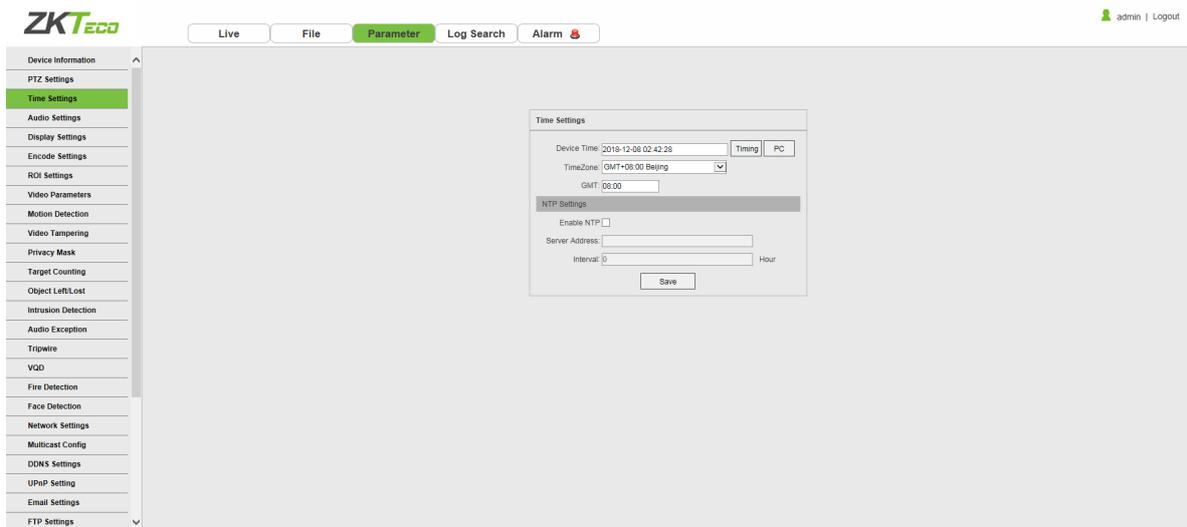


- **Protocol:** multiple protocols available.
- **Address:** 0-255 address codes available.
- **Baud Rate:** diverse baud available
- **Operation Method:** Connect the IP high speed dome at the A/B port; set a protocol and baud; then control the high-speed dome on the IPC preview interface.

After completing all parameters settings, click on “Save”, then the settings will take effect immediately.

## 5.3 Time Settings

Below is the Time Settings interface of the IP camera:

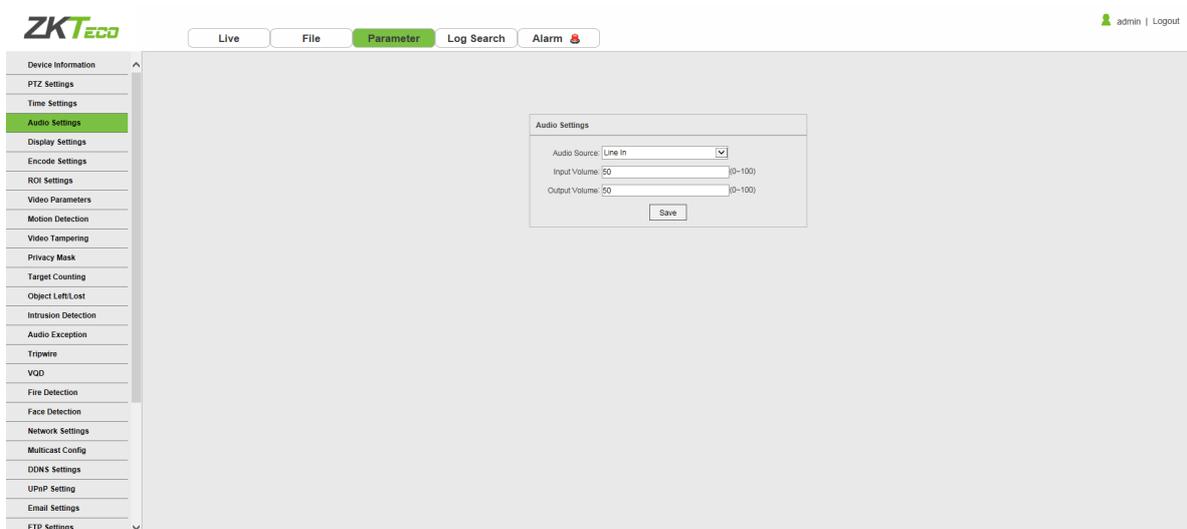


- **Device Time:** Set and display the current time of the camera.
- **Time Zone:** Different time zones are available.
- **GMT:** Fine-tune the time.
- **Enable NTP:** Click to enable or disable NTP.
- **Server Address:** Input the IP address of the NTP server.
- **Interval:** Input the interval of time.

After completing all parameters settings, click on "Save", then the settings will take effect immediately.

## 5.4 Audio Settings

Below is the Audio Settings interface of the IP camera:



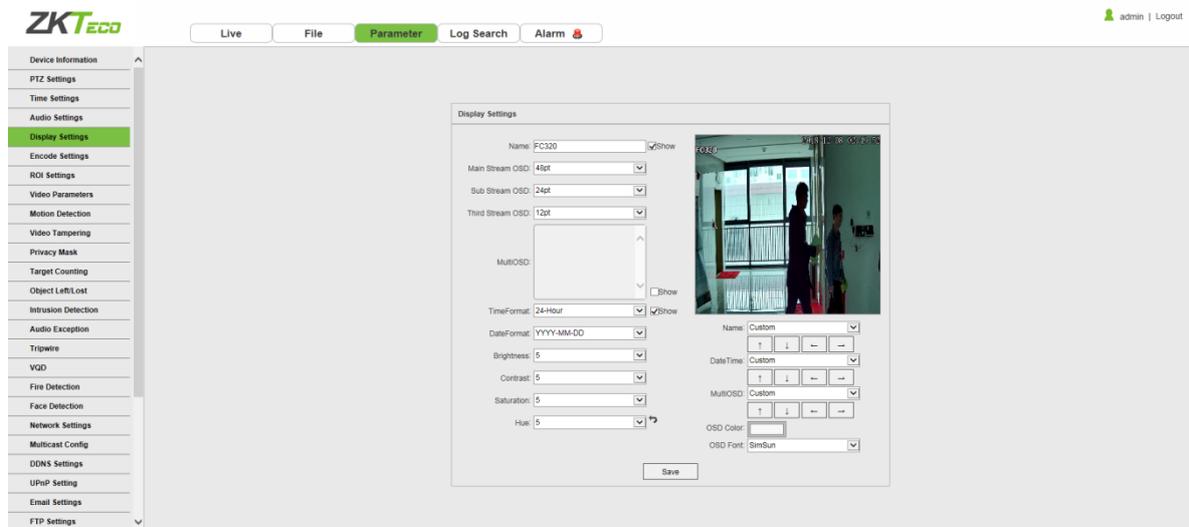
- **Audio Source:** Select the audio input mode between LineIn and MicIn.

- **Input Volume:** Set the input volume which ranges from 0 to 100; the default settings is 50.
- **Output Volume:** Set the output volume which ranges from 0 to 100; the default settings is 50.

After completing all parameters settings, click on "Save", then the settings will take effect immediately.

## 5.5 Display Settings

Below is the Display Settings interface of the IP camera:

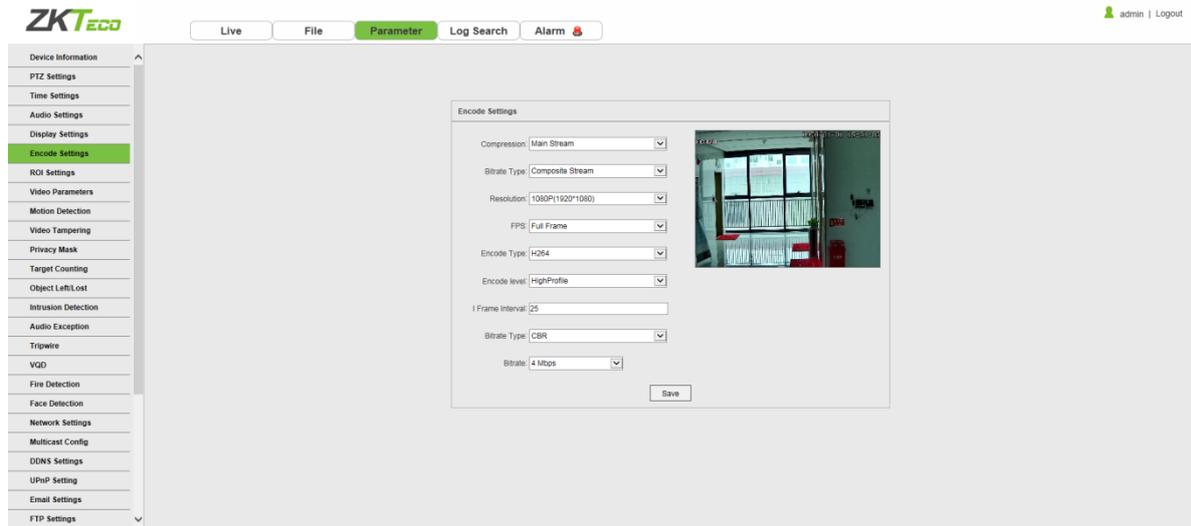


- **Name:** Modify the appointed channel name.
- **Main Stream OSD:** Modify the appointed font of the OSD in main stream preview channel.
- **Sub Stream OSD:** Modify the appointed font of the OSD in sub stream preview channel.
- **Multi OSD:** Add a multi-user-defined OSD, which you may choose whether to display.
- **Time Format:** Select different time format for the appointed channel.
- **Date Format:** Select different date format for the appointed channel.
- **Brightness:** Adjust the brightness for the appointed channel.
- **Contrast:** Adjust the contrast for the appointed channel.
- **Saturation:** Adjust the saturation for the appointed channel.
- **Hue:** Adjust the hue for the appointed channel.
- **Name:** Set the location of the title for the appointed channel.
- **Date Time:** Set the location of the date for the appointed channel.
- **Multi OSD:** Set the position of multi OSD.
- **OSD Color:** Set the color of the OSD font.
- **OSD Font:** Select OSD font.

After completing all parameters settings, click on “Save”, then the settings will take effect immediately.

