



**A M C R E S T**

## **Amcrest Surveillance Pro User Manual**

**Version 1.0.1.  
Revised March 8<sup>th</sup>, 2019**

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# Welcome

Thank you for using our Amcrest Surveillance Pro Software!

This user's manual is designed to be a reference tool for the operation the Amcrest Surveillance Pro software.

## 1.1 Overview

Amcrest Surveillance Pro is an abbreviation for Professional Surveillance System. This software **the most stable and recommended method of accessing your devices from your computer**. It is a free software provided by Amcrest that can provide a means of accessing all your devices in one central location without the use of a plugin or web browser.

## 1.2 Performance

- 32-bit software, with compatibility of up to 50 connected devices.
- System max supports 36-channel at CIF resolution.
- Each stream media server max receives 16-channel video and transfers 128-channel video.
- Each storage server max supports to save 16-channel video (no bit stream limit).

## 1.3 Environments

Item	Requirements
OS	Windows 7/ Windows 8 /Windows 10 MacOS up to Mojave 11
CPU	2.4GHz or higher.
Display card	Independent card and support DirectX 8.0c or higher.
Memory	1GB or higher.
Displayer Resolution	1024×768 or higher.

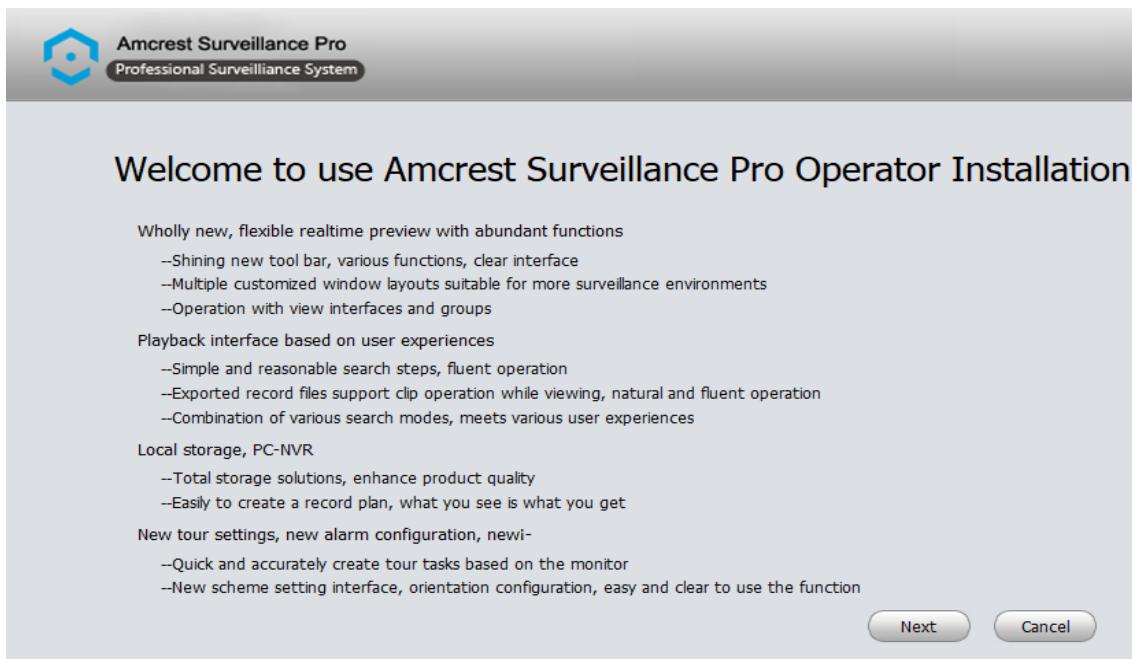
## 2 Installation

### 2.1 How to Install

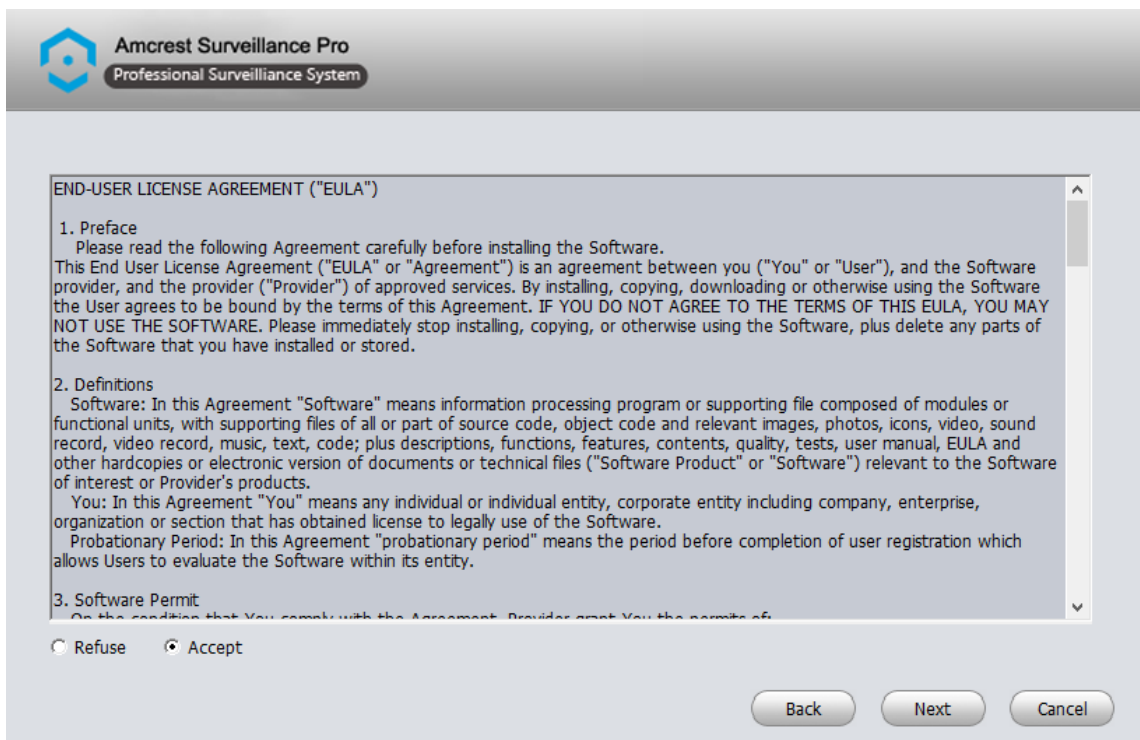
To install the Amcrest Surveillance Pro software on your computer, please visit [amcrest.com/downloads](https://www.amcrest.com/downloads)

In the **All Downloads** page you will notice separate sections for Mac OS and PC/Windows downloads for the free Amcrest Surveillance Pro software. Click on the option that applies to your computer's operating system to begin installing the software.

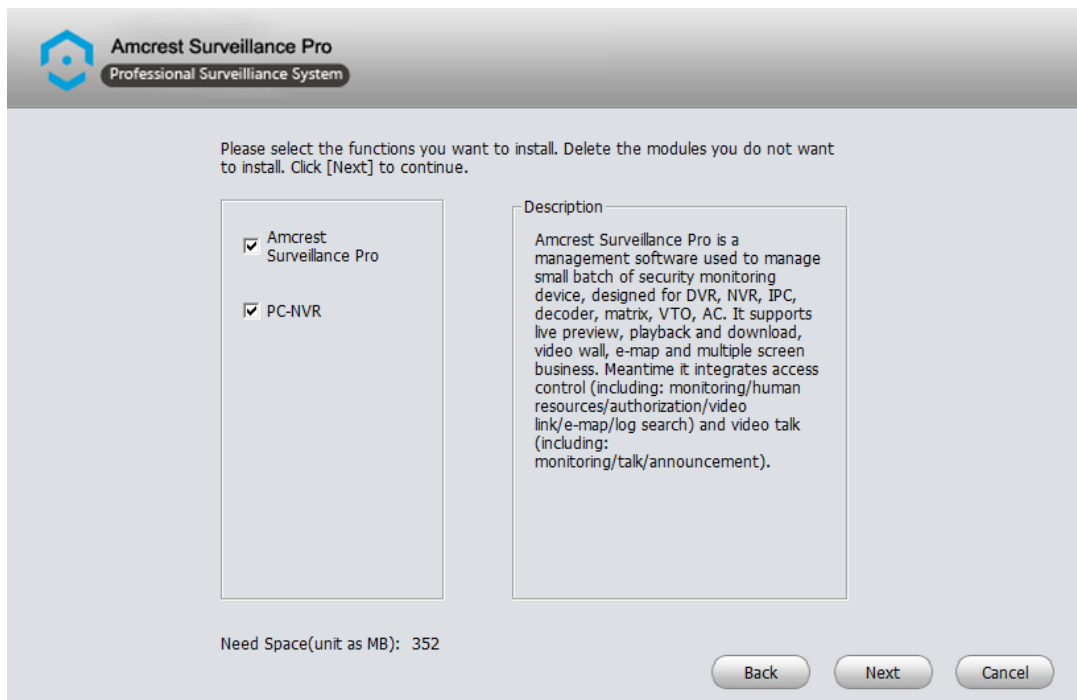
To install the software, double click the **Amcrest\_Surveillance\_Pro\_Setup.exe** to begin the installation.



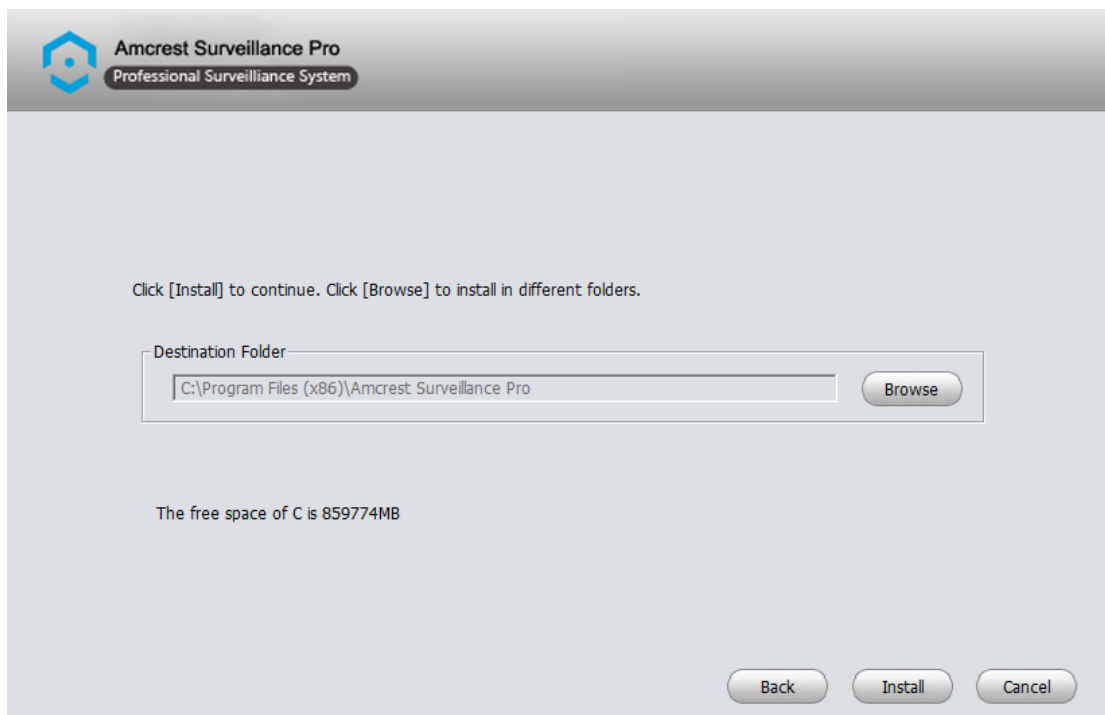
Click **Next** to continue. Please read the End-User License Agreement (“EULA”) carefully and click the **Accept** radio button when finished to agree. Once accepted, click the **Next** button to continue.



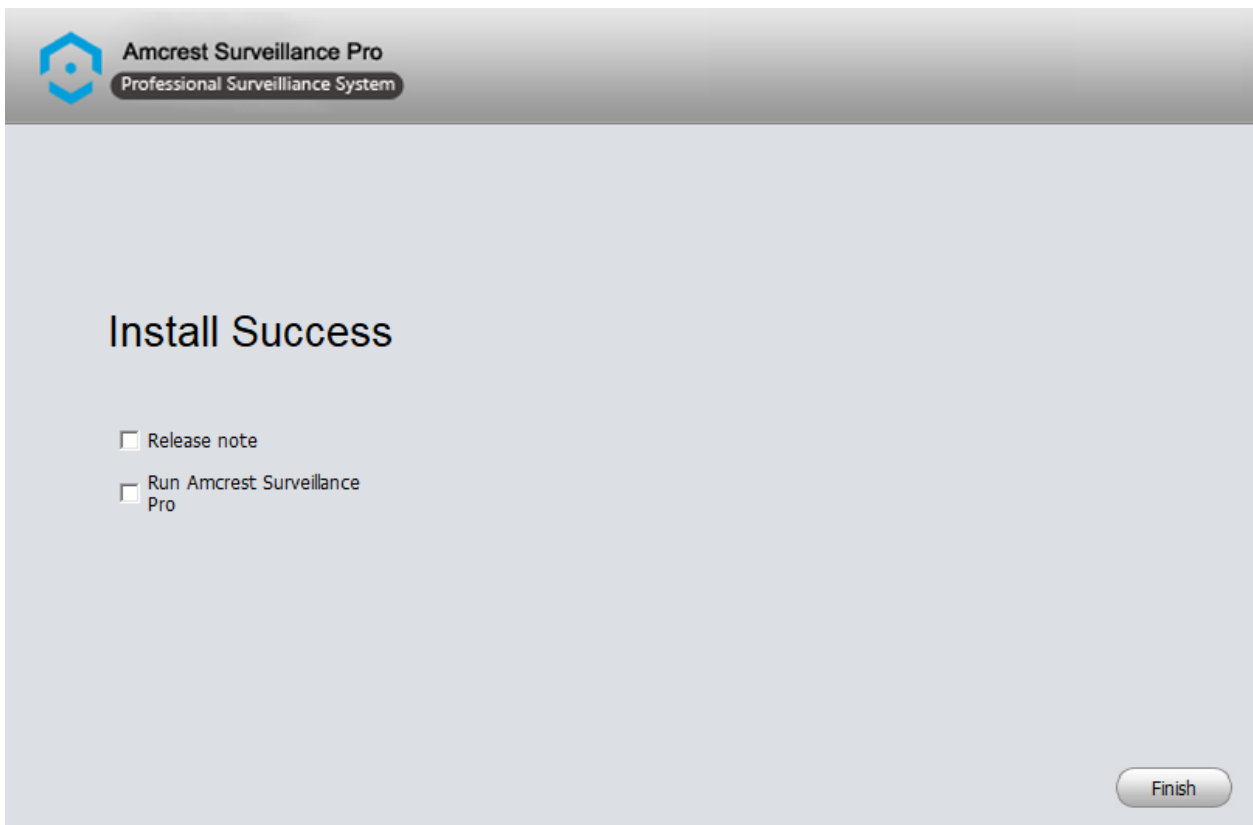
Select the functions that you want to install with the software. You can choose to bundle the PC-NVR function with the software. PC-NVR turns your computer into an NVR and will utilize your hard drive (HDD) on your PC to store and access recorded video. To proceed with the installation, click **Next**.



Select the destination folder in which you would like recorded files to be retained. To choose a folder, click on the **Browse** button and select the folder. Once a folder has been selected, click the **Install** button to begin installing the software on your computer.

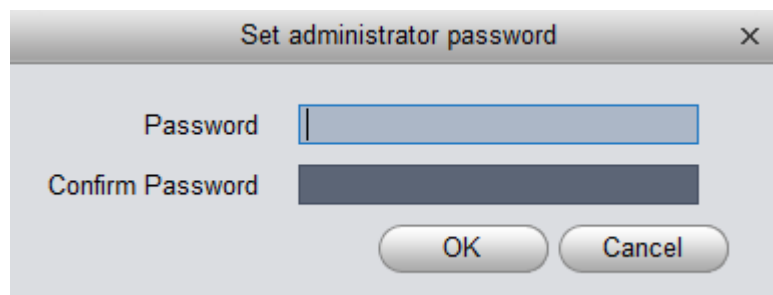


Once the software has finished installing you will see a few options. You will have the options to view the release note and run the Amcrest Surveillance Pro software. To view the release notes after pressing **Finish** select the **Release note** checkbox. To begin running the software directly after pressing finish, select the **Run Amcrest Surveillance Pro** checkbox. When complete, click the **Finish** button to proceed.

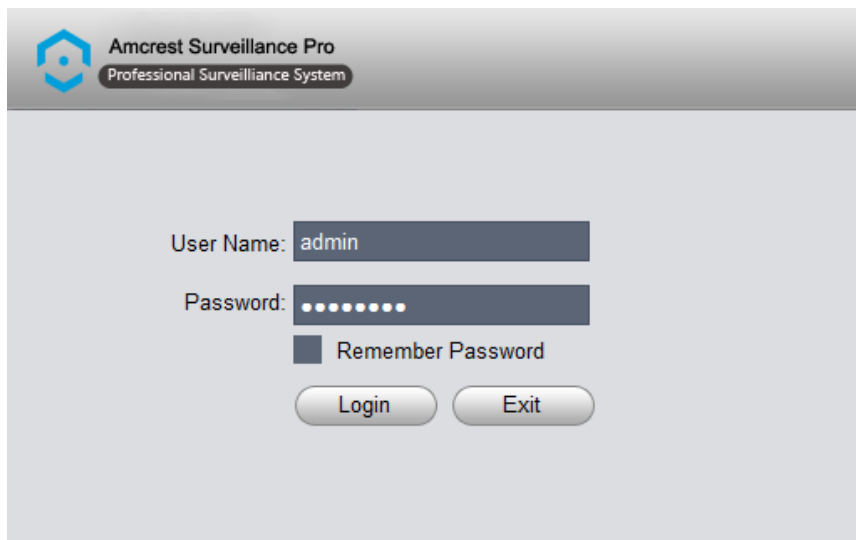


### 2.1.1 Setting a Password

After the installation of the Amcrest Surveillance Pro software you will need to set an administrator password. This password will be set password for the admin account on the software. When a valid password has been entered, confirm the password in the **Confirm Password** field and click **OK** to continue.

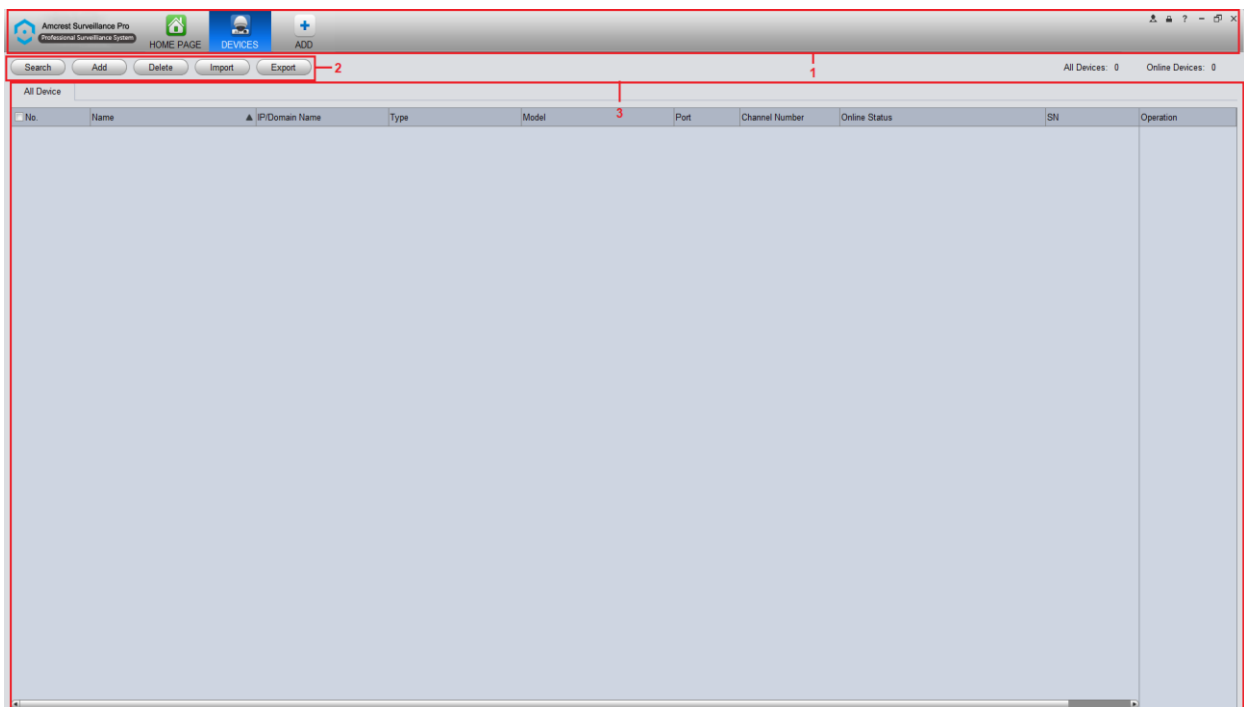


Type the created password into the **Password** field on the next screen and click **Login** to log into the software. If you do not wish to have to retype your password every time you log into the system, click on the **Remember Password** checkbox. If you wish to exit the software, click **Exit**.



## 2.2 Main Interface Overview

When you first log into the software you will be taken to the main interface of the software.



Below is a description of the items listed in this menu.

<b>1. Menu</b>	In this section you can view the home page icons and any currently open functions in the software. Click the <b>Add</b> button to add a function icon to the top pane.
<b>2. Settings Menu</b>	This menu allows you to Search, Add, Delete, or Import, and Export settings of devices connected to your network.
<b>3. All Devices</b>	This menu allows you to view all added devices associated with the software.



## 2.2.1 Adding Devices into Amcrest Surveillance Pro

To provide the highest efficiency and security when adding a device into the Amcrest Surveillance Pro software it is highly recommended to add the device using a direct IP address as opposed to using a P2P connection. Using a direct IP provides a direct connection to your device without the use of utilizing a P2P server.

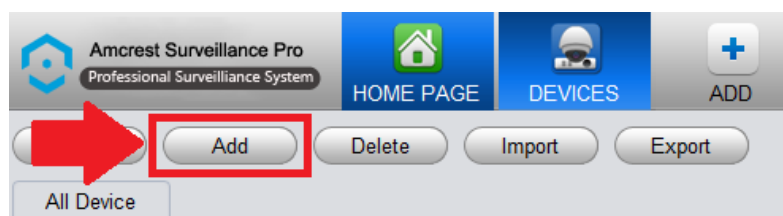
### Direct IP Connection

To begin adding a camera, you will need the IP address of the device. To obtain the IP address for your device, it is recommended to download the Amcrest IP Config tool. To get the Amcrest IP Config tool, go to [amcrest.com/downloads](http://amcrest.com/downloads) and click on the IP Config software link for either PC/Windows or Mac OS. Launch the IP Config tool and locate the IP address for your device. The IP address will be listed in the **IP** field of the software.



No.	Type	Model	IP	TCP Port	HTTP Port	Subnet
1	IPC	IP2M-841B	10.0.27.213	37777	80	255.0.

After locating the IP address in the Amcrest IP Config tool for the device, return to the Amcrest Surveillance Pro software and click on the **Add** button.

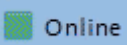



In the add menu, enter a name you would like to assign to your device. In this example, we are using “Front Door Camera”. Next, in the **Method to add** menu, use the default setting “**IP/Domain**”, then enter the IP address and port number of the device being added.

As a reminder, the IP and port number of the device can be located in the IP Config software. The group name will then be applied as **Default Group**, then enter the user name and password for your device. If this is the first time using your device, the default username and password will be **admin**. Click the **Save and Continue** or **Add** buttons to proceed.

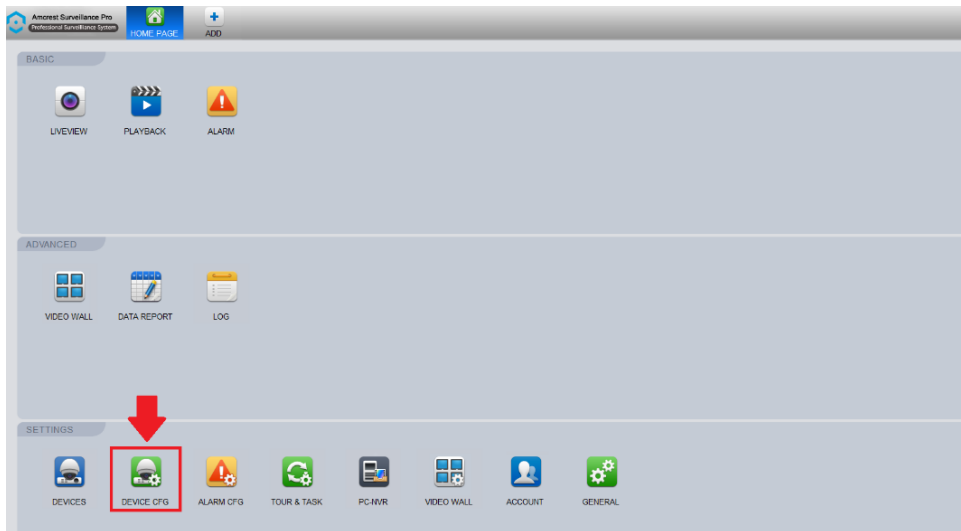
Once the device has been properly added the added device will appear in the **Device** menu.

No.	Name	IP/Domain Name	Type	Model	Port	Channel Number	Online Status	SN	Operation
1	Front Door Camera	10.0.27.213	IPC	IP2M-841B	37777	1/0/1/1	Online ( please change password)	AMC000G7802L58N53M	✎ ⚙️ ✖️

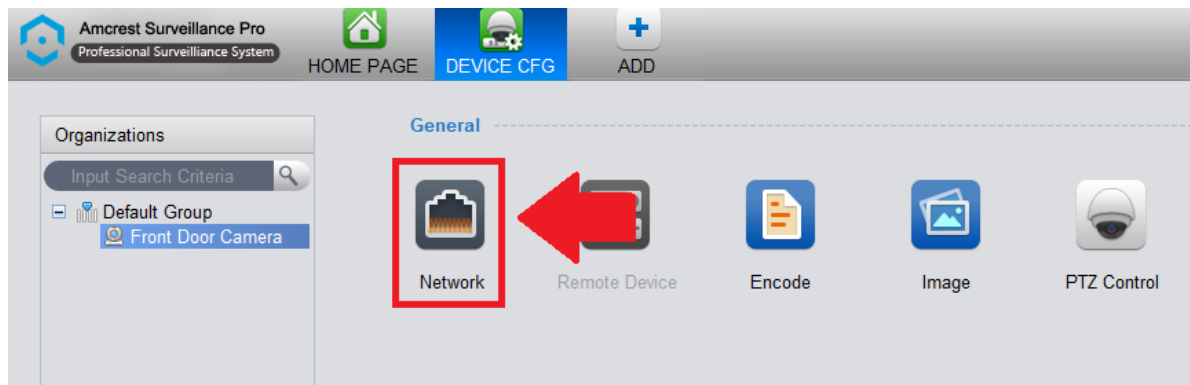
If the device is properly connected in the software, you will notice a  **Online** icon in the **Online Status** field. If the device is not connected properly, click on the online status will be red. To modify settings for your device, click on the  icon located in the **Operation** menu. This menu allows to rename the camera as well as change the port number, username, and password. To update the password, remove the default password and type the new password in this field. When done, click on **Save** to save the information for the device.

## 2.2.2 Setting a Device to a Static IP

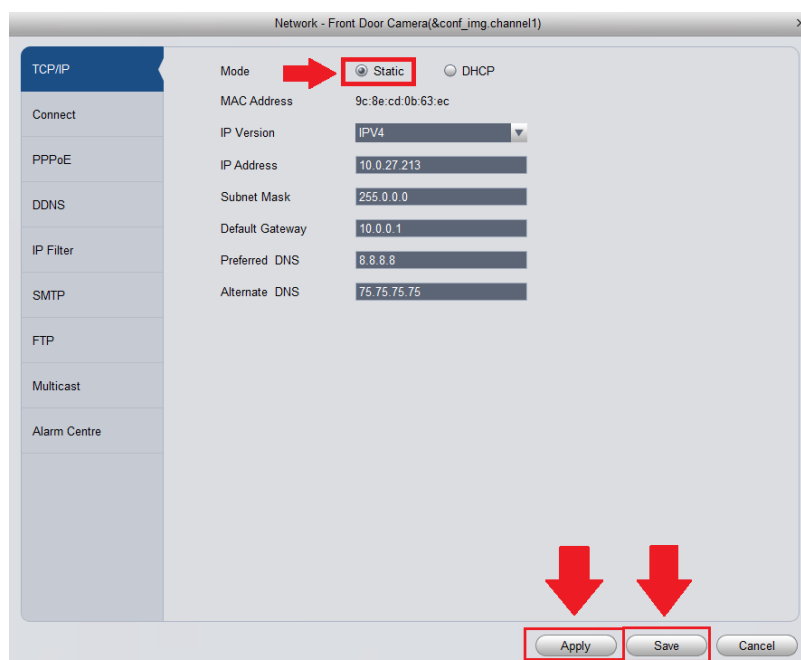
For security purposes it is highly recommended to set the camera to a static IP address. Setting your device to a static IP will ensure the stability and the efficiency of your device while operating it in the Amcrest Surveillance Pro software. To set your device to a static IP, click on the **Home Page** icon and navigate to the **Device Config** menu.



In the **Organizations** menu on the far left, click on the device you wish to modify. Then In the device configuration menu, under **General** click on the **Network** icon to access the network settings for your device.



In the **Network Settings** menu, in the **Mode** section click on the **Static** radio button to set your device to a static IP. Click **Save** and **Apply** to apply the network settings to your device.

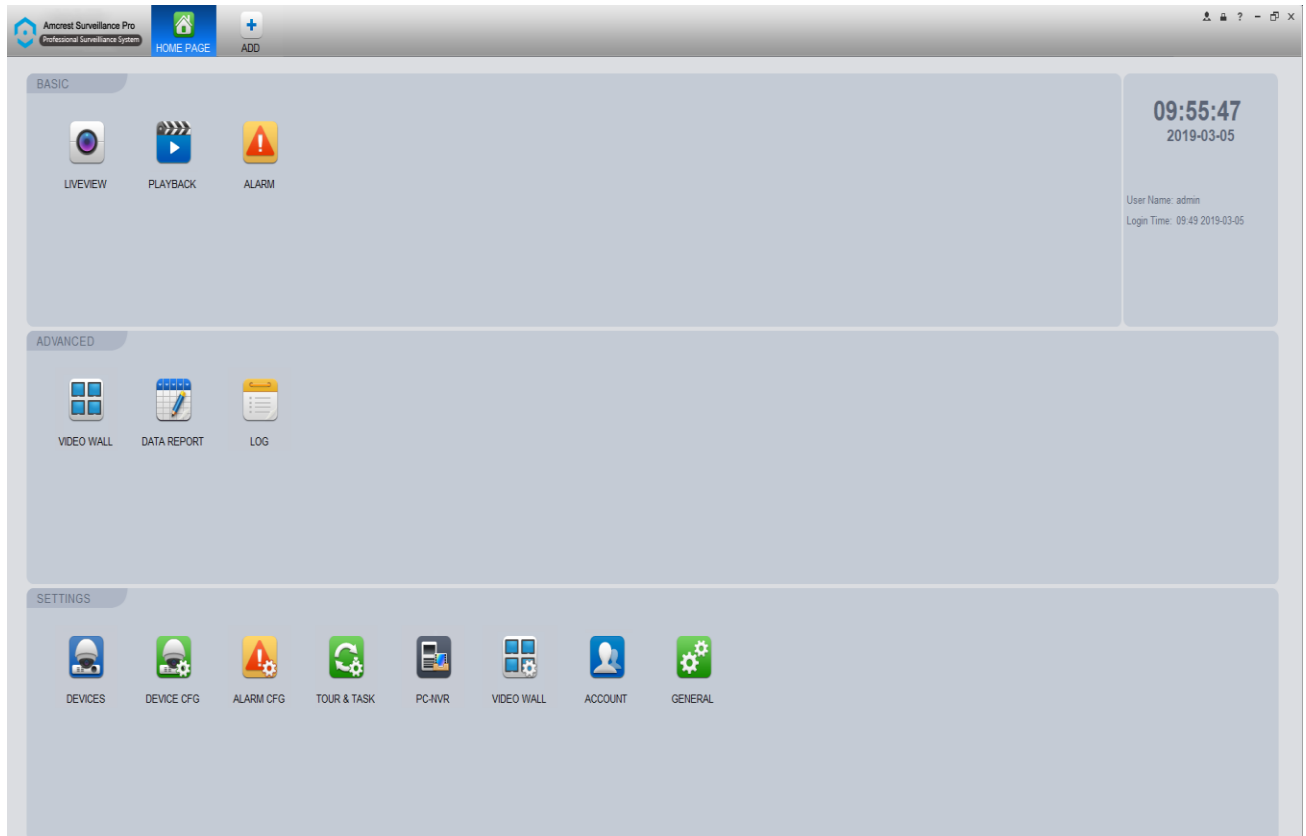


## 2.3 Home Page Overview

To access the **Home Page** for the Amcrest Surveillance Pro software, click on the **Home Page** button in the main interface located at the top menu.



Below is a screenshot of the Home Page menu:



Please refer to the following sheet for detailed information regarding the Home Page.

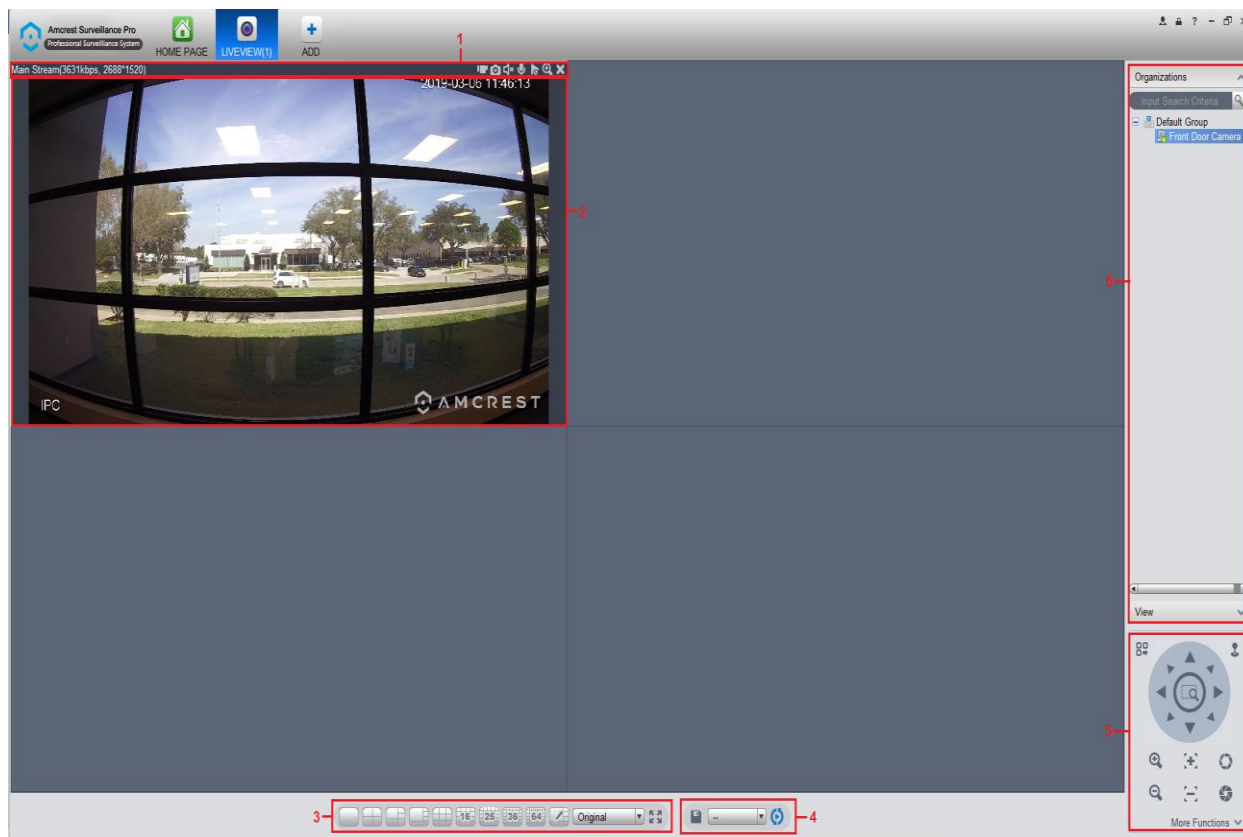
SN	Parameter	Function
1	Basic	This section includes basic features such as, liveview, playback, and alarm management features.
2	Advanced	This section includes advanced features such as, video wall, data reports, and log information.
3	Settings	This section provides access to settings associated with a connected device such as, device configuration, alarm configuration, tour & task, PC-NVR, Video Wall, Account, and General settings.
4	Date & Time	Displays user information, login time, current time and date.