## 5.6 Streams

Below is the Streams setting interface of the IP camera:

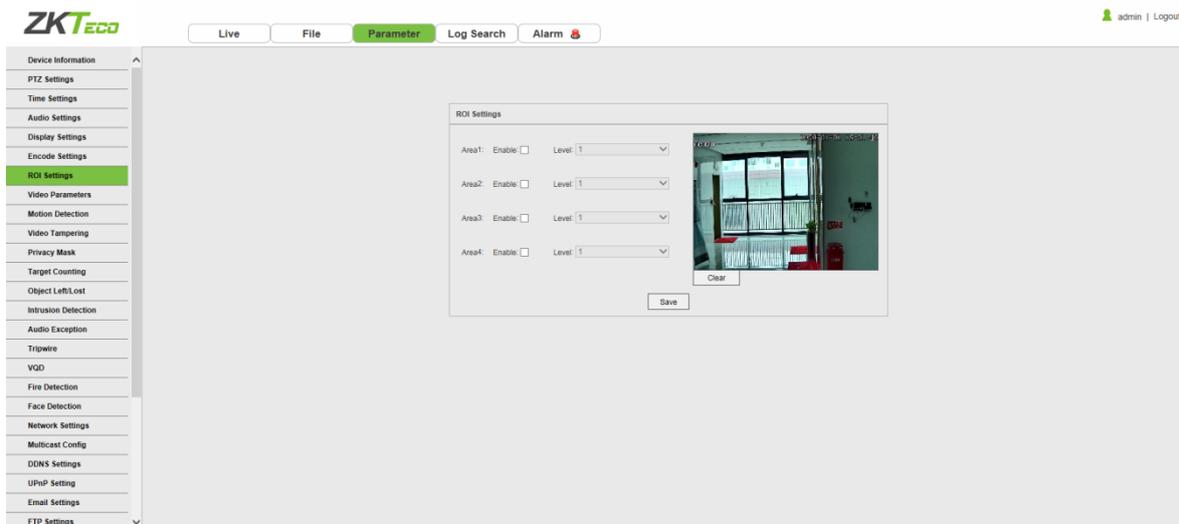


- **Compression:** Main stream/ Sub-stream/Third Stream
- **Bitrate Type:** Complex stream/ video stream.
- **Resolution:** Several resolutions available (Note: Based on the defaulted resolution of different products).
- **FPS:** Select different frame rates from the drop-down list; the default settings is “ Full Frame”.
- **Encode Type :** H.264/ H.265.
- **Encode level:** Main profile/ Baseline/ High Profile.
- **I Frame Interval:** Set the interval size of I frame.
- **Bitrate Type:** Constant/ variable.
- **Bitrate:** Set different bitrates for different channels (☺ **Note:** Based on the defaulted resolution of different products)

After completing all parameters settings, click on “Save”, then the settings will take effect immediately.

## 5.7 ROI Settings

Below is the ROI Settings interface of the IP camera:



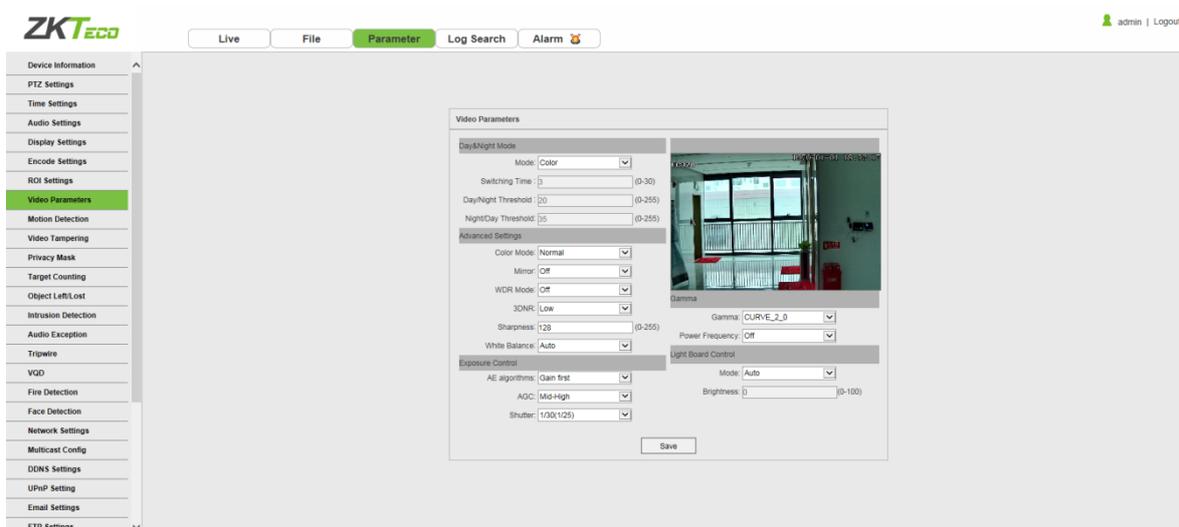
- **ROI Settings:** On the preview window, hold the left mouse button and drag to set the ROI area.

There are a total of four ROI areas available. Click on **Enable:**  to set the corresponding ROI region coding level; the higher level the coding, the stronger the ROI region encoding.

After completing all parameters settings, click on "Save", then the settings will take effect immediately.

## 5.8 Video Parameters

Below is the Video Parameters interface of the IP camera:



- **Day/Night Mode:** Outside Trigger/ Auto/ Color/ Black White. The default setting of non-infrared IP cameras is "Auto", and the default setting of infrared IP cameras is "Outside Trigger". Users may set the Day/Night mode as needed according to the type of the IP camera and the actual application environment.

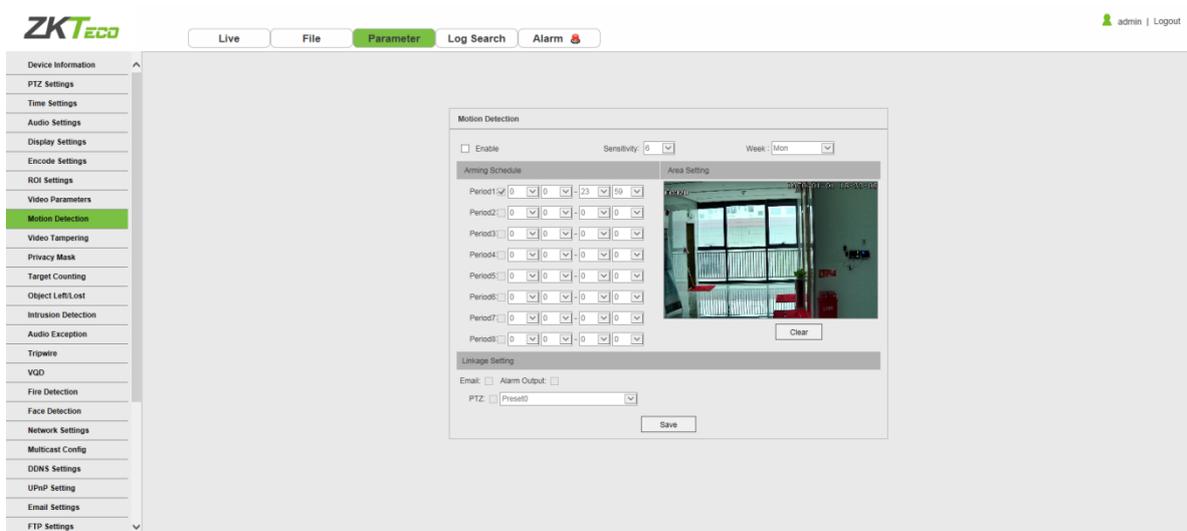
- **Switching Time:** Day & Night switch delay time which ranges from 0-30s; the default setting is 3s.
- **Day/Night:** ranges from 0 to 255. Users may set the value as needed; the default setting is 20.
- **Night/Day:** ranges from 0 to 255. Users may set the value as needed; the default setting is 35.
- **Color Mode:** Normal/ Bright/ Nature; the default setting is "Normal"
- **Mirror:** Off Horizontal Mirror/ Vertical Mirror/ 180° Rotation/90° Rotation/270° Rotation ; the default setting is "Off".
- **WDR Mode:** Off/ BLC/ WDR; the default setting is "Off".
- **3DNR:** Off/ Low/ Mid/ Mid-High/ High; the default setting is "Low".
- **Sharpness:** ranges from 0 to 255; the default setting is 128.
- **Defogging:** Off/ Low/ Mid/ High; the default setting is "Off".
- **Slow Shutter:** Off/On; the default setting is "Off".
- **White Balance:** Users may set the value of white balance. "Auto white balance" is suitable for normal light environment. Users may adjust the white balance mode from the drop-down list.
- **Exposure Control :** Auto/ manual; the default setting is "Auto".
- **AE algorithms:** Shutter first/ gain first; the default setting is "Shutter first".
- **AGC:** AGC can be set when the camera is automatically exposed. You may select from Low/ Mid-Low/ Mid/ Mid-High/ High; the default settings is "Mid-High". The larger the "Auto Gain" value, the better the sensitivity under low illumination, and the more obvious the noise will be.
- **Shutter:** You may set manual exposure; the value ranges from 1/25(30) to 1/10000.
- **Aperture:** Depending on the type of IPC lens, the aperture can be divided into manual aperture and auto aperture (☺**Note:** based on the defaulted aperture of different products); and the lens can be divided into manual focus and vari-focus.
- **Gamma:** A total of four modules: CURVE\_1\_6, CURVE\_1\_8, CURVE\_2\_0, CsURVE\_2\_2; the default setting is CURVE\_2\_0.
- **Power Frequency:** There are three options: off, 50hz, 60hz; the default setting is "off".
- **Light board control mode:** There are three LED board control modes: off, manual, auto; the default setting is "auto".
- **Off mode:** The IR LED will not be turned on.
- **Manual mode:** The brightness of the LED board can be adjusted by manually changing the related parameters, and the value ranges from 1 to 100. The larger the parameter value, the brighter the IR LED.
- **Auto mode:** The brightness of the LED board can be adjusted automatically.

- **Brightness:** The brightness of the LED board can be set when the LED board control is under “Manual” mode. The value ranges from 1 to 100.

After completing all parameters settings, click on “Save”, then the settings will take effect immediately.

## 5.9 Motion Detection

Below is the Motion Detection setting interface of the IP camera:



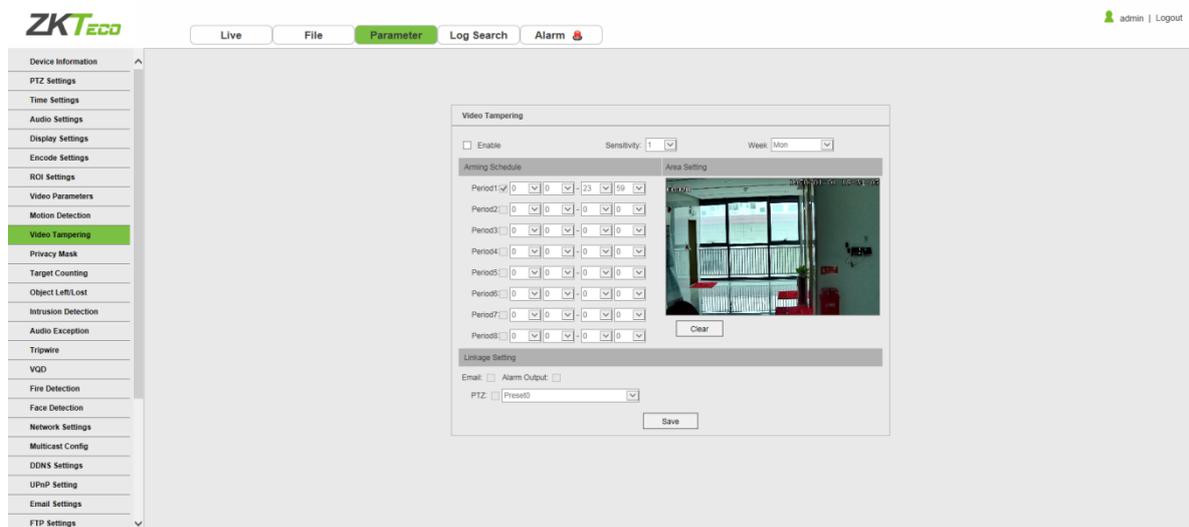
- **Enable:** Select whether to enable the Motion Detection function.
- **Sensitivity:** The higher the sensitivity, the more obvious the motion detective effect will be.
- **Week:** The protection time can be set from Monday to Sunday.
- **Arming Schedule:** Set up an arming period; you may set up to 8 time periods for a day.
- **Area Setting:** On the “Area Setting” preview interface, left-click and drag the mouse to set the area to be monitored.
- **Clear:** Click on “Clear” to clear the current controlled areas.
- **Email:** Click on “Email”. Once an alarm is triggered, an email will be automatically sent to the appointed mailbox.
- **Snap:** Click on “Snap”. Once an alarm is triggered, a signal will instantly be sent to the camera to take a snapshot and store it in the TF card.
- **Record:** Click on “Record”. Once an alarm is triggered, a signal will instantly be sent to the camera to record a video and store it in the TF card.
- **Alarm Output:** There is an active alarm device inserted into the alarm output port. Once an IPC received an alarm signal, the IPC and other devices will set off the alarm.

- **PTZ:** Enable or disable PTZ function.
- **Preset:** When motion detection triggers an alarm, the alarm will link with the preset point.
- **Snap Interval:** Set the time intervals for taking snapshots.
- **Snap Number:** Set the number of snapshots taken each time.

After completing all parameters settings, click on “Save”, then the settings will take effect immediately.

## 5.10 Video Tampering

Below is the Video Tampering setting interface of the IP camera:



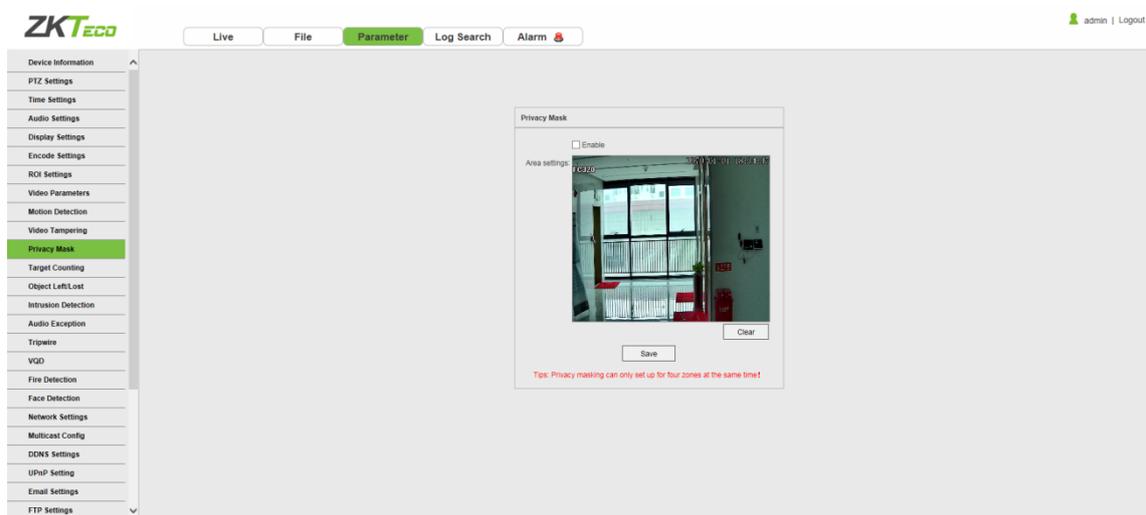
- **Enable:** Select whether to enable the video tampering function.
- **Sensitivity:** The higher the sensitivity, the easier to trigger the video tampering alarm.
- **Week:** The protection time can be set from Monday to Sunday.
- **Arming Schedule:** Set up a protection period; you may set up to 8 time periods for a day.
- **Area Setting:** On the “Area Setting” preview interface, left-click and drag the mouse to set the area to be monitored.
- **Clear:** Click on “Clear” to clear the current controlled areas.
- **Email:** Click on “Email”. Once an alarm is triggered, an email will be automatically sent to the appointed mailbox.
- **Snap:** Click on “Snap”. Once an alarm is triggered, a signal will instantly be sent to the camera to take a snapshot and store it in the TF card.
- **Record:** Click on “Record”. Once an alarm is triggered, a signal will instantly be sent to the camera to record a video and store it in the TF card.

- **Alarm Output:** There is an active alarm device inserted into the alarm output port. Once an IPC received an alarm signal, the IPC and other devices will set off the alarm.
- **PTZ:** Enable or disable PTZ function.
- **Preset:** When video tampering triggers an alarm, the alarm will link with the preset points.
- **Snap Interval:** Set the time intervals for taking snapshots.
- **Snap Number:** Set the number of snapshots taken each time.

After completing all parameters settings, click on “Save”, then the settings will take effect immediately.

## 5.11 Privacy Mask

Below is the Privacy Mask setting interface of the IP camera:

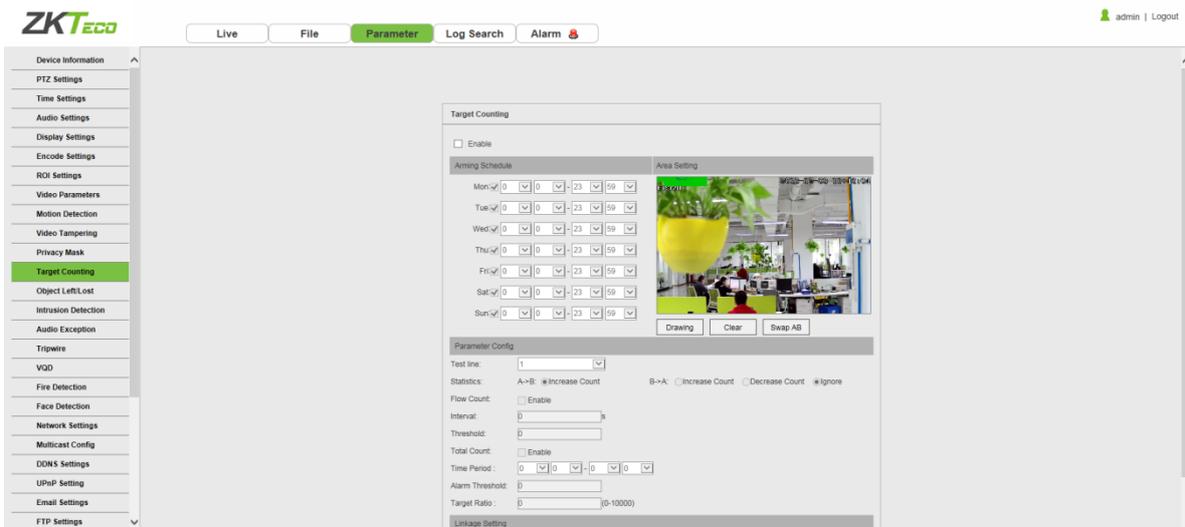


- **Enable:** Enable or disable the Privacy Mask feature.
- **Area Settings:** Left-click and drag the mouse on the Area Settings preview interface for setting the mask area.
- **Clear:** Click on “Clear” to delete the current controlled area.

After completing all parameters settings, click on “Save”, then the settings will take effect immediately.

## 5.12 Target Counting

Below is the Target Count setting interface of the IP camera:



- **Enable:** Enable or disable the target counting function.
- **Arming Schedule:** Arm schedule can be set from Monday to Sunday.
- **Area Setting:** Left-click and drag the mouse button to set the test line on the Area Settings preview interface, right-click to complete the setting, then the system will count the number of targets passing through the line.
- **Clear:** Click on "Clear" to delete all the test lines.
- **Swap AB:** Click on "Swap AB" to exchange position between A and B.
- **Test Line:** Add test lines (max. 4 test lines).
- **Statistics:** Set the test lines for targets passing through. There are two statistical methods: A→B and B→A.
- **Flow Count:** Enable or disable the Flow Counter feature.
- **Interval:** Set the counting time interval. When the counting time exceeds the time interval set, the flow counter will reset and enter next counting period automatically.
- **Threshold:** Set the upper count limit. When the value exceeds the set value, the system will automatically trigger the alarm.
- **Total Count:** Enable or disable the Total Counter function.
- **Time Period:** Set the effective time period for the day's total counter.
- **Alarm Threshold:** Set the upper limit of the total flow on a day. When the value exceeds the set value, the system will automatically trigger the alarm.
- **Target Ratio:** Set the size of an object which triggers the alarm. If there is an object, such as a mosquito or a leaf, whose size is smaller than the preset value enters the designated monitored area set by the user, no alarm will be triggered.
- **Email:** Click on "Email". Once an alarm is triggered, an email will be automatically sent to the

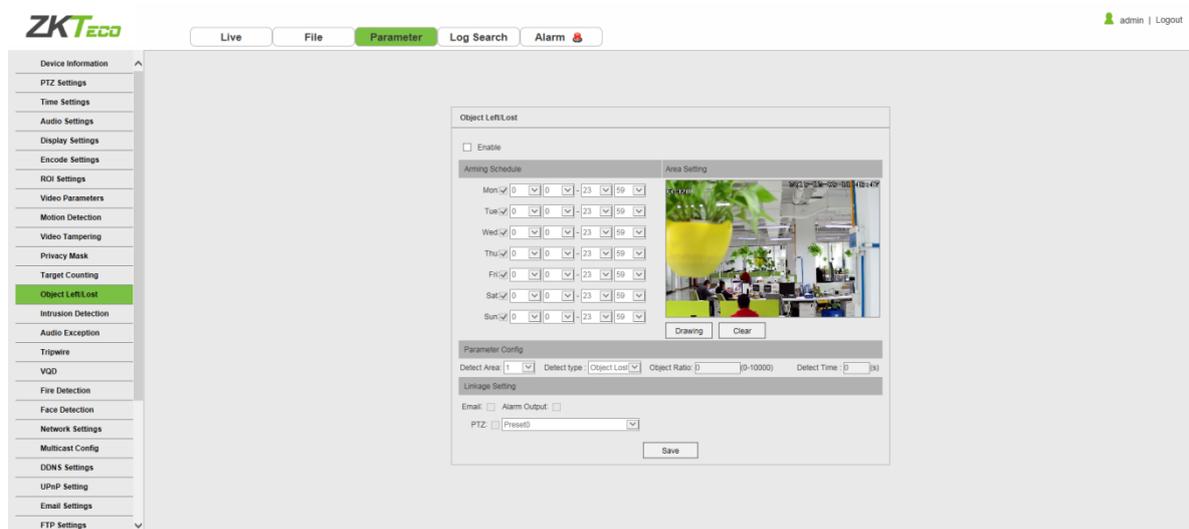
appointed mailbox.