## 3 Basic Operation








### 3.1 Liveview



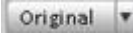




#### 3.1.1 Real-time Liveview

The **Liveview** menu allows users to view and control their already connected device in the Amcrest Surveillance Pro software. Below is a screenshot of the Liveview menu.



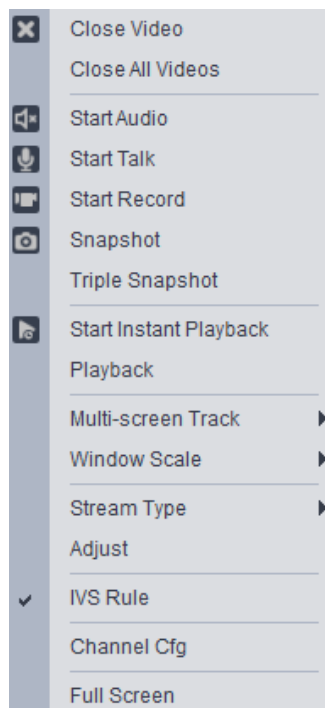
Please refer to the following sheet for detailed information.

SN	Item	Function
1	Bit stream information and shortcut operation menu	<p>Please refer to the following contents for detailed information.</p> <ul style="list-style-type: none"> <li>●  : Enable/disable local record.</li> <li>●  : Snapshot.</li> <li>●  : Enable/disable audio.</li> <li>●  : Enable/disable bidirectional talk.</li> <li>●  : Instant playback.</li> <li>●  : Digital zoom</li> <li>●  : Close current window.</li> </ul>
2	Video window	Real-time video

3	Window split mode	<ul style="list-style-type: none"> <li>●  : Used to set 1-window to 64-window mode.</li> <li>●  : Select a window and then click this button to customize setup.</li> <li>●  : Adjust video scale.</li> <li>●  : Full screen.</li> </ul>
4	Intelligent button	<ul style="list-style-type: none"> <li>●  : Save current liveview as image. You can view under View.</li> <li>●  : Enable tour plan.</li> <li>●  : Close tour plan.</li> </ul>
5	PTZ	This section is used to pan tilt and zoom a connected PTZ enabled device. Click advanced button to set preset, tour, aux function, etc.
6	Organizations	<p>Display device group and the corresponding channel.</p> <p>Here you can create a new group and drag a device to it.</p> <p>Right click a channel, you can select main stream/sub stream or quickly go to the device setup interface.</p>

To view device in the liveview window, double click a device channel on the right pane (organizations menu) to open the video. Double click a group name; you can open all channels under current group. Right click device channel, you can switch between main stream/extra stream.


Right click liveview window, you can see an interface:




Please refer to the following sheet for detailed information.

Item	Function
Close video	Closes the current window.
Close all video	Closes all windows.
Start audio	Enables audio function.
Start talk	Enables bidirectional talk function.
Start record	Save audio/video of current window to a record file.
Snapshot	Snapshot current window. Click it once to save one picture.
Triple Snapshot	Snapshot current window. Will save three pictures by default.
Start instant playback	Enables instant playback in current window.
Playback	Goes to the playback interface to playback record of current window.
Multi-screen Track	Used to view multi-screen views of a selected live screen. It is set to <b>Normal</b> by default but can range to 1+3 or 1+5 modes.
Window scale	Used to adjust the window scale.
Stream type	Allows the user to switch between main stream/sub stream
Adjust	Sets video brightness, contrast, hue and saturation.
IVS Rule	Used to set IVS (SmartIPC) Rules. This is may only be compatible with devices that support IVS functions.
Channel Cfg	Navigates directly to the Device CFG menu. For more information on the Device CFG menu, refer to <i>section 3.6 Device CFG</i>
Full-screen	Switches to full screen mode. You can double click video window or right click mouse and then select exit full screen/press Esc to exit.

### 3.1.2 Manual Record


The manual record button can be found in the shortcut operation menu located in the live view screen. To access, right click the mouse on the live view screen and select record button, or you can click the  button at the top of the video window to record.

When recording has begun, the icon will show a record image  indicating the device is recording. To stop a recording, right click the image again.

The default record save path is Amcrest Surveillance Pro/Record. For more information on how to set a path for recordings, refer to *section 3.4.2. File*.

### 3.1.3 Snapshot

Like the record button, the snapshot button can be found in the shortcut operation menu located in the live view screen.

To access, right click the mouse on the live view screen and select snapshot button, or you can click the  button at the top of the video window to snap a photo. Once a snapshot has been taken you will be taken to a snapshot menu interface.



Select corresponding parameter from the snapshot reason dropdown list and then input the information in the Remarks column. When finished, click **Save** button, you will see a system prompts "Successfully saved snapshot!".

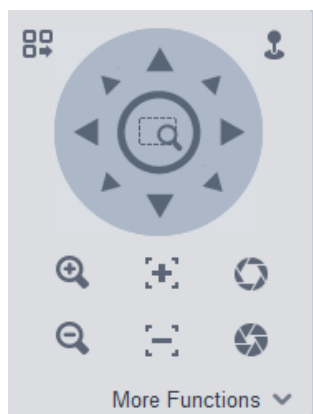
On the Liveview window, right click mouse and then click Triple snapshot, you can snap three pictures at one time. You can see the corresponding dialogue box if the snapshot succeeds.

The default record save path is Amcrest Surveillance Pro/Record. For more information on how to set a path for recordings, refer to *section 3.4.2. File*.




### 3.1.4 PTZ

The **PTZ** menu is in the bottom left corner of the live view window. It is used to pan, tilt, and zoom a PTZ device. Below is a screenshot of the PTZ menu.





Please refer to the following sheet for detailed information.

Item	Function
PTZ menu	Click the PTZ menu  icon to open and close the PTZ menu.
Mouse simulator	Click  , you can use your mouse to set camera movement direction.
Direction buttons	Sets camera movement direction. There are total 8 directions. Top/bottom/left/right/top left/top right/bottom left/bottom right.
3D Positioning	The 3D Positioning icon  is in the center of the PTZ wheel. Click this button to enable 3D positioning on your device if it supports it.
Zoom	The zoom icons (+) and (-) are used to zoom in and out.
Focus	Used to focus the image.
Iris	Used to adjust brightness.
Step	Controls PTZ movement speed. Supports value 1 to value 8.
More Functions	There are 128 presets by default. You can set camera to a specified preset. Use direction keys to move the camera to your desired location and then input preset value. Click Set button, you have set one preset.
Tour	This function allows the camera to move between several presets.
Pan	This function allows the camera to pan in a designated preset set by the user
Scan	Allows the user to set two limits so that the camera can move back and forth and scan a specified area.
Pattern	Allows the camera to memorize set patterns such as pan, tilt, and zoom to repeat.
Aux	Sets the device to aux positioning.

### 3.1.4.1. Preset

The **Preset** function is used to automatically set a connected device to a specified PTZ position in the software. The presets come preinstalled in the Amcrest Surveillance Pro software. There is a total of 128 presets by default.

#### Preset setup

- 1) To set a preset, use the direction keys to move the camera to your desired location.
- 2) Click ▼ dropdown list, select preset; click ⚙️ and click ▼ dropdown list. Select number within 1~128.
- 3) Click ✓ to finish the setup.

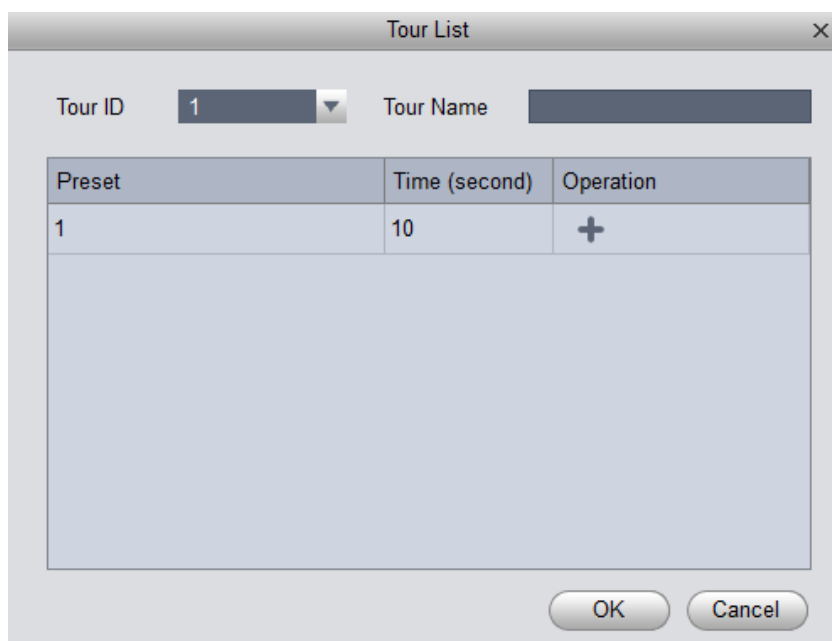
### 3.1.4.2. Tour

The **Tour** function allows the camera to go between several presets in a single setting.

**Note:** Before a tour is set in the system, please set at least two presets prior to setting up a tour.

#### Tour setup

To setup a tour, select the **Tour** option from the dropdown menu and click the ⚙️ to access the tour list menu.

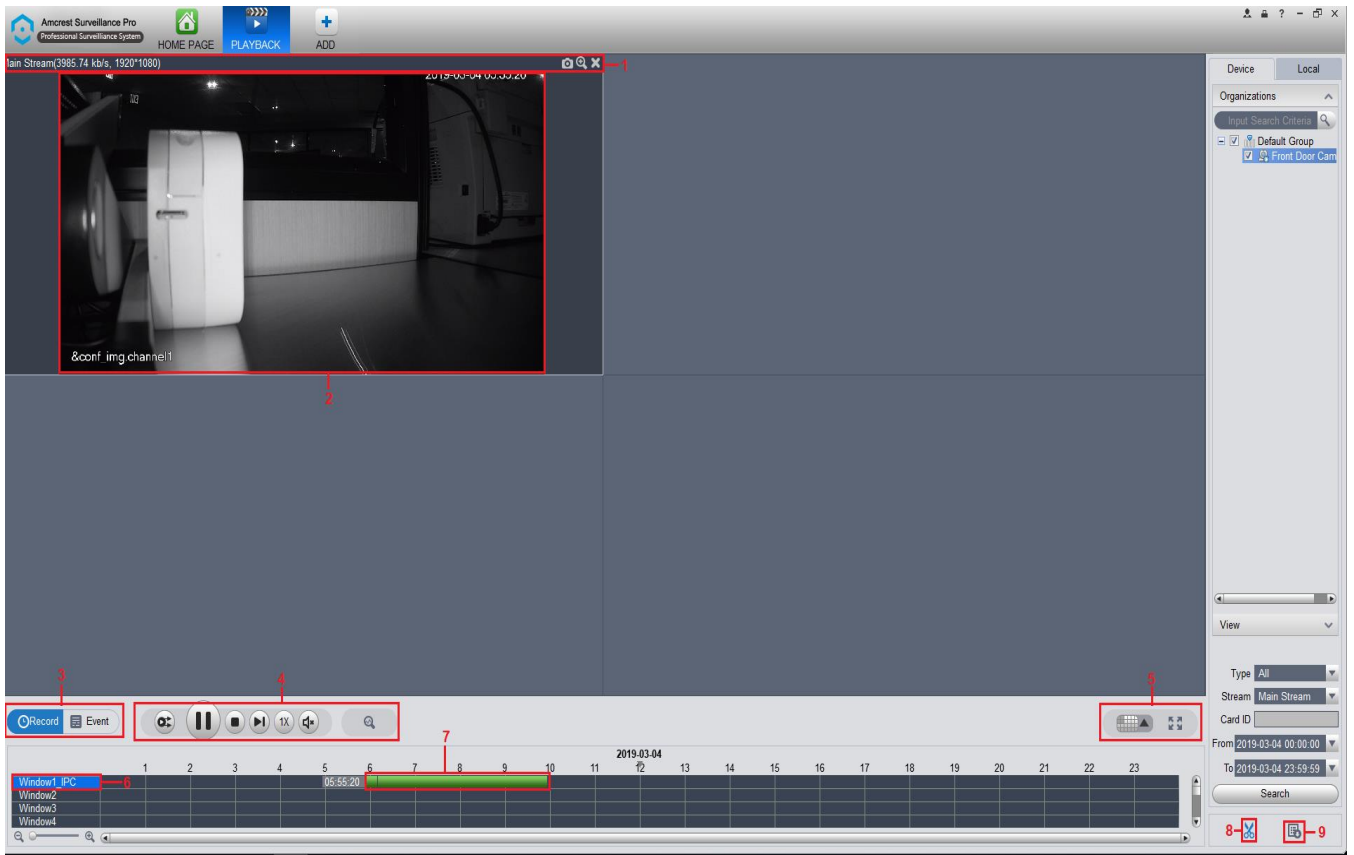


Select the Tour ID from the dropdown list to select set presets, then in the tour name field, give the tour a name. Next, click the + button to add one preset to the tour.




Select another preset number from the dropdown list and then click + button again to add more preset to the tour. Click **OK** button to complete the tour setup. When finished, click the ⏻ button to begin the tour.











## 3.2 Playback

The **Playback** menu allows the user to view playback of recorded material retained on a microSD card or hard drive. Below is a screenshot of the playback menu.



Below is a description of the features listed in this menu:

SN	Item	Function
1	Shortcut / operation column	There are shortcut operations to download record file and snapshot. <ul style="list-style-type: none"> <li>●  : Snapshot.</li> <li>●  : Zoom in window</li> <li>●  : Close current window.</li> </ul>
2	Playback window	Playback record
3	Mode	There are two playback mode: by Record and Event. Record provides a general timeline in which the recording occurred, and Event provides a list of all recordings that occurred based on a specified time.

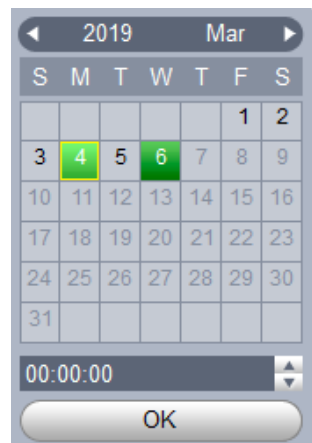
4	Playback tool bar	<p>Controls the playback process, audio etc. :</p> <ul style="list-style-type: none"> <li>●  : Window sync operation button. When this function is enabled, the operation of the playback bar assigned to all windows. When it is in  status, it is for current selected window only.</li> <li>●  : playback and pause button.</li> <li>●  : Stop playback.</li> <li>●  : Forward button.</li> <li>●  : Controls playback speed.</li> <li>●  : Adjusts volume.</li> <li>●  : Motion detect zones. Provides a grid to create motion detection zones on the video.</li> </ul>
5	Window display mode setup	<p>Sets the playback window into split mode. The value ranges from 1-window to 36-windows.</p> <ul style="list-style-type: none"> <li>●  : Select a window and then click this button to generate a customized setup.</li> <li>●  : Full screen mode.</li> </ul>
6	Time bar control	Zoom in and out on the timeline.
7	Time bar	Provides a searchable bar in which to access recordings.
8	Time clip	Edits the time line to download the specified records.
9	Export process	Exports the records of a specified period.


### 3.2.1 Playback Local Record

In this section we will discuss how to playback and search for a recording. To begin, locate the search menu on the bottom right side on the playback interface. A screenshot of the search menu is provided below:

To begin, click on which device you would like to choose from in the **Organizations** menu listed on the far-right side of the playback interface. Once a device has been selected, choose which type of recording you would like to access from the **Type** dropdown menu. To view all recordings, select **All Records** from the dropdown list. Next, select the stream and if applicable, the Card ID. Most devices will not be featured with a Card ID and will be grayed out by default.

All recordings will be displayed in a 24-hour time frame format. Click on the dropdown menu listed in the **From** field and select a start date in which to access a recording from using the built-in calendar. Repeat the same process in the **To** field. If a recording is present on the device, the day will be highlighted green as shown in the image below:






When a proper date has been chosen, click on the **Search** button to begin searching for the recordings. The recordings will then populate in the time bar. To playback a recording, click on the  button. To select recordings by specific events, click on the **Event** tab.

### 3.2.2 Export

To export a recording to your computer or storage device follow the instructions provided below.

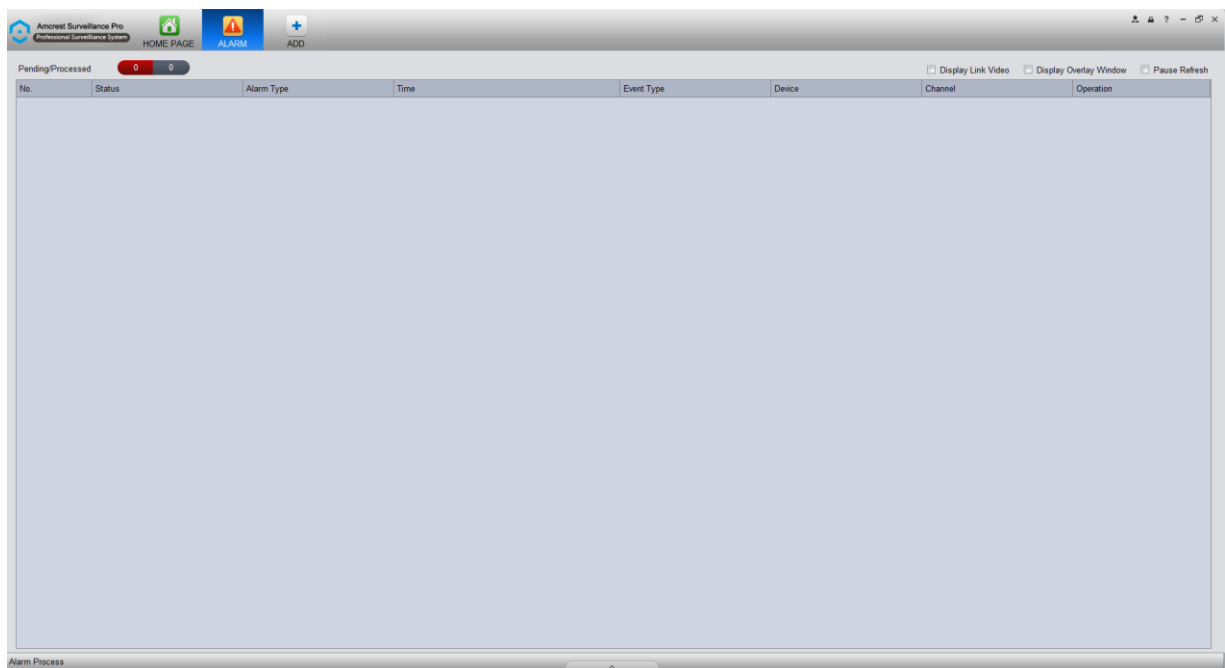
**Note:** Before exporting a recording, make sure the recording is actively playing to clip the recording.

- In Device record interface, select periods on the time line and then click  to export records.

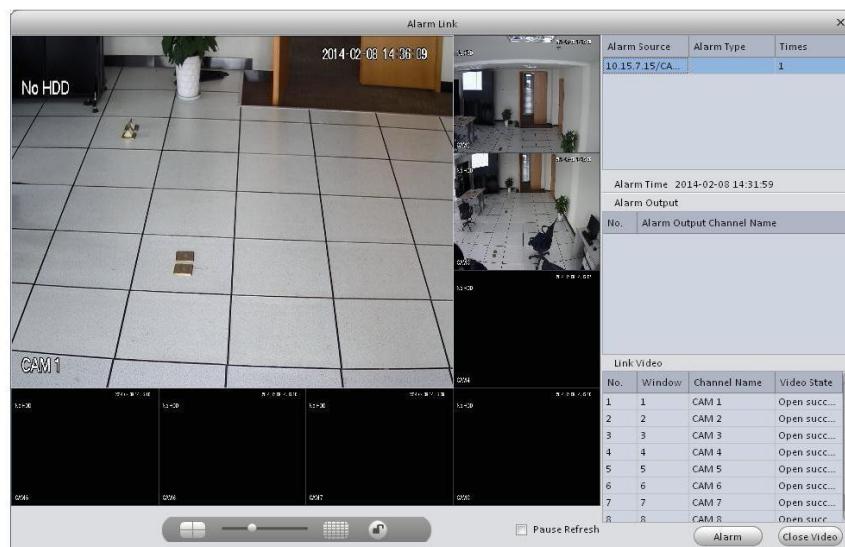
- In Record event interface, select record type and then click  to export records.
- In Local record interface, check the records first and then click  to export the recordings.

### 3.3 Alarm

The **Alarm** menu is used only if the user has already set an alarm scheme. For more information on how to set an alarm scheme, refer to *section 5.4.1. Set Alarm Scheme*. Below is a screenshot of the alarm menu:



If you have set alarm activation video function in your alarm scheme setup, you can see system instantly shows video window.



If you check the box at the bottom of the interface to pause refresh, the new alarm info will not be shown in alarm list instantly. Click Alarm Manager at the right bottom of the interface, system goes to the alarm manager interface for you to view the corresponding alarm record.

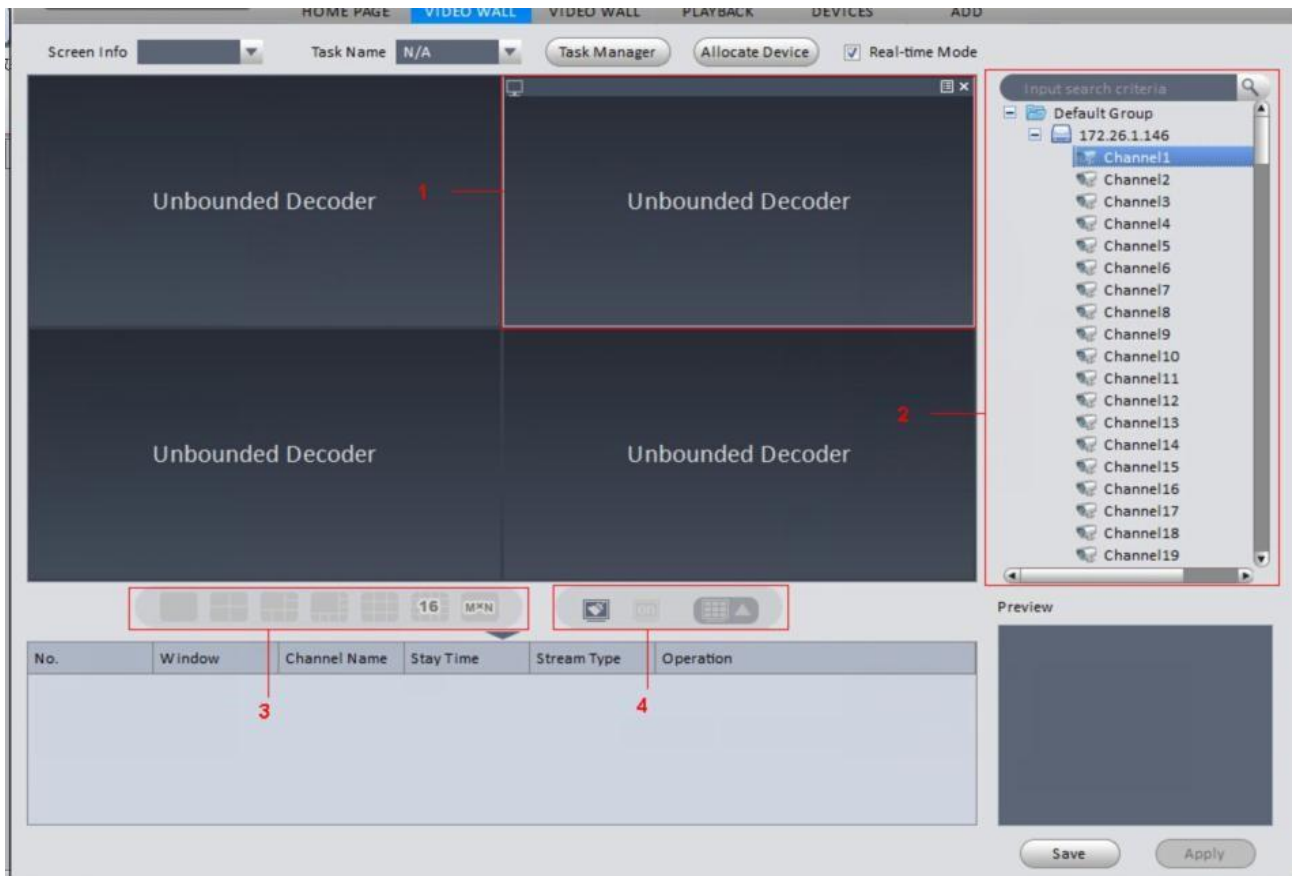
## 4 Advanced

The **Advanced** section allows users to set video wall settings and access data and log reports.

### 4.1 Video Wall





The **Video Wall** menu can only be used only after a video wall has already been set by the user. For more information on how to set a video wall, refer to *section 5.6. Video Wall Configuration*.

Below is a screenshot of the video wall interface.



Below is a description of the features listed in this menu:

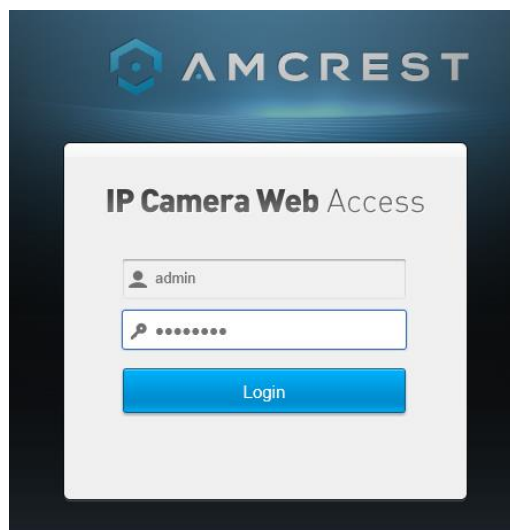
SN	Item	Function
1	Video window	Connect to NVD : Video window is fixed, cannot be dragged. Connect to M30 : Video window can be moved, max is 16.
2	Video channel	Shows a list of connected devices in the software.

3	Video open window	Connect to device: Select one video window, click  to open 1*1, 2*2, 3*3, 4*4 layouts of windows.
4	Clear screen, open/close window	 : Clear all video channels or layouts on screen.  : Screen on/off setup to open/close TV wall display.  : Clear screen and open window.

Select corresponding video wall from the screen information dropdown list. You can check to select real-time mode if necessary. Once you enable real-time mode, system automatically output the video to the video wall after you complete the setup. Otherwise, it will not output the video to the video wall.

Drag the channel on the right pane to the corresponding screen and then binding. You can view details of binding video in Internet Explorer.



1. In IE, enter the IP address for your device.
2. Download the plugin for the browser.
3. After download is complete, system pops up login interface.



4. Enter username and password, click Login to view details of bound video source. Default username and password is admin/admin.
5. Click save as task button, you can see system pops up a dialogue box for you to input task name.
6. Please input task name and click Save button.
7. Click Output video.

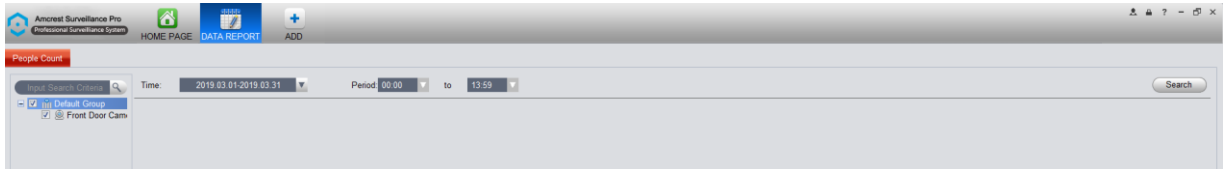
You can select video wall task from the task name dropdown list and then click the Output video button to view the video.



Click task manager, you can view current task status. Or you can select one task and click  or  to modify or delete current task.

## 4.2 Data Report

The **Data Report** tab allows users to access reports on alerts or errors that have been triggered by the device in a specified period of time. Below is a screenshot of the data report menu:

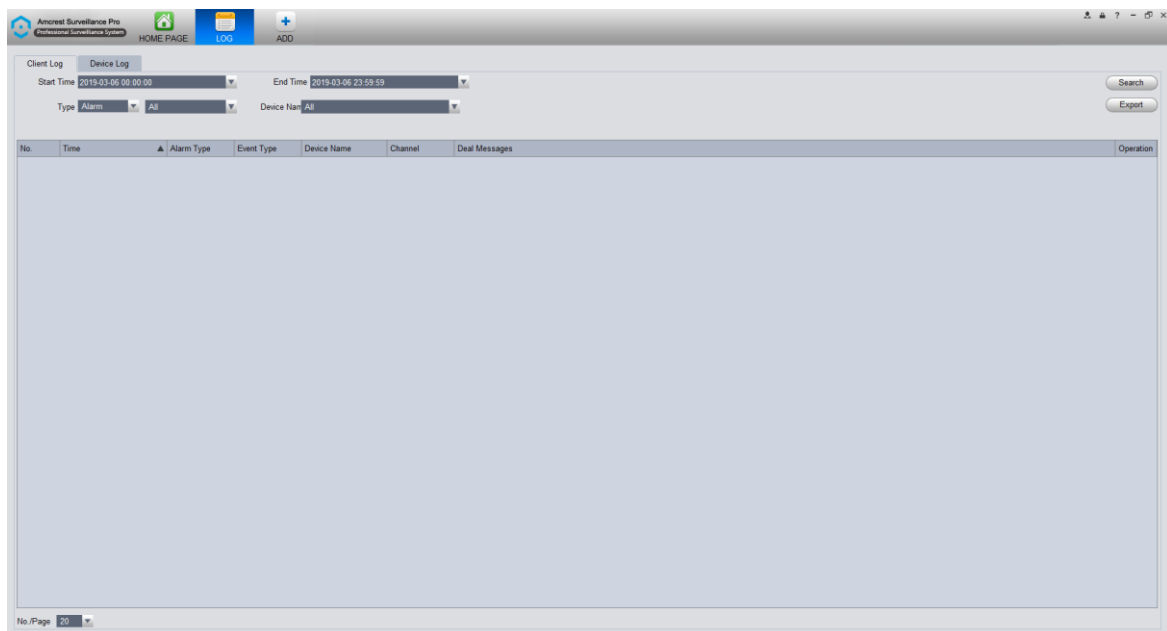


To access a data report, select the device you would like to access the data report from in the **Input Search Criteria** menu. Check the box next to the device and in the **Time** dropdown menu, specify a date you would like to search. Enter a specific time in the **Period** menu.

It is recommended to use the default time span of 00:00 and 13:59. To generate a data report, click on the **Search** button. The software will generate a data report for all times listed.

## 4.3 Log

The **Log** menu allows users to access log information retained in the system from a selected device. Below is a screenshot of the log menu:



There are two logs that can be viewed in the software, first is **Client Logs** and the second is **Device Logs**. Client logs will show logs based on user information and the device log will show logs based on device information.

To view logs, select which type of log information you would like to pull and enter a start time/end time and select type from the dropdown list. Choose the type of log from the dropdown menus and select a device name. Click **Search** button to generate any log information. To export the file to your computer, click on the **Export** button.

## 5 Settings

The **Settings** menu allows users to access and customize settings for a connected device. For more information on items listed in the settings menu refer to the information provided below.

### 5.1 Devices

This menu allows the user to add, modify, or delete a device from the software. To access the device manager menu, navigate back to the home page and click on the **DEVICES** icon located in the settings menu. For more information on the **Devices** menu, refer to *section 2.2. Main Interface Overview*.

#### Search

The **Search** option allows users to automatically search for connected device on the same network as the Amcrest Surveillance Pro software. Below is a screenshot of the Auto Search menu:

No.	IP	Type	Mac	Port
-----	----	------	-----	------

To begin searching for a device, ensure the correct device segment range is entered the **Device Segment** fields and click **Search**. A list of detected devices will appear. Check the device you would like to add into the software and click **Add** to begin adding the device into the system. For more information on adding a device, refer to *section 2.1.3. Adding Devices into Amcrest Surveillance Pro*

#### Add

The **Add** button allows the user to manually add a new device into the software. Below is a screenshot of the **Manually Add** menu:

Below is a description of the features listed in this menu:

Item	Function
Device name	Allows the user to provide a name for their device.
Method to add	By IP/domain and SN. <b>For optimal use with the software it is highly recommended to always add a device via IP/Domain.</b>
IP/Domain name	Device IP address or domain name.
Port	Device IP port. It is 37777 by default.
Group Name	You can choose one group.
User name	The username for your device.
Password	The password for your device.

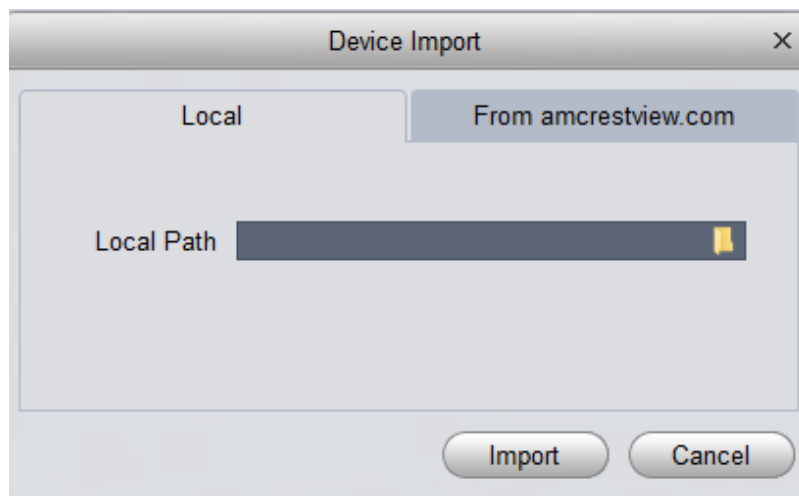
For more information on how to manually add a camera into the Amcrest Surveillance Pro software, refer to *section 2.1.3. Adding Devices into Amcrest Surveillance Pro.*


### Delete

To delete a device from the device menu, check which device you would like to delete from the **No.** menu. Once selected, click on the **Delete** button. This will delete the device from the software.