- **Snap:** Click on “Snap”. Once an alarm is triggered, a signal will instantly be sent to the camera to take a snapshot and store it in the TF card.
- **Record:** Click on “Record”. Once an alarm is triggered, a signal will instantly be sent to the camera to record a video and store it in the TF card.
- **Alarm Output:** There is an active alarm device inserted into the alarm output port. Once an IPC received an alarm signal, the IPC and other devices will set off the alarm.
- **PTZ:** Enable or disable PTZ function.
- **Preset:** When target counting triggers an alarm, it will link the pre-sets.
- **Snap Interval:** Set the time intervals for taking snapshots.
- **Snap Number:** Set the number of snapshots taken each time.

After completing all parameters settings, click on “Save”, then the settings will take effect immediately.

## 5.13 Object Left / Lost

Below is the Object Left/Lost setting interface of the IP camera:



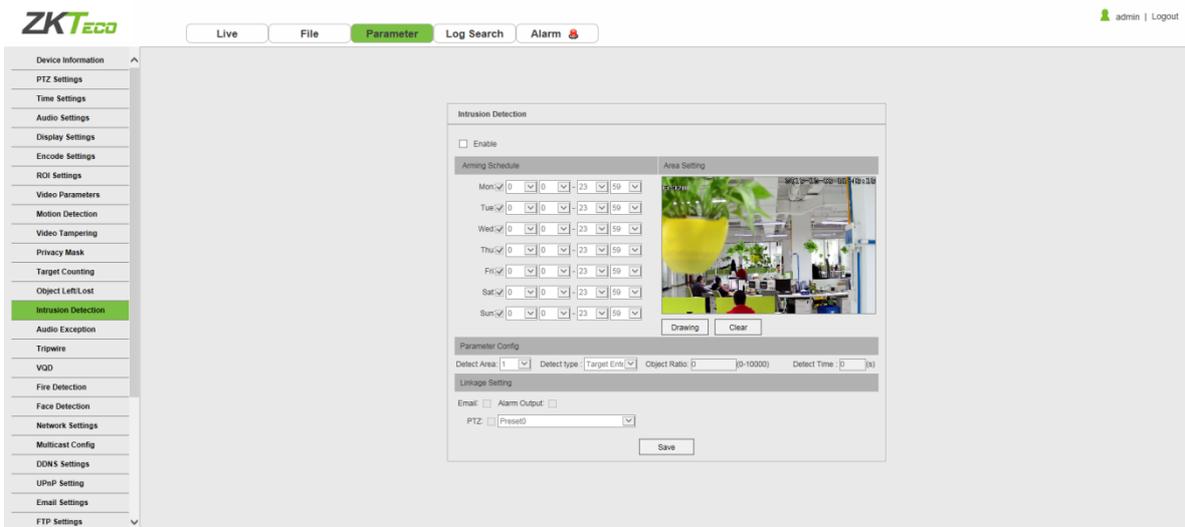
- **Enable:** Enable or disable the object detection function.
- **Arming Schedule:** Arming schedule can be set from Monday to Sunday.
- **Area Setting:** Left-click and drag the mouse button to set the detect zone on the Area Settings preview interface, right-click to complete the setting, then the system will detect, and monitor objects appeared in the selected area.
- **Clear:** Click on “Clear” to delete all zones.

- **Detect Area:** Add controlled zones (max. 4).
- **Detect Type:** Set the object detection type. There are three detection types, all of them are able to trigger the alarm. "Item lost" represents that the camera will trigger the alarm once it detects that an item originally in the monitored area is missing; "Item left" represents that the camera will trigger the alarm once it detects a new item in the detection area; "Item lost or left" represents that the camera will trigger the alarm once it detects that an item is missing and/or a new item in the controlled area.
- **Object Ratio:** Set the size of an object which triggers the alarm. If there is an object, such as a mosquito or a leaf, whose size is smaller than the preset value enters the designated monitored area set by the user, no alarm will be triggered.
- **Detect Time:** Set the upper limit of item lost and item left. When it exceeds the set value, the system will trigger the alarm automatically
- **Email:** Click on "Email". Once an alarm is triggered, an email will be automatically sent to the appointed mailbox.
- **Snap:** Click on "Snap". Once an alarm is triggered, a signal will instantly be sent to the camera to take a snapshot and store it in the TF card.
- **Record:** Click on "Record". Once an alarm is triggered, a signal will instantly be sent to the camera to record a video and store it in the TF card.
- **Alarm Output:** There is an active alarm device inserted into the alarm output port. Once an IPC received an alarm signal, the IPC and other devices will set off the alarm.
- **PTZ:** Enable or disable PTZ function.
- **Preset:** When object detection triggers an alarm, it will link with the preset points.
- **Snap Interval:** Set the time intervals for taking snapshots.
- **Snap Number:** Set the number of snapshots taken each time.

After completing all parameters settings, click on "Save", then the settings will take effect immediately.

## 5.14 Intrusion Detection

Below is the Intrusion Detection setting interface of the IP camera:



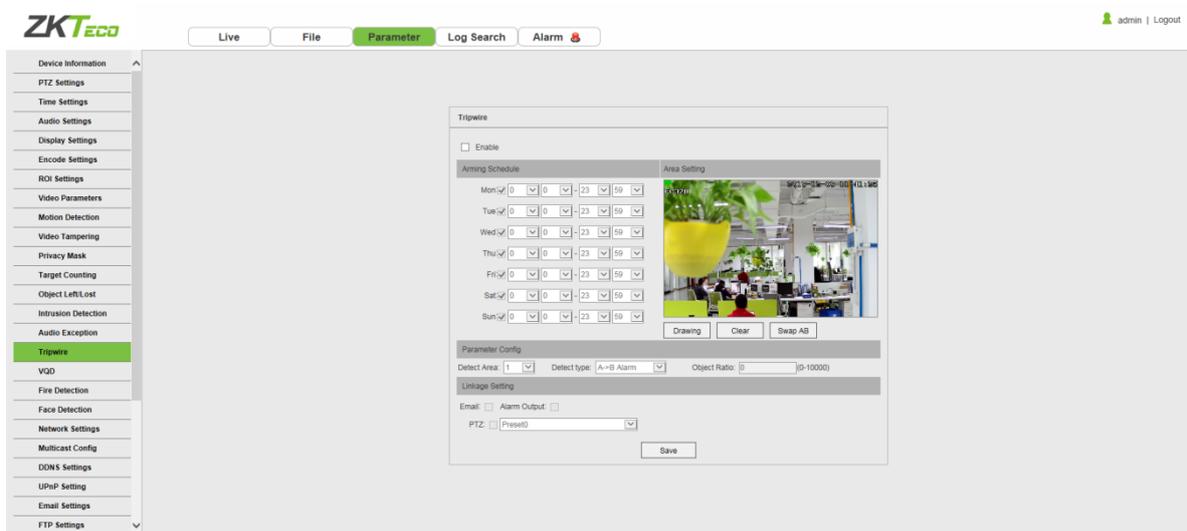
- **Enable:** Enable or disable the area detection function.
- **Arming Schedule:** Arming schedule can be set from Monday to Sunday.
- **Area Setting:** Left-click and drag the mouse button to set the detect zone on the area settings preview interface, right-click to complete the setting, then the system will detect, and monitor objects appeared in the selected area.
- **Clear:** Click on “Clear” to delete all zones.
- **Detect Area:** Add controlled zones (max. 4).
- **Detect Type:** Set the target detect type. There are four detection types, all of them will trigger the alarm. “Target enter” represents that the camera will trigger the alarm once it detects that a target enters the monitored zone; “Target leave” represents that the camera will trigger the alarm once it detects that a target leave the zone; “Target enter or leave” represents that the camera will trigger the alarm once it detects that a target enters and/or leave the zone. The last type is that the camera will trigger the alarm once it finds that the time that a target staying in the controlled area exceeds the upper limit of the set and allowed duration.
- **Object Ratio:** Set the size of an object which triggers the alarm. If there is an object, such as a mosquito or a leaf, whose size is smaller than the preset value enters the designated monitored area set by the user, no alarm will be triggered.
- **Detect Time:** When the staying time of the set target in the monitored area exceeds the set duration, the system will trigger the alarm.
- **Email:** Click on “Email”. Once an alarm is triggered, an email will be automatically sent to the appointed mailbox.
- **Snap:** Click on “Snap”. Once an alarm is triggered, a signal will instantly be sent to the camera to take a snapshot and store it in the TF card.

- **Record:** Click on "Record". Once an alarm is triggered, a signal will instantly be sent to the camera to record a video and store it in the TF card.
- **Alarm Output:** There is an active alarm device inserted into the alarm output port. Once an IPC received an alarm signal, the IPC and other devices will set off the alarm.
- **PTZ:** Enable or disable PTZ function.

After completing all parameters settings, click on "Save", then the settings will take effect immediately.

## 5.15 Tripwire

Below is the Tripwire setting interface of the IP camera:



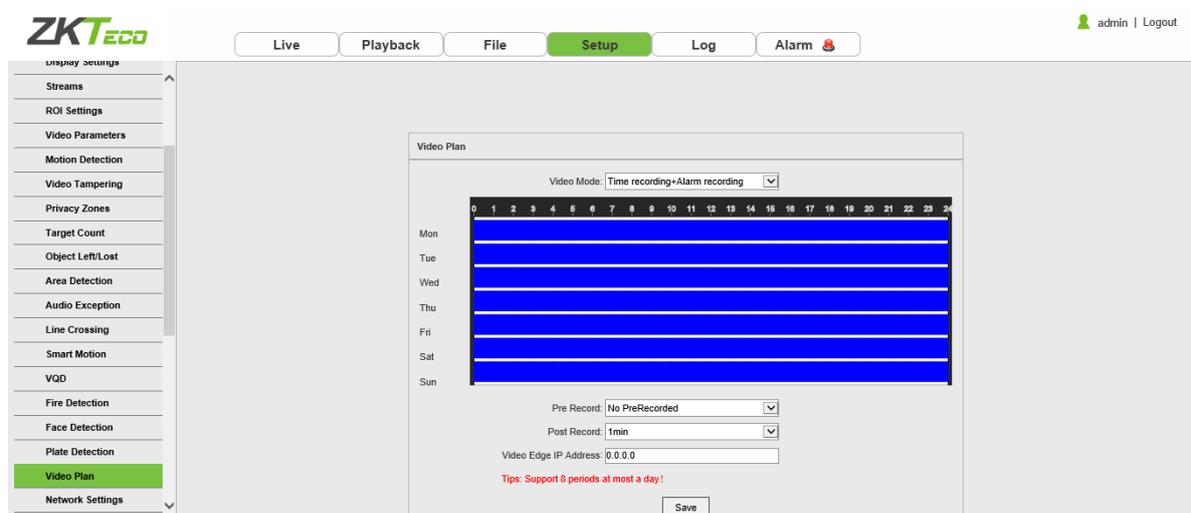
- **Enable:** Enable or disable the virtual guard function.
- **Arming Schedule:** Arm schedule can be set from Monday to Sunday.
- **Area Setting:** Left-click and drag the mouse to set guard lines on the area settings preview interface, right-click to complete the setting. When a target passes through the guard line, the system will trigger the alarm.
- **Clear:** Click on "Clear" to delete all zones.
- **Swap AB:** Click on "Swap AB" to swap the positions of A/B ports.
- **Detect Area:** To add new guard lines (max. 4 guard lines).
- **Detect Type:** Set the guard lines to trigger the alarm. "A→B" refers to targets passing through the guard lines from area A to area B will trigger the alarm. "A←→B" refers to targets passing through the guard lines either from area A to area B or from area B to area A will trigger the alarm.