## Import

The **Import** button allows the user to batch import local config in .xml format. Or you can import with an amcrestview.com account.

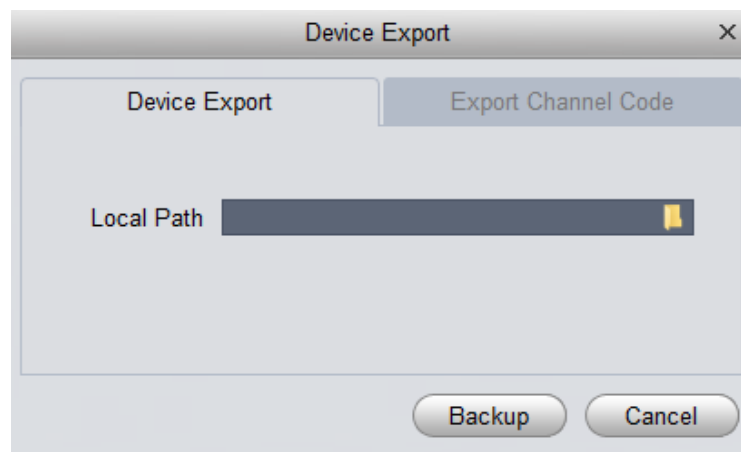



To import a config file, click on the  icon located in the **Local Path** menu. Once the file is loaded, click on the **Import** button to import the file to the selected device.

To import a config file from your amcrestview.com account, click on the **From amcrestview.com** tab and input the username and password for your account, then click **Import** to begin importing.

## Export

The **Export** button allows the user to batch export local config in .xml format. Below is a screenshot of the **Device Export** menu:






To export a config file, click on the  icon located in the **Local Path** menu. Once a path is located, click on the **Backup** button to export the config file to the selected destination.

## Operation

Select a device in the list, and then:

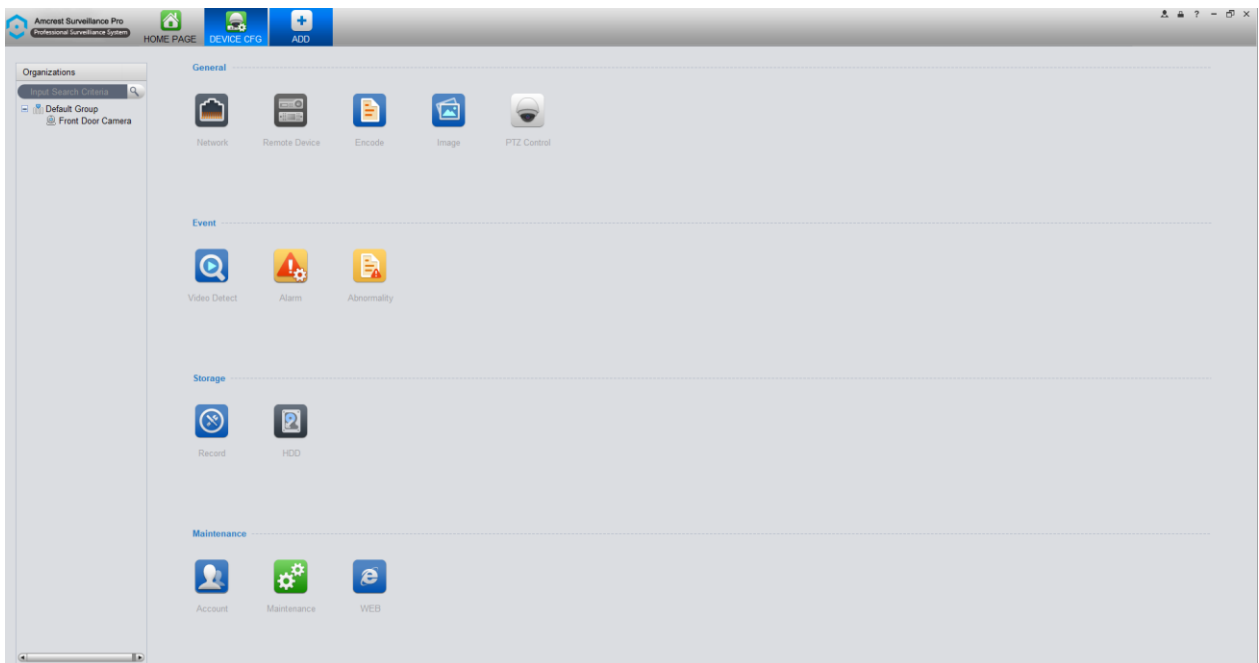
- Click  to modify device settings for an already connected device.

- Click  for quick access to the **Device Config** menu for an already connected device.
- Click  to logout the device manually.
- Click  to delete a selected device from the software.

## 5.2 Device CFG

The **Device CFG** menu allows the user to set configuration parameters for their connected device. These parameters include, General, Event, Storage, and Maintenance settings. To access the **Device CFG** menu, navigate back to the home page and click on the **Device CFG** icon located in the settings menu.

Below is a screenshot of the Device CFG menu:



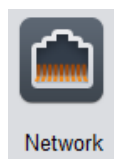
**Note:** To apply any configuration settings in this menu, make sure to select the device you would like to modify from the **Organizations** menu on the far-left side of the screen before proceeding.

### 5.2.1 General

This section allows the user to access features such as, Network, Remote Devices, Encode, Image, and PTZ Control (if applicable) settings for a selected device.

#### 5.3.1.1. Network

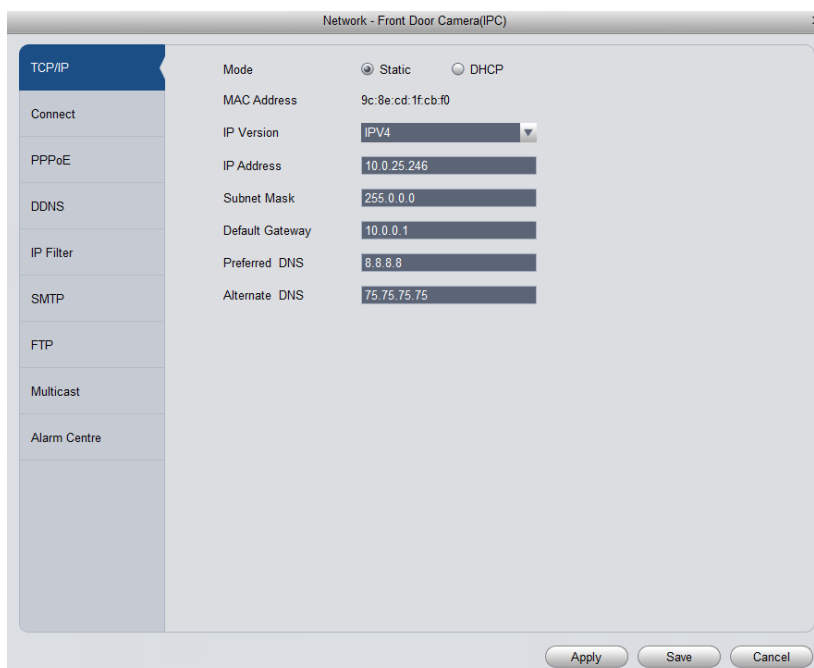
To access the network settings for your device, click on the **Network** icon located in the **General** menu.



This menu will allow you to access such features as, TCP/IP, Connect, PPPoE, DDNS, IP Filter, SMTP, FTP, Multicast, and Alarm Centre.

#### TCP/IP

The TCP/IP tab allows the user to set corresponding parameter when you are using TCP/IP connection.

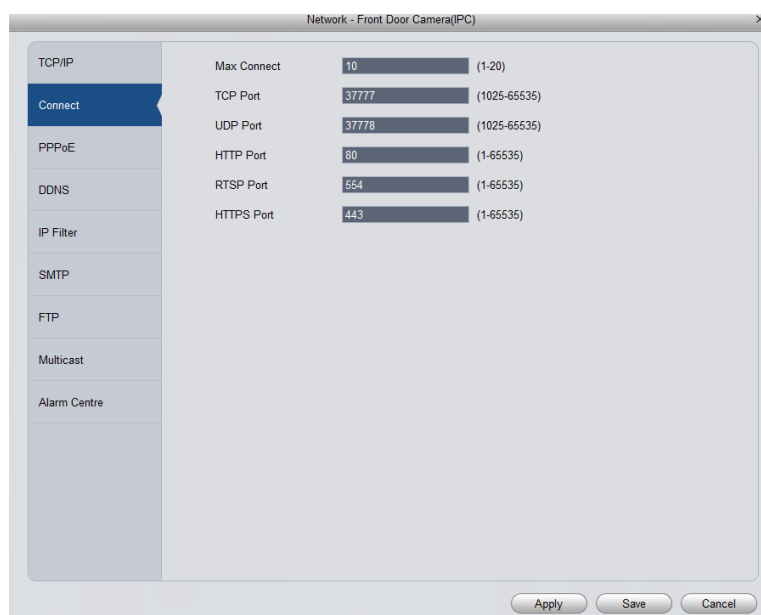


**Note:** For security and efficiency, it is highly recommended to set the mode of your camera to **Static**. This will set the IP address for your device as static. For more information on this subject, refer to *section 2.1.4. Setting a Device to a Static IP*.

To save the settings to the software, click **Apply** and **Save**. Failure to click these options will result in the settings not being applied to the system.

## Connect

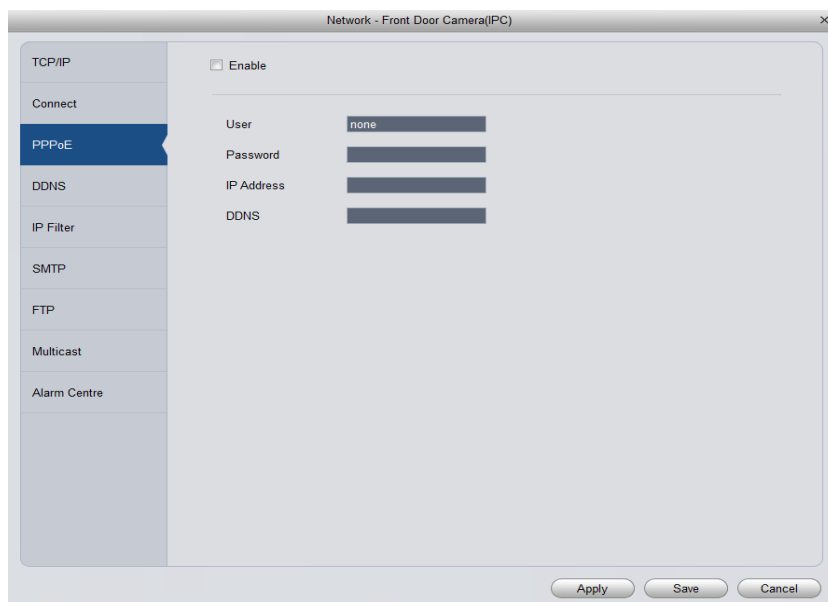
The **Connect** tab allows the user to set max login account amounts, TCP, UDP, HTTP, RTSP, and HTTPS ports associated with a connected device. Below is a screenshot of the connect menu:



To save the settings to the software, click **Apply** and **Save**. Failure to click these options will result in the settings not being applied to the system.

## PPPoE

The **PPPoE** tab allows users to access PPPoE settings for a connected device. PPPoE stands for Point to Point Protocol over Ethernet, it is a network protocol for encapsulating Point to Point Protocol data packets inside Ethernet frames. Below is a screenshot of the PPPoE menu:



To enable PPPoE, click on the **Enable** checkbox, input the “PPPoE username” and “PPPoE password” you get from your ISP (Internet service provider), the IP address and DDNS information. Click **Apply** and **Save** to save the settings. The software will need to restart to activate your configuration.

After rebooting, device will connect to internet automatically. The IP in the PPPoE is the device dynamic value. You can access this IP to visit the device.

## DDNS

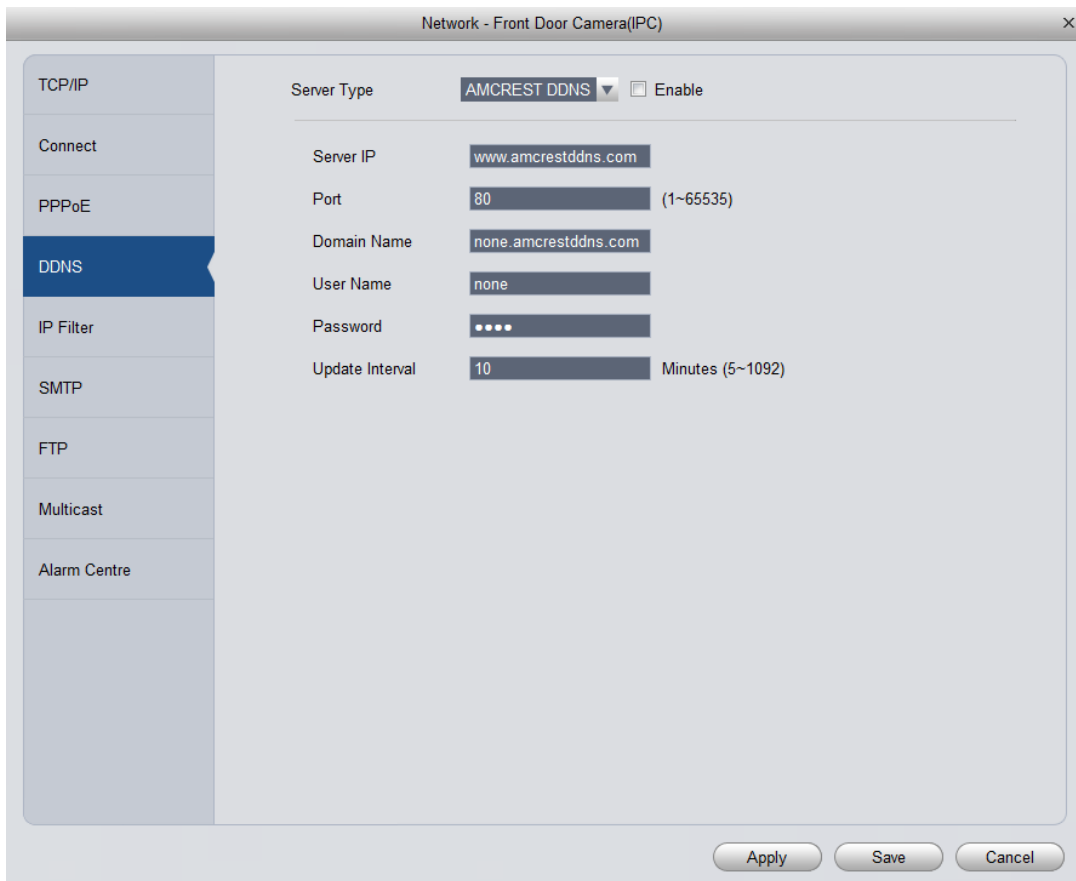
The **DDNS** menu allows users to set DDNS settings for their device in the Amcrest Surveillance Pro software. DDNS stands for Dynamic Domain Name Server. This technology is used to automatically update name servers in real time to help the camera maintain a persistent address despite changes in location or configuration.

What this means is that even when the camera is restarted, moved, or reconfigured, it can keep the same IP address, thus allowing remote users uninterrupted access to the camera, rather than having to request a new IP address to use for remote access anytime a change is made.

You need a PC with a fixed IP to have DDNS software running. In other words, this PC acts as a DNS (domain name server). In network DDNS, please select the DDNS type and highlight enable item. Then please input your PPPoE name you get from you IPS and server IP (PC with DDNS). Click the **Apply** and **Save** buttons to allow the software to reboot.

After rebooting, open IE and input as below:

**http : //(DDNS server IP)/(virtual directory name)/webtest.html**



Please refer to the following sheet for detailed information.

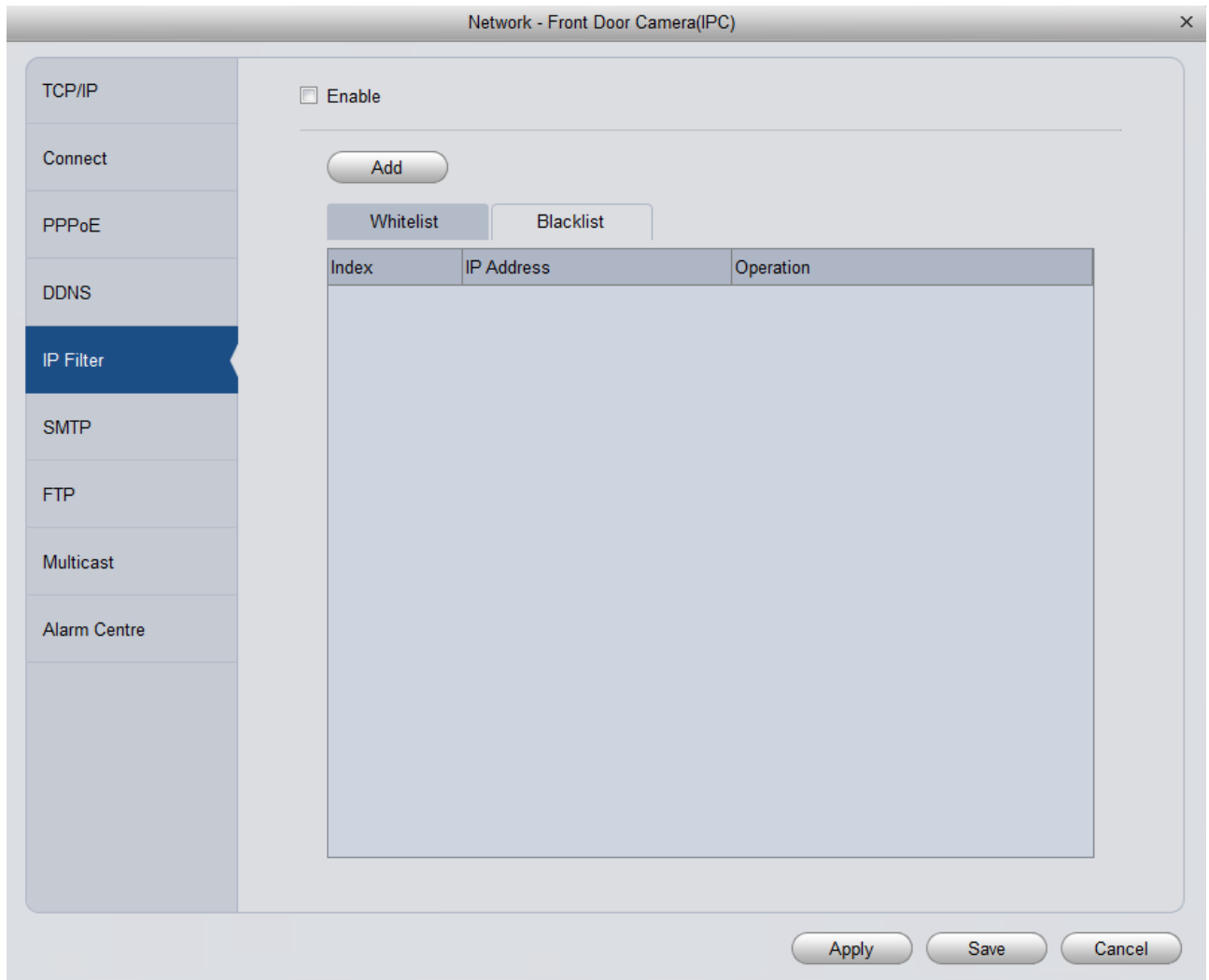
Parameter	Function
Server Type	You can select DDNS protocol from the dropdown list and then enable DDNS function. <b>AMCRESTDDNS</b> is recommended.
Server IP	DDNS server IP address.
Server Port	DDNS server port.
Domain Name	Your self-defined domain name.
User	The user name you input to log in the server.
Password	The password you input to log in the server.
Update interval	Device sends out alive signal to the server regularly. You can set interval value between the device and DDNS server here.

### IP Filter

The **IP Filter** tab allows for the filtering of IP addresses, either blocking them, or granting them access to the camera. This feature helps make the connected device more secure by limiting remote access only to approved users.



Below is a screenshot of the IP Filter screen:



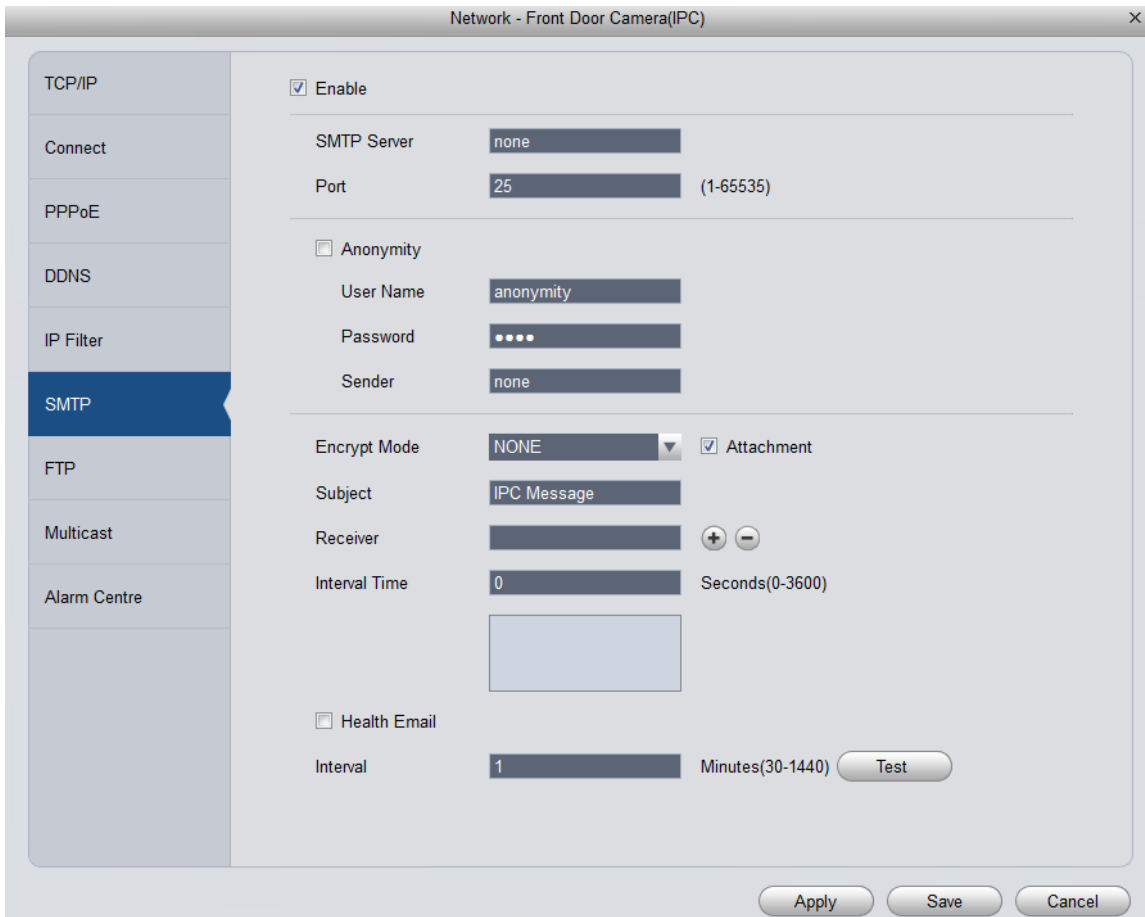
After you enabled whitelist function, only the IP listed below can access current device.

If you enable blacklist function, the following listed IP addresses cannot access current device.

To save the settings to the software, click **Apply** and **Save**. Failure to click these options will result in the settings not being applied to the system.

## SMTP

The **SMTP** tab allows for the configuring of email settings to permit the camera to send emails when an alarm is triggered. Below is a screenshot of the email settings screen:



Please refer to the following sheet for detailed information.

Parameter	Function
Enable	Please check the box here to enable email function.
SMTP Server	Input server address and then enable this function.
Port	Default value is 25. You can modify it if necessary.
Anonymity	For the server supports the anonymity function. You can auto login anonymously. You do not need to input the user name, password and the sender information.
User Name	The user name of the sender email account.
Password	The password of sender email account.
Sender	Sender email address.
Encryption mode	System supports SSL/NONE/TLS.
Subject	Input email subject here.
Attachment	System can send out the email of the snapshot picture once you check the box here.
Receiver	Input receiver email address here. Max three addresses.

Interval	The send interval ranges from 0 to 3600 seconds. 0 means there is no interval. Please note system will not send out the email immediately when the alarm occurs. When the alarm, motion detection or the abnormality event activates the email, system sends out the email according to the interval you specified here. This function is very useful when there are too many emails activated by the abnormality events, which may result in heavy load for the email server.
Health mail enable	Please check the box here to enable this function.
Health mail interval	This function allows the system to send out the test email to check the connection is OK or not. Please check the box to enable this function and then set the corresponding interval. System can send out the email regularly as you set here.
Test	The system will automatically send out an email once to test the connection is OK or not .Before the email test, please save the email setup information.

## FTP

The **FTP** tab allows users to set FTP protocol settings to their device. This allows recordings and events to be sent and retained to an external FTP server set by the user. Below is a screenshot of the FTP menu:

- **Enable:** This checkbox allows the user to enable FTP uploading for the camera's recorded media.
- **Host IP** This field allows the user to designate a DDNS address for the FTP server.
- **Port:** This field allows the user to designate the port number for the FTP server.
- **User Name:** This field allows the user to input the username used to login to the FTP server.
- **Password:** This field allows the user to input the password used to login to the FTP server.
- **Remote Directory:** This field allows the user to specify a remote directory on the FTP to send the recorded media to.
- **File Length:** This field allows the user to set, in minutes, the max length of files that can be sent to the FTP server.
- **Upload Interval:** This field allows the user to set, in seconds, the max amount of upload intervals it takes for a file to load to the FTP server.
- **Channel:** Selects which channel the recording schedule will be applied.
- **Week:** Allows the user to specify specific days the schedule will apply.
- **Period 1 (2):** There are a total of 2 periods that can be set for FTP. Select the time frame you would like to apply the recording reschedule to as well as the event type (Alarm, MD, or Others)

To save the settings to the software, click **Apply** and **Save**. Failure to click these options will result in the settings not being applied to the system.

## Multicast

Multicast is a transmission mode of data packet. When there is multiple-host to receive the same data packet, multiple-cast is the best option to reduce the broad width and the CPU load. The source host can just send out one data to transit. This function also depends on the relationship of the group member and group of the outer.

The screenshot shows a web interface window titled "Network - Front Door Camera(IPC)". On the left is a sidebar menu with options: TCP/IP, Connect, PPPoE, DDNS, IP Filter, SMTP, FTP, Multicast (highlighted), and Alarm Centre. The main content area is divided into two sections: "Main" and "Assist".

**Main Section:**

- Enable
- Multicast Address: 224.1.2.4 (range: 224.0.0.0-239.255.255.255)
- Port: 40000 (range: 1025-65535)

**Assist Section:**

- Enable
- Dropdown menu: Extra1
- Multicast Address: 224.1.2.4 (range: 224.0.0.0-239.255.255.255)
- Port: 40016 (range: 1025-65535)

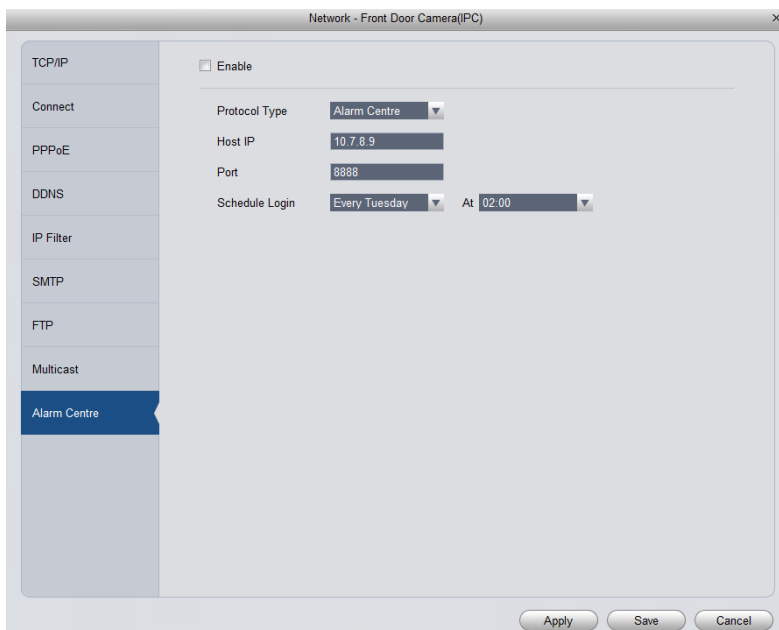
At the bottom right of the window are three buttons: "Apply", "Save", and "Cancel".

To save the settings to the software, click **Apply** and **Save**. Failure to click these options will result in the settings not being applied to the system.

## Alarm Centre

The **Alarm Centre** tab allows the user to upload alarm signals to a host IP address when a local alarm occurs.

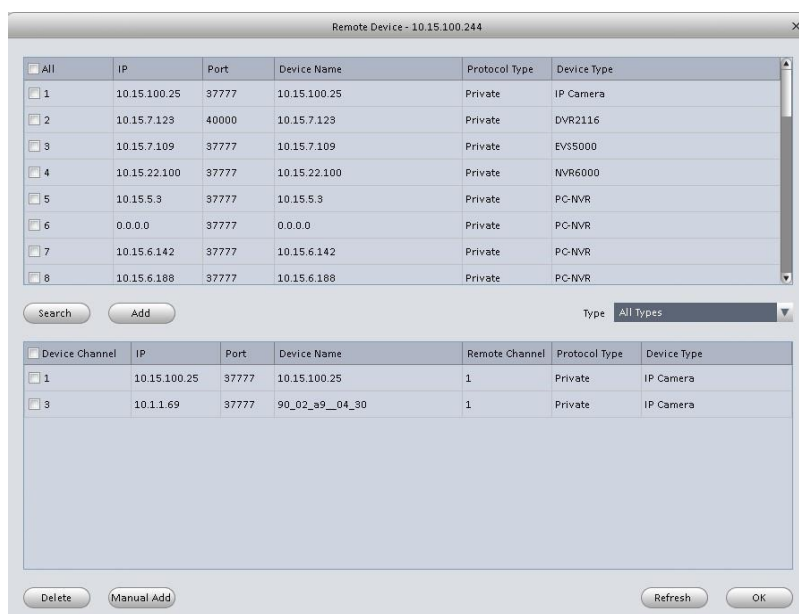
Before you use alarm centre, please set server IP, port etc. When an alarm occurs, system can send out data as the protocol defined, so the client-end can get the data.



To save the settings to the software, click **Apply** and **Save**. Failure to click these options will result in the settings not being applied to the system.

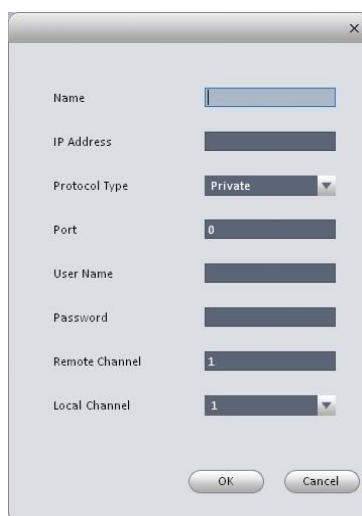
### 5.3.1.2. Remote Device

The **Remote Device** menu allows users to add a remote device manually or automatically.



Click Search device button, system can list all the devices on the same IP section. Select a device and then click Add button; you can add a remote device.

Click Manual add button, System pops up the following dialogue box. Please input the corresponding information and then click OK button to add a remote device.



The dialog box contains the following fields and values:

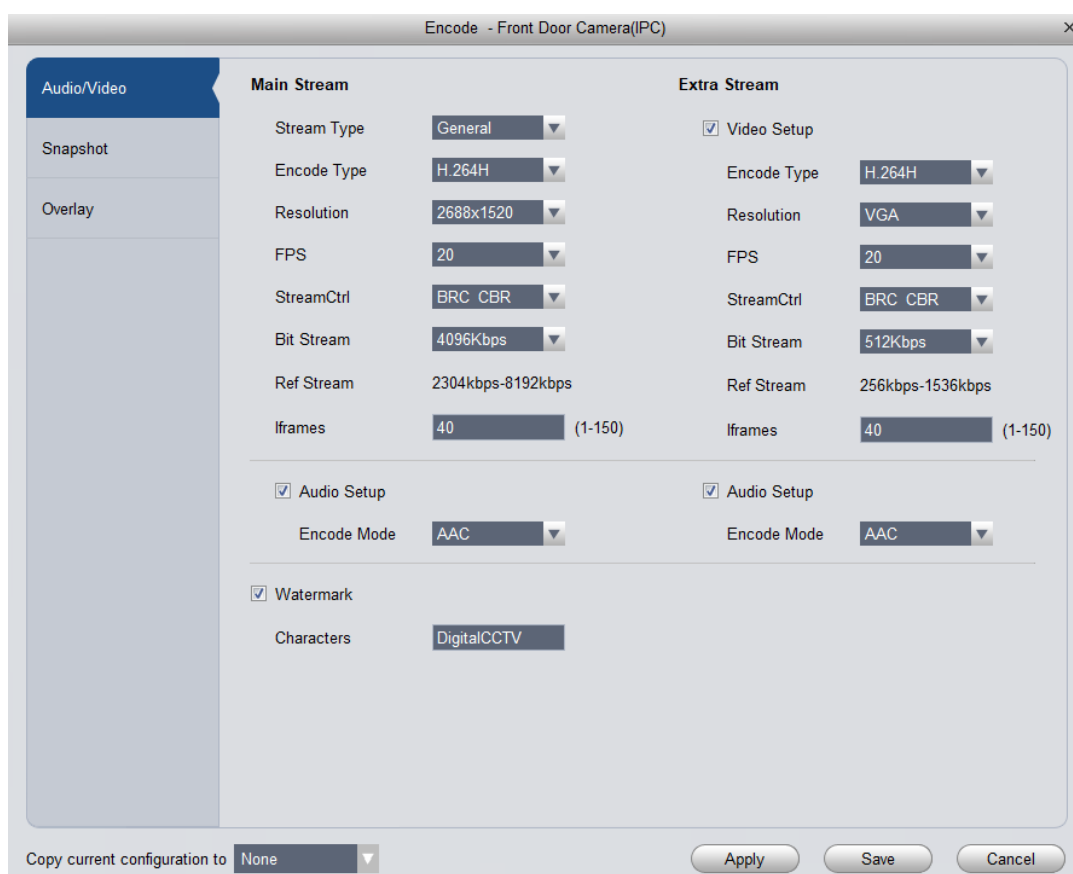
Field	Value
Name	
IP Address	
Protocol Type	Private
Port	0
User Name	
Password	
Remote Channel	1
Local Channel	1

### 5.3.1.3. Encode

The **Encode** menu allows users to modify and view Audio/Video, Snapshot, and Overlay settings associated with a connected device.

#### Audio/Video

The **Audio/Video** tab allows users to view and modify quality features associated with a connected device. Below is a screenshot of this menu:



The screenshot shows the 'Encode - Front Door Camera(IPC)' window with the following settings:

Section	Parameter	Value
Main Stream	Stream Type	General
	Encode Type	H.264H
	Resolution	2688x1520
	FPS	20
	StreamCtrl	BRC CBR
	Bit Stream	4096Kbps
	Ref Stream	2304kbps-8192kbps
	Iframes	40 (1-150)
	Audio Setup	Checked
	Encode Mode	AAC
Watermark	Checked	
Characters	DigitalCCTV	
Extra Stream	Video Setup	Checked
	Encode Type	H.264H
	Resolution	VGA
	FPS	20
	StreamCtrl	BRC CBR
	Bit Stream	512Kbps
	Ref Stream	256kbps-1536kbps
	Iframes	40 (1-150)
	Audio Setup	Checked
	Encode Mode	AAC

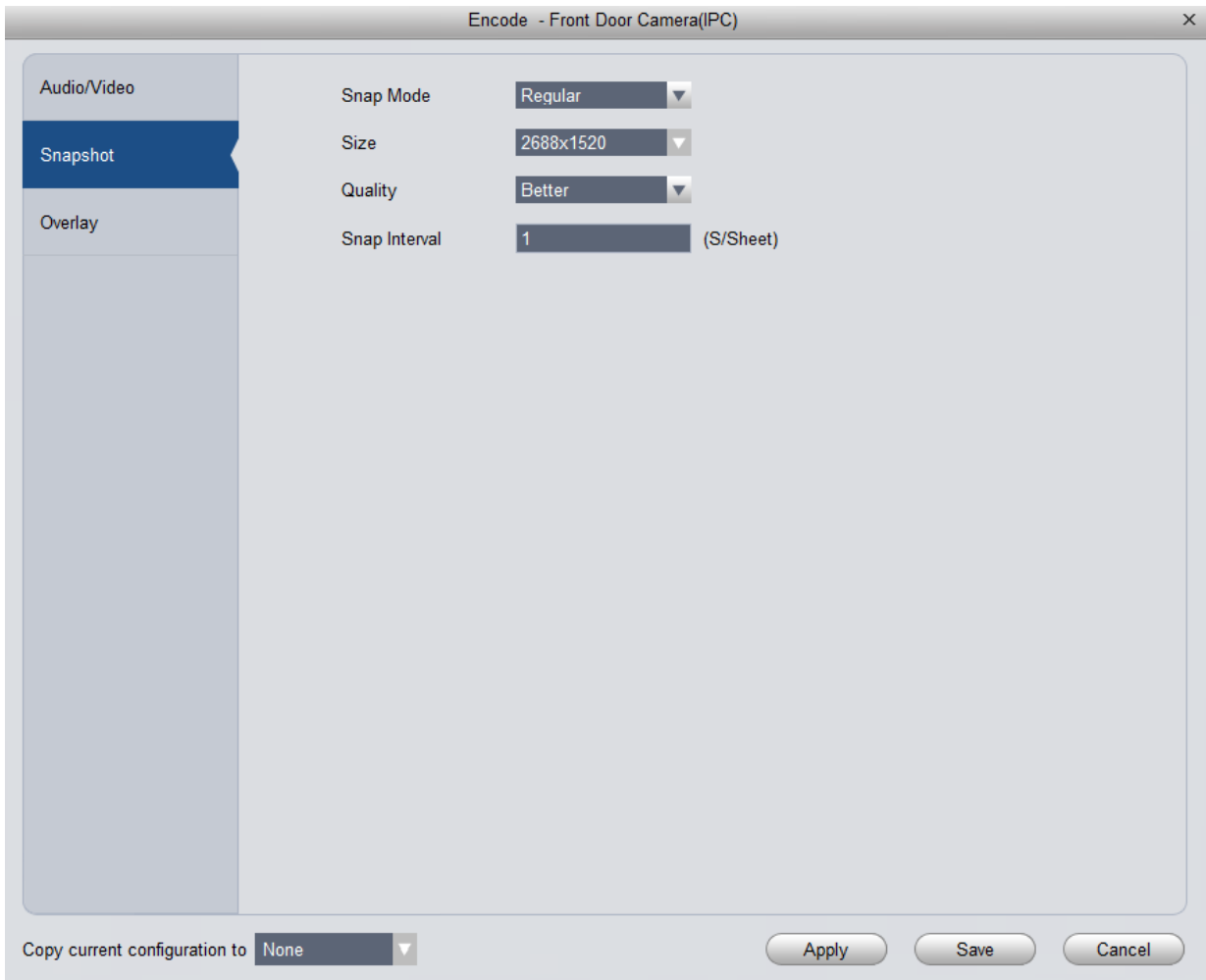
Please refer to the following sheet for detailed information.

Parameter	Function
Stream type	Main stream, motion stream and alarm stream. You can select different encode frame rates form different recorded events.
Encode type	Set audio/video encode mode. Default setup is H.264.
Resolution	System supports various resolutions, you can select from the dropdown list.
FPS	PAL : 1~25f/s ; NTSC : 1~30f/s.
StreamCtrl	Set stream controls; BRC CBR, or BRC VBR
Bit stream	In VBR mode, it is the max value of the bit stream. In the CBR mode, it is a fixed value.
Ref Stream	According to selected encode mode, resolution, display bit stream. (range)
Iframes	Interval between key frames.
Audio Setup	Check the box here to enable audio function and select encode type from the dropdown list.
Watermark enable /watermark character	This function allows you to verify the video is tampered or not. Here you can select watermark bit stream, watermark mode and watermark character.
Copy	Click it to copy current setup to other channel(s).

To save the settings to the software, click **Apply** and **Save**. Failure to click these options will result in the settings not being applied to the system.

### Snapshot

The **Snapshot** tab allows users to set snapshot encode settings for events triggered by a connected device. Below is a screenshot of the snapshot menu:



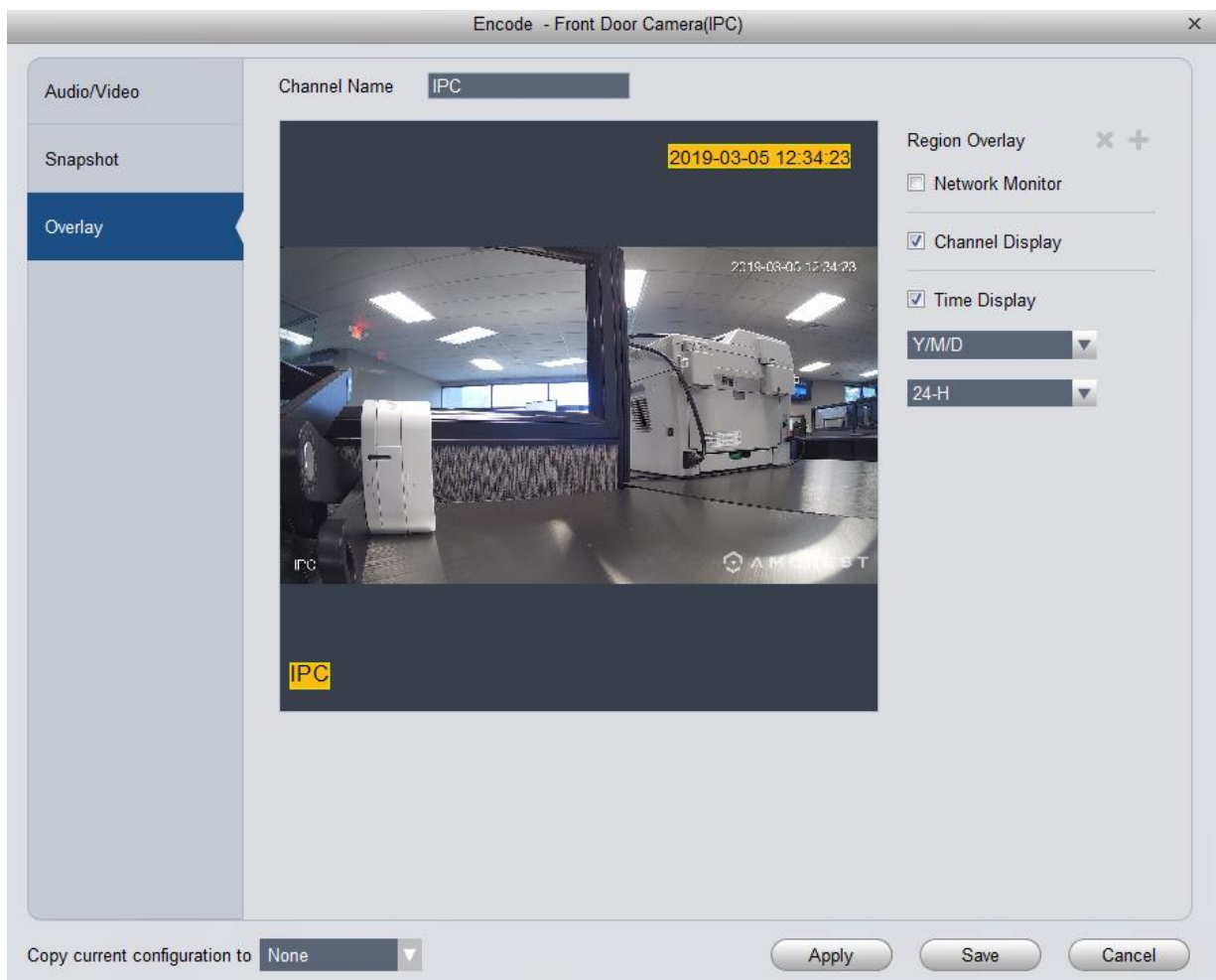
Please refer to the following sheet for detailed information.

Parameter	Function
Snapshot type	There are three modes. <ul style="list-style-type: none"> <li>● <b>Regular:</b> It enables snapshot function as you set on the snapshot plan.</li> <li>● <b>MD:</b> It enables snapshot function when motion detect occurs.</li> <li>● <b>Alarm:</b> It enables snapshot function when an alarm occurs.</li> </ul>
Image size	Set to the resolution of the main stream.
Quality	Sets the image quality.
Interval	Sets snapshot frequency.
Copy	Used to copy current channel setup to other channel(s).

### Overlay

The **Overlay** menu allows the user to set overlay options for their connected devices. The overlays include time/date, channel number, and any other overlays associated with the liveview screen. Below is a screenshot of the overlay menu:





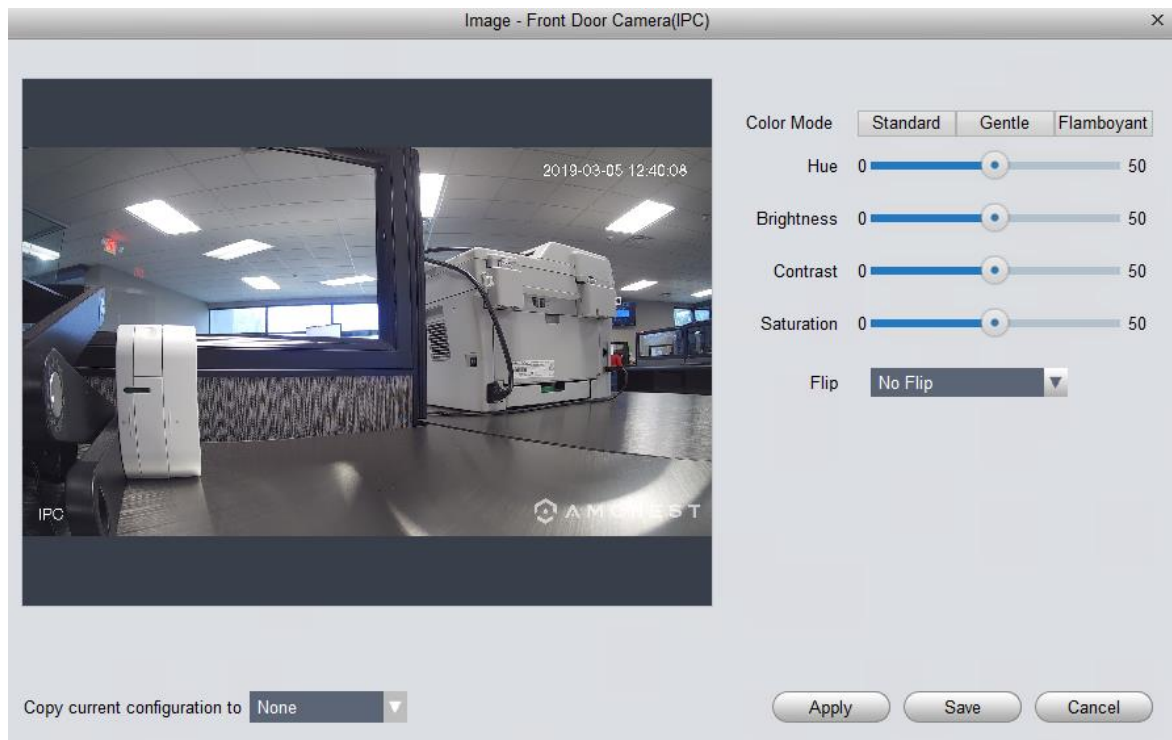
Please refer to the following sheet for detailed information.

Parameter	Function
Channel Name	Set channel name.
Region overlay	Network monitor: Also known as privacy masking it is used to shield the corresponding video under network monitor mode.
Channel display	You can enable this function so that system overlays channel information in video window. You can use the mouse to drag the channel title position.
Time display	You can enable this function so that system overlays time information in video window. You can use the mouse to drag the time title position. You can view time title on the live video of the WEB or the playback video.
Date format	Select date format from the dropdown list if you want to overlay date information.
Time format	Select date format from the dropdown list if you want to overlay time information.
Copy	Click it; you can copy current channel setup to other channel(s).

To save the settings to the software, click **Apply** and **Save**. Failure to click these options will result in the settings not being applied to the system.

#### 5.3.1.4. Image

The **Image** menu allows the user to modify image quality settings associated with a connected device. Below is a screenshot of the image menu:

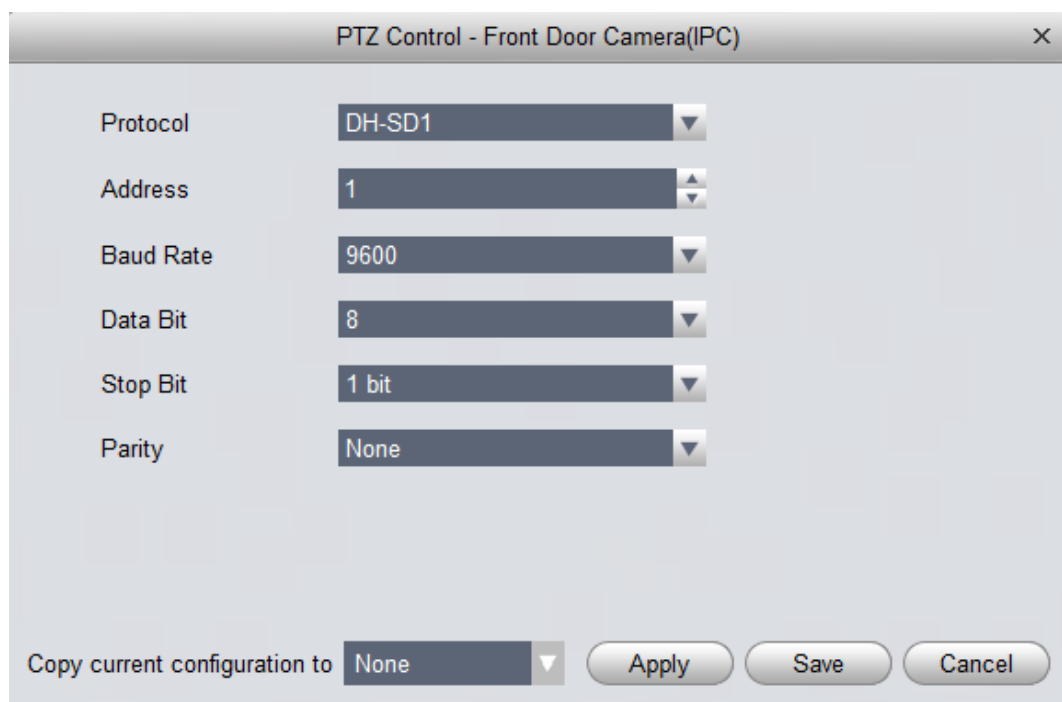


Please refer to the following sheet for detailed information.

Parameter	Function
Color mode	Allows the user to set color mode.
Hue	Allows the user to set color hue.
Brightness	Allows the user to adjust brightness of the image The large the value is, the bright the video is and vice versa. When you set, the dark pane and the bright pane of the video can be increased or decreased accordingly at the same time.
Contrast	Allows the user to set video contrast. The large the value is, the big the contrast is and vice versa.
Saturation	Allows the user to set color saturation. The larger the value is, the strong the color is and vice versa.
Flip	Allows the user to flip an image in a 180° motion, clockwise 90°, and counterclock wise 90°.

### 5.3.1.5. PTZ Control

The **PTZ Control** menu allows users to set PTZ functionality settings to their connect devices. This menu is only applicable to certain model devices that are capable of PTZ functionality. Below is a screenshot of the PTZ control menu:



Please refer to the following sheet for detailed information.

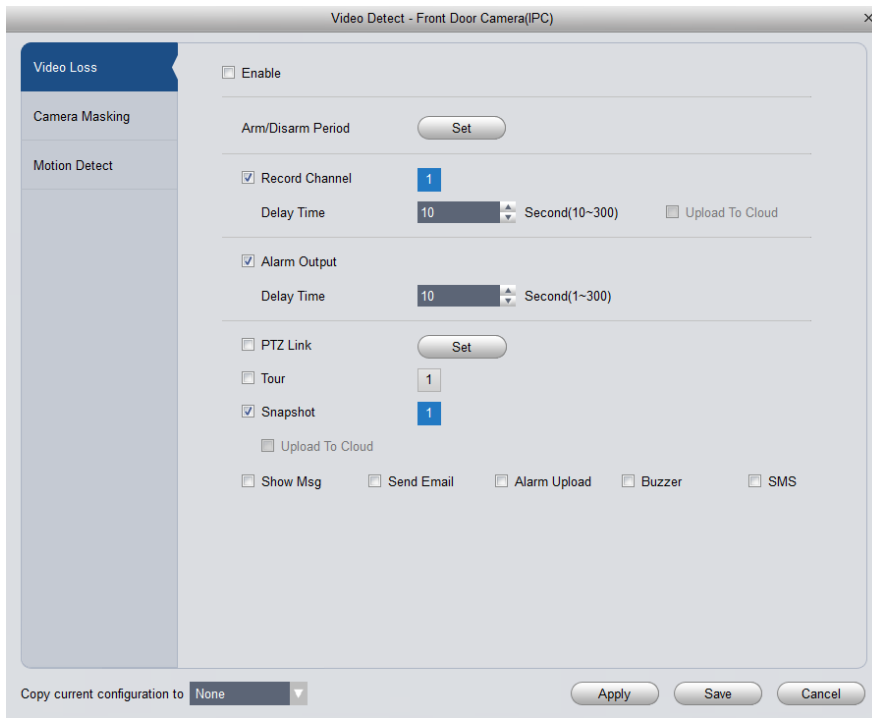
Parameter	Function
Protocol	Select the corresponding dome protocol such as DH-SD1
Address	Set corresponding dome address. Default value is 1
Baud Rate	Select the dome baud rate. Please set according to the speed dome dial switch setup.
Data Bit	Please set according to the speed dome dial switch setup.
Stop bit	Please set according to the speed dome dial switch setup.
Parity	Please set according to the speed dome dial switch setup.

### 5.3.2. Event

The **Event** section allows users to modify and adjust motion, alarm, and other event settings for a connected device. To adjust event settings, make sure to select the device you wish to adjust from the **Organizations** list on the far-left side of the screen.

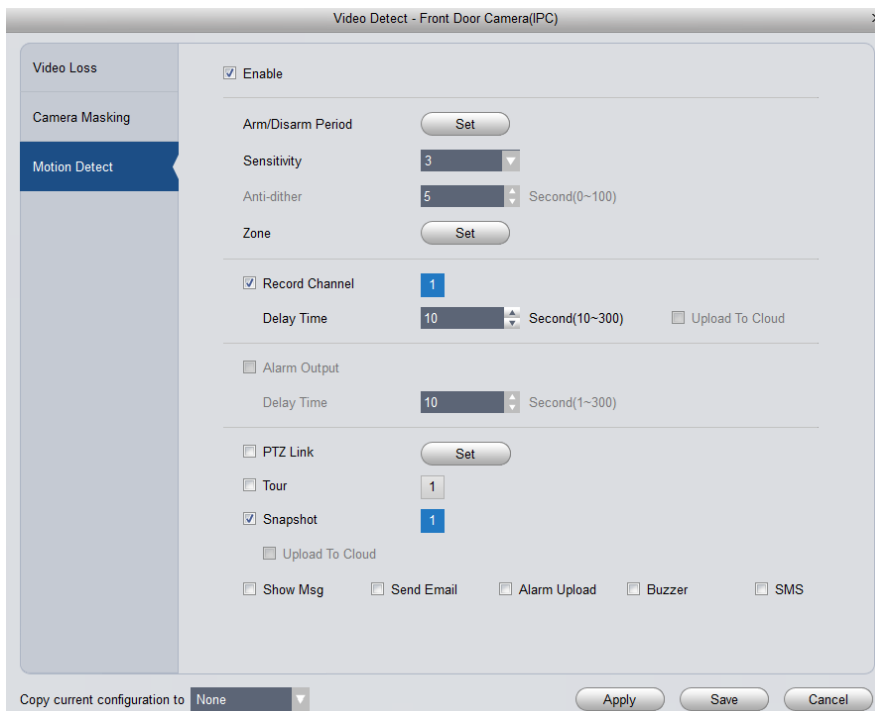
#### 5.3.2.1. Video Detect

The **Video Detect** menu allows users to modify and set event schedules, camera masking, and motion detection settings for their device. Below is a screenshot of this menu:




- **Video loss:** This function allows you to be informed when video loss phenomenon occurred. You can enable alarm output channel and then enable show message function.
- **Camera masking:** When someone viciously masks the lens, or the output video is in one color due to the environments light change, the system can alert you to guarantee video continuity.
- **Motion detect:** Through analyze video, system can enable motion detect alarm when it detects any moving signal that reaches the sensitivity threshold you set here.

In this example, we will be using the **Motion Detect** tab. All other functions work identical to this menu:



Please refer to the following sheet for detailed information.

Parameter	Function
Enable	Check the box to enable motion detection function.
Arm/disarm Period	<p>Motion detection function becomes activated in the specified periods. See Figure 3-33.</p> <p>There are six periods in one day. You can click  to set (Figure 3-34) or use mouse to draw the corresponding period on the time bar directly (Figure 3-35).</p> <p>Click OK button, system goes back to motion detection interface, please click OK button to exit.</p>
Anti-dither	System only memorizes one event during the anti-dither period. The value ranges from 5s to 100s.
Sensitivity	There are 10 levels. The sixth level has the highest sensitivity.
Zone	You can click this button to set motion detection zone. The interface is shown as in Figure 3-36. Do remember clicking OK button to save your motion detection zone setup.
Record channel	<p>If you select this parameter, then you perform motion detection alarm recording to this channel.</p> <p>Please note you need to select auto record in Record-&gt; record control</p>
Record Delay	System can delay the record for specified time after alarm ended.
Upload to Cloud	Check this box to upload to cloud. <b>Note:</b> Only applicable with a connected Amcrest Cloud account. For more information about Amcrest Cloud, go to <a href="http://amcrest.com/cloud">amcrest.com/cloud</a> .
Alarm output	Enable alarm activation function. You need to select alarm output port so that system can activate corresponding alarm device when an alarm occurs.
Output delay	System can delay the alarm output for specified time after an alarm ended.
Show message	System can pop up a message to alarm you in the local host screen if you enabled this function.
Buzzer	Check the box here to enable this function. The buzzer beeps when an alarm occurs.
Alarm upload	Allows the system to upload the alarm signal to the centre (Including alarm centre).
Show Msg.	With a stable network connection, the system can send out a message when motion detect occurs.
Send Email	Check the box to enable emails to be sent when an alarm occurs.
SMS	When enabled, a SMS text message can be sent to a connected mobile device.

Tour	You need to check the box here to enable this function. System begins 1-window or multiple-window tour display among the channel(s) you set to record when an alarm occurs.
PTZ Activation	Here you can set PTZ movement when alarm occurs. See Figure 3-37.

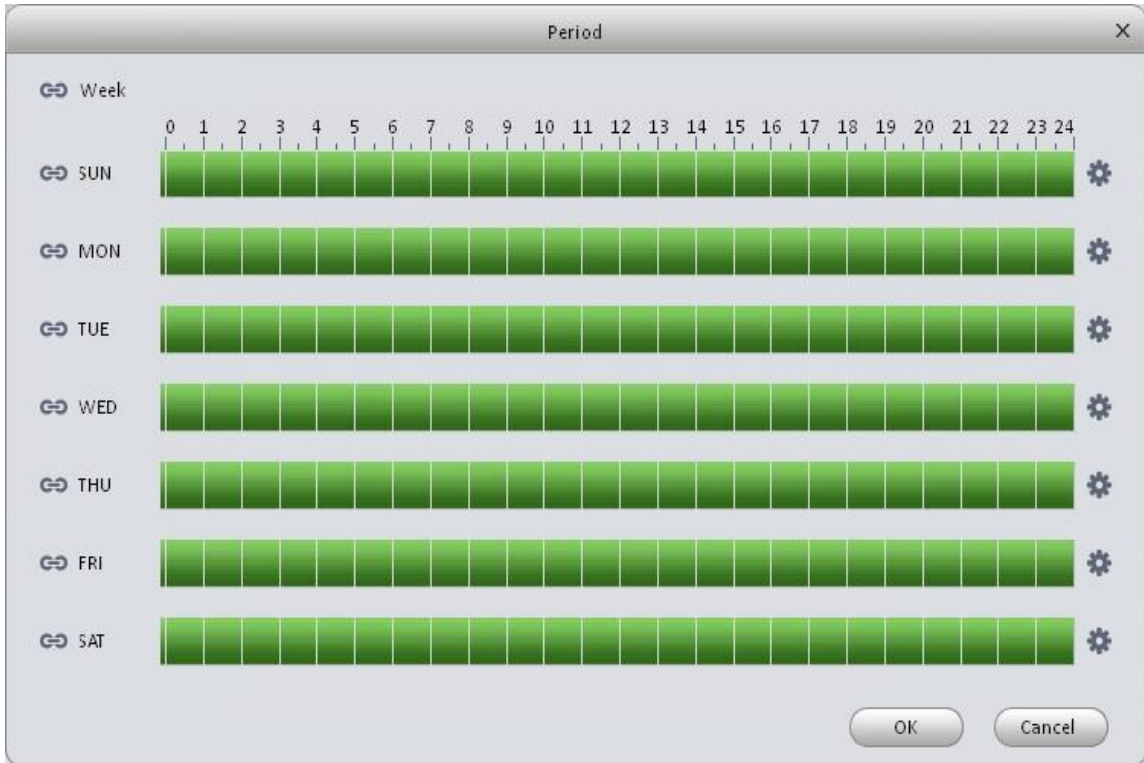


Figure 3-33

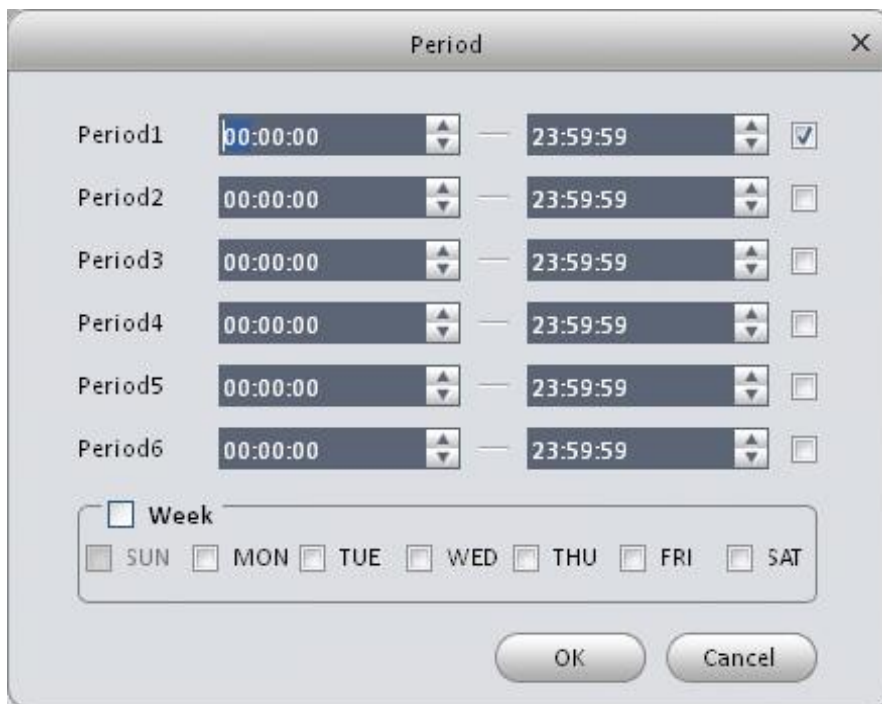


Figure 3-34

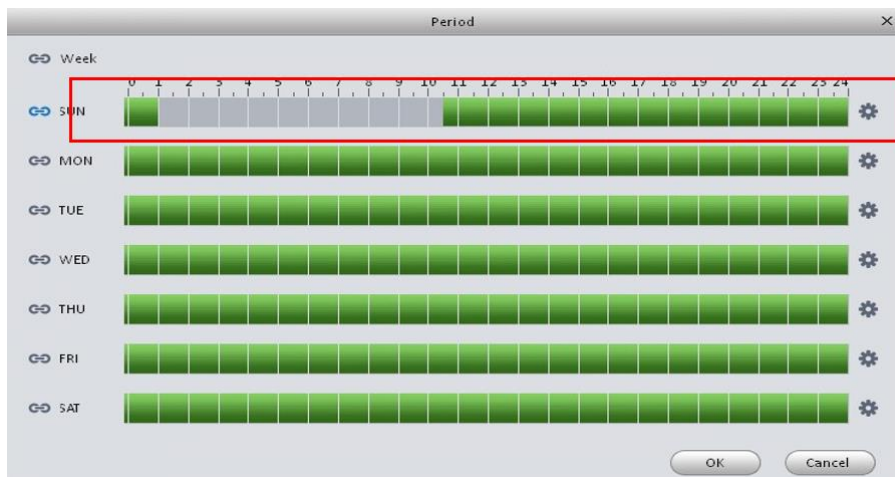


Figure 3-35

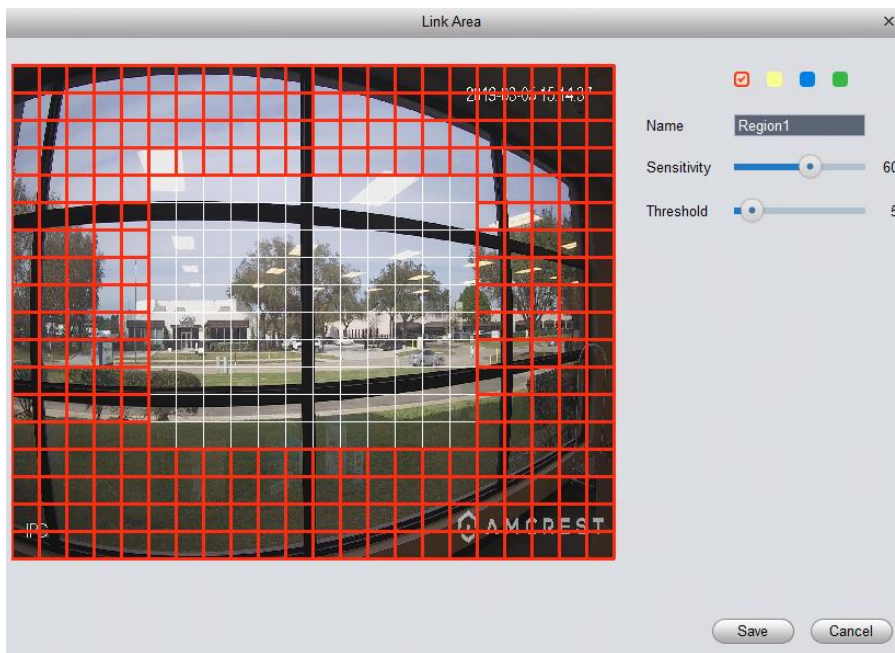


Figure 3-36

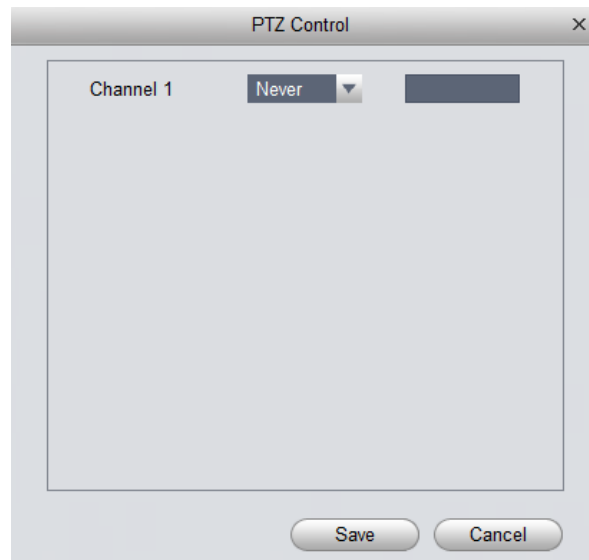


Figure 3-37

### 5.3.2.2. Alarm

Before operation, please make sure you have properly connected an alarm device such as buzzer to the device. Not all Amcrest devices support alarm features. Please refer to the user manual for your device for more details on the alarm functionality of your device.

The input mode includes local alarm and network alarm. The local alarm interface is shown as in Figure 3-38.