- **Object Ratio:** Set the size of an object which triggers the alarm. If there is an object, such as a mosquito or a leaf, whose size is smaller than the preset value enters the designated monitored area set by the user, no alarm will be triggered.
- **Email:** Click on “Email”. Once an alarm is triggered, an email will be automatically sent to the appointed mailbox.
- **Record:** Click on “Record”. Once an alarm is triggered, a signal will instantly be sent to the camera to record a video and store it in the TF card.
- **Alarm Output:** There is an active alarm device inserted into the alarm output port. Once an IPC received an alarm signal, the IPC and other devices will set off the alarm.
- **PTZ:** Enable or disable PTZ function.

After completing all parameters settings, click on “Save”, then the settings will take effect immediately.

## 5.16 Video Plan

Below is the Video Plan setting interface of the IP camera:



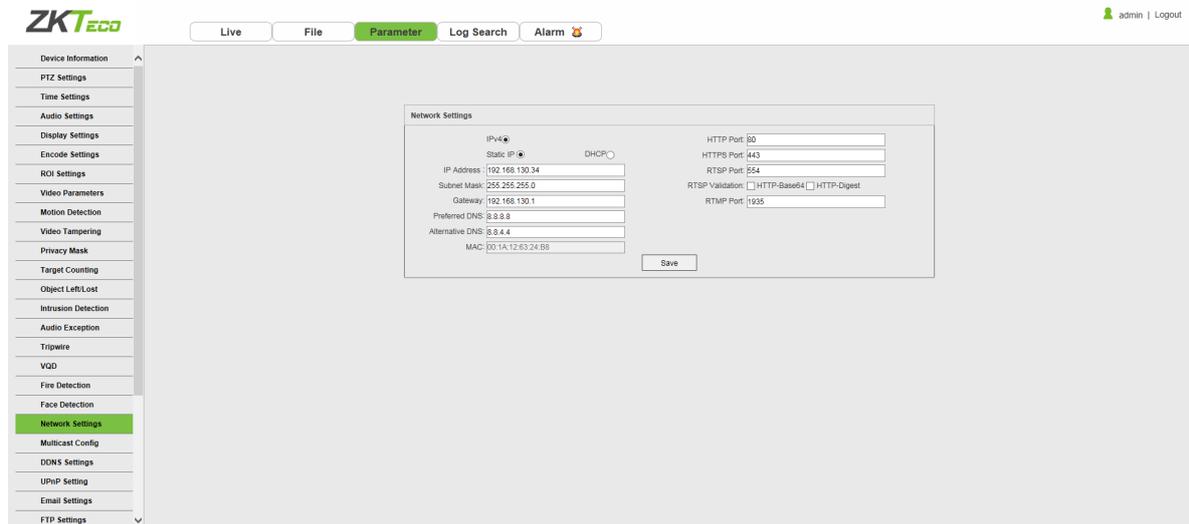
- **Video Mode:** Select a video mode. There are four modes available: Time recording + Alarm recording, Time recording, Alarm recording, No video.
- **Week:** Set the recording time from Monday to Sunday.
- **Pre Record:** Set pre-recording time.
- **Post Record:** Set the recording delay time.
- **Video Edge IP Address:** Enter the IP address of NVR or the server.

After completing all parameters settings, click on “Save”, then the settings will take effect

immediately.

## 5.17 Network Settings

Below is the Network Settings interface of the IP camera:

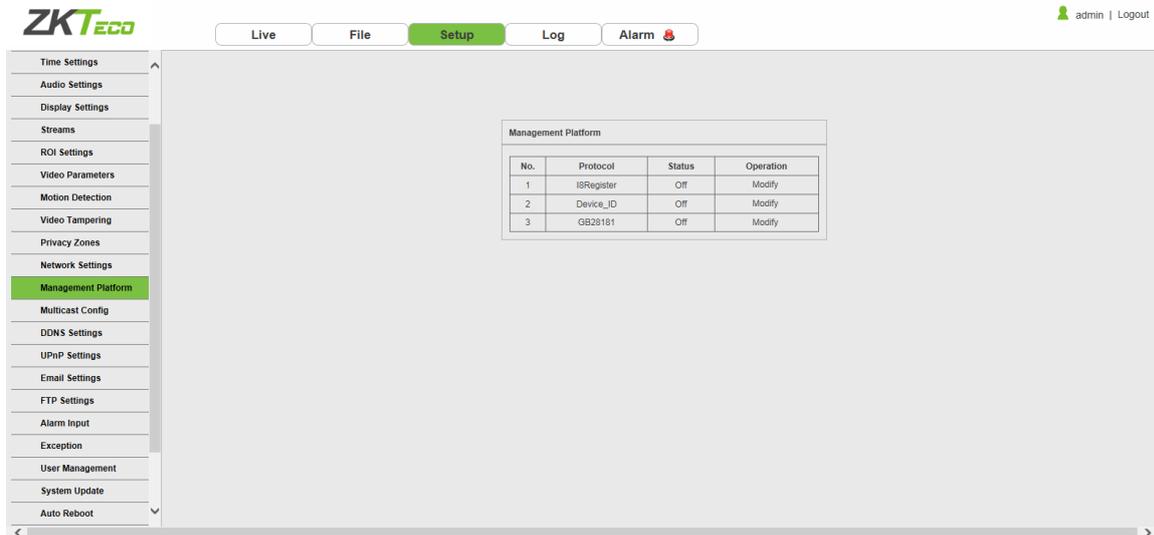


- **IPV4:** IP protocol version No. is 4.
- **Static IP:** The device IP address is permanent.
- **DHCP:** Enable DHCP, then the IP camera will obtain the IP address from the router automatically.
- **IP Address:** Input the corresponding numbers to change the IP address.
- **Subnet Mask:** Input the corresponding IP subnet mask.
- **Gateway:** Input the corresponding gateway address.
- **DNS 1:** IP address of the DNS server.
- **DNS 2:** Another IP address of the DNS server.
- **RTSP Port:** Access the device which needs to map RTSP with a domain name; the default port is 554.
- **RTSP Validation:** Choose a RTSP verification mode from Http-Base64, Http-Digest. After choosing and activating the corresponding RTSP verification mode, during playing RTSP real-time stream, RTSP validation operations need the user name and password for verification.
- **RTMP Port:** Domain name, which is used to access the device which needs to map RTMP; the default port is 1935.

After completing all parameters settings, click on "Save", then the settings will take effect immediately.

## 5.18 Management Platform

Below is the Management Platform interface of the IP camera:



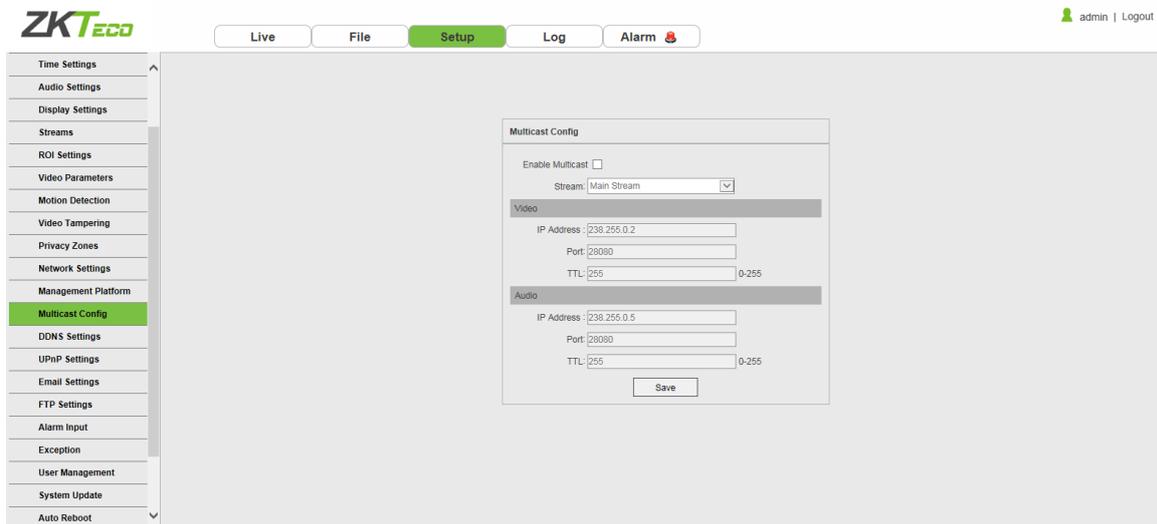
The screenshot shows the ZKTeco Management Platform interface. The 'Setup' tab is selected, and the 'Management Platform' section is active. A table lists three protocols:

No.	Protocol	Status	Operation
1	ISRegister	Off	Modify
2	Device_ID	Off	Modify
3	GB28181	Off	Modify

Users may activate or deactivate a protocol and modify the protocol information here.

## 5.19 Multicast Configuration

Below is the Multicast Config interface of the IP camera:



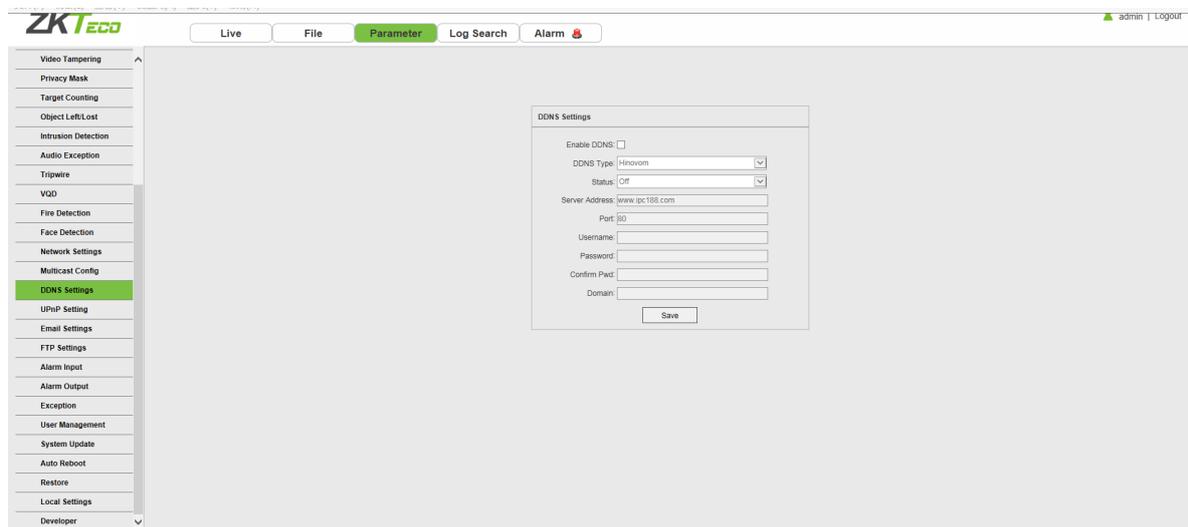
The screenshot shows the ZKTeco Multicast Config interface. The 'Setup' tab is selected, and the 'Multicast Config' section is active. The 'Enable Multicast' checkbox is unchecked. Fields for IP Address, Port, and TTL are visible for both Video and Audio streams.

Stream	IP Address	Port	TTL
Video	238.255.0.2	28080	255
Audio	238.255.0.5	28080	255

Multicast configuration is disabled by default. By clicking on "Enable Multicast", users may set the IP address, port and TTL of main stream video/audio, sub stream video/audio.

## 5.20 DDNS Settings

DDNS is implemented through a dynamic domain resolution server. It requires a fixed IP address on of the device running on the server. The DDNS setting interface of the IP camera is as shown below:

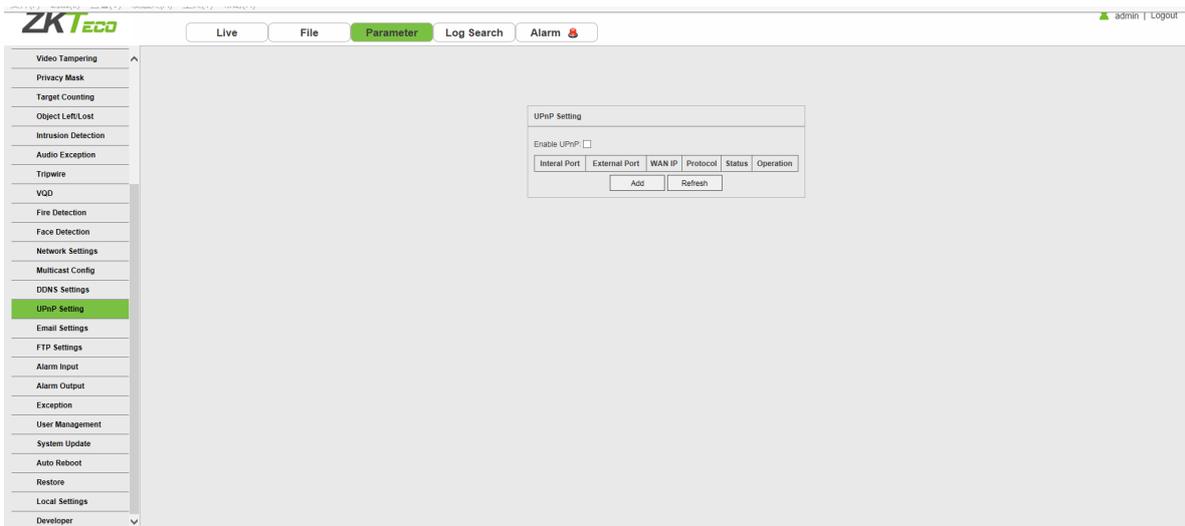


- **Enable DDNS:** Enable or disable DDNS function.
- **DDNS Type:** Select a DDNS server type from DynDNS, PeanutHull, NO-IP, 3322, and DnsDynamic.
- **Status:** Turn on or off the DDNS.
- **Server Address:** Input a server name, for example, dynupdate.no-ip.com.
- **Port:** Input a port. The default port is 80.
- **User Name:** Input a user name.
- **Password:** Input a password.
- **Confirm pwd:** Input the password again to confirm.
- **Domain:** Input the second domain.

After completing the parameters settings, click on "Save", then the settings will take effect immediately.

## 5.21 UPnP Settings

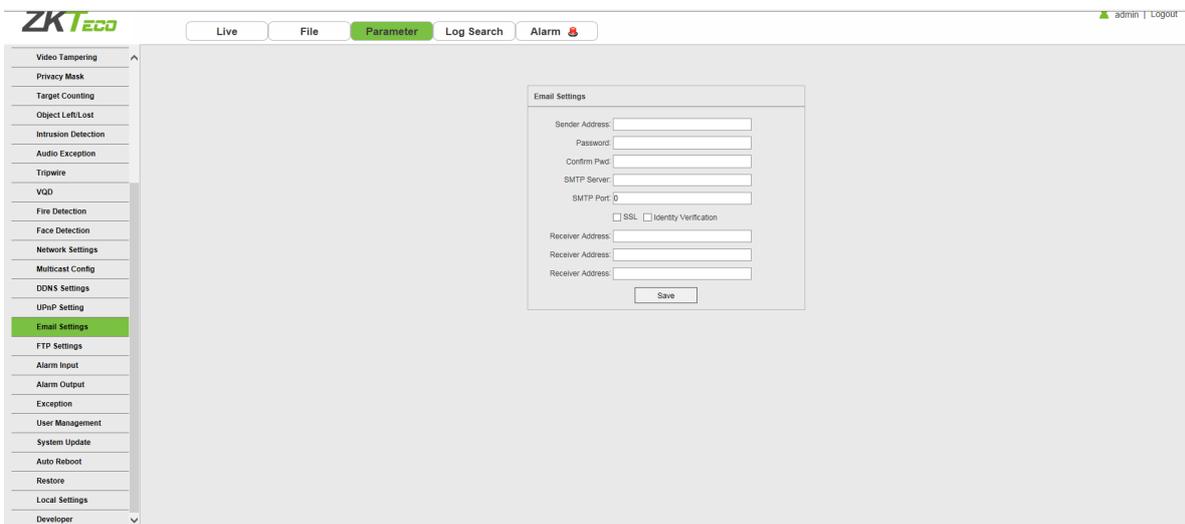
Below is the UPnP Settings interface of the IP camera:



- **Enable UPnP:** Activate or deactivate the UPnP function. When it is enabled, the device can port mapping through the router.
- **Add:** User may add TCP/UDP protocol, set internal and external port.

## 5.22 Email Settings

Below is the Email Settings interface of the IP camera:



- **Sender Address:** Input the email address of the sender.
- **Password:** Input the password of the outbox.
- **Confirm Pwd:** Input the password again to confirm.
- **SMTP Server:** Input the SMTP server address of the outbox.
- **SMTP Port:** Input the SMTP server port of the outbox.
- **SSL/Identity verification:** Tick  **SSL** and  **Identity Verification** to send the email

correctly and safely.

- **Receiver's Address:** Input the address of the inbox, fill in the address of the receiving email; you may fill in 3 other receivers' addresses.

After completing all parameters settings, click on "Save", then the settings will take effect immediately.

## 5.23 Alarm Input

Below is the Alarm Input setting interface of the IP camera:

The screenshot shows the ZKTeco web interface for configuring the Alarm Input. The interface includes a sidebar menu on the left with various settings categories. The main content area displays the Alarm Input configuration form, which includes fields for Alarm Input, Alarm Handle, Alarm In Name, Trigger Level, Week, Arming Schedule (Periods 1-8), and Linkage Setting (Email, Alarm Output, PTZ). A Save button is located at the bottom of the form.

- **Alarm Input:** Select the alarm input port, then check the box **Handle** :  to implement the following parameters settings.
- **Alarm In Name:** Input a name of an alarm.
- **Trigger Level:** Select the alarm status: Normally Open/ Normally Close.
- **Arming Schedule:** Arming schedule can be set from Monday to Sunday. You may set up to 8 schedules for a day.
- **Email:** Click on "Email". Once an alarm is triggered, an email will be automatically sent to the appointed mailbox.
- **Snap:** Click on "Snap". Once an alarm is triggered, a signal will instantly be sent to the camera to take a snapshot and store it in the TF card.
- **Record:** Click on "Record". Once an alarm is triggered, a signal will be transmitted to the camera to record a video and restore it in the TF card.
- **Alarm Output:** Click on "Alarm Output". There is an active alarm device inserted into the alarm output port. Once an IPC received an alarm signal, the IPC and other devices will set off the

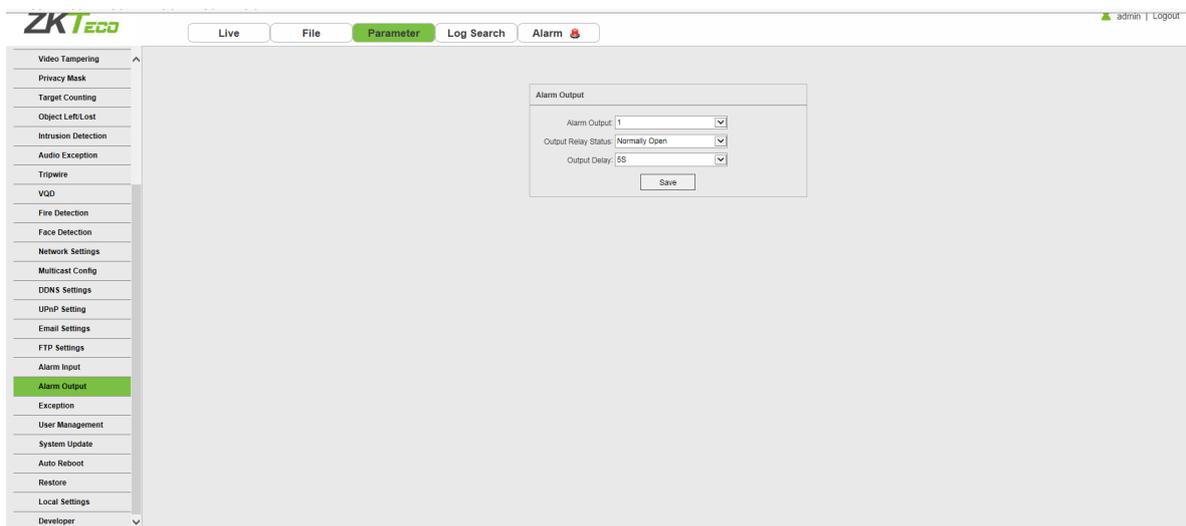
alarm.

- **Snap Number:** Set the number of snapshots taken each time.
- **Snap Interval:** Set the time intervals for taking snapshots.
- **PTZ:** Enable or disable PTZ function.
- **Preset:** When a signal triggers the alarm, it will link with the preset points.