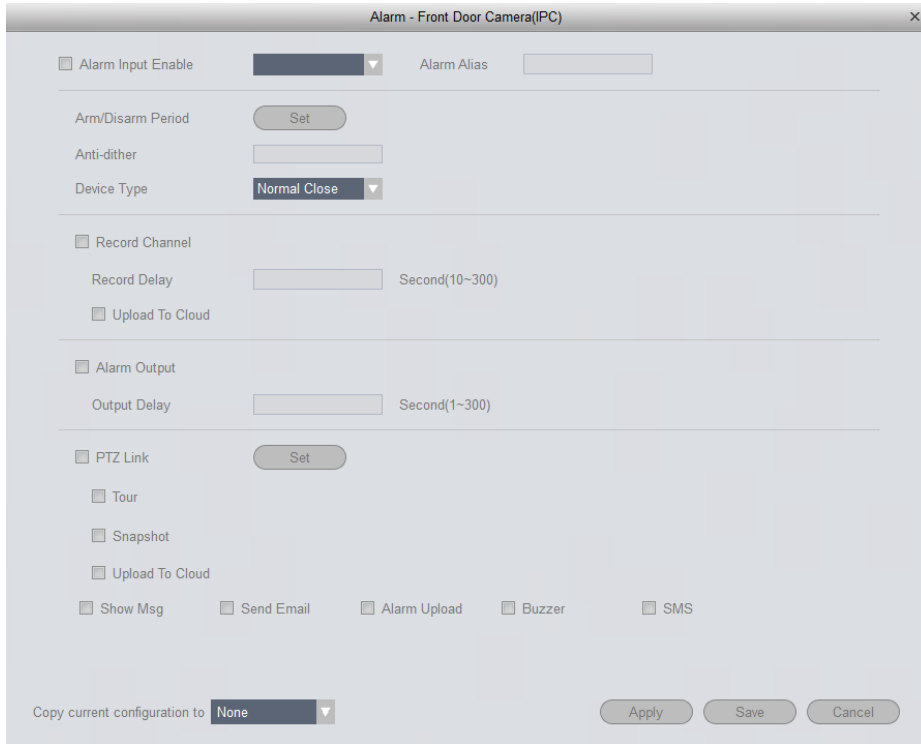


Figure 3-38

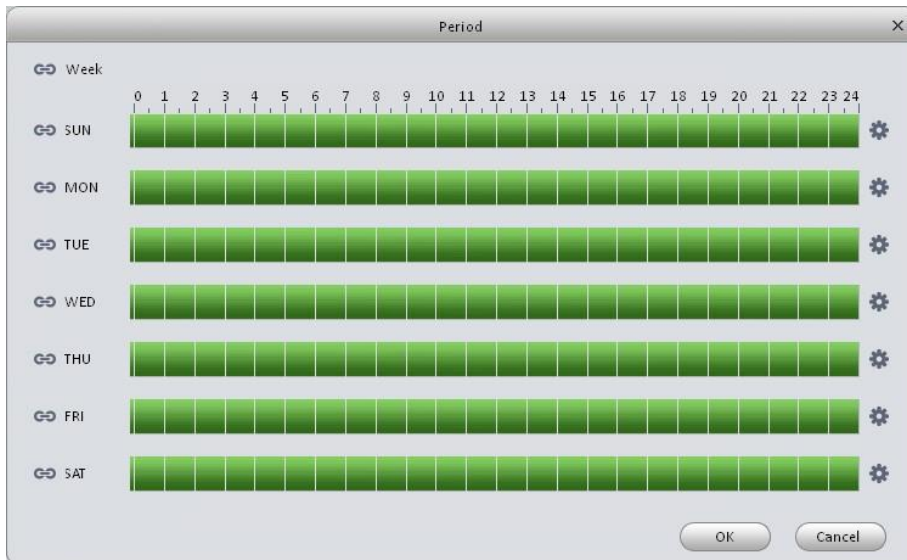


Figure 3-39



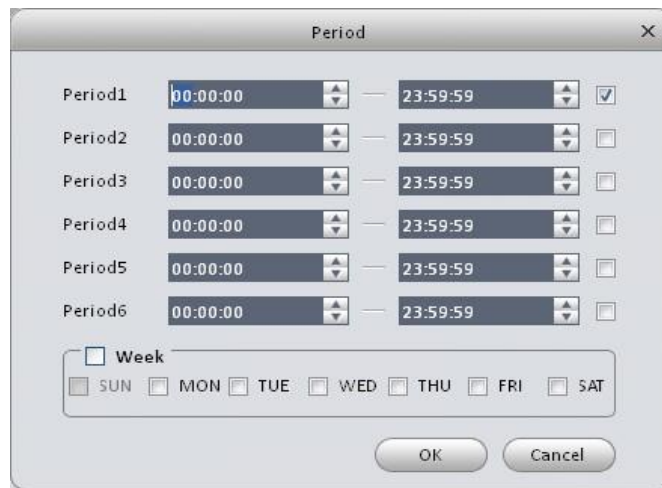


Figure 3-40

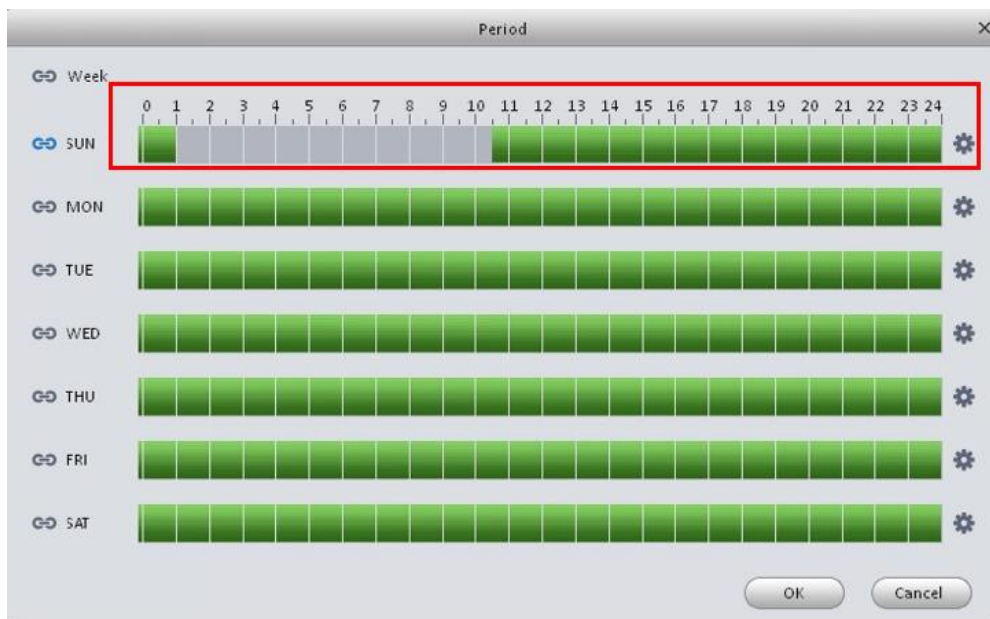


Figure 3-41

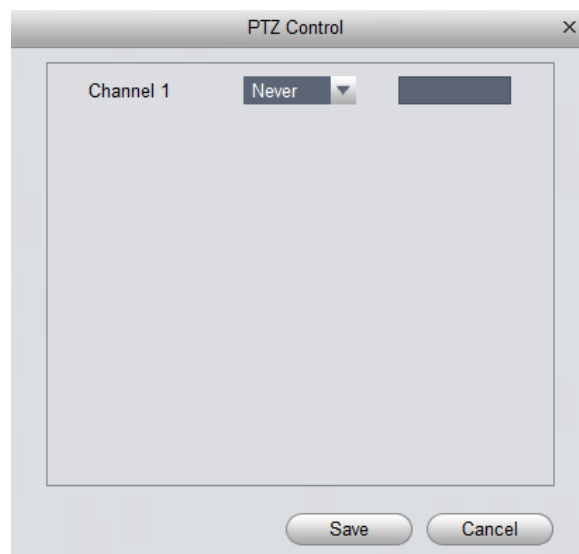



Figure 3-42

Please refer to the following sheet for detailed information.

Parameter	Function
Alarm Input Enable	Allows the user to select a channel from the dropdown list.
Arm/disarm Period	<p>This function becomes activated in the specified periods. There are six periods in one day. See Figure 3-39.</p> <p>There are six periods in one day. You can click  to set (Figure 3-40) or use mouse to draw the corresponding period on the time bar directly (Figure 3-41).</p> <p>Click OK button, system goes back to alarm interface, please click OK button to exit.</p>
Anti-dither	System only memorizes one event during the anti-dither period.
Device (Sensor) type	There are two options: NO/NC.
Record channel	<p>If you select this parameter, then you perform local alarm recording to this channel.</p> <p>Please note you need to select auto record in Record-&gt; record control</p>
Record Delay	System can delay the record for specified time after alarm ended.
Upload to Cloud	Check this box to upload to cloud. <b>Note:</b> Only applicable with a connected Amcrest Cloud account. For more information about Amcrest Cloud, go to <a href="https://amcrest.com/cloud">amcrest.com/cloud</a> .
Alarm output	Enable alarm activation function. You need to select alarm output port so that system can activate corresponding alarm device when an alarm occurs.
Output delay	System can delay the alarm output for specified time after an alarm ended.
PTZ Link	Sets a PTZ link to the device. Click <b>Set</b> to set PTZ link features to your device.
Tour	You need to check the box here to enable this function.
Snapshot	If you select this parameter, then the channel is config with alarm snapshot function.
Upload to Cloud	Check this box to upload to cloud. <b>Note:</b> Only applicable with a connected Amcrest Cloud account. For more information about Amcrest Cloud, go to <a href="https://amcrest.com/cloud">amcrest.com/cloud</a> .
Show Msg	With a stable network connection, the system can send out a message when motion detect occurs.
Send Email	Check the box to enable emails to be sent when an alarm occurs.
Alarm upload	Allows the system to upload the alarm signal to the centre (Including alarm centre).

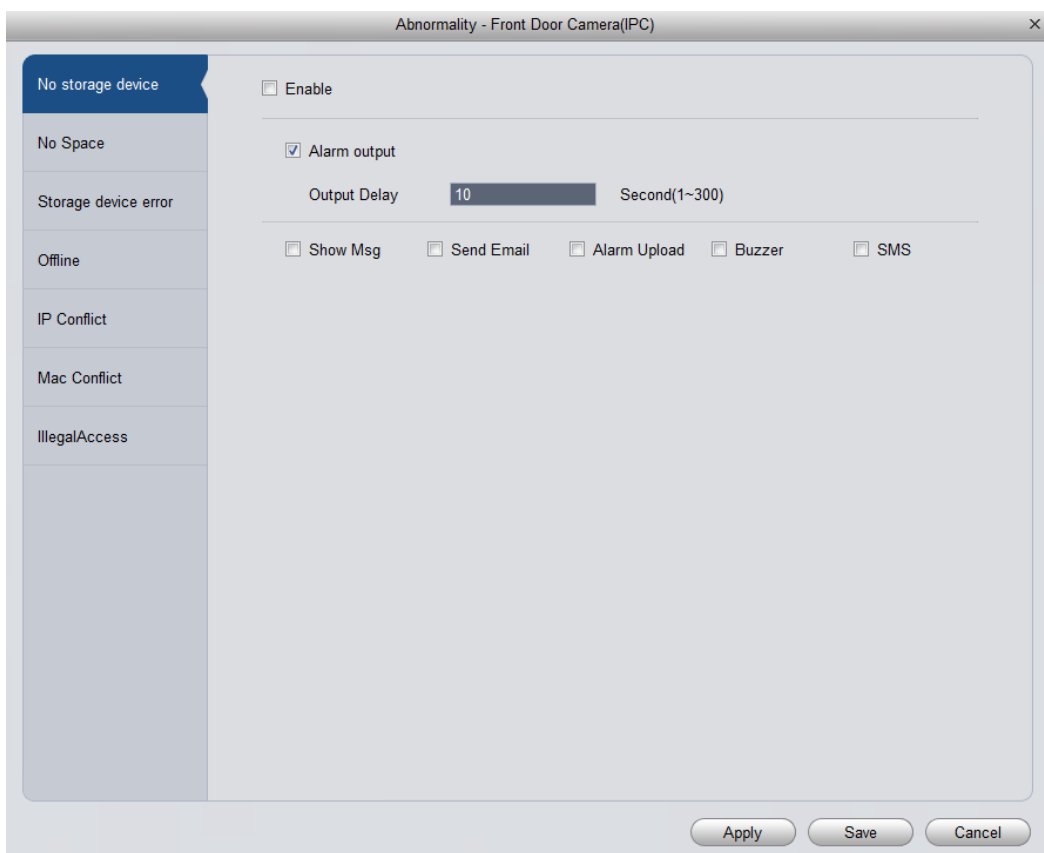
Buzzer	Check the box here to enable this function. The buzzer beeps when an alarm occurs.
SMS	When enabled, a SMS text message can be sent to a connected mobile device.

### 5.3.2.3. Abnormality

The **Abnormality** menu allows users to set their devices to be notified of any abnormalities with a connected device. These abnormalities include, no storage device, no space, storage device error, offline, IP conflict, Mac conflict, and illegal access.

#### No storage device

When enabled, this abnormality setting will alert the user if a device does not have a storage device properly installed in the device. Below is a screenshot of this menu.



Below is a description of the features listed in this menu:

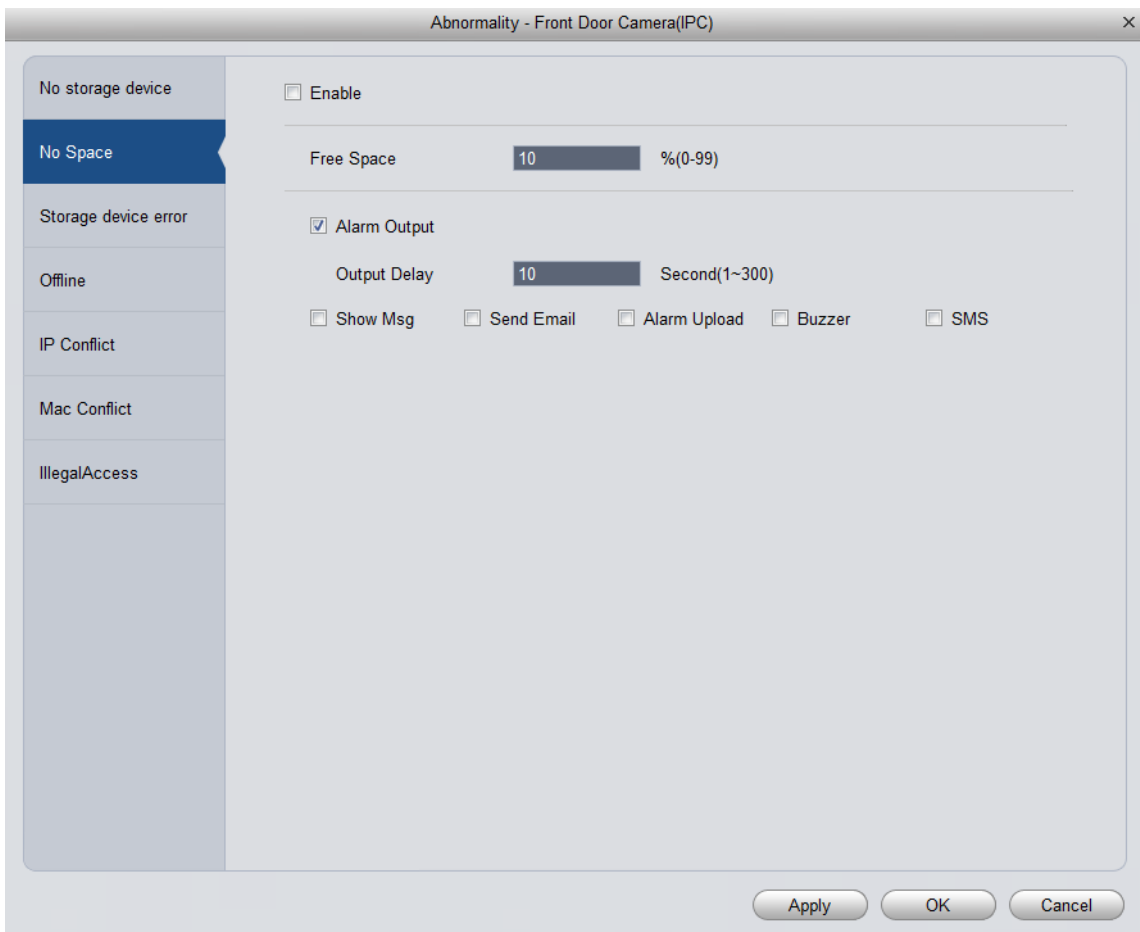
Parameter	Function
Enable	Check the box here to enable selected function.
Alarm Output	Please select corresponding alarm output channel when an alarm occurs. You need to check the box to enable this function.
Output delay	The alarm output can delay for the specified time after an alarm stops. Ranges in seconds from 1~300.

Show Msg	With a stable network connection, the system can send out a message when motion detect occurs.
Alarm upload	Allows the system to upload the alarm signal to the centre (Including alarm centre).
Send Email	Check the box to enable emails to be sent when an alarm occurs.
Buzzer	Check the box here to enable this function. The buzzer beeps when an alarm occurs.
SMS	When enabled, a SMS text message can be sent to a connected mobile device.

To save the settings to the software, click **Apply** and **Save**. Failure to click these options will result in the settings not being applied to the system.

### No Space

When enabled, this abnormality setting will alert the user if a device does not have enough space to store an event. Below is a screenshot of this menu:



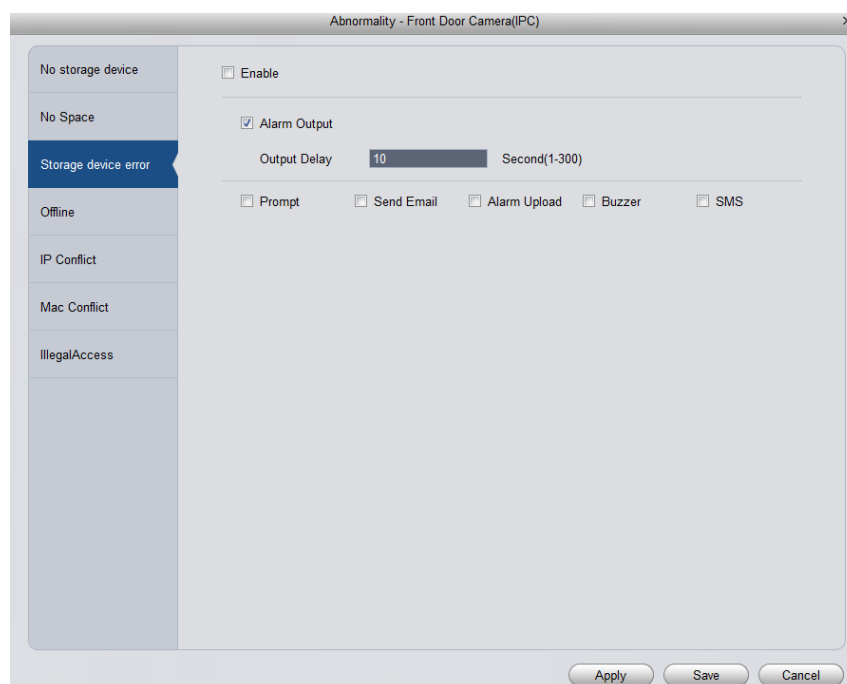
Below is a description of the features listed in this menu:

Parameter	Function
Enable	Check the box here to enable selected function.
Free Space	Provides an alarm if the free space falls below a certain percentage. Default is 10% but can be set to range between 0-99.
Alarm Output	Please select corresponding alarm output channel when an alarm occurs. You need to check the box to enable this function.
Output delay	The alarm output can delay for the specified time after an alarm stops. Ranges in seconds from 1~300.
Show Msg	With a stable network connection, the system can send out a message when motion detect occurs.
Send Email	Check the box to enable emails to be sent when an alarm occurs.
Alarm upload	Allows the system to upload the alarm signal to the centre (Including alarm centre).
Buzzer	Check the box here to enable this function. The buzzer beeps when an alarm occurs.
SMS	When enabled, a SMS text message can be sent to a connected mobile device.

To save the settings to the software, click **Apply** and **Save**. Failure to click these options will result in the settings not being applied to the system.

### Storage device error

When enabled, this abnormality setting will alert the user if an installed storage device is producing an error during operation. Below is a screenshot of this menu:



Below is a description of the features listed in this menu:

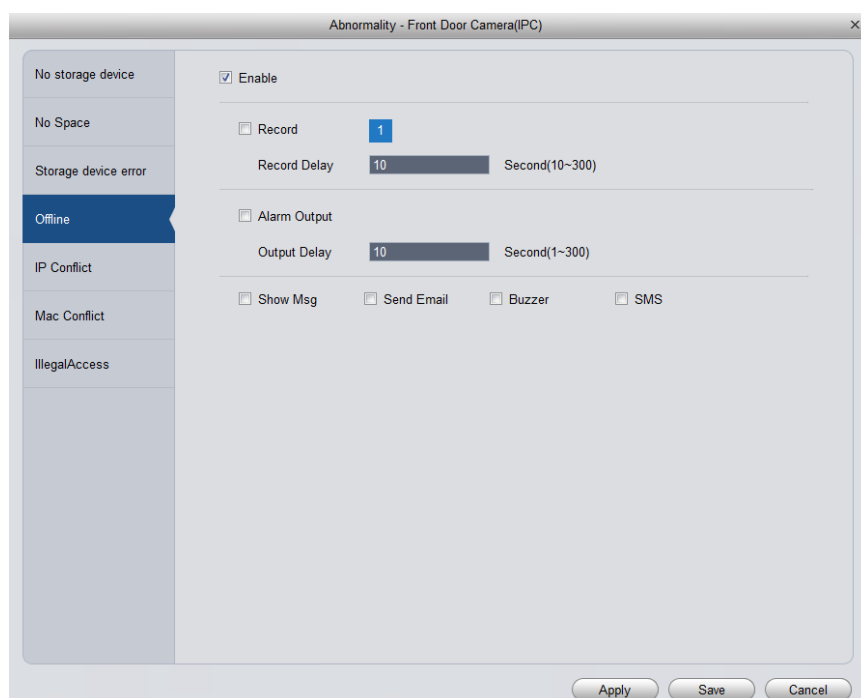
Parameter	Function
Enable	Check the box here to enable selected function.
Alarm Output	Please select corresponding alarm output channel when an alarm occurs. You need to check the box to enable this function.
Output delay	The alarm output can delay for the specified time after an alarm stops. Ranges in seconds from 1~300.
Prompt	Allows the system to display a message to alarm you in the local host screen if you enabled this function.
Alarm upload	Allows the system to upload the alarm signal to the centre (Including alarm centre).
Send Email	Check the box to enable emails to be sent when an alarm occurs.
Buzzer	Check the box here to enable this function. The buzzer beeps when an alarm occurs.
SMS	When enabled, a SMS text message can be sent to a connected mobile device.

To save the settings to the software, click **Apply** and **Save**. Failure to click these options will result in the settings not being applied to the system.

### Offline

When enabled, this abnormality setting will alert the user if the device goes offline during operation.

Below is a screenshot of this menu:

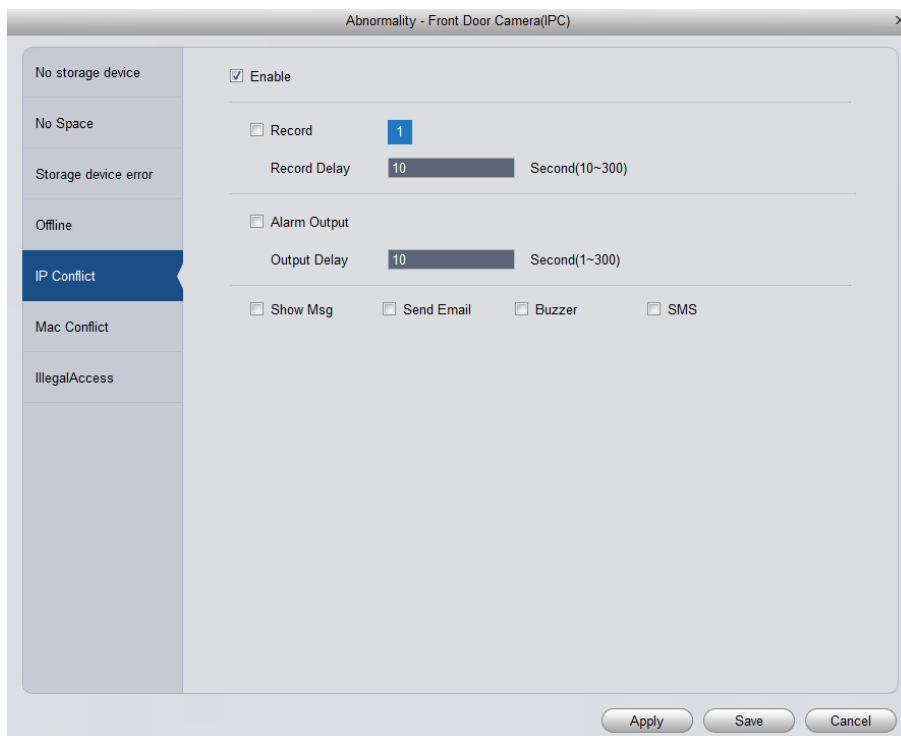


Below is a description of the features listed in this menu:

Parameter	Function
Enable	Check the box here to enable selected function.
Record	Check the box to select which channel to apply the feature.
Record Delay	The amount of delay, in seconds, in which the alerts will occur. Ranges between 1~300 seconds.
Alarm Output	Please select corresponding alarm output channel when an alarm occurs. You need to check the box to enable this function.
Output delay	The alarm output can delay for the specified time after an alarm stops. Ranges between 1~300 seconds.
Show Msg	With a stable network connection, the system can send out a message when motion detect occurs.
Send Email	If you enabled this function, System can send out an email to alert you when an alarm occurs.
Buzzer	Check the box here to enable this function. The buzzer beeps when an alarm occurs.
SMS	Check the box to enable emails to be sent when an alarm occurs.

### IP Conflict

When enabled, this abnormality setting will alert the user if there is an IP conflict during normal operation. Below is a screenshot of this menu:



Below is a description of the features listed in this menu:

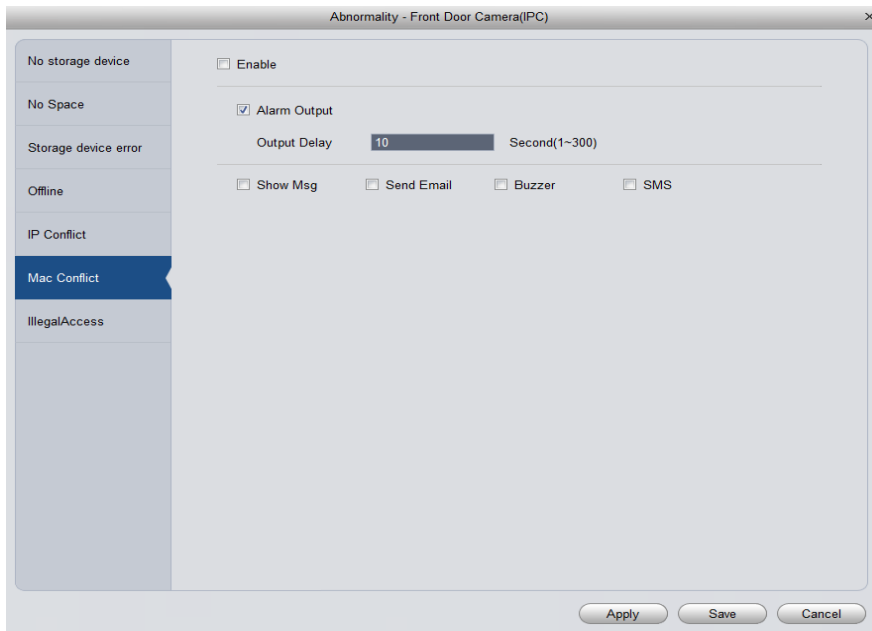
Parameter	Function
Enable	Check the box here to enable selected function.
Record	Check the box to select which channel to apply the feature.
Record Delay	The amount of delay, in seconds, in which the alerts will occur. Ranges between 1~300 seconds.
Alarm Output	Please select corresponding alarm output channel when an alarm occurs. You need to check the box to enable this function.
Output delay	The alarm output can delay for the specified time after an alarm stops. Ranges between 1~300 seconds.
Show Msg	With a stable network connection, the system can send out a message when motion detect occurs.
Send Email	Check the box to enable emails to be sent when an alarm occurs.
Buzzer	Check the box here to enable this function. The buzzer beeps when an alarm occurs.
SMS	When enabled, a SMS text message can be sent to a connected mobile device.

To save the settings to the software, click **Apply** and **Save**. Failure to click these options will result in the settings not being applied to the system.

### Mac Conflict

When enabled, this abnormality setting will alert the user if there is a Mac address conflict during normal operation. Below is a screenshot of this menu:





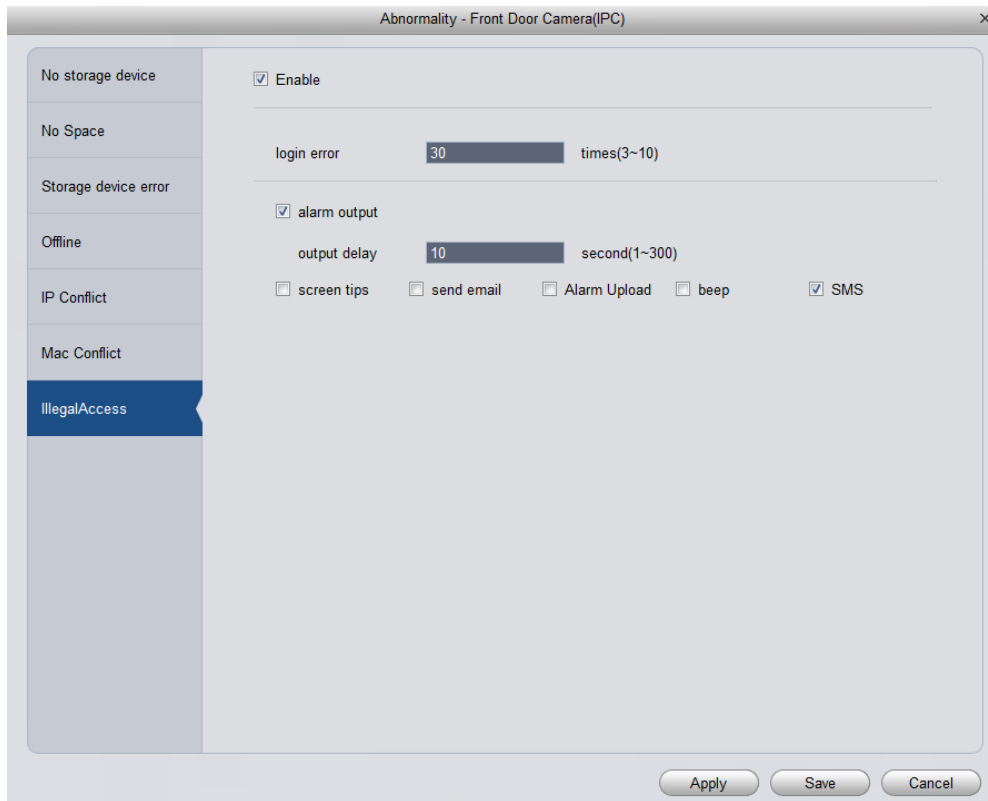
Below is a description of the features listed in this menu:

Parameter	Function
Enable	Check the box here to enable selected function.
Alarm Output	Please select corresponding alarm output channel when an alarm occurs. You need to check the box to enable this function.
Output delay	The alarm output can delay for the specified time after an alarm stops.
Show Msg	With a stable network connection, the system can send out a message when motion detect occurs.
Send Email	Check the box to enable emails to be sent when an alarm occurs.
Buzzer	Check the box here to enable this function. The buzzer beeps when an alarm occurs.
SMS	When enabled, a SMS text message can be sent to a connected mobile device.

To save the settings to the software, click **Apply** and **Save**. Failure to click these options will result in the settings not being applied to the system.

### IllegalAccess

When enabled, this abnormality setting will alert the user if there are any illegal access attempts on the system. Below is a screenshot of this menu:



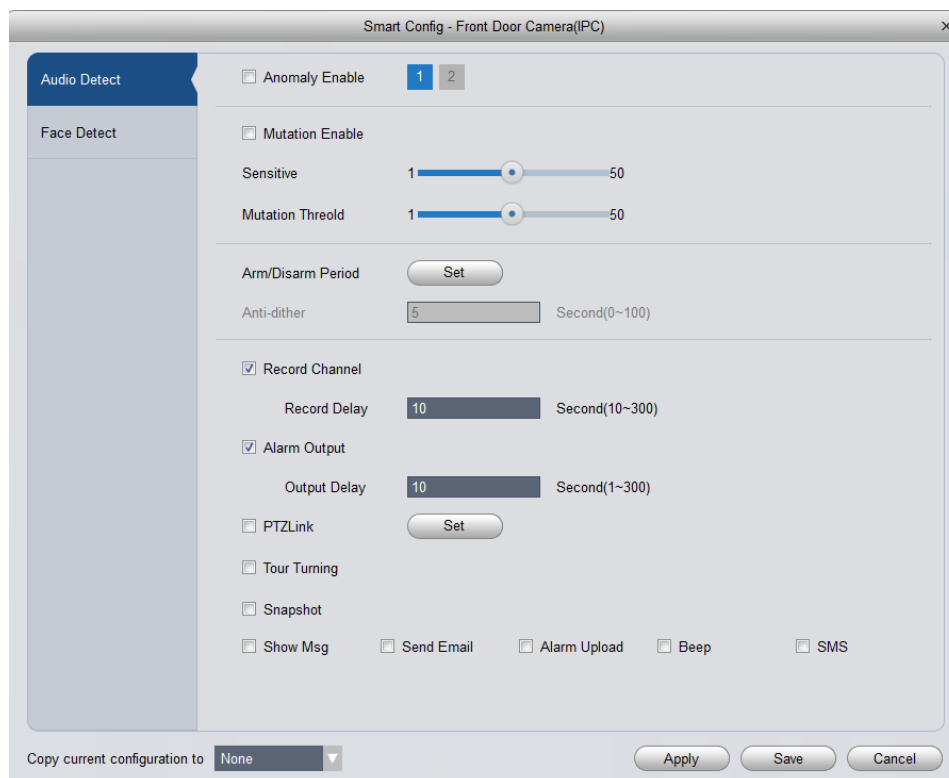
Below is a description of the features listed in this menu:

Parameter	Function
Enable	Check the box here to enable selected function.
Login error	Allows the user to set a specified amount of login attempts before the alert occurs.
Alarm output	Check the box to enable the alarm output to occur once an illegal access attempt has been reached.
Output delay	The alarm output can delay for the specified time after an alarm stops. Ranges from 1~300 seconds.
Screen tips	Check the box to enable screen tips once an illegal access attempt has been reached
Send Email	Check the box to enable emails to be sent when an alarm occurs.
Alarm upload	Check the box to allows the system to upload the alarm signal to the centre (Including alarm centre).
Beep	Check the box here to enable this function. The buzzer beeps when an alarm occurs.
SMS	When enabled, a SMS text message can be sent to a connected mobile device.

To save the settings to the software, click **Apply** and **Save**. Failure to click these options will result in the settings not being applied to the system.

### 5.2.1.1 Smart Config

Amcrest Surveillance Pro supports to add SmartIPC and config added intelligent device, including audio detection config and face recognition. Please note, not all Amcrest devices have SmartIPC features, please consult the user manual for your device for more details on specific smart features included with your device. Below is a screenshot of the smart config menu:



Below is a description of the features listed in this menu:

Parameter	Note
Anomaly Enable	Check the box to enable the audio detect feature. Make sure to enable the channel you want to enable as well.
Mutation Threshold	<p>May config sensitivity and mutation threshold.</p> <p>If select this parameter, then mutation detect is enabled.</p> <p>Sensitivity : 1-100 level adjustable. The smaller the value is, the more input sound volume change exceeds constant environmental sound and is judged as abnormal audio. User shall adjust according to actual environment.</p> <p>Mutation threshold : 1-100 level adjustable. It is used to set filter of environmental sound intensity. If environmental noise is high, then you shall set this value high. Please set and adjust according to actual environment.</p>

Arm/Disarm Period	Set alarm arm/disarm period. Click set pop up Arm/Disarm Period box for setup.
Anti-dither	Means only record one motion detection event within the period. Value range 0s~100s.
Record Channel	Check this box to enable recording to the device once detection occurs. Go to “Record >Record Control” and select auto record.
Record Delay	The amount of delay, in seconds, in which the alerts will occur. Ranges between 1~300 seconds.
Alarm Output	Check the box to enable the alarm output to occur once an illegal access attempt has been reached.
Output Delay	Means when alarm link ends, alarm will remain for a period of time before stop.
PTZLink	Sets a PTZ link to the device. Click <b>Set</b> to set PTZ link features to your device. <b>Note:</b> This is only applicable on PTZ functional devices with SmartIPC features.
Tour Turning	Check the box to enable tour features when using SmartIPC features.
Snapshot	When an alarm is triggered, a snapshot of the event can be sent to your email.
Show Msg	With a stable network connection, the system can send out a message when motion detect occurs.
Send Email	Check the box to enable emails to be sent when an alarm occurs.
Alarm Upload	Check the box to allows the system to upload the alarm signal to the centre (Including alarm centre).
SMS	When enabled, a SMS text message can be sent to a connected mobile device.

To save the settings to the software, click **Apply** and **Save**. Failure to click these options will result in the settings not being applied to the system.

### Face Detect

The Face Detect menu is shown in Figure 3-50.

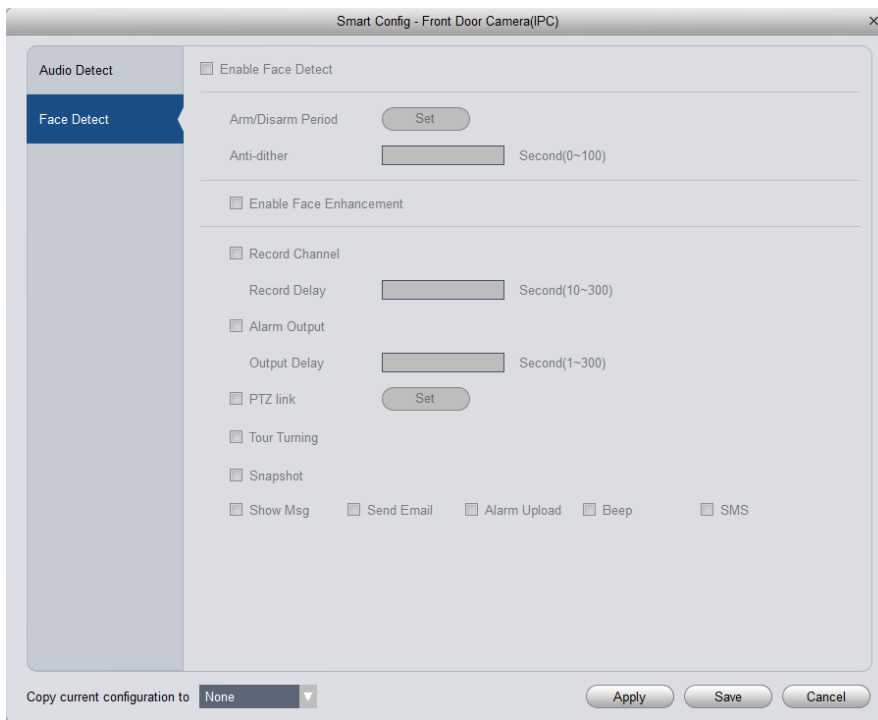


Figure 3-50

Below is a description of the features listed in the Face Detect menu:

Parameter	Note
Enable Face Detect	Check the box to enable the face detection features on your device. Please note, this feature is only available on devices that have face detection.
Arm/Disarm Period	Set alarm arm/disarm period. Click set pop up Arm/Disarm Period box for setup.
Anti-dither	Means only record one motion detection event within the period. Value range 0s~100s.
Record Channel	Check this box to enable recording to the device once detection occurs. Go to “Record >Record Control” and select auto record.
Record Delay	The amount of delay, in seconds, in which the alerts will occur. Ranges between 1~300 seconds.
Alarm Output	Check the box to enable the alarm output to occur once an illegal access attempt has been reached.
Output Delay	Means when alarm link ends, alarm will remain for a period of time before stop.
PTZLink	Sets a PTZ link to the device. Click <b>Set</b> to set PTZ link features to your device. <b>Note:</b> This is only applicable on PTZ functional devices with SmartIPC features.
Tour Turning	Check the box to enable tour features when using SmartIPC features.

Snapshot	When an alarm is triggered, a snapshot of the event can be sent to your email.
Send Email	Check the box to enable emails to be sent when an alarm occurs.
Alarm Upload	Check the box to allows the system to upload the alarm signal to the centre (Including alarm centre).
Beep	Check the box to enable this function. The buzzer will beep when an alarm occurs.
SMS	When enabled, a SMS text message can be sent to a connected mobile device.

To save the settings to the software, click **Apply** and **Save**. Failure to click these options will result in the settings not being applied to the system.

### 5.3.3. Storage

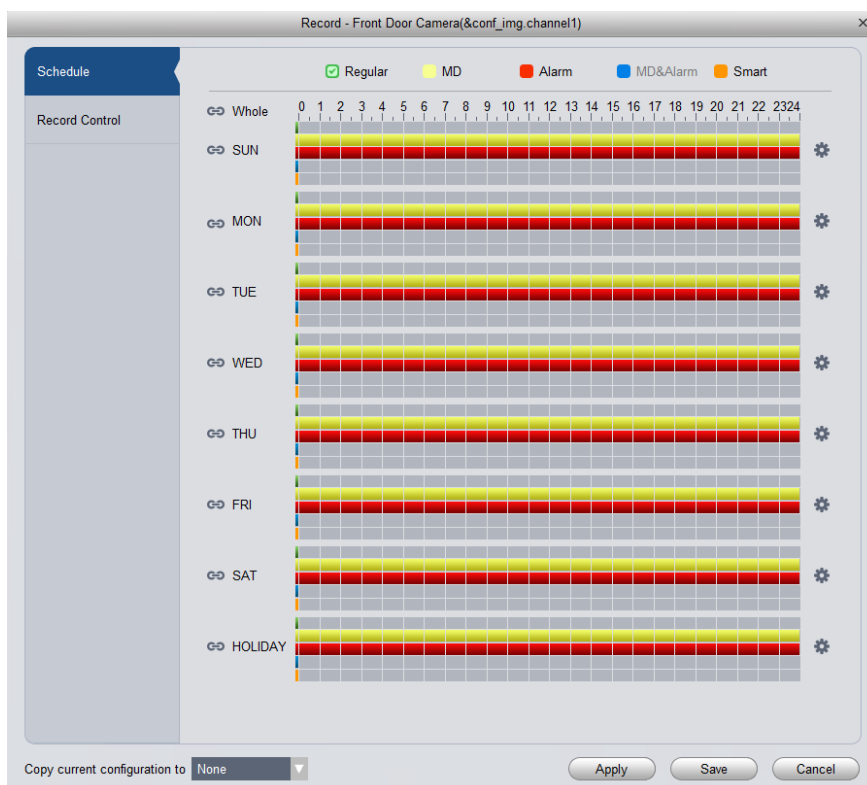
The **Storage** menu gives users the opportunity to set added device to record on motion or on continuous (general) recording. You can also set recording schedules for your device.

#### 5.3.3.1. Record

The **Record** tab allows users to set recording schedules for their connected devices. To begin setting up recording settings for your device, a microSD card or PC-NVR must be established to storage the recordings. When a storage device has been established in your device you can begin recording.


#### Schedule

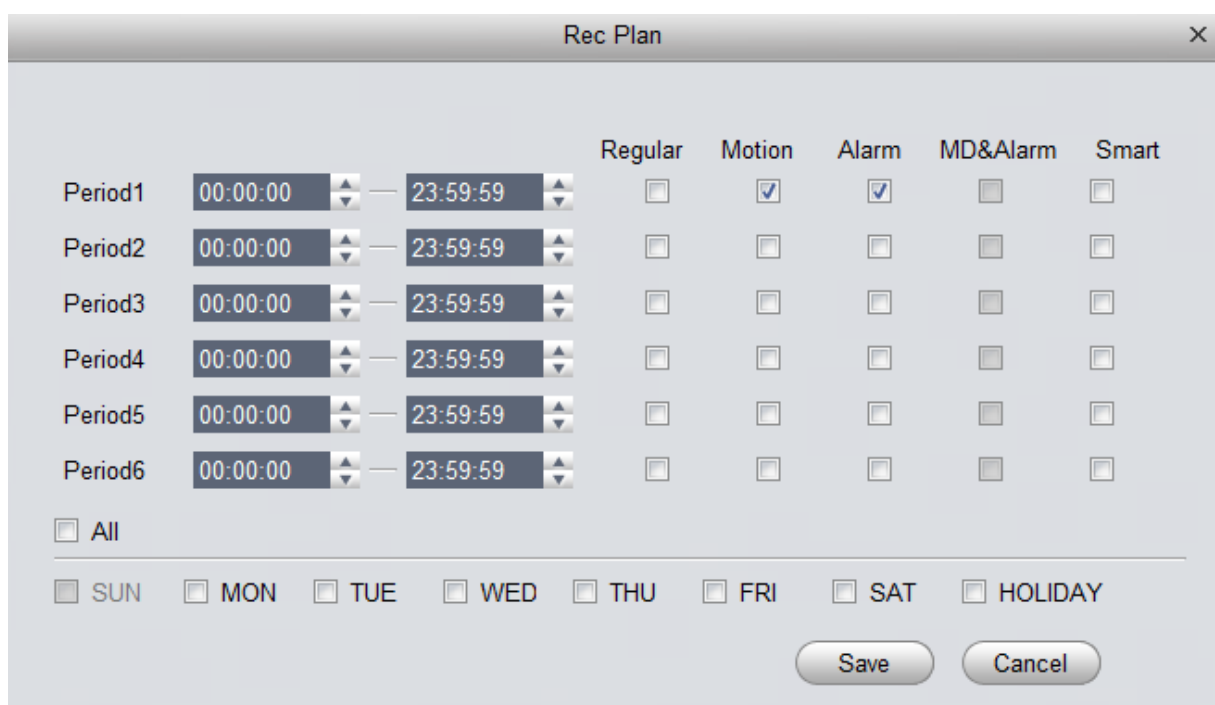
The **Schedule** tab allows users to set regular (continuous), motion detection, alarm, MD&Alarm, or Smart recordings for their device. Below is a screenshot of the schedule menu:



Below is a description of the fields listed in this menu:

Regular	Regular recordings are set to set your device for continuous recording. This field is designated by a green color in the software.
MD	MD, or Motion Detection recordings, are set to set your device to record on motion detection. This field is designated by a yellow color in the software
Alarm	Alarm recordings are set to set your device to record only when a specific alarm is triggered. This is designated by a red color in the software.
MD&Alarm	MD&Alarm, combine both motion detection and alarm settings into on specific attribute. This field is designated with blue color in the software.
Smart	Smart is set to only apply smart features such as, face detection or other intelligent features, to trigger recording. Amcrest cameras do not currently support smart features. However, this is designated with an orange color in the software.

To begin setting a record schedule for your device, click on the  icon next to the day you want to schedule your record plan.



The screenshot shows a window titled "Rec Plan" with a close button (X) in the top right corner. The window contains a table with 6 rows labeled "Period1" through "Period6". Each row has two time input fields (start and end times) and five checkboxes for recording types: Regular, Motion, Alarm, MD&Alarm, and Smart. Below the table, there is an "All" checkbox and a row of checkboxes for days of the week: SUN, MON, TUE, WED, THU, FRI, SAT, and HOLIDAY. At the bottom right, there are "Save" and "Cancel" buttons.

	Regular	Motion	Alarm	MD&Alarm	Smart
Period1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Period2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Period3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Period4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Period5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Period6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

All

SUN  MON  TUE  WED  THU  FRI  SAT  HOLIDAY

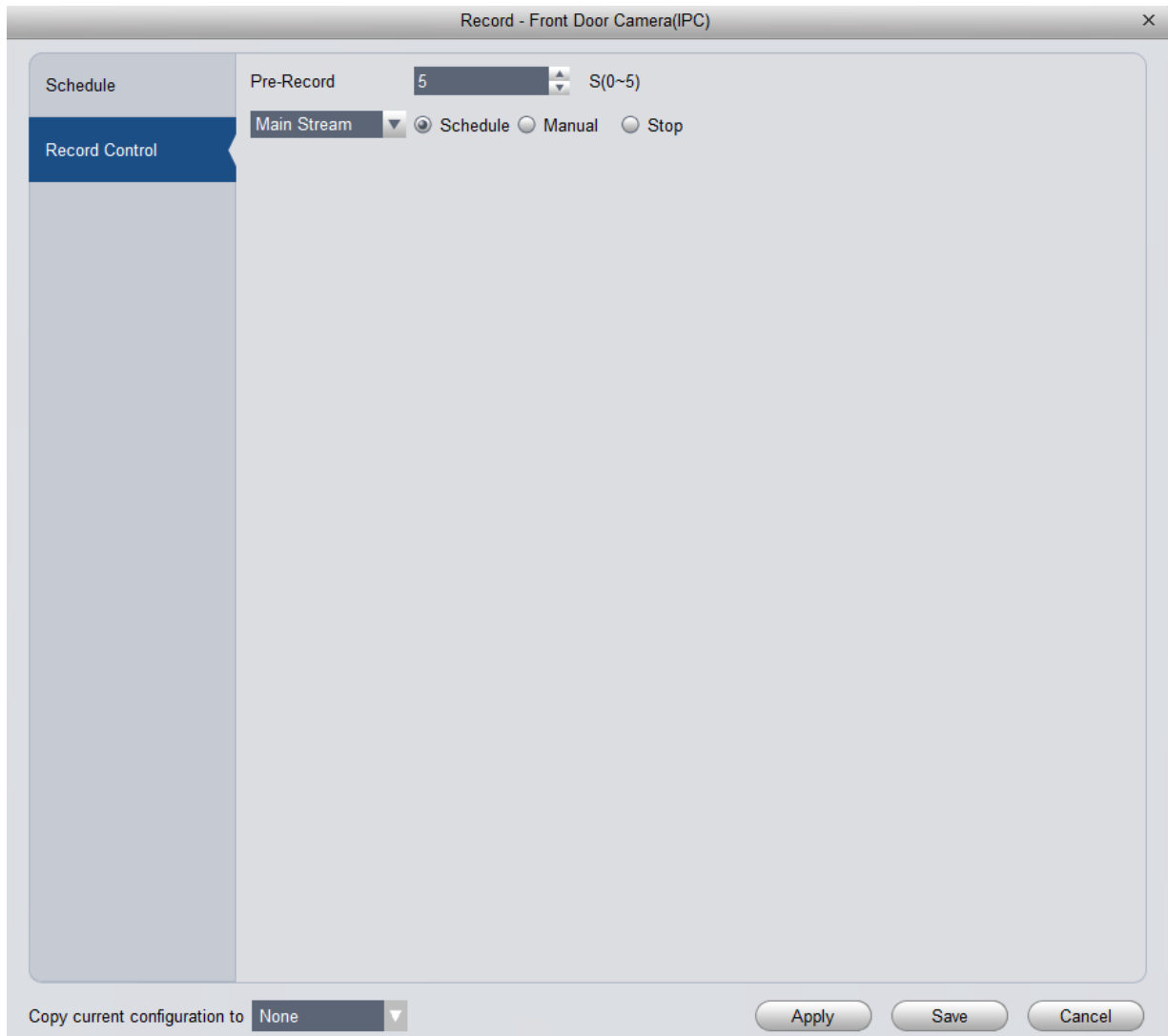
Save Cancel

Clicking this button opens a screen that allows for recording periods to be set for each day and for each recording type. There are a total of 6 periods that can be set. To set a recording schedule, select the record type (Regular, Motion, Alarm, MD&Alarm, Smart) and select the times you would like your schedule to apply. If you would like the record type to record 24/7 the period will remain on 00:00:00 – 23:59:59.

Next, select which days you would like the schedule to apply with and click **Save** to continue. If you would like the schedule to apply to all days, click the **All** button. On the main record menu, click on **Apply** and **Save** to save the schedule to the software.

## Record Control

The **Record Control** menu allows users to set record control modes for their connected device. Below is a screenshot of the record control menu.



Please refer to the following sheet for detailed information.

Parameter	Function
Pre-record	The amount of delay (in seconds) before a recording occurs. The default is 5 seconds; however, it can be set between 0-5 seconds.
Main stream	Sets the main stream record mode. It includes: Schedule/manual/stop.
Sub stream	Sets stream record mode. It includes: Schedule/manual/stop.

To save the settings to the software, click **Apply** and **Save**. Failure to click these options will result in the settings not being applied to the system.

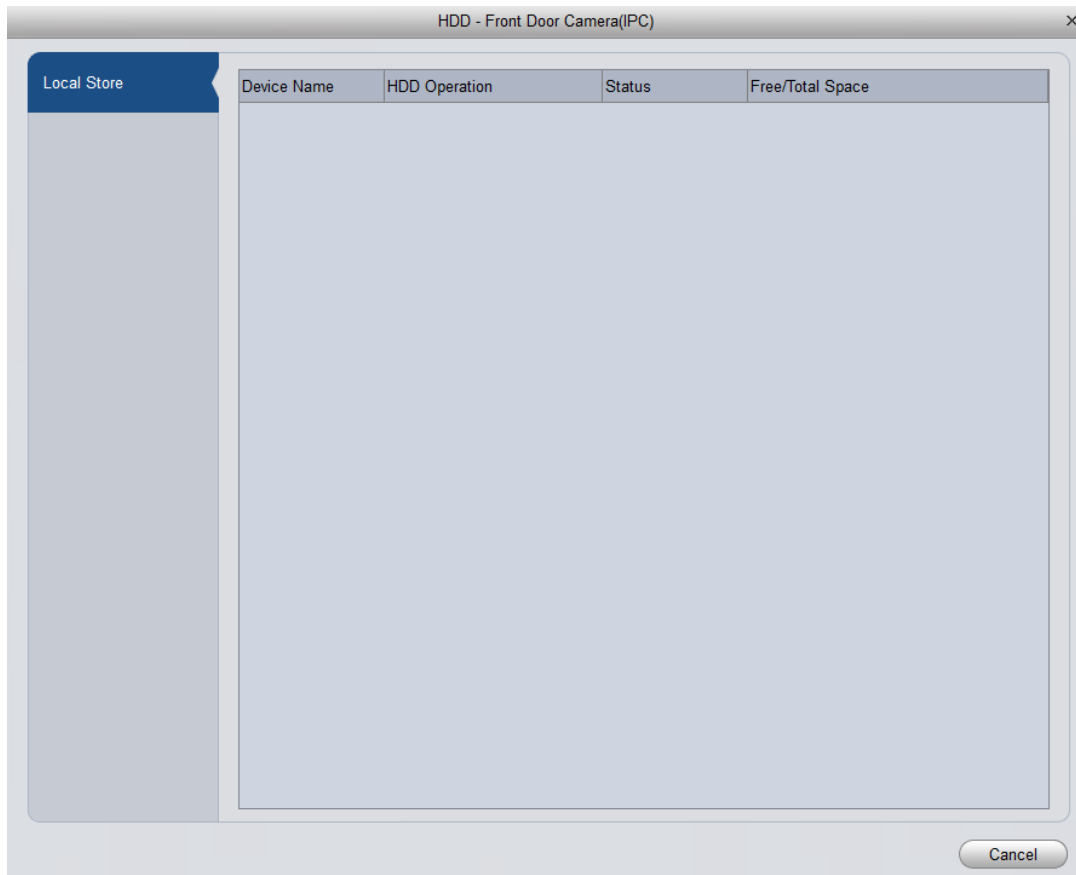


### 5.3.3.2. HDD

The **HDD** menu allows users to set local store options for a connected microSD card or hard drive.

#### Local Store

The **Local Store** tab allows the user to save data to local MicroSD card or hard drive. Below is a screenshot of this menu:

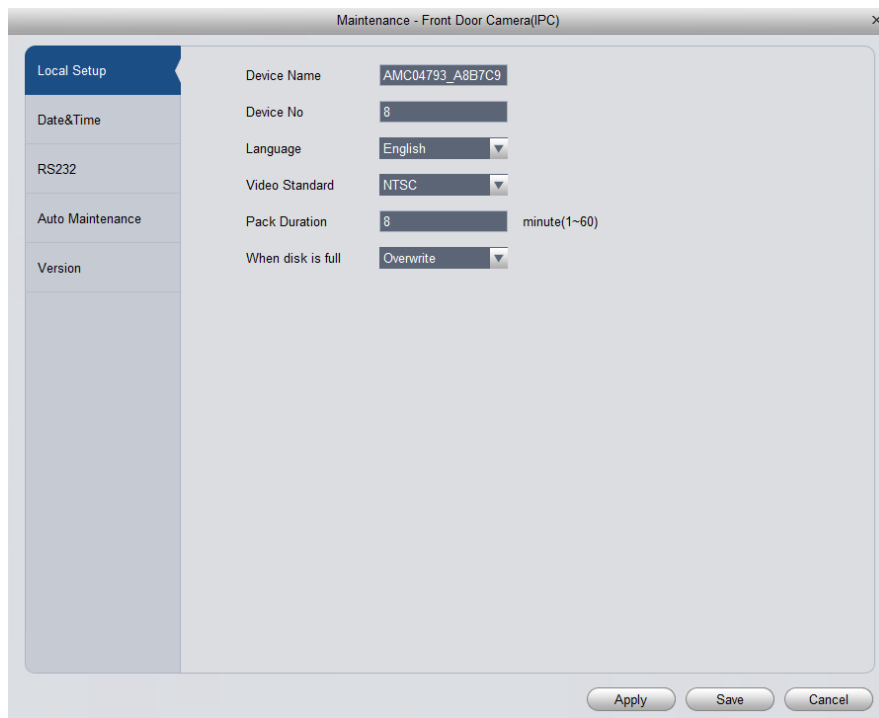


Device Name displays the detected storage device. HDD Operation displays the read/write operations of the device. Status displays the current connection status of the storage device. Free/Total Space displays the amount of available space left on the connected storage device.

### 5.3.4. Maintenance

#### 5.3.4.1. Maintenance

The Maintenance menu allows users to set system time, date format, record period, etc. Below is a screenshot of the maintenance menu:

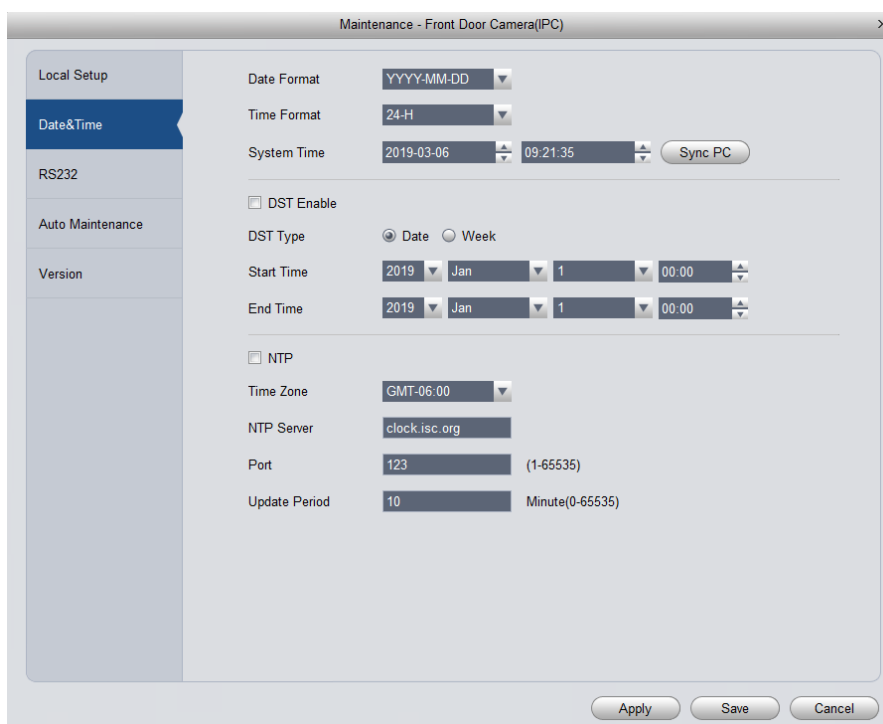


Please refer to the following sheet for detailed information.

Parameter	Function
Device name	It is to set device name.
Device No.	When you are using one remote control to manage multiple devices, you can give a serial number to the device. Before the operation, please make sure you have clicked address button on the remote control and input a number for current device.
Language	You can select the language from the dropdown list. <b>Please note the device needs to reboot to get the modification activated.</b>
Video Standard	This is to display video standard such as PAL.
HDD full	Here is for you to select working mode when hard disk is full. There are two options: stop recording or rewrite. <ul style="list-style-type: none"> <li>If current working HDD is overwritten or the current HDD is full while the next HDD is no empty, then system stops recording,</li> <li>If the current HDD is full and then next HDD is not empty, then system overwrites the previous files.</li> </ul>
Pack duration	Here is for you to specify record duration.

### Date&Time

The **Date & Time** tab allows users to set the date and time settings for the device. Below is a screenshot of the date & time menu:

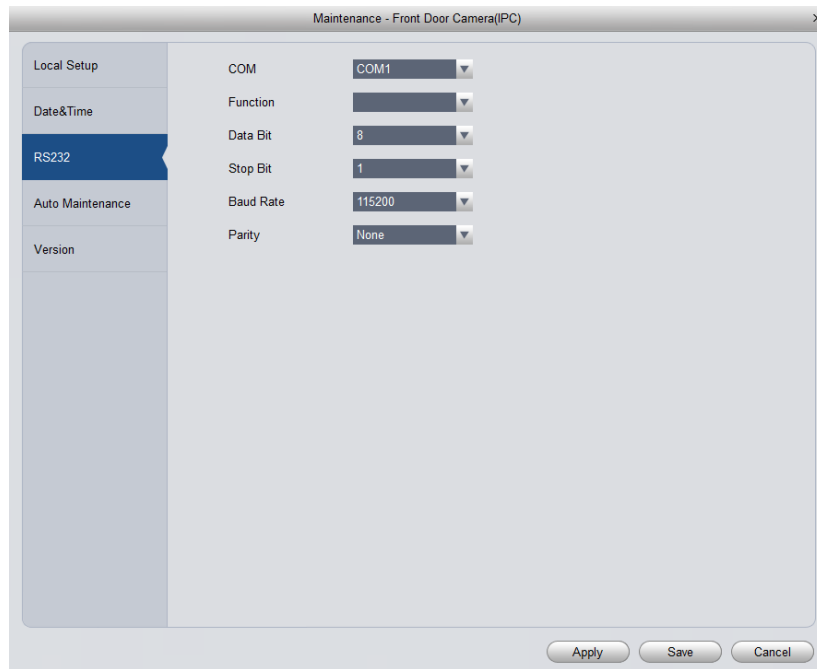


Please refer to the following sheet for detailed information.

Parameter	Function
Date format	Allows the user to select date format from the dropdown list.
Time Format	There are two options: 24-H and 12-H.
Time zone	Sets the time zone for the device.
System time	Sets the device time.
Sync PC	You can click this button to save the system time as your PC current time.
DST enable	Check the box to enable DST (daylight savings time) to your device.
NTP	Check the box to enable NTP function.
NTP server	Allows the user to set the device to the time server address.
Port	Sets the time server port.
Update period	Sets sync periods between the device and the time server.

## RS232

The **RS232** tab is used to set alarm settings for connected devices with RS232 capabilities. Below is a screenshot of the RS232 menu.

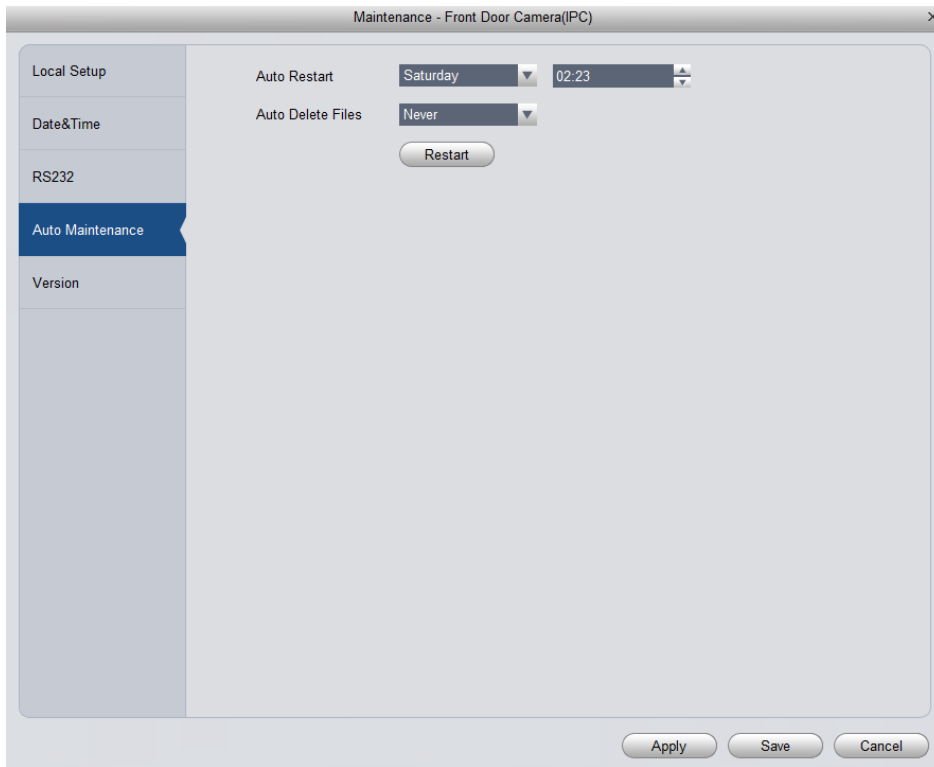


Please refer to the following sheet for detailed information.

Parameter	Function
COM	You can select from the dropdown list.
Function	<p>There are various devices for you to select.</p> <ul style="list-style-type: none"> <li>● Console is for you to use the COM or mini-end software to upgrade or debug the program.</li> <li>● The control keyboard is for you to control the device via the special keyboard.</li> <li>● Transparent COM (adapter) is to connect to the PC to transfer data directly.</li> <li>● Protocol COM is for card overlay function.</li> <li>● Network keyboard is for you to use the special keyboard to control the device.</li> </ul>
Baud Rate	Default setup is 115200.
Data Bit	Default setup is 8.
Stop bit	Default setup is 1.
Parity	Default setup is none.

### Auto Maintenance

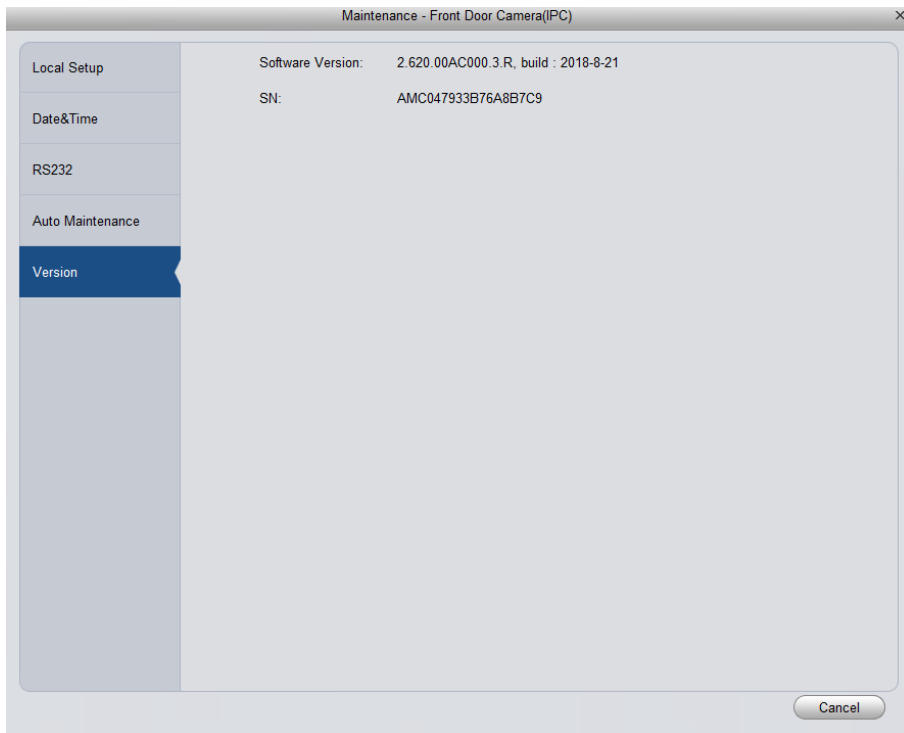
The **Auto Maintenance** tab allows the user to set auto-reboot time and auto-delete old files setup. You can set to delete the files for the specified days. Below is a screenshot of the auto maintenance menu:



To restart the device from the software, click the **Restart** button. To save the settings to the software, click **Apply** and **Save**. Failure to click these options will result in the settings not being applied to the system.

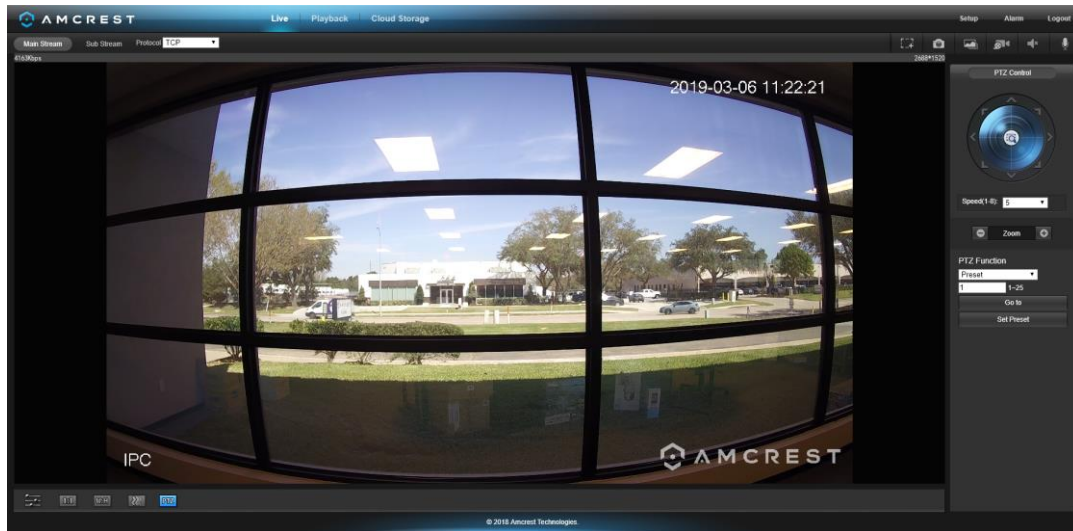
### Version

The **Version** tab allows the user to view what firmware version is being used as well as the serial number associated with the connected device. Below is a screenshot of the version menu:



### 5.3.4.3. WEB

The **Web** icon in the allows the user to quickly access the web user interface for their device via a web browser. The following screenshot is for reference only.



For more information on general PC based web access, please visit [amcrest.com/support](http://amcrest.com/support)

## 5.3 Alarm CFG

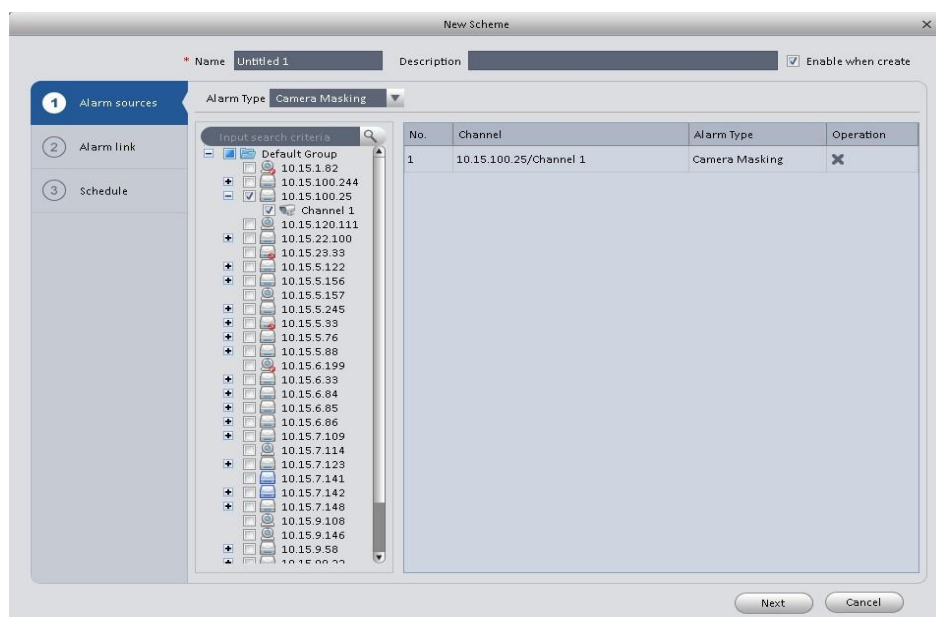
The Alarm CFG menu allows users to configure alarm schemes for a connected device.