After completing all parameters settings, click on “Save”, then the settings will take effect immediately.

## 5.24 Alarm Output

Below is the Alarm Output setting interface of the IP camera:

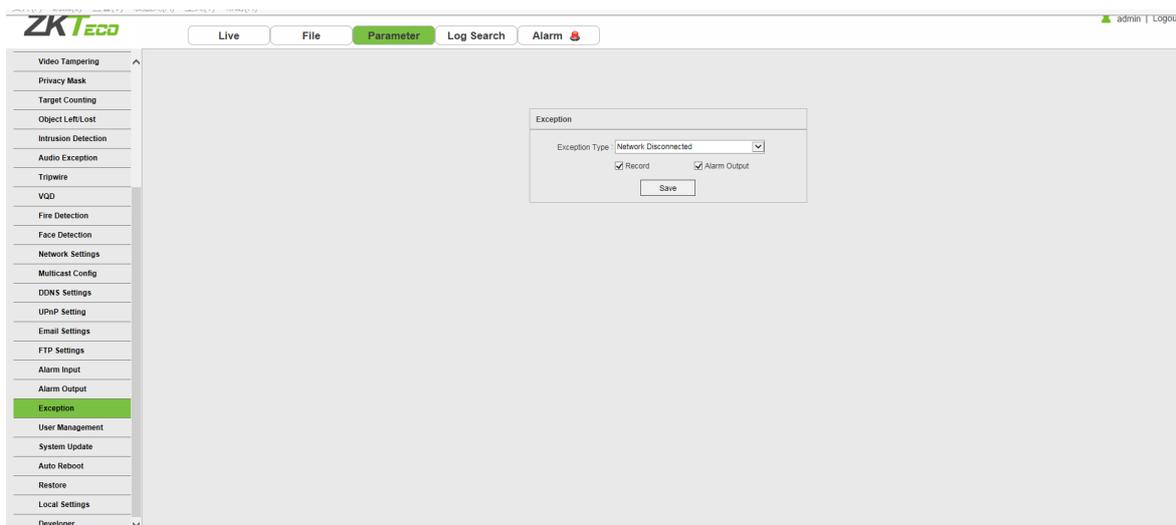


- **Output Relay Status:** Normally Open/ Normally Close.
- **Output Delay:** Select alarm output delay time, which represents the corresponding output alarm delay time after the alarm stops triggering.

After completing all parameters settings, click on “Save”, then the settings will take effect immediately.

## 5.25 Exception

Below is the Exception interface of the IP camera:

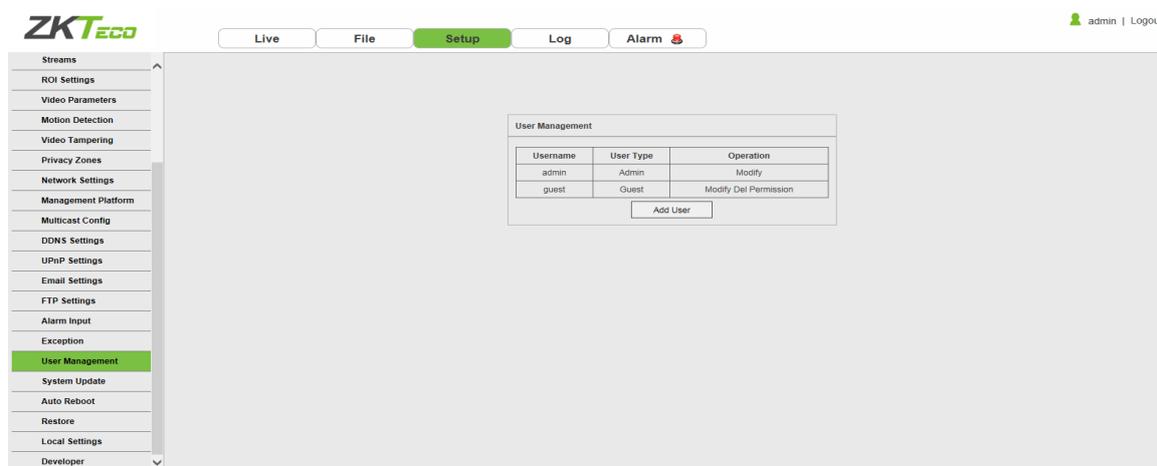


- **Exception Type:** Network Disconnected/ IP Address Conflict.
- **Record:** Click on “Record”; when there is an abnormal event which triggers an alarm, the camera will start recording.
- **Alarm Output:** Click on “Alarm Output”; the system will link with other alarm devices when there is an abnormal event which triggers an alarm.

After completing all parameters settings, click on “Save”, then the settings will take effect immediately.

## 5.26 User Management

Below is the User Management setting interface of the IP camera. “admin” represents the administrator (default); “default” represents standard users.



- **Modify:** Admin may modify the login password; the default guest user may modify user type. New users may modify their user names, passwords and user types. New users may select a

“Guest” or “Operator” account, and set different permission.

- **Del:** Delete a new user.
- **Rights Permission:** Permission assignment for default guest users and new users.
- **Add User:** Add a new user.

Log in with admin account, add a new user and assign permission, as shown in the following figure:

Permission	Allow
Remote PTZ	<input type="checkbox"/>
Remote Playback	<input checked="" type="checkbox"/>
Remote Parameter Settings	<input type="checkbox"/>
Remote Log Query	<input checked="" type="checkbox"/>
Remote Upgrade and Format	<input type="checkbox"/>
Intercom	<input type="checkbox"/>
Remote Preview	<input checked="" type="checkbox"/>
Remote Reboot	<input checked="" type="checkbox"/>

Save Back

After completing all parameters settings, click on “Save”, then the settings will take effect immediately.

## 5.27 System Update

Below is the System Update setting interface of the IP camera:

System Update

File:  Browse

Upgrade

Tips: To ensure the stability of the device, it is not recommended to upgrade to the earlier version. For special needs, please contact with manufacturer firstly!

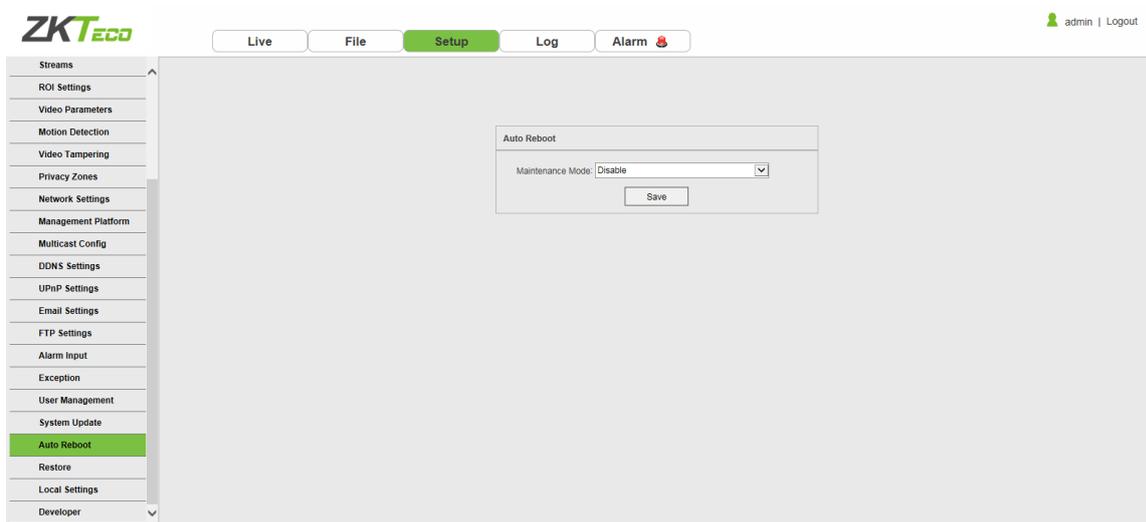
- **File:** Click on “Browse” to find and select an upgrade kit, then click “Upgrade”.



Do not disconnect the power supply during upgrade.

## 5.28 Auto Reboot

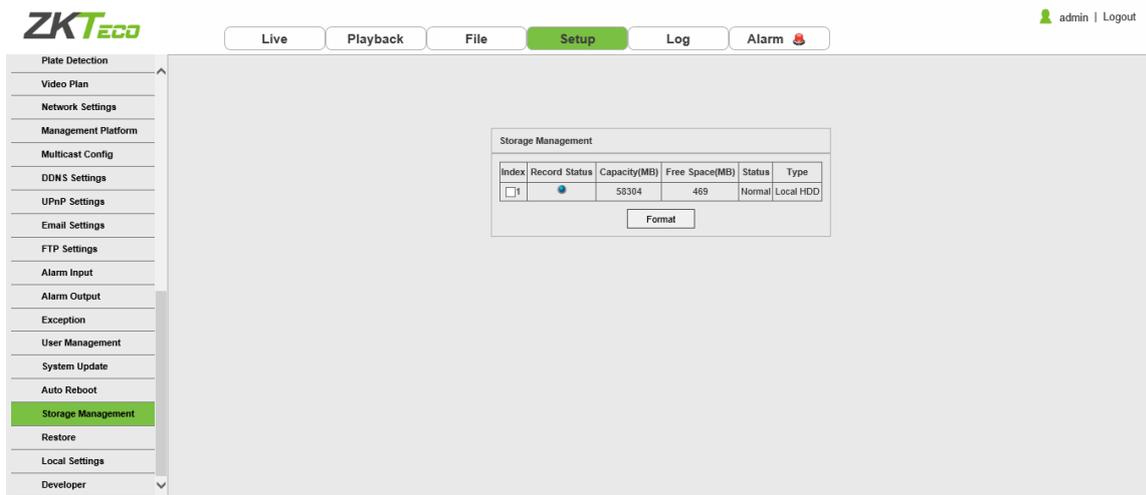
Below is the Auto Reboot setting interface of the IP camera. You may choose a maintenance mode from Disable/ Every Day/ Every Week/ Once/ Every Month, then the IPC will reboot as set.