### 5.3.1 Set Alarm Scheme

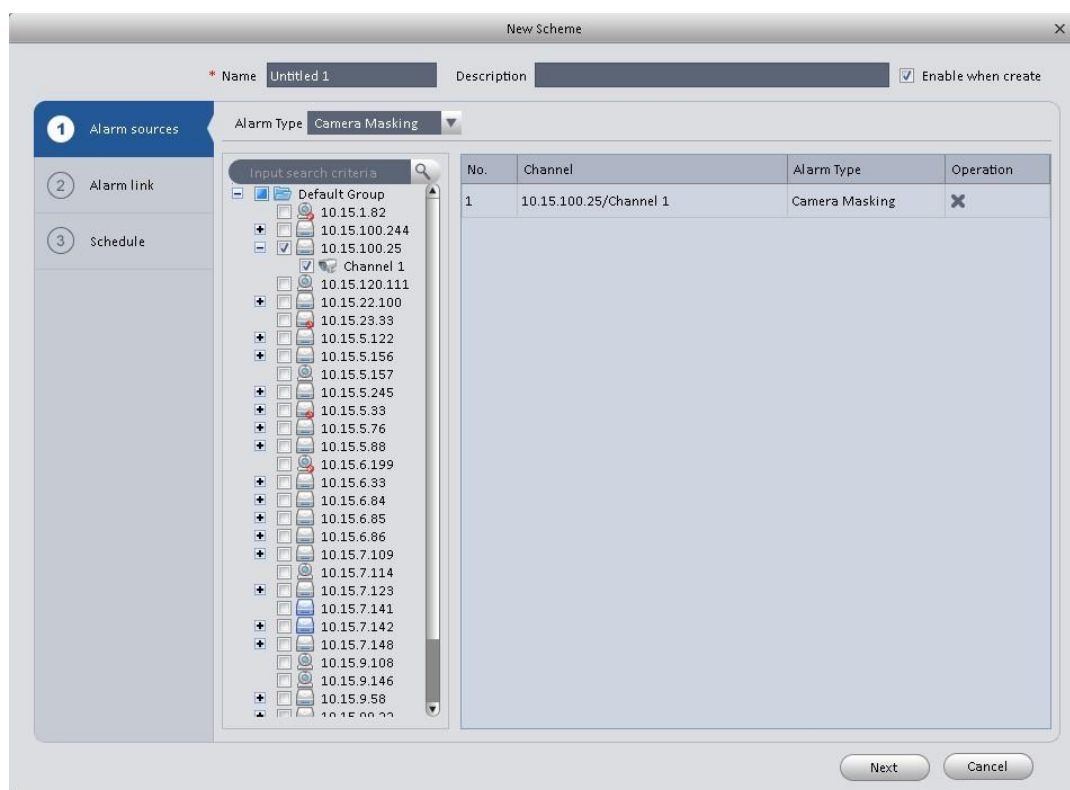
An alarm scheme is a system of alarm settings that can be link to specific devices chosen by the user. Below is a screen shot of the **Alarm CFG** menu:



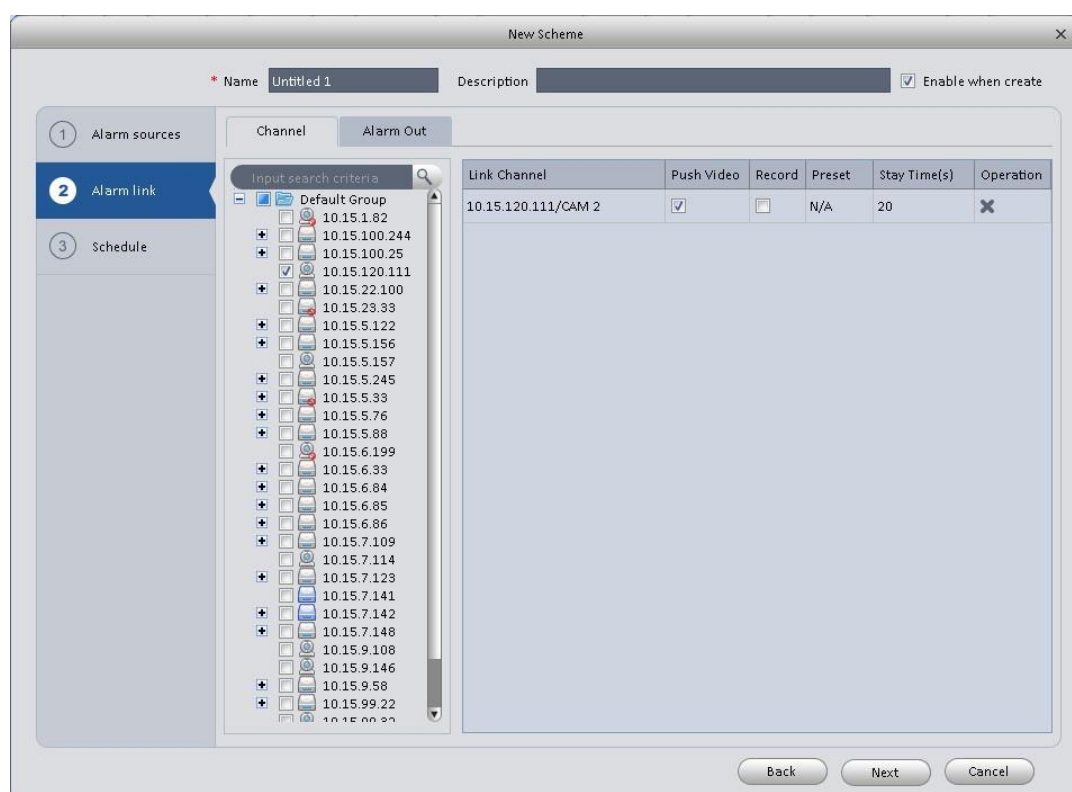
To set an alarm source, click **Add** button system goes to **alarm sources** setup interface.

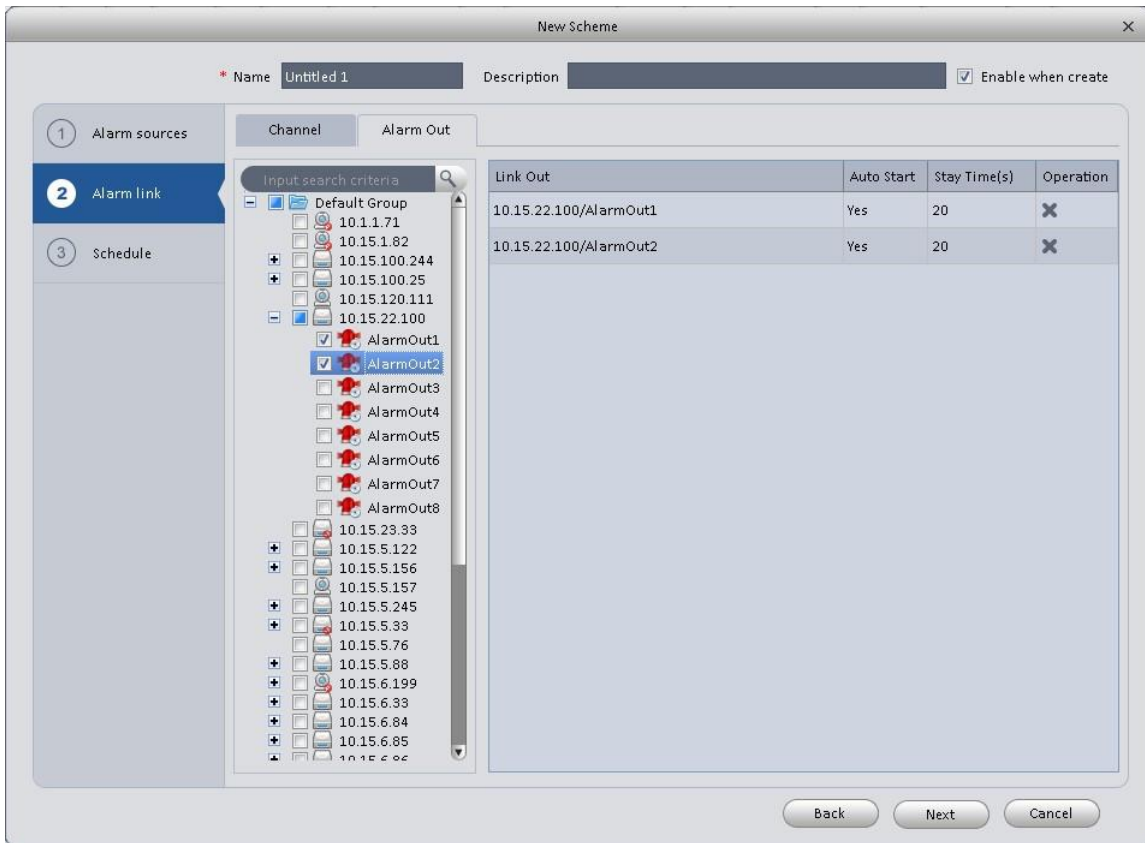


In this menu the user can input a scheme name and some reference information. Select the alarm type from the dropdown list. Check the box to select a channel you want to set alarm scheme on the left pane; you can add it to the list on the right pane.

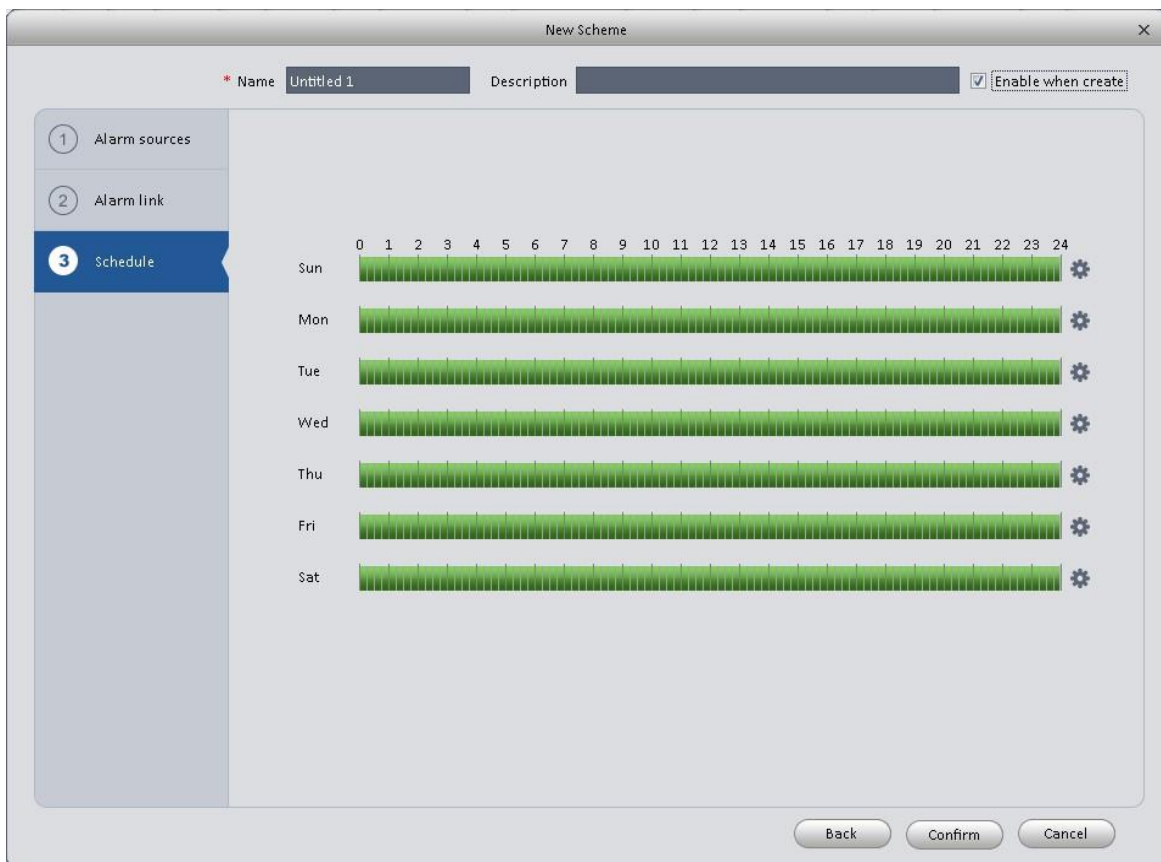



Click Alarm Link on the left pane or click next button, you can go to the following interface. Please check the trigger channel and alarm output channel.



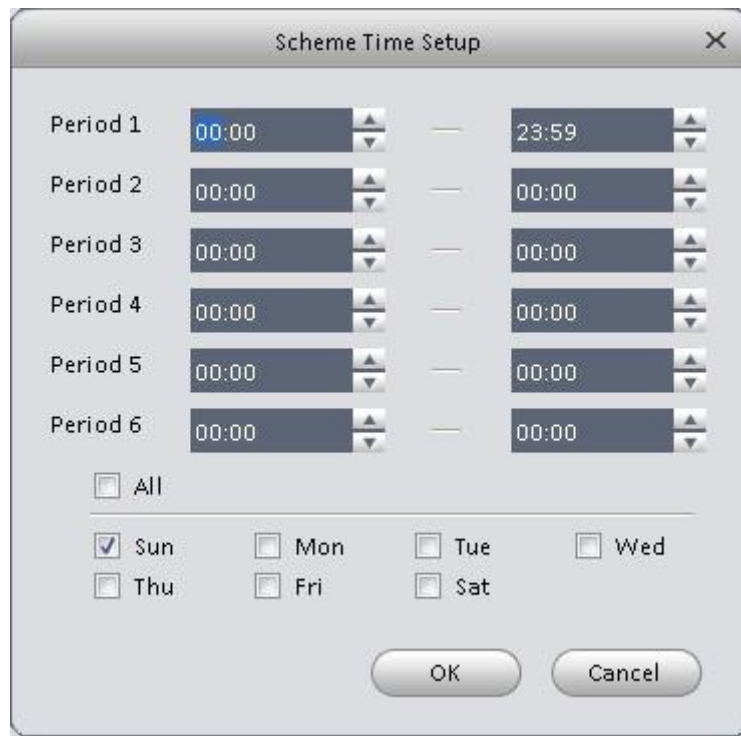


Click Period button on the left pane or click next button, you can go to the following interface.



Click  after a date to set alarm activation period. There are six periods in one day. Click **OK** button to exit.




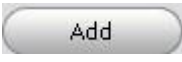







Click the **OK** button, you can view the scheme information on the alarm setup interface.

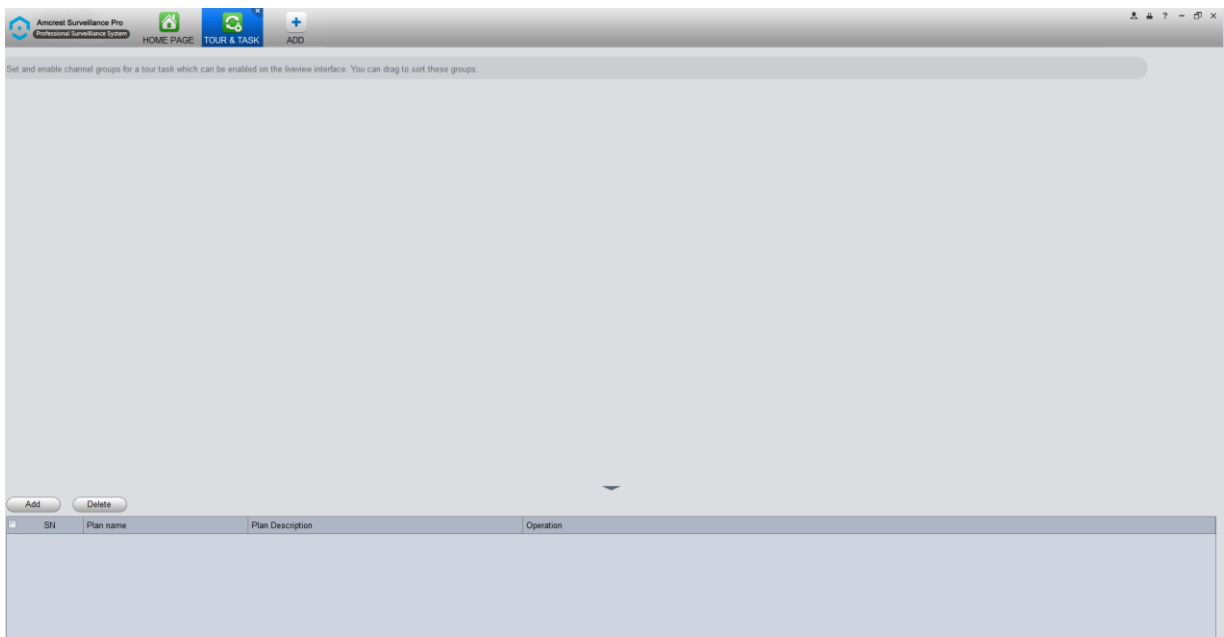
### 5.3.2 Enable/Disable/Export Scheme

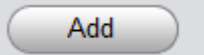
After you added a scheme, you can view the following contents for operation information.

-  : Delete current scheme.
-  : Disable current scheme.
-  : Enable current scheme.
-  : Add scheme.
-  : Select one or more scheme(s) and then click this button to delete.
-  : Import scheme information.
-  : Export scheme information.



## 5.4 Tour &Task

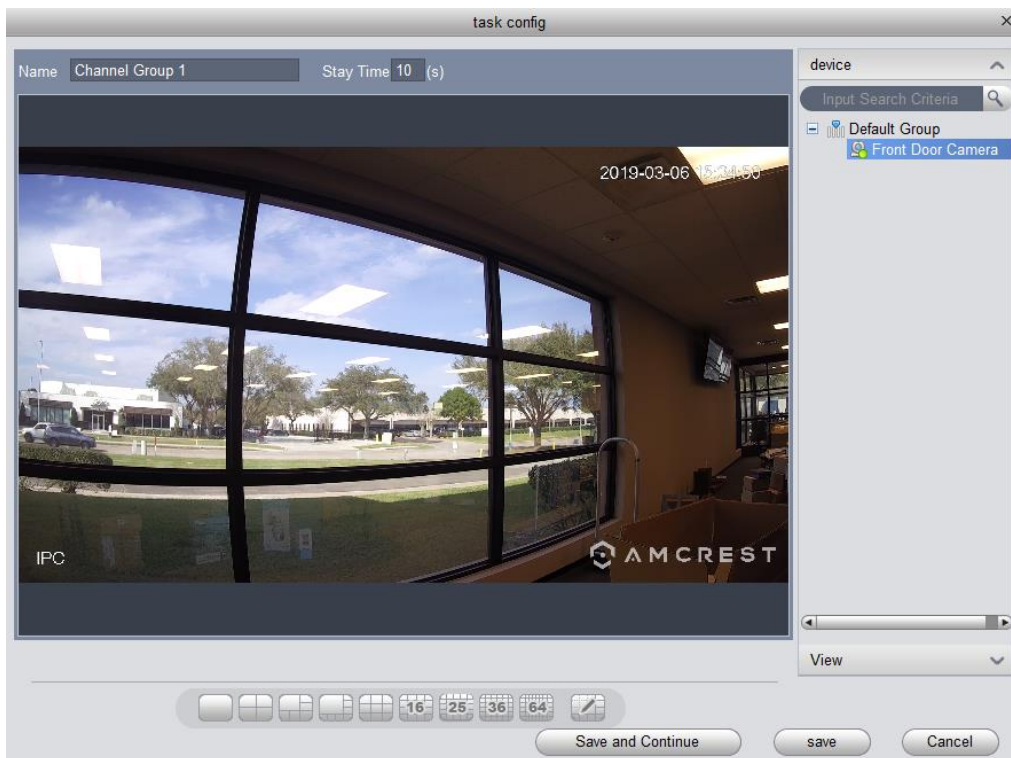
The **Tour & Task** menu allows the user to configure and monitor a tour among each window of a connected device. Please follow the steps listed below to set. Below is a screenshot of the **Tour & Task** configuration menu:



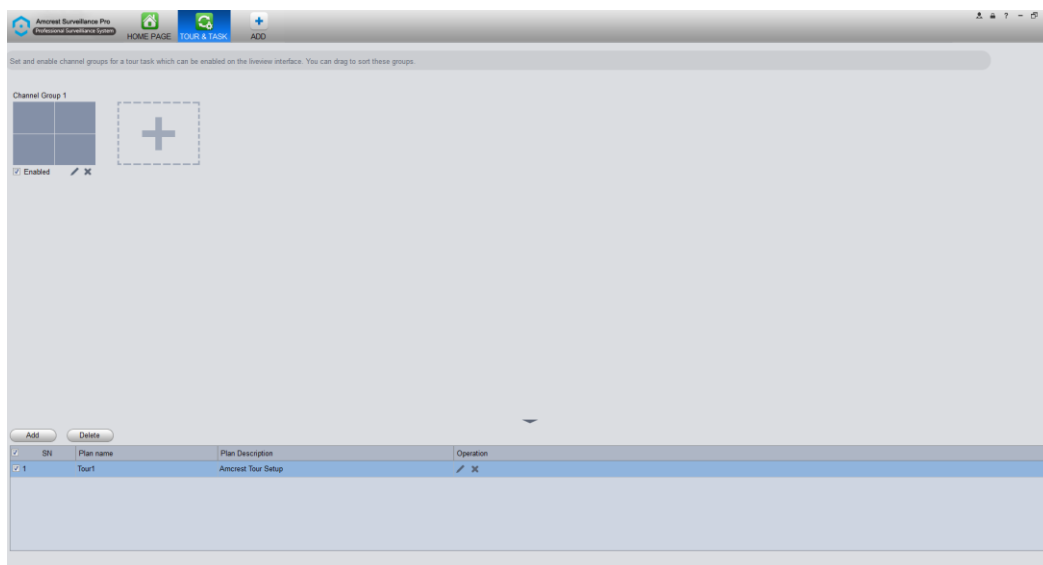
- To add a tour or task, click the  button to add task interface.
- Input task name and description in the Manual Add box. Click **Add** to add the tour.




The 'Manual Add' dialog box is shown. It has a title bar 'Manual Add'. Inside, there are two input fields: 'Plan Name:' with the value 'Tour1' and 'Description:' with the value 'Amcrest Tour Setup'. At the bottom of the dialog, there are two buttons: 'Add' and 'Cancel'.

- The tour plan will then be added. Click on the  icon to access the **task config** menu.
- Use the  at the bottom of the interface to select window amount.
- Drag channel(s) on the right pane to the windows on the left pane to view the live feed.



- Click on the **Save and Continue** button to add Channel Group 1 into the tour & task interface.



- To add additional tour plans into the tour & task interface click on the  and repeat the process previously listed.
- Check the enable button to open current scheme. Or you can go to the main interface and then click the Liveview button () to go to the live view interface. Click  at the bottom of the interface to enable the scheme.

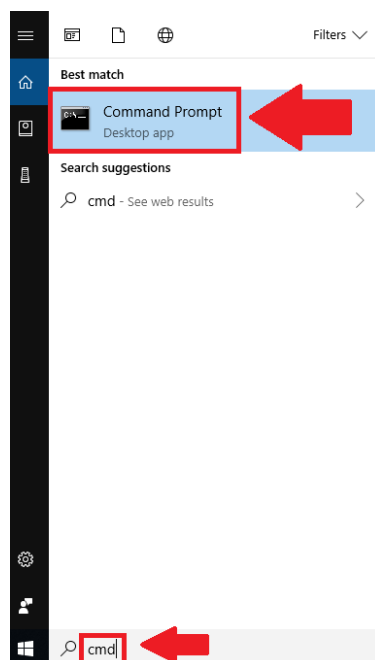


## 5.5 PC-NVR

PC-NVR allows your device to record directly to your computer's hard drive. To setup PC-NVR on your computer, follow the instructions set provided below.

**Note:** PC-NVR is not compatible with MacOS. **PC-NVR is only compatible with Windows based operating systems.**

To begin setting up PC-NVR, navigate to the command prompt menu for your computer. The command prompt can be found by typing "cmd" in the **Type here to search** (Cortana) option on your desktop. Click on **Command Prompt**.



In the command prompt menu, type in **ipconfig** to access the **IPv4 Address** for your computer.

```
Command Prompt
Microsoft Windows [Version 10.0.17134.590]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\M Marsh>ipconfig

Windows IP Configuration

Ethernet adapter Ethernet:

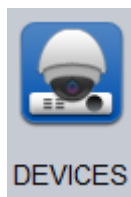
    Connection-specific DNS Suffix . . . : 
    Link-local IPv6 Address . . . . . : fe80::f5a6:cd1e:f6a0:a1f2%7
    IPv4 Address. . . . . : 10.0.7.188
    Subnet Mask . . . . . : 255.0.0.0
    Default Gateway . . . . . : 10.0.0.1

Ethernet adapter Bluetooth Network Connection:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . . : 

C:\Users\M Marsh>
```

When the IPv4 address for your computer has been located, navigate back to the home page in the Amcrest Surveillance Pro software and click on the **Devices** icon located in the **Settings** menu.

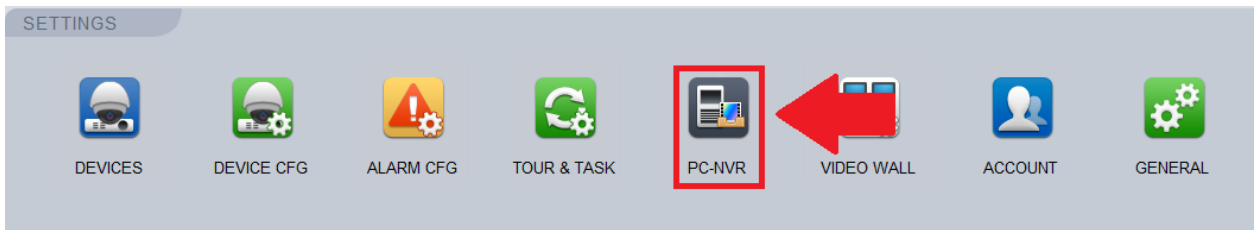


In the **Devices** menu, click on the **Add** button. In the **Manually Add** screen enter a name, preferably "PC-NVR" and in the **IP/Domain Name** field, enter the **IPv4 Address** from the command prompt screen. Lastly, enter the username and password. The username and password will both be **admin**. When complete, press **Save and Continue** to proceed.

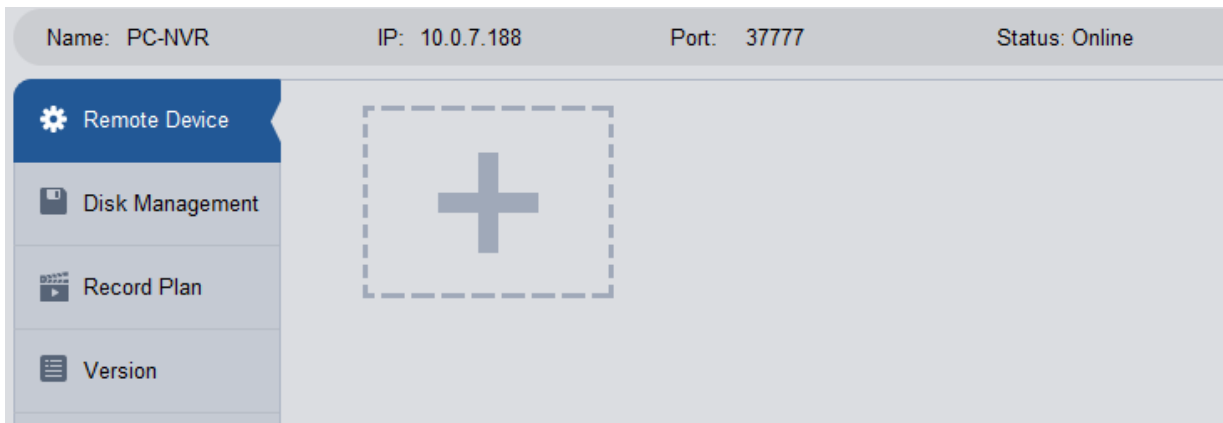
A dialog box titled "Manually Add" with a close button (X) in the top right corner. It contains several input fields and dropdown menus. The fields are: "Device Name" with the text "PC-NVR"; "Method to add" with a dropdown menu showing "IP/Domain"; "IP/Domain Name" with the text "10.0.7.188"; "Port" with the text "37777"; "Group Name" with a dropdown menu showing "Default Group"; "User Name" with the text "admin"; and "Password" with a masked field of six dots. At the bottom, there are three buttons: "Save and Continue", "Add", and "Cancel".

The PC-NVR entry will then be added into the **Devices** menu.

To enable PC-NVR, navigate to the **Home Page** and in the **Settings** menu, click on the **PC-NVR** icon.



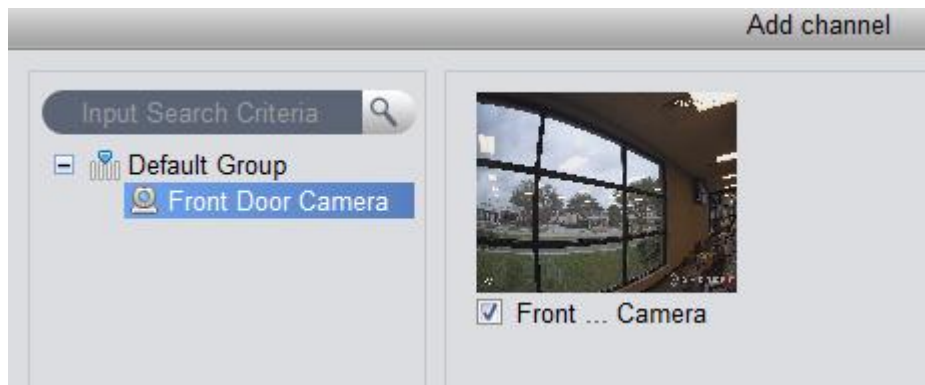
Once the **PC-NVR** tab opens, you will find your PC-NVR details, select **Remote Device**.



Click on the **Plus** button to add a camera from the cameras you have connected to Amcrest Surveillance Pro.



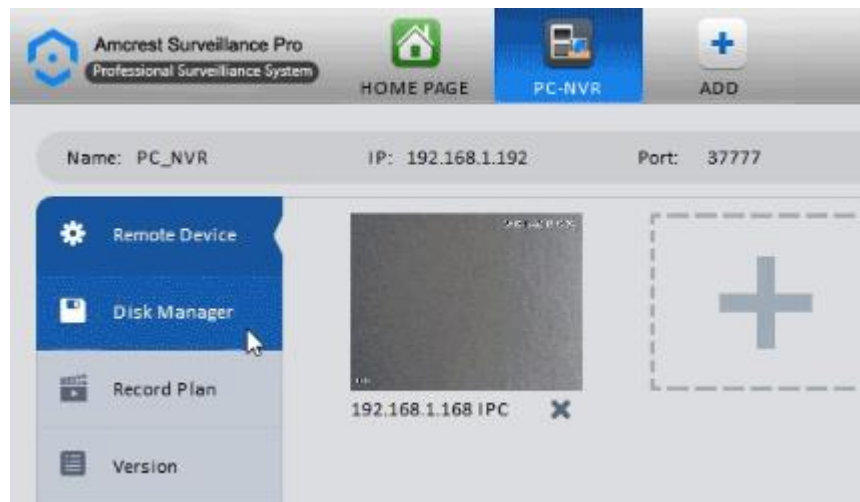
The **Add Channel** window will appear, select your camera from the **Default Group** or Custom Group list you've created.



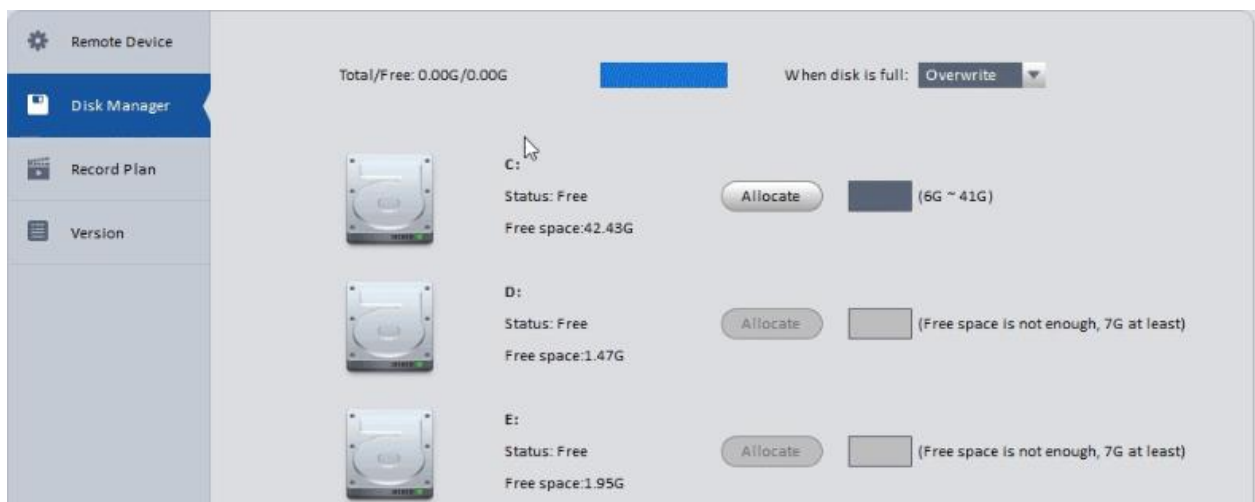
The camera will appear in the right screen, check the **IPCamera** check box. Click **Save**.

### 5.5.1 How to Setup Storage for PC-NVR Recordings

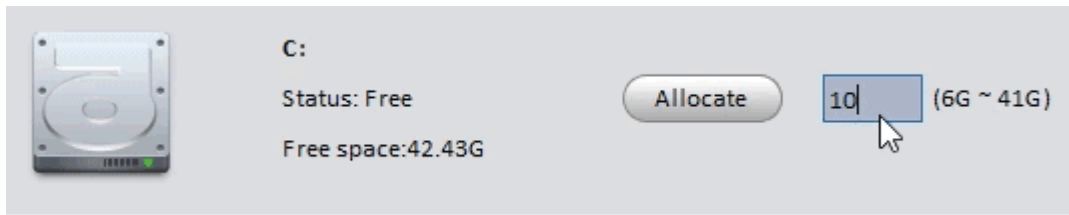
Access the PC-NVR menu and navigate to the **Disk Manager** tab in the far-left corner of the screen.



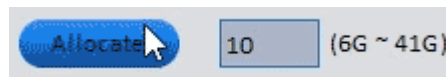
**Disk Manager** will appear showing you a list of drives that could be used to allocate storage space for your cameras through Amcrest Surveillance Pro.



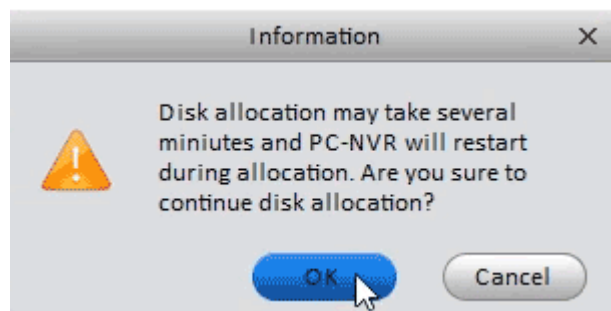
Select a disk you would wish to use for recording purposes, you may allocate as much space as you have available on the drive within its minimum and maximum allowance.



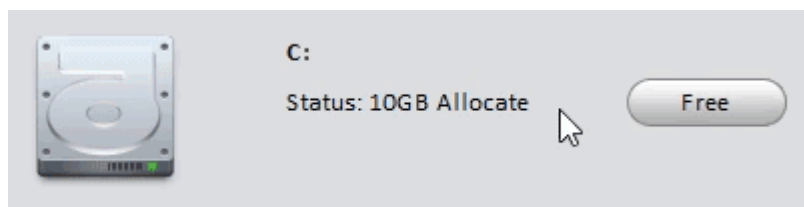
Once you've set a number between the possible storage sizes, click **Allocate**.



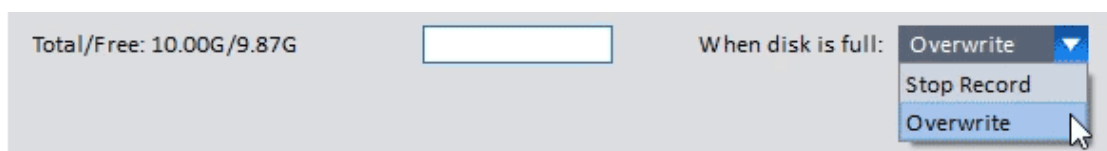
A prompt window will appear to warn you the allocation may take several minutes, and the application will restart after completion. Click **OK** to begin the allocation.



You will notice the disk you selected will now have the allocated space you selected, and at any point in time you can select **Free** to free up the space by wiping that allocation.



At the top of the **Disk Manager** window you can select what happens when the disk you've allocated gets full. Two options, **Stop Record** to end all recordings after the disk is full or **Overwrite** to continue to save over the oldest recorded data.

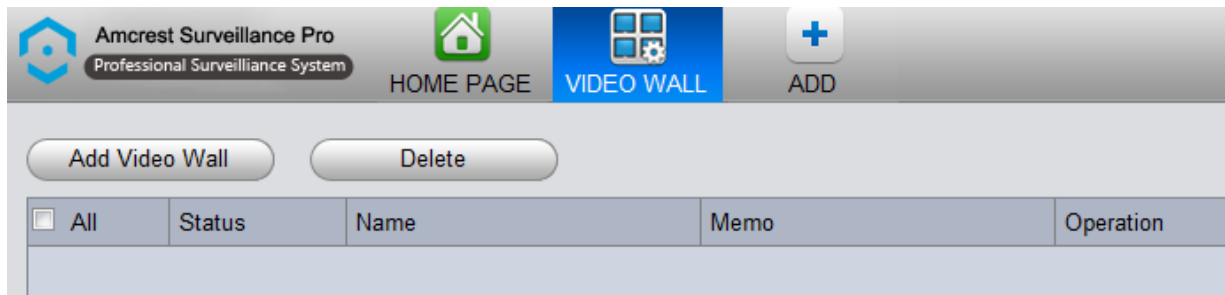


You've successfully added your camera to Amcrest Surveillance Pro, turned your computer into a PC-NVR and have the camera recording any or all the motion events you have set up internally on the camera's main interface.

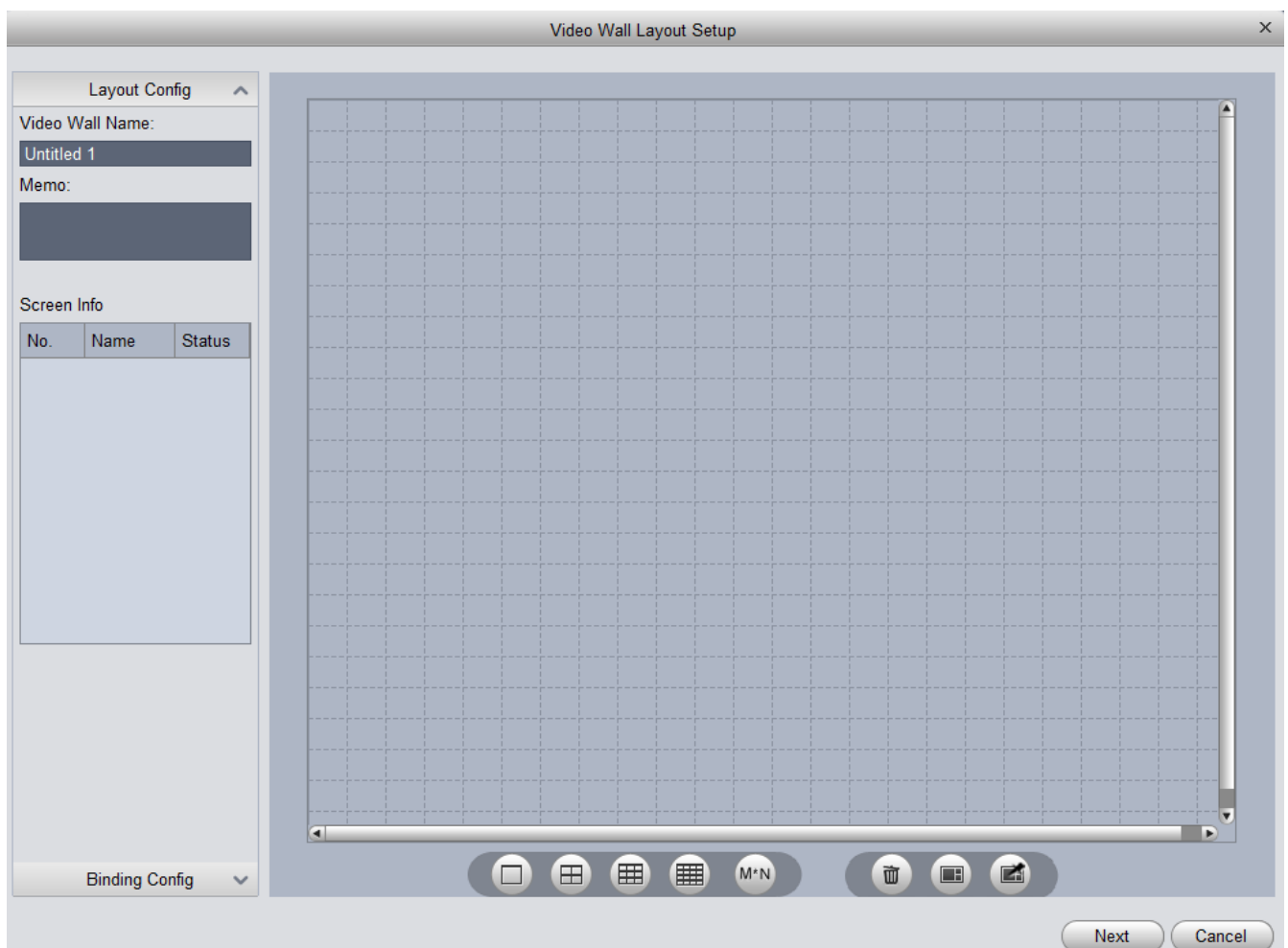



## 5.6 Video Wall Configuration

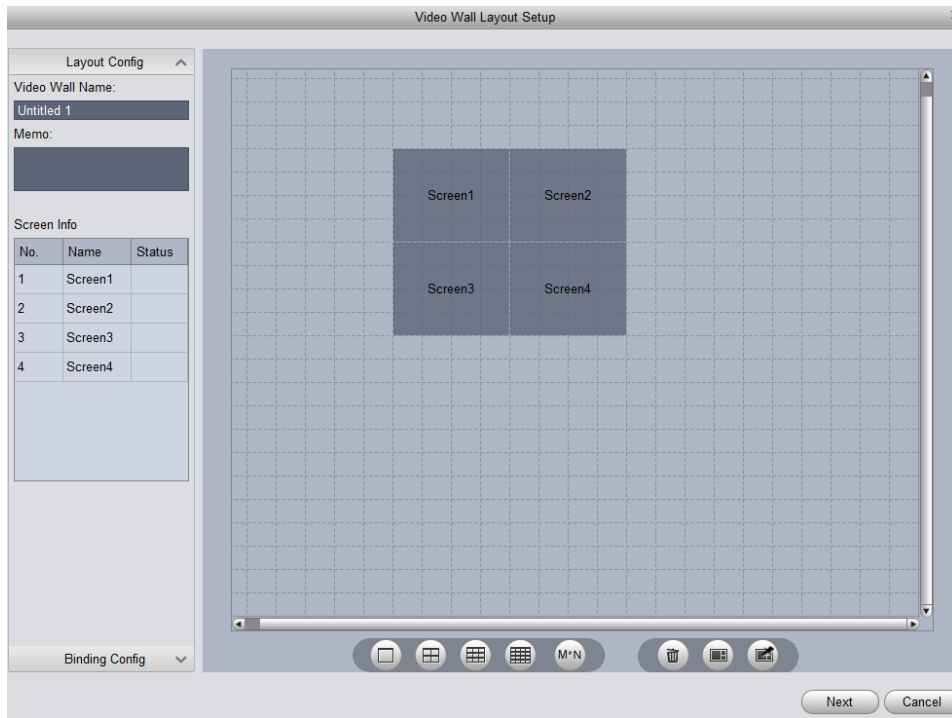
The **Video Wall** configuration menu allows the user to output video to the video wall platform within the software. Multiple cameras will have to be connected into the software for a video wall to work. Below is a screenshot of the video wall configuration menu:






To begin configuring a video wall click on the **Add Video Wall** button to access the **Video Wall Layout Setup** menu.



To begin, enter a name for the video wall in the **Video Wall Name** field. A memo can be added as well for a brief description of the video wall. Next, click the  below and select a layout as 1\*1, 2\*2, 3\*3, 4\*4 or M\*M. and move the selection to the video wall menu.

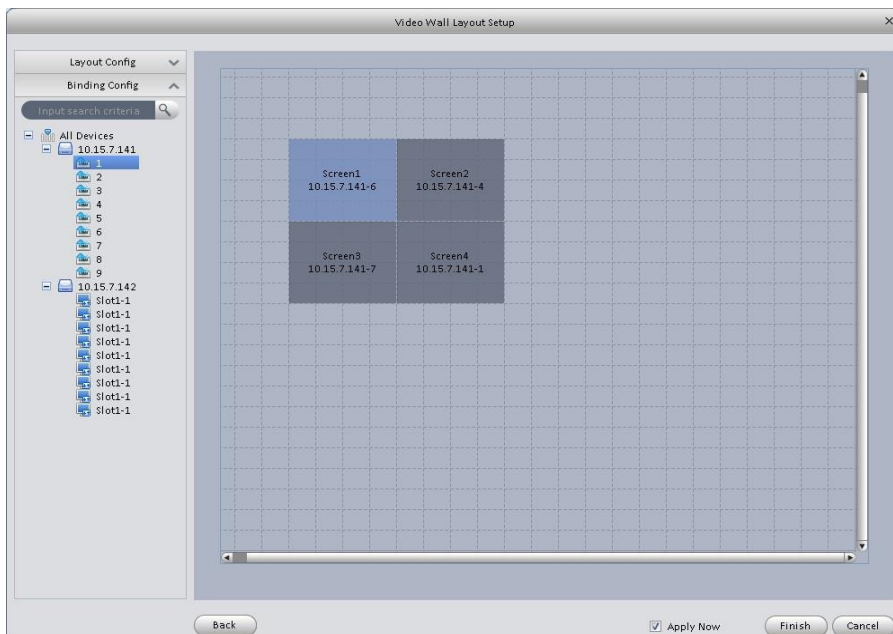



- Use Ctrl+left click mouse to select several screens, right click mouse to select splicing or click , you can combine several screens to a splicing screen. Right click mouse, select unbind splicing or click , you can cancel splicing.
- Select a screen and right click to select rename or delete, you can rename screen name or delete a screen. Click , you can delete all screens.

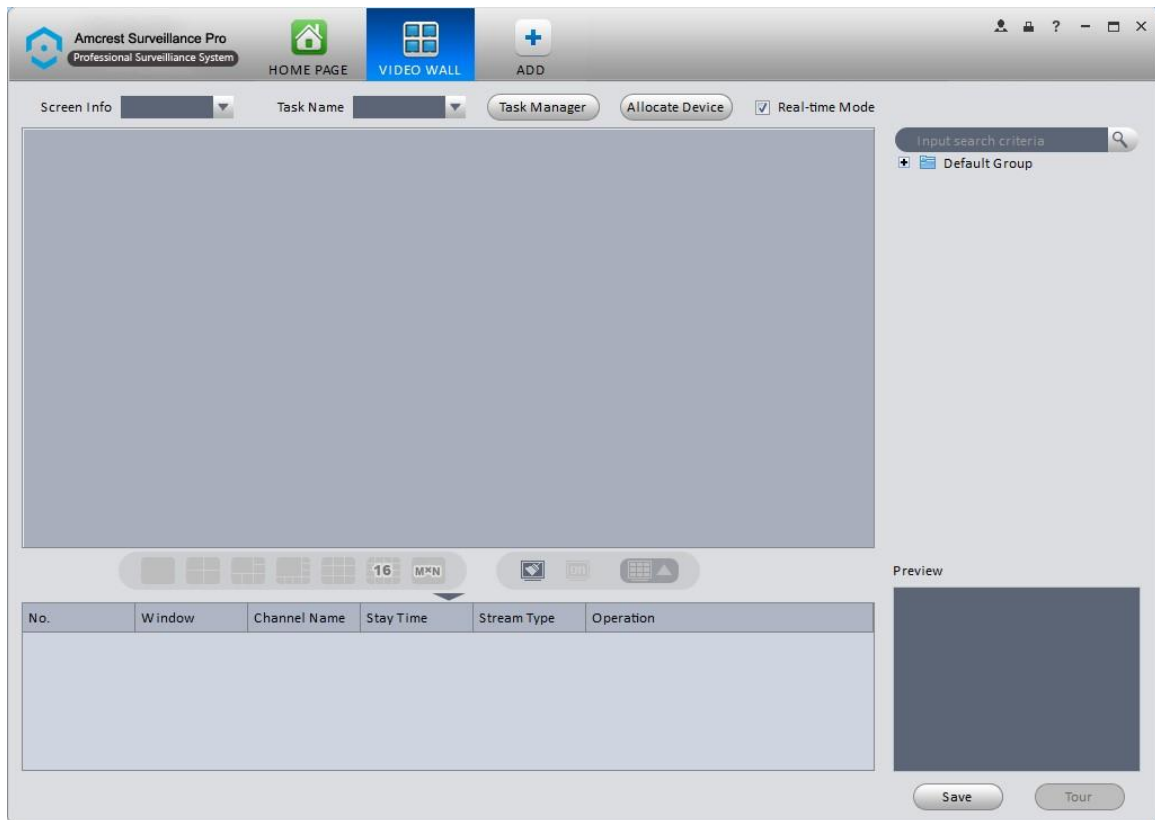
To proceed, click the **Next** button, to go to the video wall input binding interface.




### Binding decoder channel

Select a decoder channel and then drag it to the corresponding screen of the video wall.



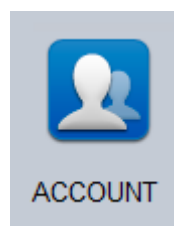
When a screen binds, you need to splice physical layout , otherwise you cannot bind. Check the box to enable setup immediately and then click Finish button.



Double click the video wall or select a video wall and then click Modify button  to change its setup. You can also click the **Delete** button or  to remove. Click the  to change video wall on/off setup.

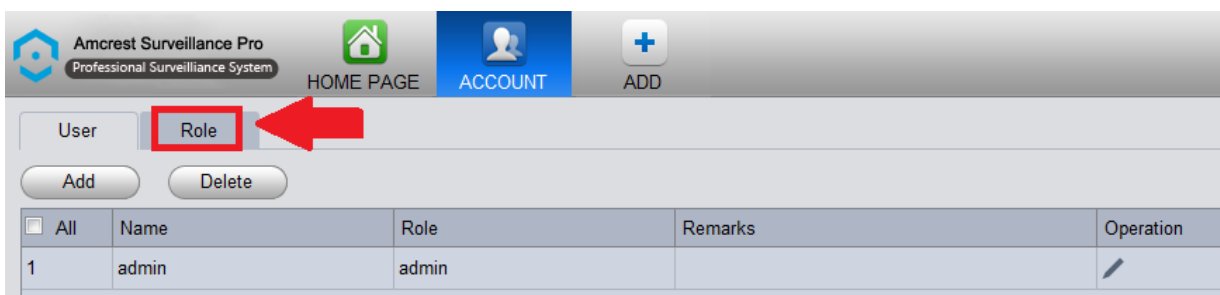
## 5.7 Account

This menu allows the user to add, modify, or delete a user from the software. To access the Account menu, navigate back to the home page and click on the **Account** icon located in the settings menu.

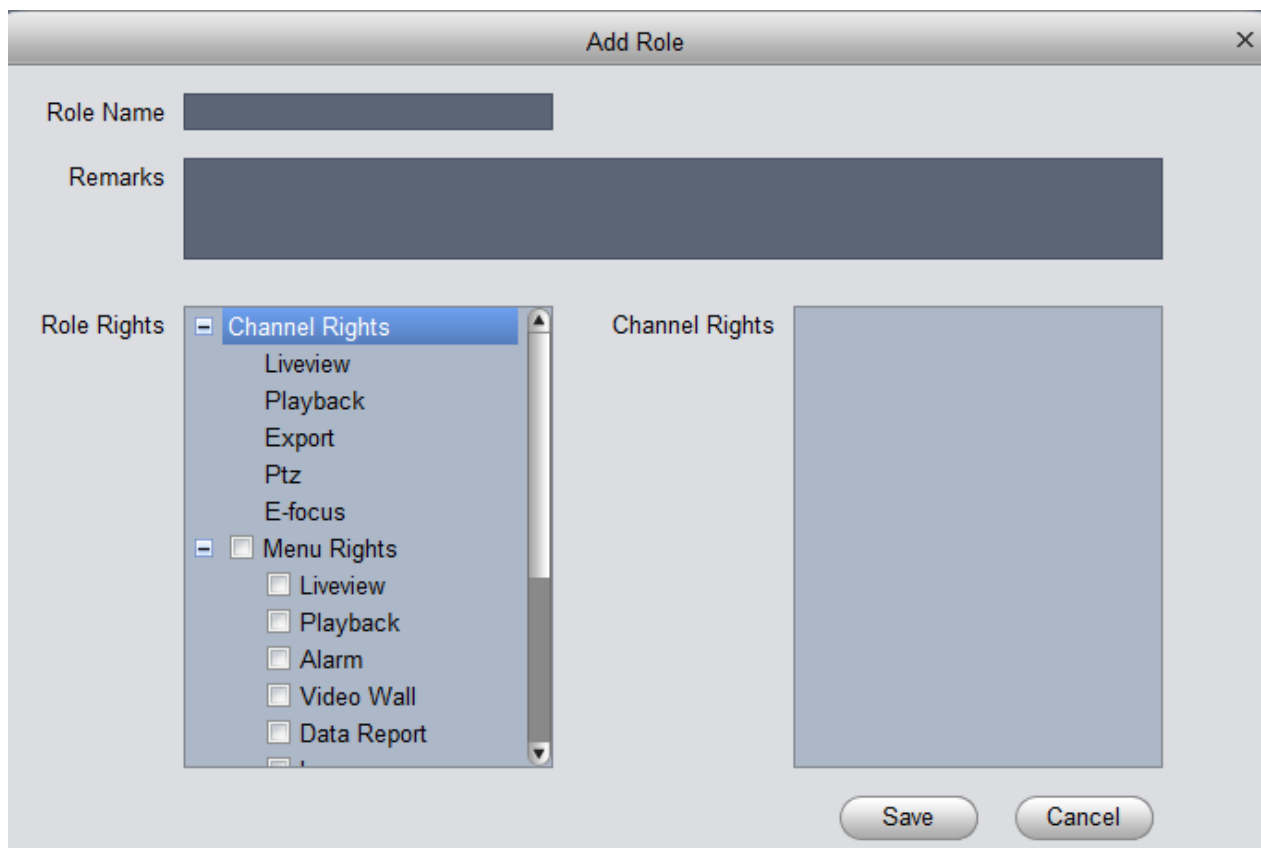


### 5.8.1. Add Role

The **Role** tab allows the user to set specific roles for added users based in the Amcrest Surveillance Pro software. To set a role click on the **Role** tab located in the top of the menu.



Click on the user you would like to add a role to, if you would like all users to have these roles, click the **All** button. Click the **Add** button to begin adding a role. The **Add Role** menu is displayed below:



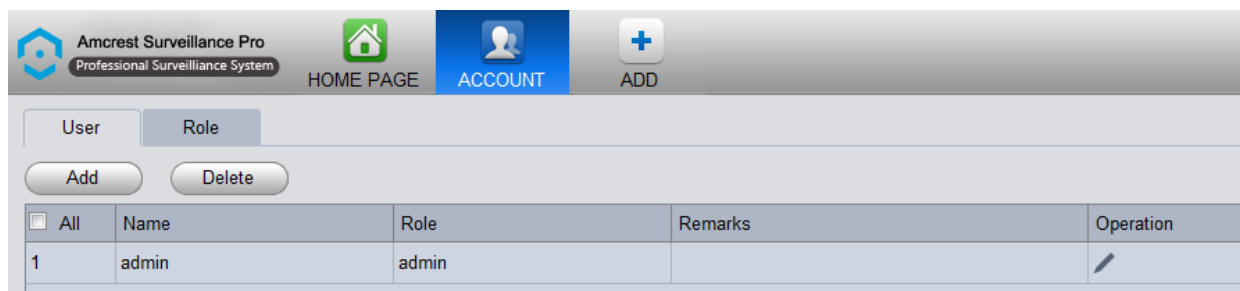
Input a role name and check the corresponding role rights you would like to apply. You can input some reference information if necessary. When complete, click on the **Save** to save and apply the settings to the software.

### Tips

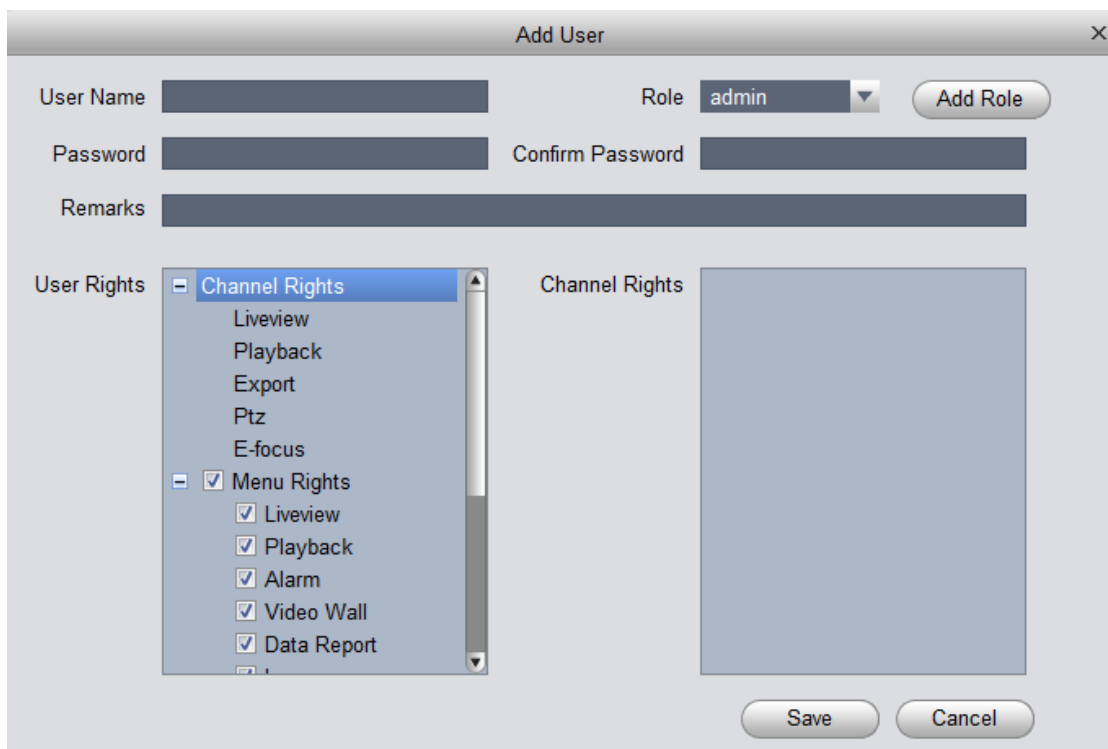
Select a role and then click Modify/Delete button to modify or delete a role.

### 5.8.2. Add User

The **User** tab allows the user to added additional users to the Amcrest Surveillance Pro software. To add a user, click back to the **User** tab located in the top of the menu.



To add a user, click **Add** button, you can see system pops up the following interface.



Below is a description of the functions listed in this menu:

Item	Function
User name	Input user name here.
Role	You can select user role from the dropdown list. Click the <b>Add Role</b> button to add and apply a new role for the user.
Password	Set user password.
Confirm password	Confirm the new password.
User Rights	Allows the user to select corresponding rights for newly added users. If the new user is a manager, system checks all rights by default.


### Tips

Select a user name and then click Modify/Delete button to modify or delete a user.

## 5.8 General

If it is your first time to login the Amcrest Sureillance Pro, you need to set system parameters. This section includes network performance, log save times, login attempts, picture, and record saved paths. Please follow the steps listed below.

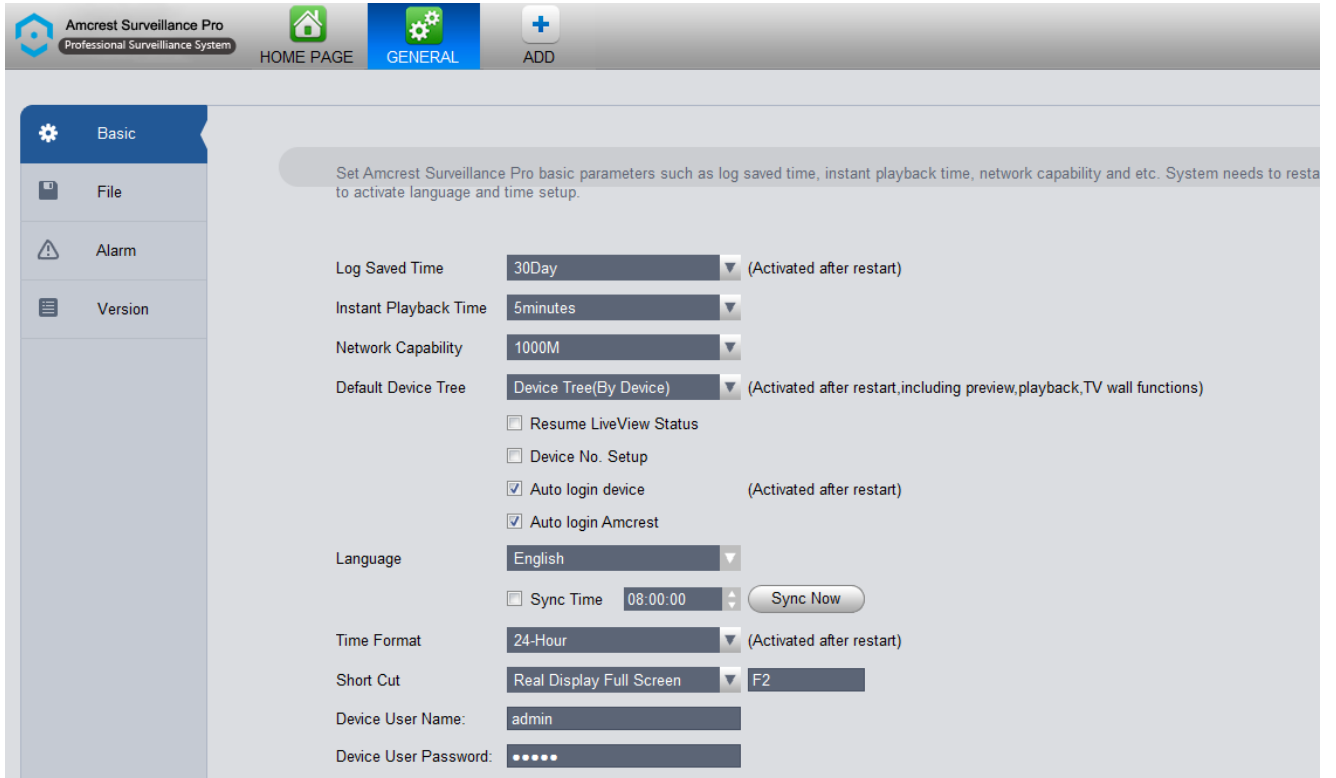


Click the  button; you can go to the general interface.

## 5.8.1 Basic

In the General settings menu, the **Basic** tab allows the user to set capability, language, time and other settings related to the software. Below is a screenshot of this menu:

Please refer to the following sheet for detailed information.



Below is a description of the features listed in this menu:

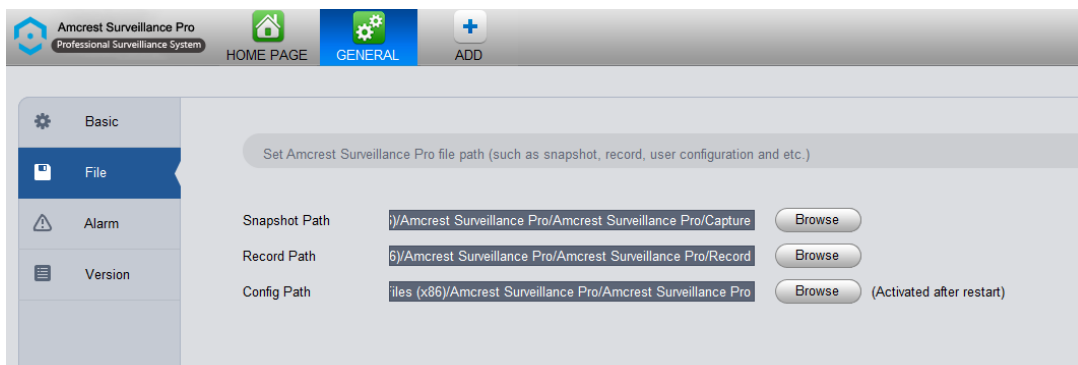
Item	Function
Log Saved Time	Here you can set log save time. System automatically overwrites old files once it reaches the period you set here and is activated after a restart of the software.
Instant Play Time	Sets instant playback time for recordings.
Network capability	Allows the user to set network function. It includes: "Low", "10M", "100M", "1000M".
Default Device Tree	Allows the user to select whether a device tree will be relevant by device or by channel. <ul style="list-style-type: none"> <li>• <b>Resume LiveView Status:</b> This checkbox allows the system to restore previous liveview status after a restart of the software occurs.</li> <li>• <b>Device No. Setup:</b> This checkbox allows the user to apply device numbers upon setup.</li> </ul>

	<ul style="list-style-type: none"> <li>• <b>Auto Login Device:</b> This checkbox allows the device to automatically login after the software restarts. (Activated after restart).</li> <li>• <b>Auto Login Amcrest:</b> This checkbox allows the Surveillance Pro software to login directly without having to input a username or password.</li> </ul>
Language	This drop box allows the user to set language parameters for the software. By default, this option will be set to English.
Auto Login Windows	Check the box here and then input user name and password, you can go to the Windows OS after the computer restarts.
Sync time	This checkbox allows users to enable time synchronization function and then input synchronization time. Amcrest Surveillance Pro can auto synchronize time with the PC at the time you specified. Click the <b>Sync now</b> button to begin synchronization.
Time format	System time format. It includes 12H/24H.
Short Cut	Allows the user to set shortcut for functions such as, full screen display, playback, alarm, general, tour & task, etc. The default function will be set to F2.
Device User Name	This section allows the user to enter the device user name they would use for the software.
Device User Password	This section allows the user to enter the device password that they would use for the software.

To revert the settings in this menu back to default, click on the **Default** button. To save and apply the settings to the Amcrest Surveillance Pro software, click **Save**.

## 5.8.2 File

The **File** tab allows the user to set a default destination path for snapshots, record, and configuration options set in the Amcrest Surveillance Pro software. Below is a screenshot of the **File** menu:

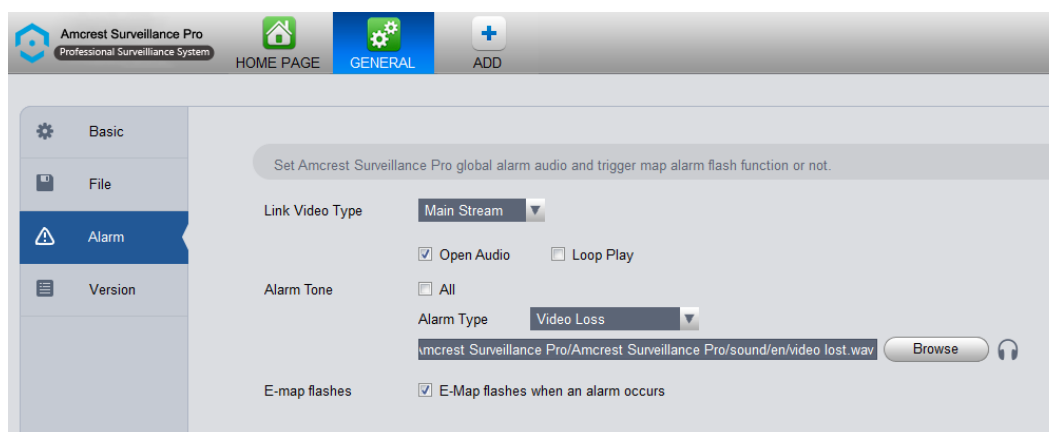



To set a default path, click on the **Browse** button for each feature and choose a folder path for your files. To revert the settings in this menu back to default, click on the **Default** button. To save and apply the settings to the Amcrest Surveillance Pro software, click **Save**.

**Note:** Configuration file path: Allows the software to import or export a configuration file. If you change path to D disk, you can export current software user information to D disk. If current software has installed at the D disk, you can import user information to current software.

### 5.8.3 Alarm

The **Alarm** tab allows the user to set audio alarm prompts applicable for the software. The interface is shown as below.



To set import an audio file, select which stream the alarm will be applied to from the **Link Video Type** dropdown menu. Click the **Open Audio** checkbox to allow the software to open the audio when an alarm is triggered. Click on the **Loop Play** check box to loop the audio when an alarm is triggered. The **All** button will allow the audio tone to be applied to all alarm types listed in the **Alarm Type** dropdown menu. Next, click **Browse** to select the audio file you would like to use. A .wav or .mp3 is recommended. To listen back to the audio, click the  button.

**E-Map flashes:** Check the box at the bottom of the interface to enable e-map function. The e-map will flash when a corresponding alarm is triggered. To revert the settings in this menu back to default, click on the **Default** button. To save and apply the settings to the Amcrest Surveillance Pro software, click **Save**.

### 5.8.4 Version

The **Version** tab allows the user to view the current version of Amcrest Surveillance Pro that is being used. This tab will show the version number and build date of the software. Below is a screenshot of the version tab:





**Note:**

- **This manual is for reference only. Slight difference may be found in the user interface.**
- **All the designs and software here are subject to change without prior written notice.**
- **All trademarks and registered trademarks are the properties of their respective owners.**
- **If there is any uncertainty or controversy, please refer to the final explanation of us.**
- **Please visit our website or contact your local service engineer for more information.**

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