## 5.29 Storage Management

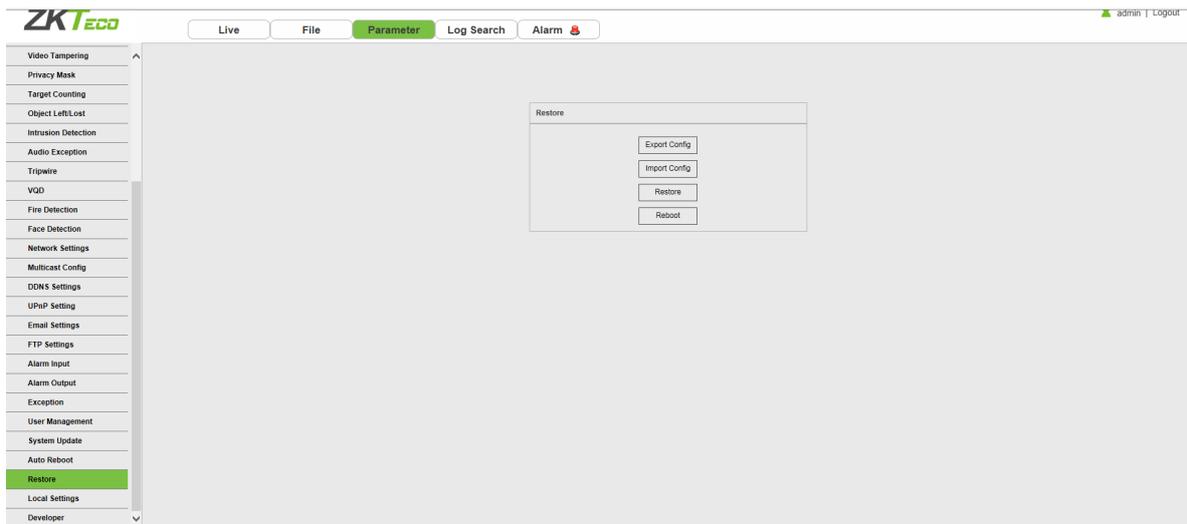
Below is the Storage Management setting interface of the IP camera. You may view the capacity (MB), free spare (MB), status of the current TF card, and format the TF card.

☺ **Note:** Please disconnect the power supply before you insert or remove the TF card.



## 5.30 Restore

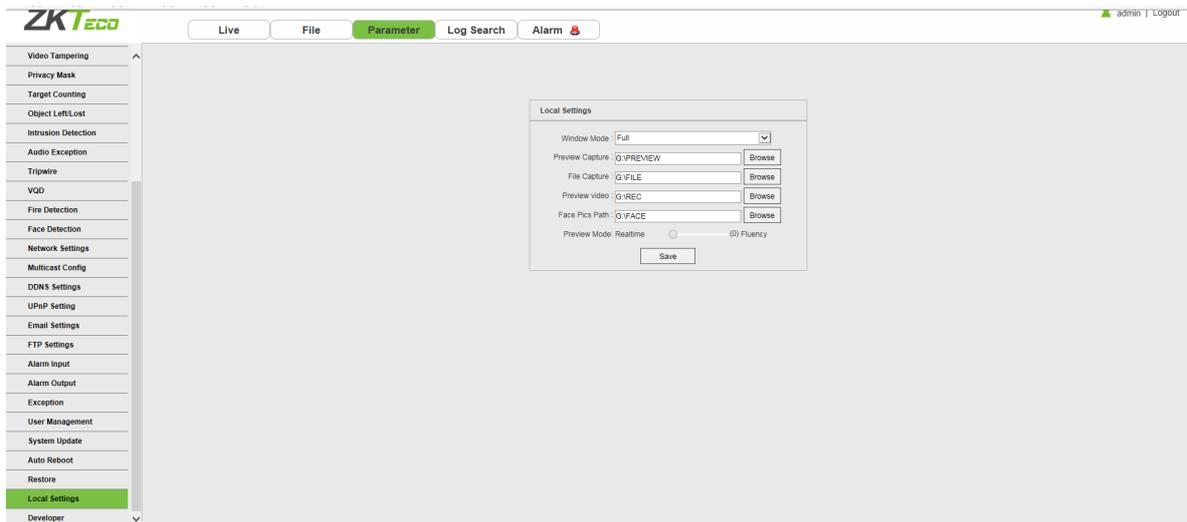
Below is the Restore interface of the IP camera:



- **Export Config:** Export all configurations to PC or a USB.
- **Import Config:** Import selected configuration to the system.
- **Restore:** Restore the device to factory settings.
- **Reboot:** Reboot the device.

## 5.31 Local Settings

Below is the Local Settings interface of the IP camera:



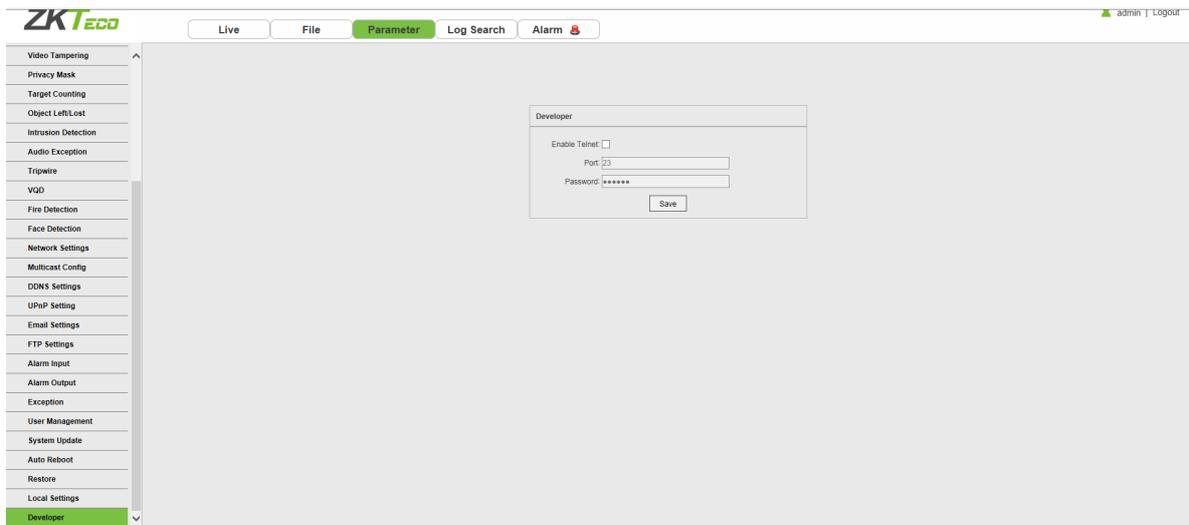
- **Window Mode:** Set the preview window mode (Full/ 4:3/ 16:9/ Original Image).
- **Preview Capture:** Select and modify the storage path of captured files.
- **File Capture:** Select and modify the storage path of captured files.
- **Preview Video:** Select and modify the storage path of the video record file.

- Face Pics Path: Select and modify the storage path of the video record file.
- **Preview Mode:** Realtime/ Fluency. The value is adjustable.

After completing all parameters settings, click on "Save", then the settings will take effect immediately.

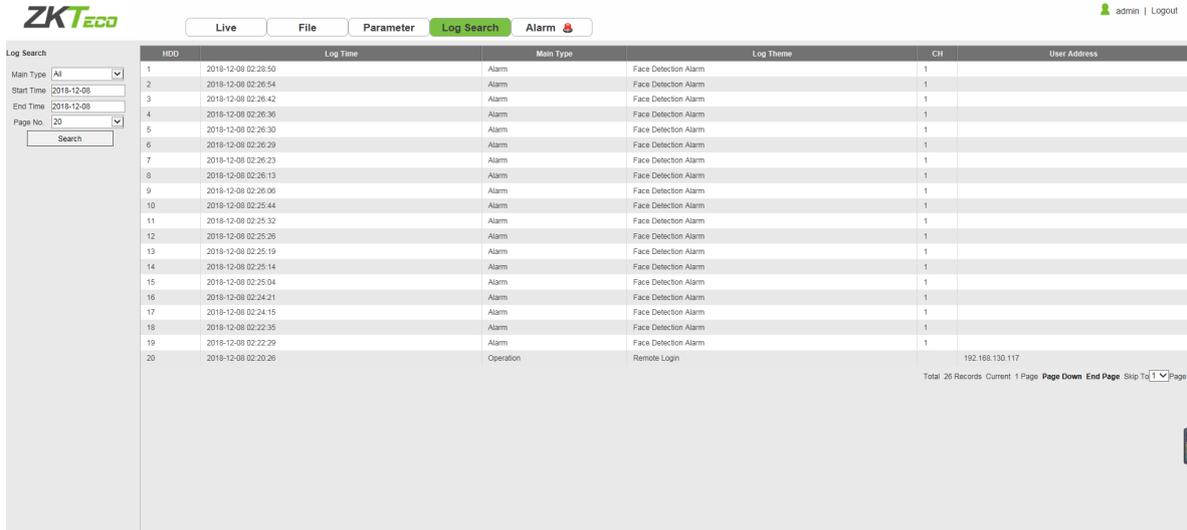
## 5.32 Developer

Below is the Developer interface of the IP camera:



# 6. Log Search

Click Search on the Log interface, check device log according to the video type and date time, as shown in the below figure:

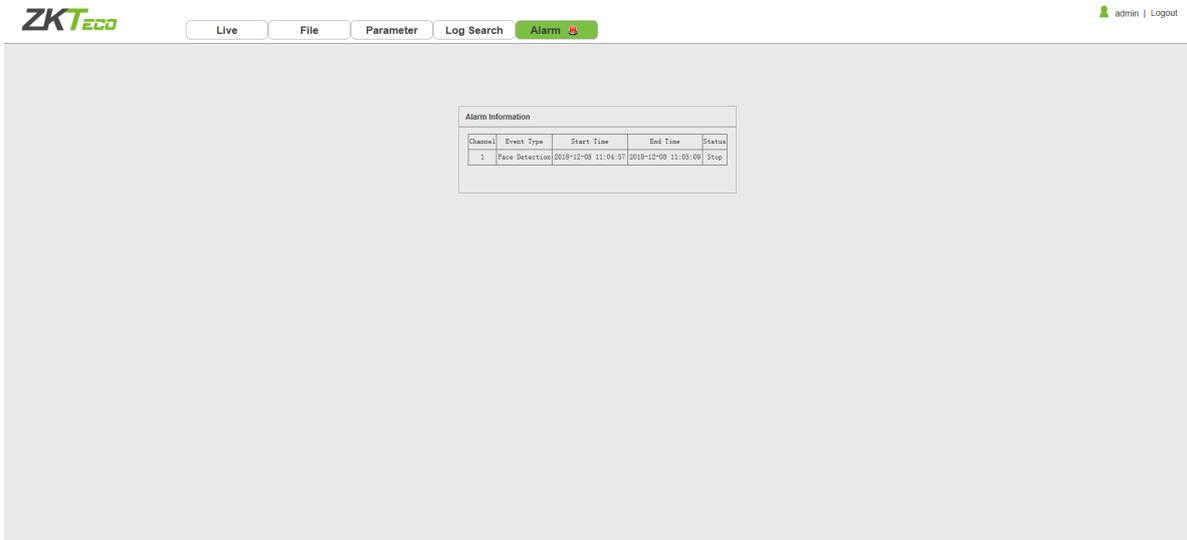


- **Main Type:** Select the type of logs to search for. You may choose among All/ Alarm/ Exception / Operation/Parameter or click "All" to search all types of logs.
- **Start Time/ End Time:** Select the time period of logs to check.
- **Page No.:** Select the number of logs to display on each page.

After completing all settings, click on "Search", then the log information will display on the left.

# 7 Alarm

Below is the Alarm interface of the IP camera. Information about alarms will be shown as follows.



# 8 Exit

Click on "Logout" to log out, as shown in the following figure:

