

# **CMS Lite Software**

## **User Manual**

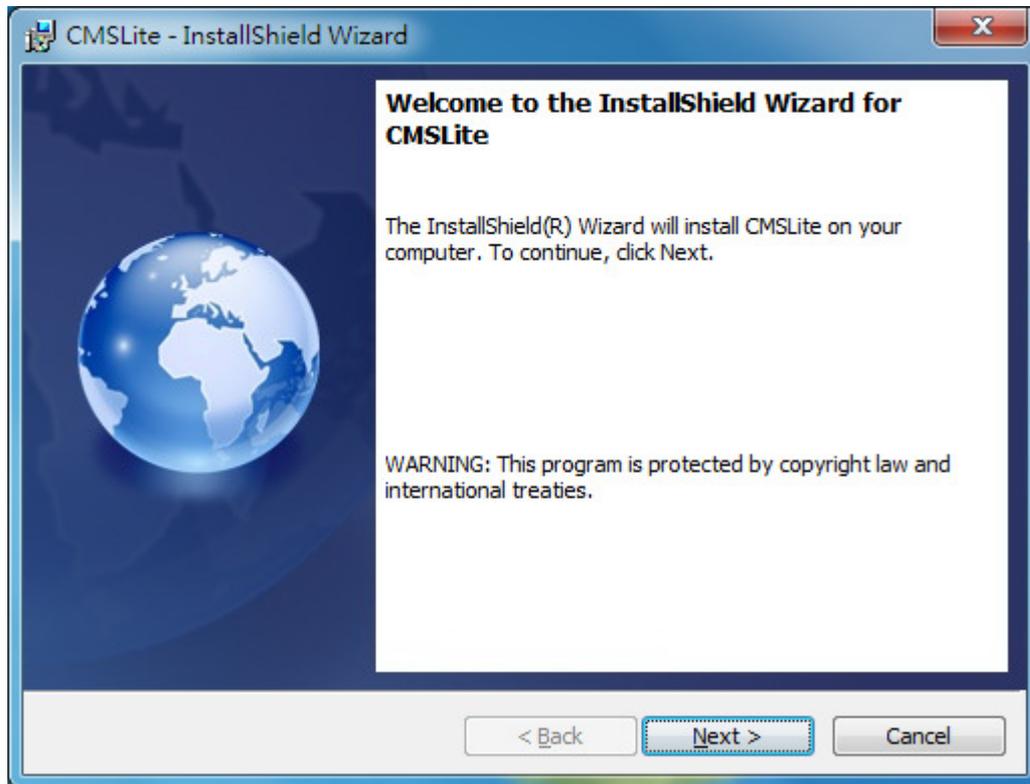
Release: Sep. 2011

# CONTENTS

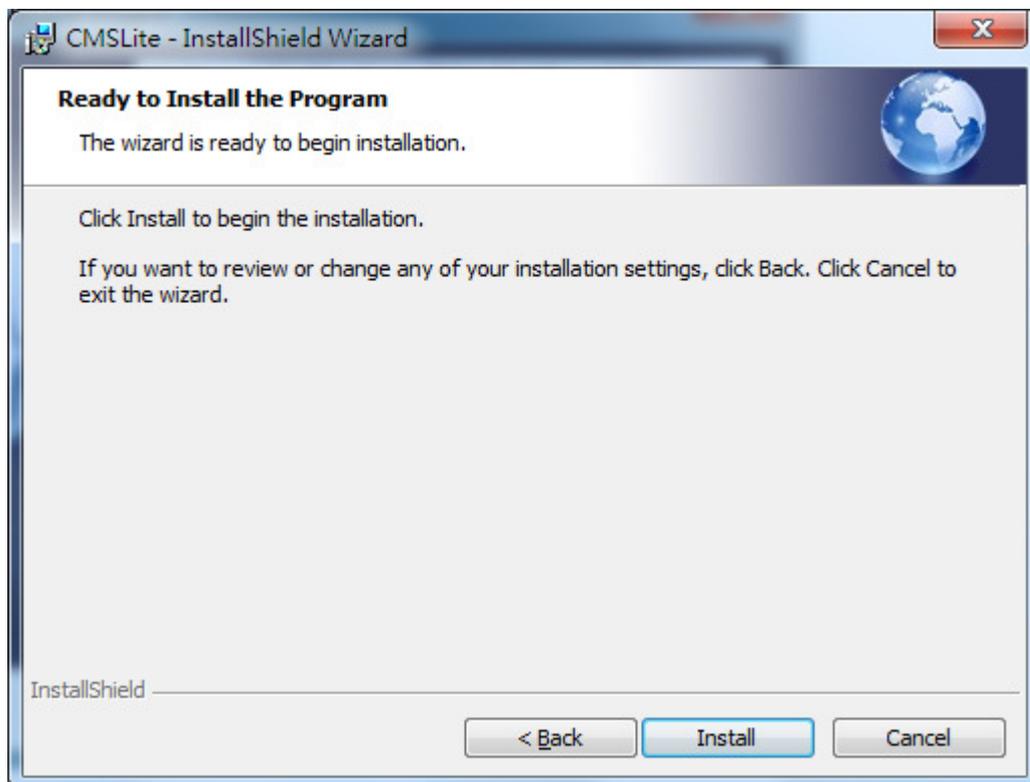
CONTENTS.....	1
1. System Installation.....	2
2. Execute CMSLite.....	5
3. Main Menu.....	6
4. Device maintenance .....	8
4.1 Area Setup.....	9
4.2 Location Setup .....	11
4.4 Group Setup .....	16
4.5 Status Collecting Steps.....	19
<b>5. View .....</b>	<b>20</b>
5.1 Device View .....	20
5.2 Group View .....	23
5.3 Event Alarm .....	25
6 Electronic Map.....	26
6.1 Electronic map maintenance .....	26
6.2 Electronic Map Browser .....	30
7. Event Schedule.....	32
7.1 Schedule Setup.....	32
7.2 Event Server.....	35
7.3 Event Trigger .....	37
8. Device Status .....	39
9. System Maintenance .....	40
9.1 Account Management .....	40
9.2 Address Book .....	41
9.3 System Setup.....	43
10. Video Playback .....	46
11. Report Log .....	49
11.1 System use log .....	49
11.2 Video Playback Log .....	50
11.3 Account Change Log.....	51

# 1. System Installation

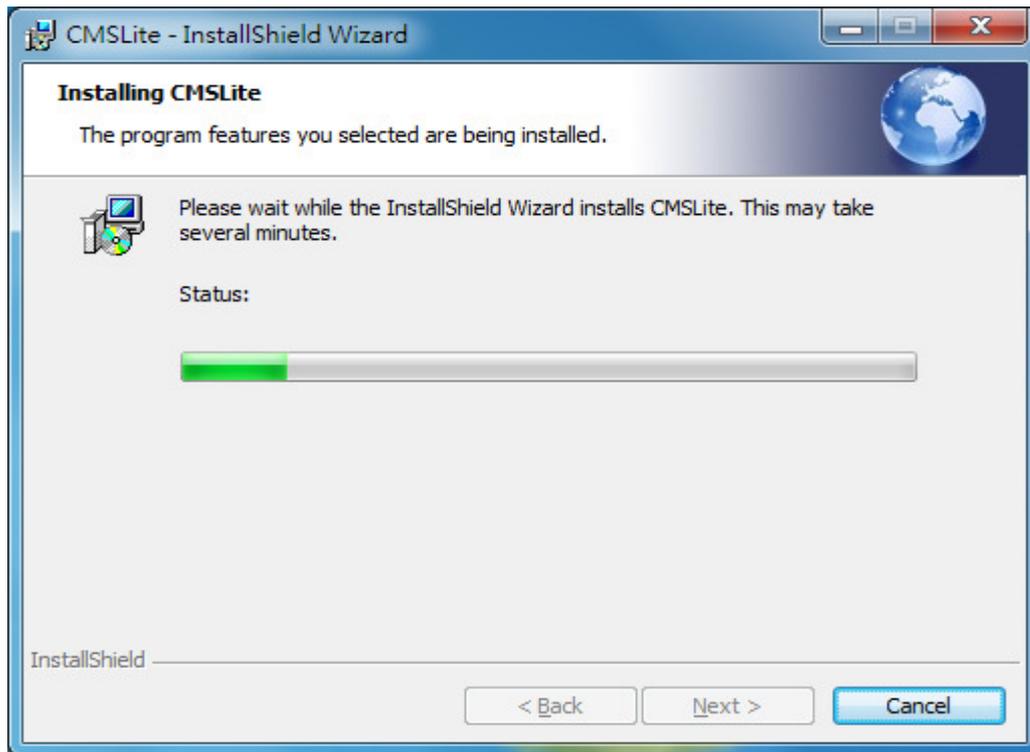
Perform CMSLite installation: setup.exe



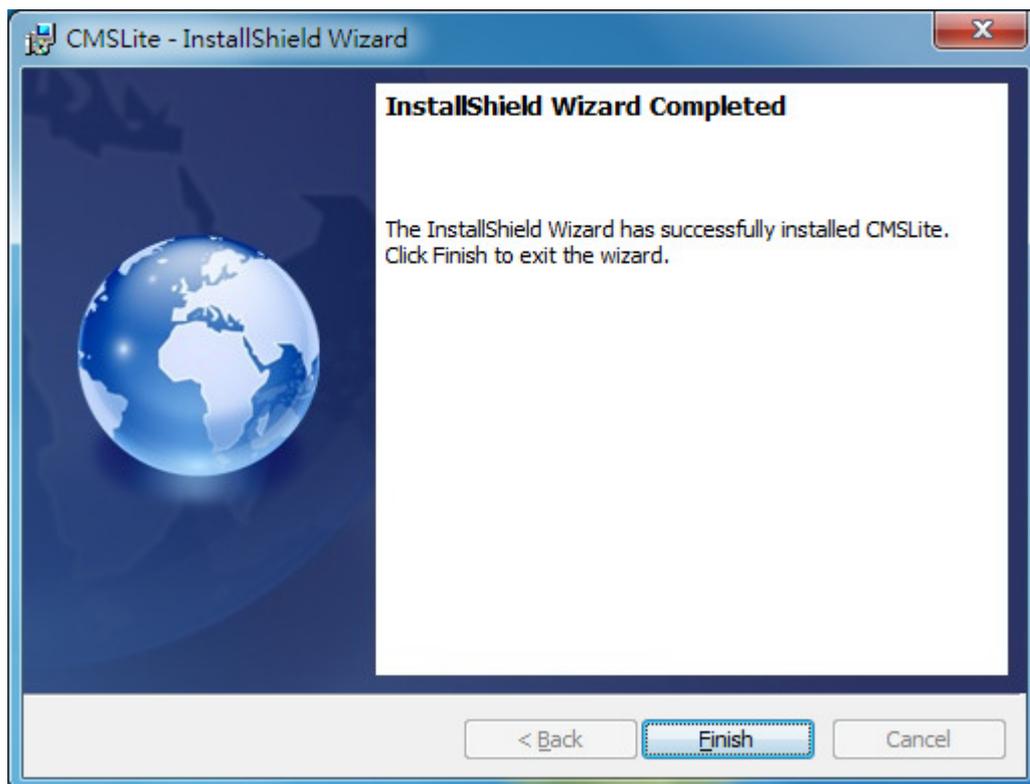
Click Next



Click Install



Installation steps:



Press Finish to complete system installation. After completing installation, there will be a hyperlink CMSLite produced on desktop.



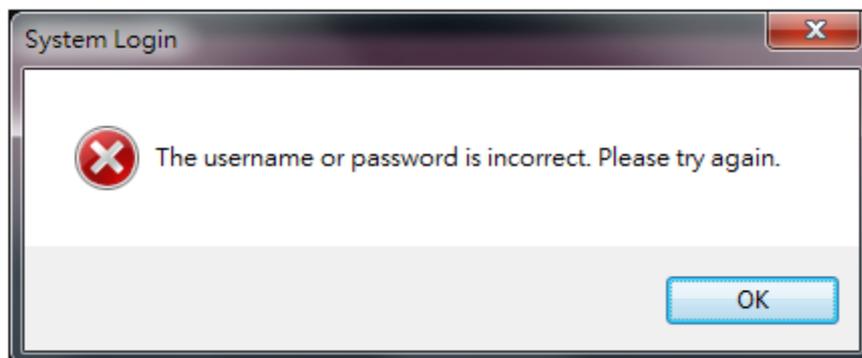


## 2. Execute CMSLite

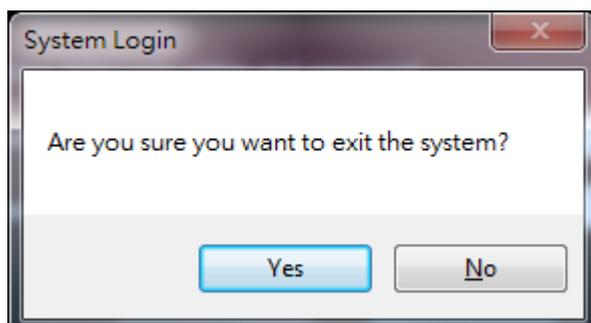
Click desktop link to execute CMSLite.



Enter valid account and password (the default account is “admin” and the default password is “admin”, too.). Click OK button to enter main menu. In case of wrong information entered, there will a notice shown.



Click Exit button to complete the system.



**\*Note: The minimum screen resolution supported by CMS system is 1024\*768.**

### 3. Main Menu



: Capable to check the current camera device list and group list (tree structure). Click the arrow to pop up or scale the whole list.



Device maintenance: To create new area, location, device sating, group setup.



View video: classified into device view and group view; or directly click camera page or group page at top left; click the desired real time video to be viewed.



Electronic map: Electronic map maintenance, electronic map browser.



Schedule maintenance: Schedule setup, event server, event trigger setup



Device status: Check current status of all device



System maintenance: Account management, address book and system

maintenance (System setup, language and database maintenance)



Video playback: Open video playback window for remote video playback or video file download



Report log: Provide system use log, video playback log, account abnormal change log for query and output

PTZ operating panel and preset point operation and setup are valid only in one split window.

In case that it does not support model PTZ, no response will be achieved if to click some functional buttons.



Eight directional PT operations



To set 1-8 preset points; or directly go to the preset point



Lens Zoom in or Zoom Out



IRIS On or Off



Set PTZ speed



Perform patrol function (Preset camera patrol mode is required for some doles to use this function.)



Perform scan function



Stop patrol or scan



In case that all statuses are normal with the device, the figure does not flash.



In case of abnormality of the device, the figure flashes; it is a triggered response in case of setup for abnormality of the device, and it perfumes this action. In

case of couples of camera abnormal at the same time, all triggered actions will be performed in turn. One abnormal camera will trigger once triggered action except for new abnormal state.

Directly click the flashing figure to browse the abnormal devices



To browse the real time video, select split 1, split 4 split 9, split 16 and full screen (press ESC button to exit full screen). If the camera is over one page, there will be a button for page-next or page-previous on right bottom part, or select automat scan. When browsing video in spilt 1 window, snapshot, audio listen and talking function are valid for option.



Click to select minimum, logout or exit from the system

## 4. Device maintenance

Including four functions: area setup, location setup, device maintenance, and group setup. Click the page with items to be maintained on for information setup and maintenance.

The screenshot shows a web interface with a top navigation bar containing 'Area', 'Location', 'Device', and 'Group'. The main content area is divided into two panels: 'Area List' on the left and 'Area Setting' on the right. The 'Area List' panel contains a table with a single header row labeled 'Name' and is currently empty. Below the table are 'Remove' and 'Add' buttons. The 'Area Setting' panel contains a label 'Area Name:' followed by an empty text input field. A 'Save' button is located at the bottom right of the 'Area Setting' panel.

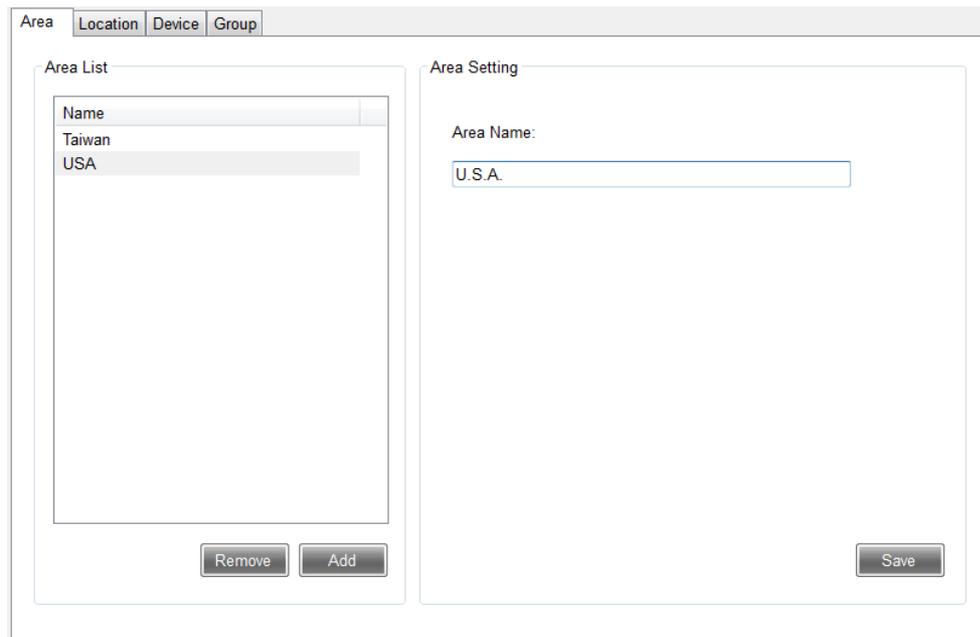
## 4.1 Area Setup

Administrators can add/modify/remove area data at will.

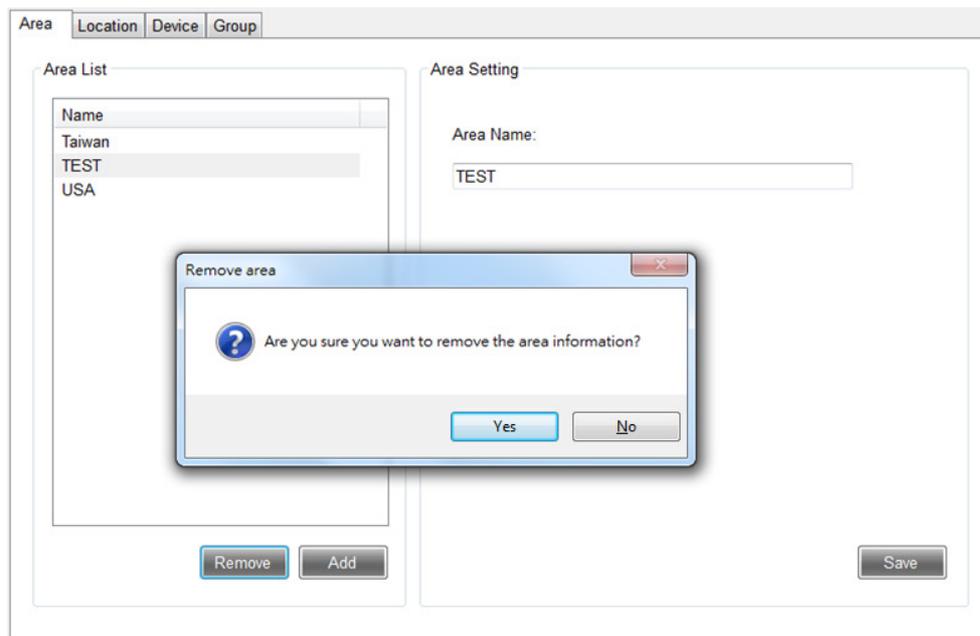
- Add: Press Add button. It will be OK to click Save button just after entering area name.

This screenshot is identical to the one above, but the 'Area Name' input field in the 'Area Setting' panel now contains the text 'Taiwan'. The 'Add' button in the 'Area List' panel is highlighted with a blue border, indicating it is the active element.

- Modify: Slide the mouse to click one area name to be changed from area list; enter the correct name and press Save button to complete modification.



- Remove: After sliding the mouse to click one area name to be changed from area list, it will OK just to press Remove button. In case of location data existing in this location, “remove” is prohibited.



## 4.2 Location Setup

Administrators can add/modify/remove location data at will.

- Add: Press Add button; after selecting data (Other data are for reference only, they are not required for input.) of area located and entering location name, it will be OK just to click Save button.

The screenshot shows the 'Location Setup' interface with the 'Location' tab selected. The 'Location List' table is empty. The 'Location Setting' form is filled with the following data:

Area Name	Location Name
Taiwan	Taipei

Buttons: Remove, Add, Save

- Modify: Slide the mouse to click the area name to be changed from location list; enter the correct name and press Save button to complete modification.

The screenshot shows the 'Location Setup' interface with the 'Location' tab selected. The 'Location List' table contains the following data:

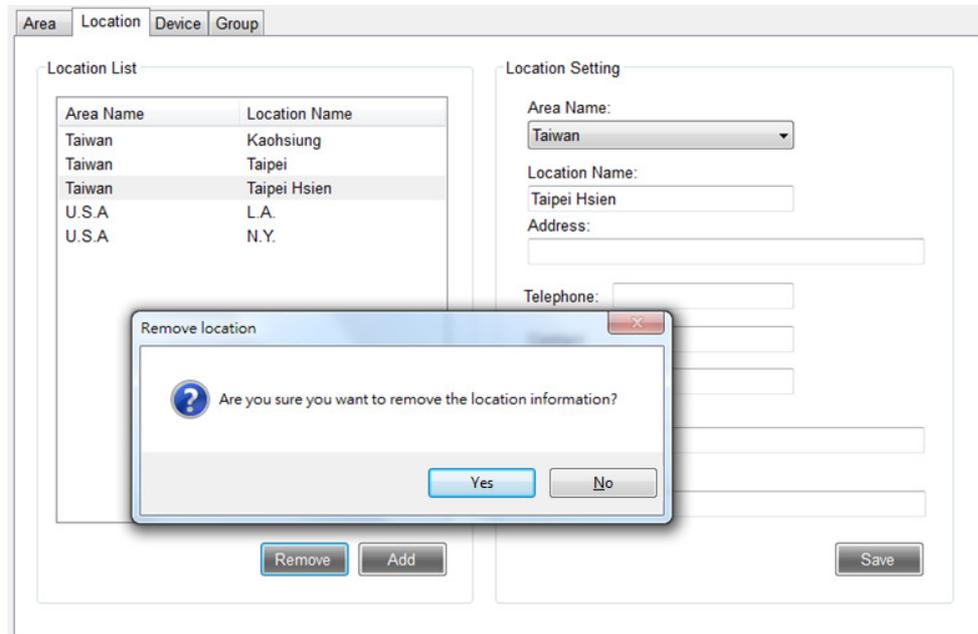
Area Name	Location Name
Taiwan	Kaohsiung
Taiwan	Taipei
U.S.A	L.A.
U.S.A	NY

The 'Location Setting' form is filled with the following data:

Area Name	Location Name
U.S.A	N.Y.

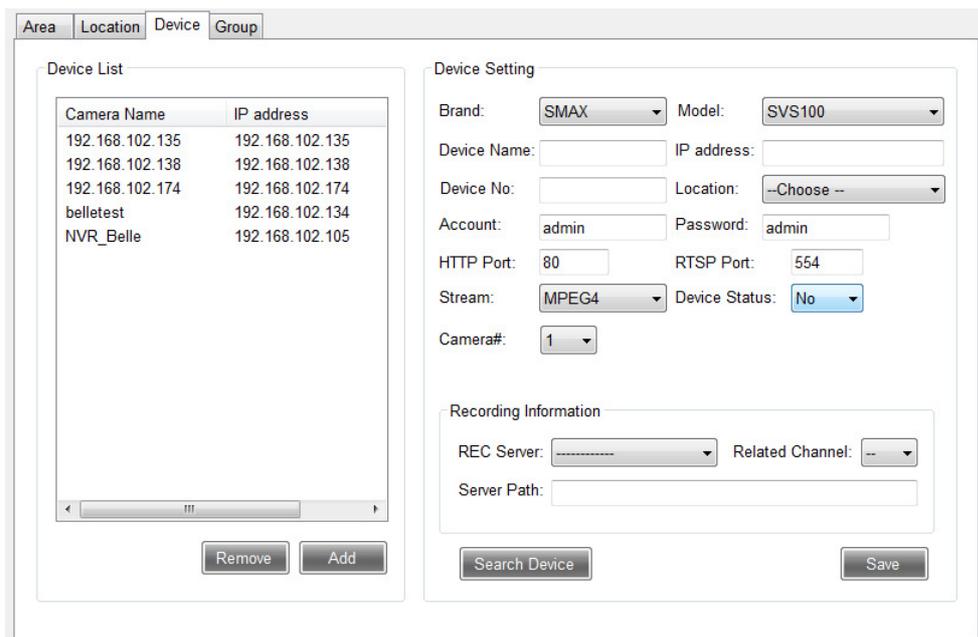
Buttons: Remove, Add, Save

- Remove: After sliding the mouse to click one location to be changed from location list, it will OK just to press Remove button. In case of location data existing in this location, “remove” is prohibited.



**4.3 Camera device setup:** The devices include IP Camera, Video Server and NVR. Administrators can add/modify/remove data of the devices at will. Cameras of each device differ from each other. Quantity of cameras allowed to be input to system differs from each other due to different versions.

- Add



- Select brand and model (Pop up to select brand of camera. In case of wrong selection, camera can not be correctly shown.)

- Enter device name (Caption displayed on real time camera or icon shown on figure)
- Enter IP address (Directly enter IP or Domain name)
- Enter device number and location (not required)
- Enter device's account and password (the default is admin/admin). In case of wrong account and password entered, there is no way to determine if the device is currently and correctly being linked. .
- Enter Http port and RTSP port (the default is 80/554). In case of wrong Http port entered, camera can not be normally displayed.
- Select streaming type (Different branded model device support different streaming.). In case of wrong information entered, camera can not be normally displayed.
- Select if to capture device connecting status, select if to determine the device is currently connecting
- Camera quantity (The system will automatically make judgment based on brand and model selected.)
- Recording information: If no video to be filled in, if there is video capable to be classified as two types: NVM:ExpressView and NVR:SNVR400
  - ◆ If to select ExpressView, it is required to enter channel number for the camera of this IP to be saved in and IP address for ExpressView of the installed machine (If to install the two sets together, it is to enter http://127.0.0.1:8080).

Recording Information

REC Server:  Related Channel:

Server Path:

*\*To use this function, it is required to install PBWebserver. Please refer to appendix.*

- ◆ If to select NVR:SNVR400, it is to enter channel number of NVR400 for this IP device and IP address of NVR400 to be saved (e.g. <http://192.168.102.105>).

Recording Information

REC Server:  Related Channel:

Server Path:

- ◆ If the brand and model selected are NVR400, the video information will be hidden.

- Device search: If to press search device button, the system will list out all devices searched in the current area.
  - ◆ In the searched list, double click with the mouse to select the device to be added, it will be filled information of machine model, device name, IP address and Http port in to the related field.
  - ◆ In case of fail to find the desired information, you press search button again or back to page for added data.

The screenshot shows a software interface with a top navigation bar containing 'Area', 'Location', 'Device', and 'Group'. Below this, there are two main panels:

- Device List:** Contains two input fields, 'Camera Name' and 'IP address'. Below these fields are two buttons: 'Remove' and 'Add'.
- Search Device List:** Contains a table with the following data:
 

Model	Device Name	IP address	Port
NVR400	NVR-KY	192.168.102.172	81
NVR400	NVR_Belle	192.168.102.105	80
NVR500	NVR	192.168.102.119	80
NVR400	NVR	192.168.102.171	80
SVS100	belletest	192.168.102.134	80
SIB7000	SIB7000	192.168.1.99	80

 Below the table are three buttons: 'Add Device', 'Search Device', and 'Back'.

- **Modify:** Slide the mouse to click one device name to be changed from camera device list; after making modification in field to be changed, press Save button to complete modification. The operation modes of each field are the same as the added action.
- **Remove:** Slide the mouse to click one camera device name to be changed from camera device list. It will be OK just to press Remove button. While removing the camera, all the other related setups are also removed (Remove from group and electronic map).

Area Location Device Group

Device List

Camera Name	IP address
192.168.102.135	192.168.102.135
192.168.102.138	192.168.102.138
192.168.102.174	192.168.102.174
belletest	192.168.102.134
NVR_Belle	192.168.102.105

Device Setting

Brand: SMAX Model: SVS100

Device Name: belletest IP address: 192.168.102.134

Device No: Location: --Choose --

Account: admin Password: admin

HTTP Port: 80 RTSP Port: 554

Stream: H.264 Device Status: Yes

Related Channel: --

Remove Add Search Device Save

Remove camera

Are you sure you want to remove the camera information?

Yes(Y) No(N)

## 4.4 Group Setup

Administrators can add/modify/remove group data of the camera devices at will. Group setup is convenient for video management and view.

- Add: Press Add button; after entering group name and clicking camera located, it will OK just to press Save button.

The screenshot shows the 'Group Setup' window with the 'Group' tab selected. On the left, the 'Group List' contains 'GP1' and 'GP2'. On the right, the 'Group Setting' shows 'Group Name: GP3' and a table of camera devices. The table has columns for 'Camera Name', 'IP address', and 'Port'. The row for 'NVR\_Belle-CH3' is highlighted in blue.

Camera Name	IP address	Port
<input checked="" type="checkbox"/> 192.168.102.135	192.168.102.135	80
<input checked="" type="checkbox"/> 192.168.102.138	192.168.102.138	80
<input checked="" type="checkbox"/> 192.168.102.174	192.168.102.174	80
<input type="checkbox"/> NVR_Belle-CH1	192.168.102.105	80
<input type="checkbox"/> NVR_Belle-CH2	192.168.102.105	80
<input checked="" type="checkbox"/> NVR_Belle-CH3	192.168.102.105	80
<input checked="" type="checkbox"/> NVR_Belle-CH4	192.168.102.105	80
<input checked="" type="checkbox"/> belletest	192.168.102.134	80

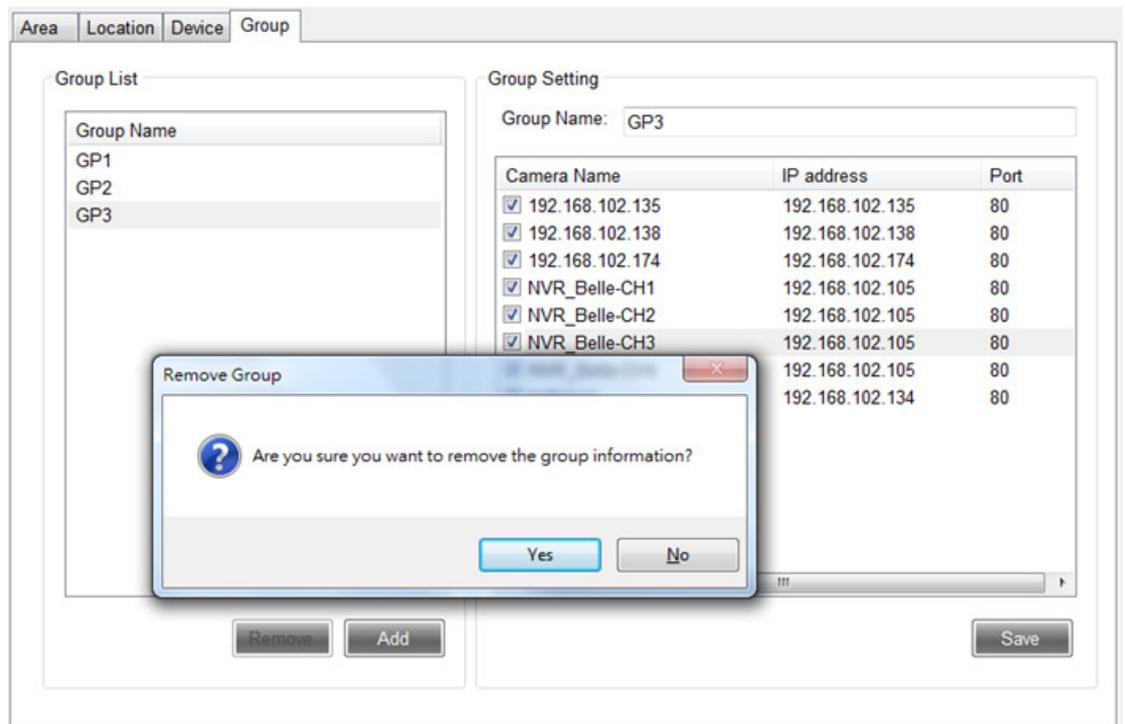
- Modify: Slide the mouse to click one group name to be changed from camera device list; after entering data to be changed, press Save button to complete modification.

The screenshot shows the 'Group Setup' window with the 'Group' tab selected. On the left, the 'Group List' now includes 'GP3'. On the right, the 'Group Setting' shows 'Group Name: GP3' and the same table of camera devices as the previous screenshot. The row for 'NVR\_Belle-CH3' is highlighted in blue.

Camera Name	IP address	Port
<input checked="" type="checkbox"/> 192.168.102.135	192.168.102.135	80
<input checked="" type="checkbox"/> 192.168.102.138	192.168.102.138	80
<input checked="" type="checkbox"/> 192.168.102.174	192.168.102.174	80
<input checked="" type="checkbox"/> NVR_Belle-CH1	192.168.102.105	80
<input checked="" type="checkbox"/> NVR_Belle-CH2	192.168.102.105	80
<input checked="" type="checkbox"/> NVR_Belle-CH3	192.168.102.105	80
<input checked="" type="checkbox"/> NVR_Belle-CH4	192.168.102.105	80
<input checked="" type="checkbox"/> belletest	192.168.102.134	80

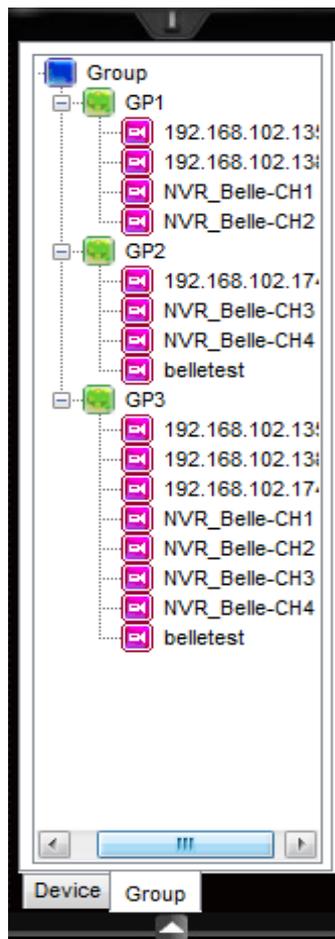
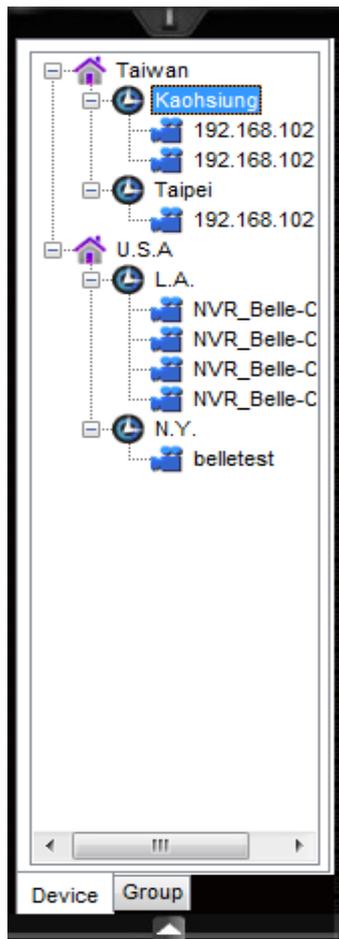
- Remove: Slide the mouse to click one group name to be removed from

group list. It will be OK just to press Remove button. The system will ask you to make sure if to really remove data of this group.



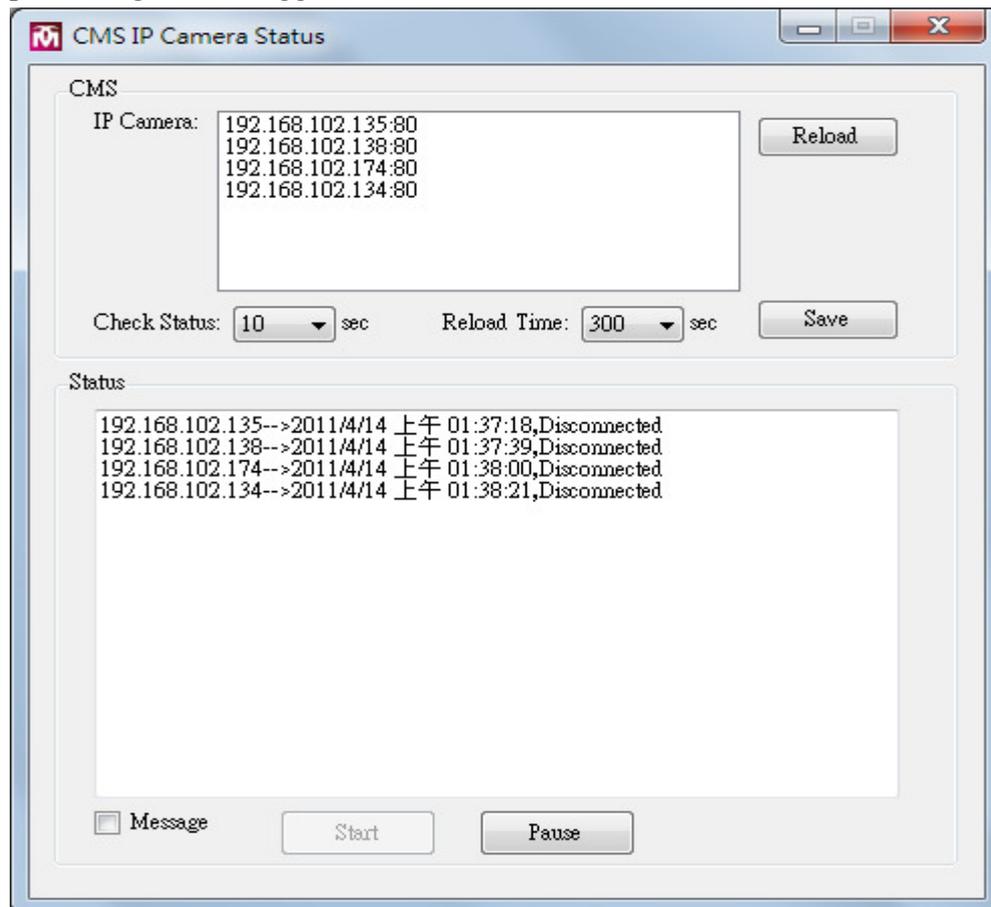
Back to main menu:

After completing setup the related devices, press OK button to return to the main menu. (If not to press OK button, some operations of the main menu are locked and can not be performed.) At this time, the camera device group data at top left corner of the main menu will ails be accordingly changed. (Arrow zoom list can be selected by click.)



## 4.5 Status Collecting Steps

If the status collecting field of the camera device is set to Yes, the system will supervise if the device is normal by CMS IP Camera Status service procedure being performed at background. If abnormality detected, it will notify CMS for processing (Event trigger)



System exiting will automatically close this procedure. If the user closes this program, the user will have no way to collect abnormal status in the future.

# 5. View

Classified into device view (for all camera devices) and group view mode

## 5.1 Device View

Click device view to connect all camera devices. Firstly to display video in split 1 interface. Aiming at demand, functions including 1/4/9/16/full screen/page-next/page-previous/automatic scan, snapshot/audio listen/talking/ PTZ can be performed. If to click to select single camera from tree list of device camera area location at top left corner of the main interface, it is also to directly enter split 1 mode for device view.

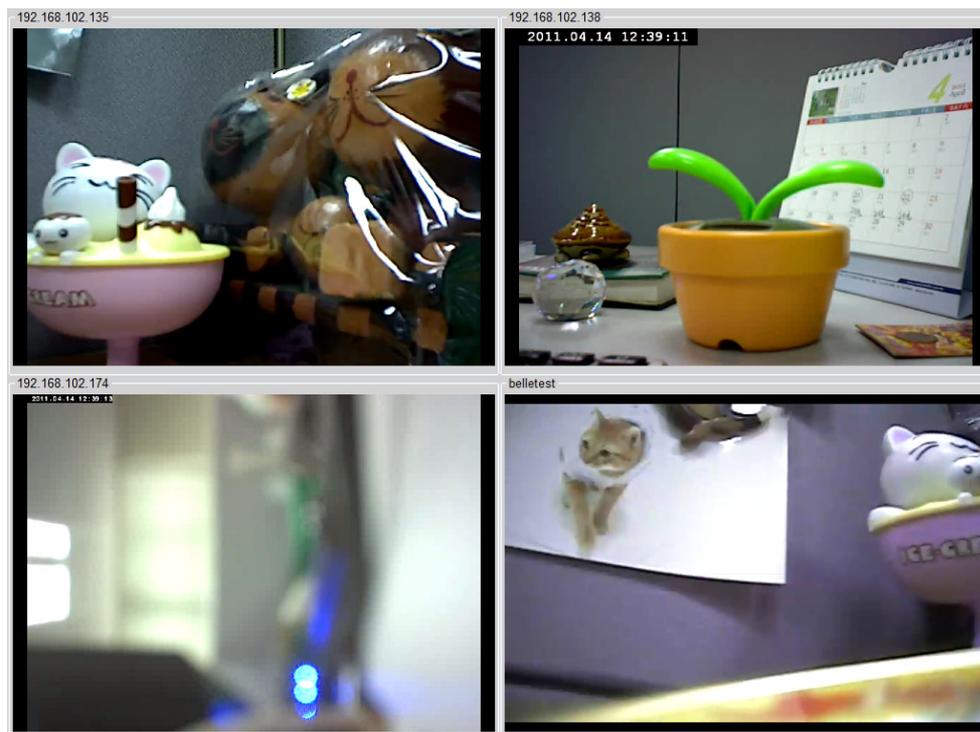


### Real time video

- 1/4/9/16: According to split mode selected, it is to display real time video. If camera quantity is more than quantity of split, page-next and page-previous button will be shown. The current total number of page is shown in the middle.
- Page-next/page-previous n: Switchover of displayed video camera.
- Automatic scan: When split mode displayed exceeds one page, automatic scan can be started. After a certain period of interval of the system (Time in

second for interval can be set in system maintenance.), it will automatically skip to the next page. Press the Automatic Skip button again to delete the action.

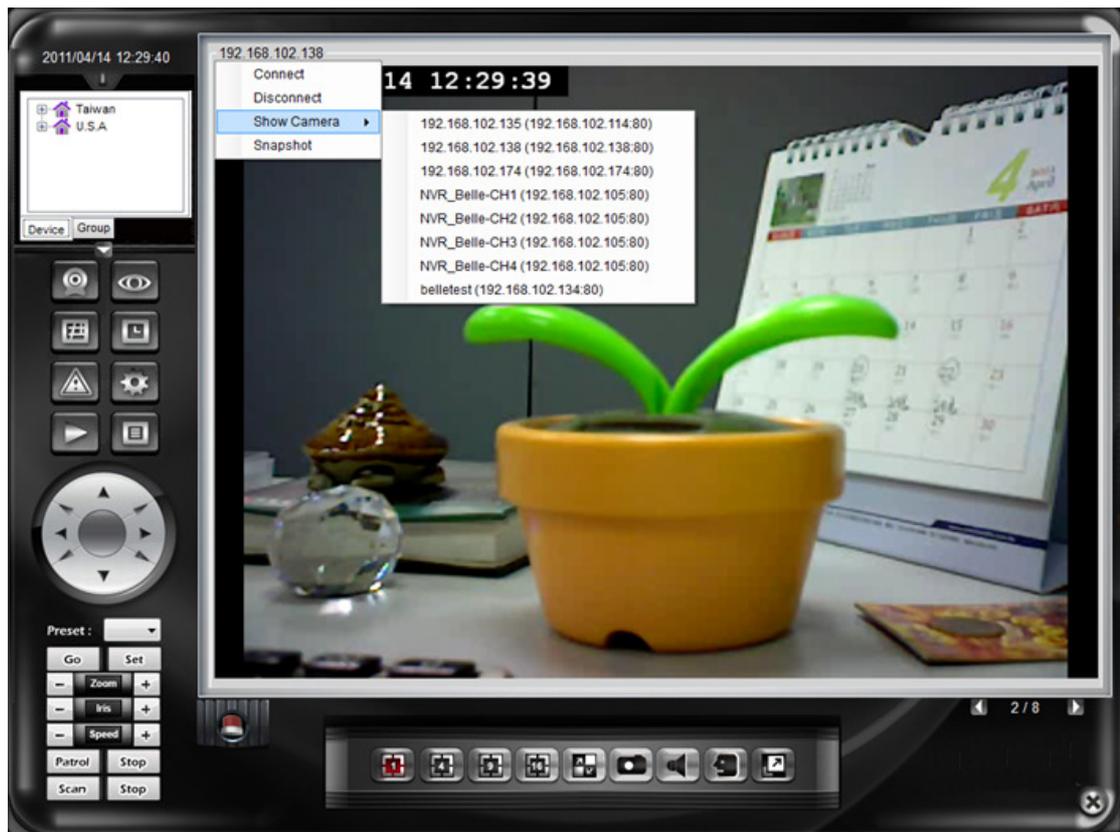
- Audio listen/talking/PTZ: These functions can be performed in spilt 1 mode.
- Full screen: In different spilt modes, if to press Full Screen button, the system will switch over to full screen display mode as shown in the figure for spilt 4 of full screen display. If to remove full screen display, press ESC button to return to the main menu.



- Snapshot: After pressing Snapshot button, the system will take picture for this camera. The camera shot will pop up in the window. If saving the camera required, it is to press Save button to select route or to delete to return to the main menu.



- Right button list: Click right button of the mouse on device name to select to display a list. Click the desired function.
  - ◆ Connect: In case of video interrupted, click Connect to connect with the camera again.
  - ◆ Disconnect: If stop is required, click Disconnect. If displaying camera is required, it is to click Connect.
  - ◆ Camera switchover: If to switch over to another camera displayed, Camera Switchover can be selected for changing camera displayed.
  - ◆ Snapshot: Snapshot at the camera displayed



## 5.2 Group View

Click group view, click one group name from the list; the system will record camera data of this group set. The system will firstly display camera in split 1. And , aiming at demand, the system performs functions like 1/4/9/16/full screen/page-next/page-previous/automatic scan, Snapshot/audio listen/talking /PTZ.

If to click to select a certain group name from the group tree list at top left corner of the main menu, you may also directly enter split 1 mode of group check.

Click to select one group name from group list:



Click group tree list:



The button operating method is the same as device view mode.

## 5.3 Event Alarm

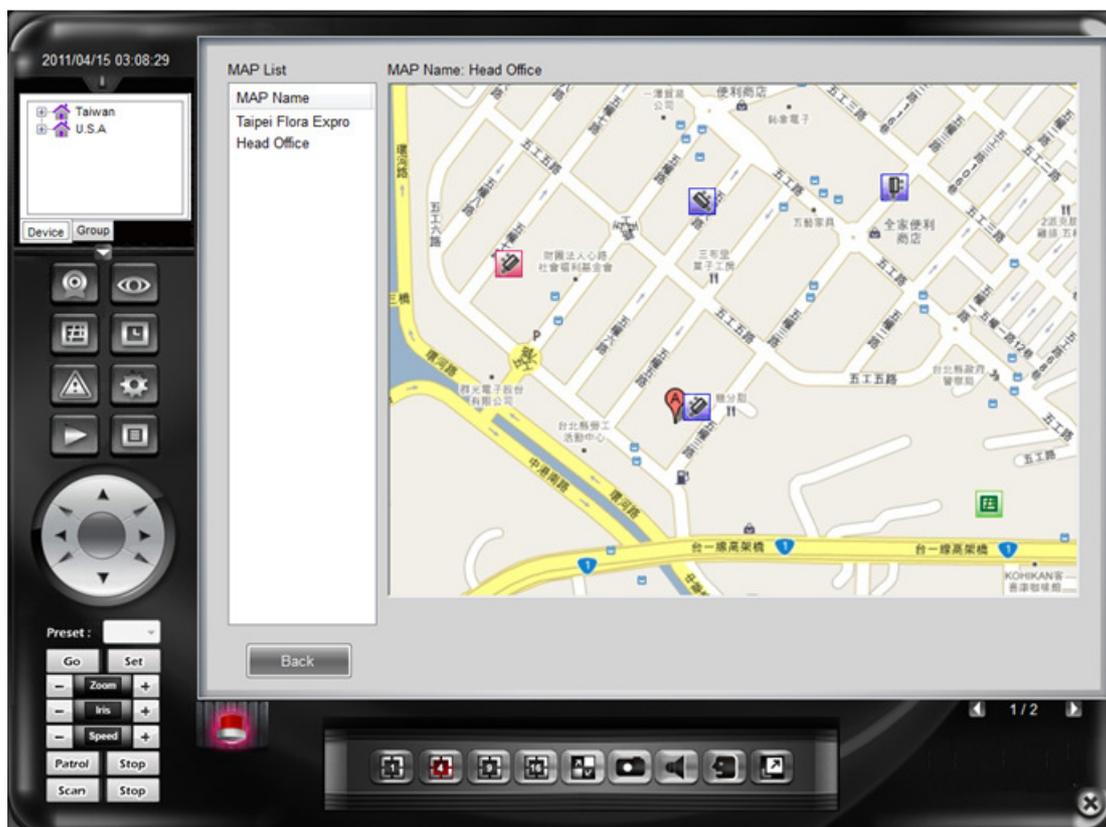
When the system detects abnormality with the device, the icon at bottom of the main menu will start flashing.

- Click event alarm icon to view location of abnormality with the device.

X	ID	Device Name	Connect	Record	Motion	DI	Event Date
	1	belletest	Disconnect				2011/4/14 上午 12:39:53
	2	192.168.102.174	Disconnect				2011/4/14 上午 12:39:32
	3	192.168.102.138	Disconnect				2011/4/14 上午 12:39:11
	4	192.168.102.135	Disconnect				2011/4/14 上午 12:38:50

Press X button at left bottom to return hide event alarm list, return to the main menu.

- Event trigger: In case of abnormal camera with set event trigger, and the time the event occurs is within the range of the action, trigger will be performed.
  - Send e-mail
  - Play audio
  - Pop up electronic map: The reporting device on the electronic map will flash.



# 6 Electronic Map

Including functions of electronic map maintenance and electronic map browser

## 6.1 Electronic map maintenance

Administrators can add/modify/remove electronic map data at will.

- Add: Press Add button; after selecting one map file (the uploaded file types are BMP/JPG/GIF/PNG), you can find map file in the preview area at this time. Click Save button to complete adding to the electronic map.

The screenshot displays a web interface for managing Electronic Map (EMAP) data. It is divided into two main sections: 'MAP List' and 'EMAP Setting'.

**MAP List:** A table with two columns: 'EMAP Name' and 'Image'. It contains two entries:

EMAP Name	Image
1111	C:\Users\Public\Pictures\Sample Pictures\Desert.jpg
2222	C:\Users\Public\Pictures\Sample Pictures\Lighthouse.jpg

To the right of the table are two buttons: 'Add' and 'Remove'.

**EMAP Setting:** This section contains a form for adding a new map. It includes:

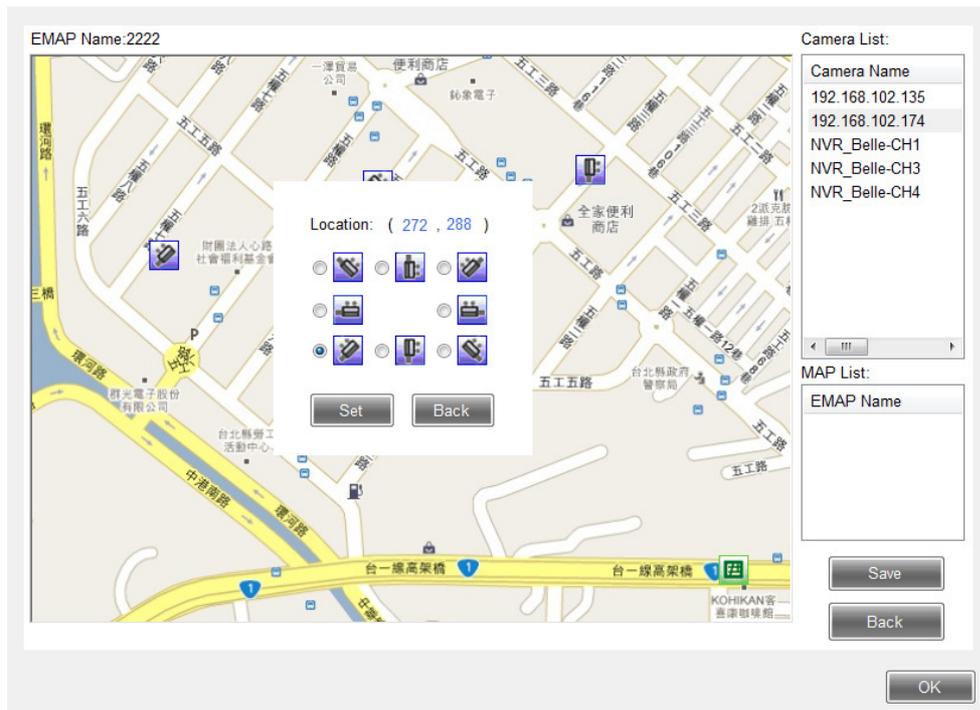
- 'EMAP Name:': A text input field.
- 'Image File:': A text input field with a 'Browse' button next to it.
- 'Preview': A large empty rectangular area for displaying the selected image.
- 'Save': A button at the bottom left of the form.

An 'OK' button is located at the bottom right of the entire interface.

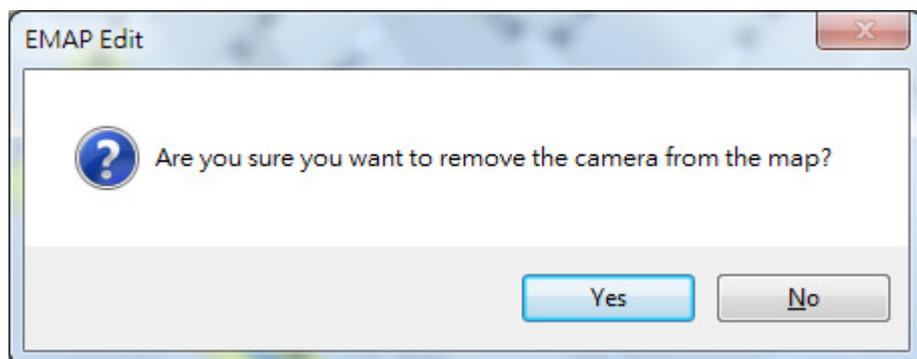
After completing adding, editing camera location button will be shown.

Click it to enter camera location editing.

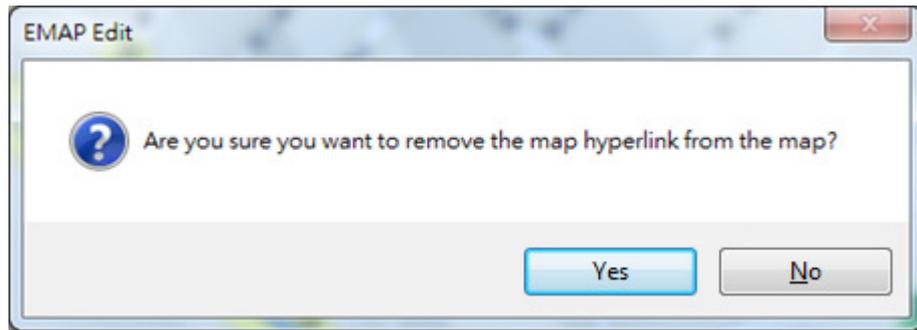
- Add camera to map: Select one camera from camera list to be placed into the map, slide the mouse to this E-MAP to find the location to be placed in, and then press the mouse to pop up a window for selecting camera direction. After selecting direction, it is press setup to complete camera location editing.



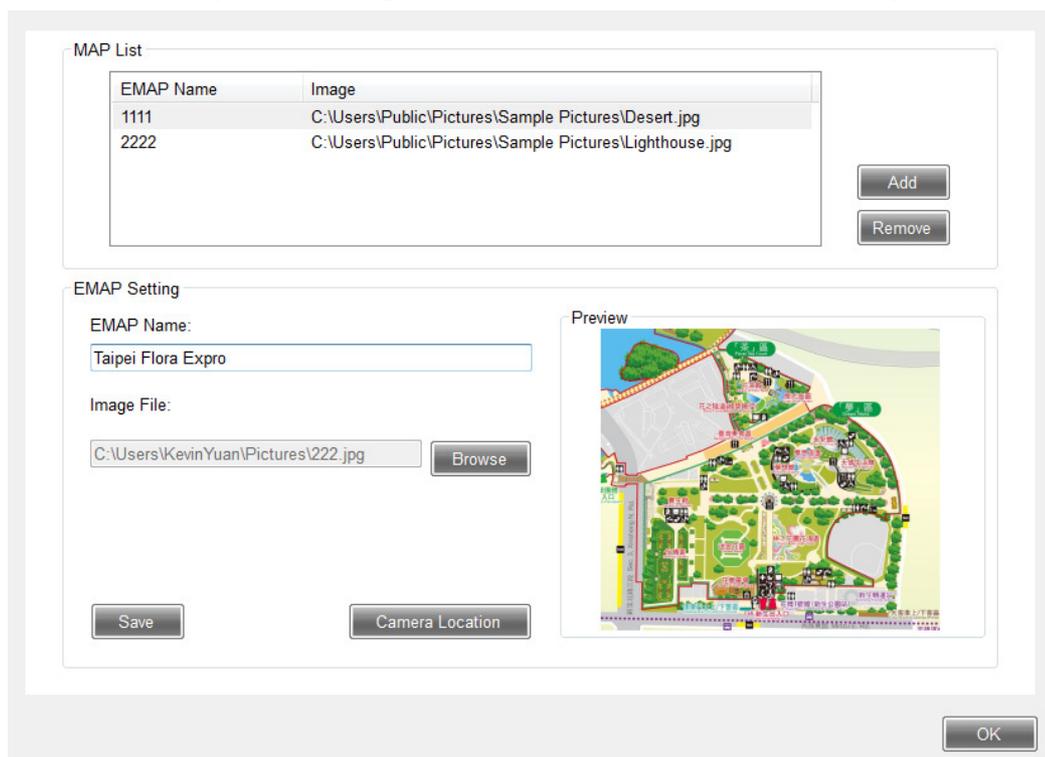
- Remove camera from map: find the camera in the map to remove, click right button of the mouse. The system will pop up a dialogue box to ask you to make sure if to remove it. In case Yes (Y) replied, it will be removed.



- Added to map link: Electronic maps can be linked together. After selecting the electronic map to be linked, move the mouse to map area to find the location to be placed in. Then, click the mouse to complete electronic map location editing.
- Remove map link from the map: Find map link in the map, click right button of the mouse. The system will pop up a dialog box to ask you to make sure if to remove it. In case of Yes (Y) replied, it will be removed.



- Save: After completing editing, press Save button to complete setup. Return to map list.
- Back: If no any changes made, you may click Back button to return to electronic map maintenance.
- Modify: Click one electronic map name in the electronic map list desired to change; after entering data to be changed, press Save button to complete modification. If to change camera location or electronic map link, you may also directly click editing camera location button to enter editing.



- Remove: Click one electronic map name in the electronic map list to be removed; it will be OK just to press Remove button. The system will ask you to make sure if really to remove data of the electronic map.

MAP List

EMAP Name	Image
Taipei Flora Expro	C:\Users\KevinYuan\Pictures\222.jpg
2222	C:\Users\KevinYuan\Pictures\Map640_480.jpg

Add  
Remove

EMAP Setting

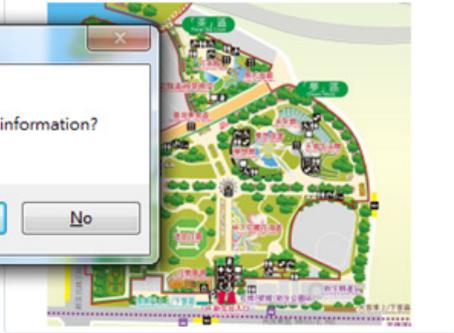
EMAP Name:

Taipei F

Image F

C:\User

Preview



Remove eMap

Are you sure you want to remove the eMap information?

Yes No

Save

Camera Location

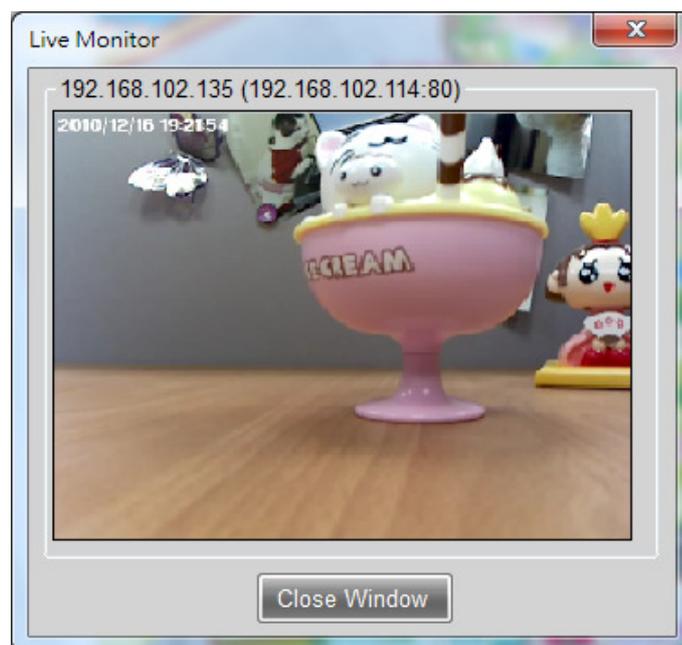
OK

## 6.2 Electronic Map Browser

After clicking the main menu, you can select one electronic map to browse.



- Map list: List out electronic map for users to operate. Click any electronic map to show this map and camera location linking with the map.
- Click any camera icon to browse real time video of the camera (pop up the window); click map link to switch over to another electronic map.



- Close map: Return to browse real time video of the main menu



# 7. Event Schedule

Including the functions of schedule setup, event server setup and event trigger; click the page with items to be maintained on to set and maintain data.

## 7.1 Schedule Setup

Administrators can add/modify/remove schedule setup data at will.

- Add: Press Add button; after entering schedule name, select period of time (half hour is one period); and finally click Save button to complete adding. Click setup of each period of time with the mouse (Press Setup for once, and press it again to remove it.), or click day of the week to set a whole day of this week (Press it again to remove it.), or press to select all for setup all time or remove all not selected.

Schedule List

Schedule Title	Sun	Mon	Tue	Wed	Thu	Fri	Sat
S1	V	V		V		V	V
S2	V	V	V	V	V	V	V

Weekly Schedule

Schedule Title: S3

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Sun	<input type="checkbox"/>																								
Mon	<input type="checkbox"/>																								
Tue	<input type="checkbox"/>																								
Wed	<input type="checkbox"/>																								
Thu	<input type="checkbox"/>																								
Fri	<input type="checkbox"/>																								
Sat	<input type="checkbox"/>																								

\* One checkbox means recording for 30 minutes.  
\* For example: 00:01 ~ 00:30, 00:31 ~ 01:00

Click day of the week to set a whole day of this week (Press it again to remove it.), or press to select all for setup all time or remove all not selected.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Sun	<input checked="" type="checkbox"/>																								
Mon	<input type="checkbox"/>																								
Tue	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>												
Wed	<input type="checkbox"/>																								
Thu	<input checked="" type="checkbox"/>																								
Fri	<input type="checkbox"/>																								
Sat	<input checked="" type="checkbox"/>																								

- **Modify:** Click one schedule name from the schedule list to be changed; enter a correct name and period of time to be modified, and finally press Save button to complete modification.

Schedule
Event Server
Event Trigger

Schedule List

Schedule Title	Sun	Mon	Tue	Wed	Thu	Fri	Sat
S1	V	V		V		V	V
S2	V	V	V	V	V	V	V
S3	V		V		V		V

Add
Remove

Weekly Schedule

Schedule Title:  
Select All
Delete All

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Sun	<input checked="" type="checkbox"/>																								
Mon	<input type="checkbox"/>																								
Tue	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>												
Wed	<input type="checkbox"/>																								
Thu	<input checked="" type="checkbox"/>																								
Fri	<input type="checkbox"/>																								
Sat	<input checked="" type="checkbox"/>																								

\* One checkbox means recording for 30 minutes.  
 \* For example: 00:01 ~ 00:30, 00:31 ~ 01:00

Save

OK

- **Remove:** Click one schedule name in the schedule list to be changed; it will be OK just to press Remove button. If there is still set trigger data in the schedule, there will be a warning note shown, and “remove” is prohibited.

Schedule | Event Server | Event Trigger

Schedule List

Schedule Title	Sun	Mon	Tue	Wed	Thu	Fri	Sat
S1	V	V		V		V	V
S2	V	V	V	V	V	V	V
S3	V		V		V		V
S4	V	V	V	V	V	V	V

Add  
Remove

Weekly Schedule

Schedule Title

0 1 16 17 18 19 20 21 22 23 24

Sun  
Mon  
Tue  
Wed  
Thu  
Fri  
Sat

Select All Delete All

Remove Schedule

Are you sure you want to remove this schedule?

Yes No

\* One checkbox means recording for 30 minutes.  
\* For example: 00:01 ~ 00:30, 00:31 ~ 01:00

Save

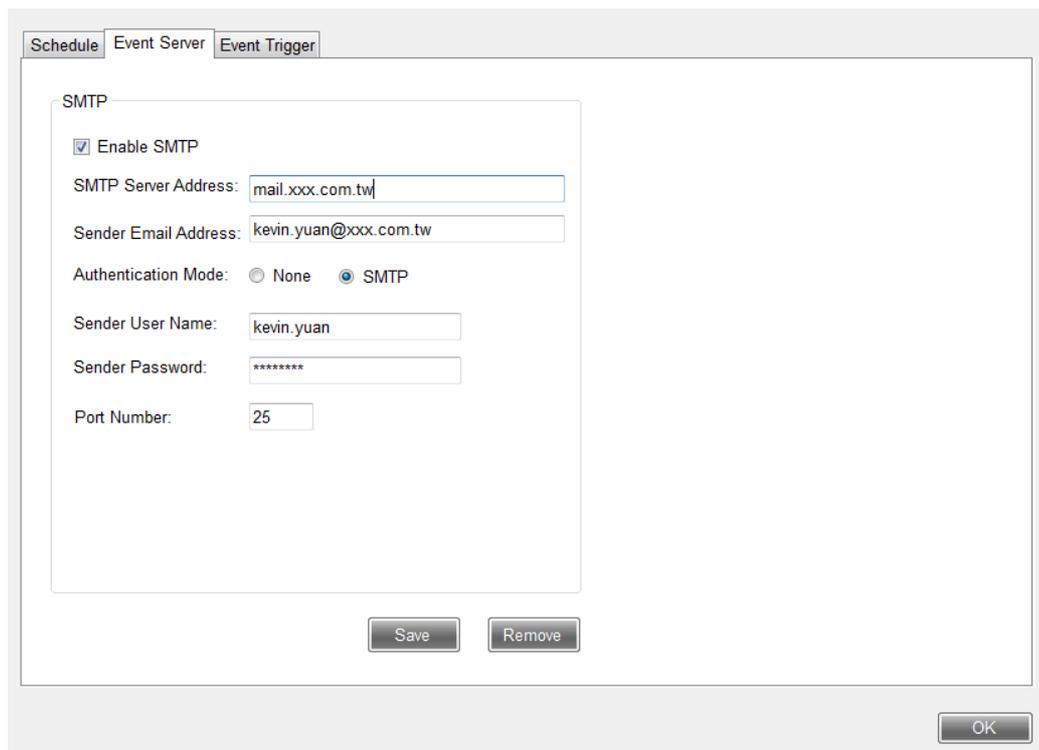
OK

## 7.2 Event Server

Administrators can add/modify/remove event server setup data at will.

### SMTP server

- Enable SMTP: With setup to enable SMTP; only with setup for event trigger, message can be normally sent.
- SMTP main unit location;
- Sender: E-mail from sender to send trigger event notice;
- Authentication information: If authentication is required for SMTP, please enter account/password of the sender;
- SMTP port: The preset is 25; if SMTP server port and port event are with preset value, they can be changed to correct data.



The screenshot shows a configuration window with three tabs: "Schedule", "Event Server", and "Event Trigger". The "Event Server" tab is active. Inside the window, there is a section titled "SMTP" with the following fields and options:

- Enable SMTP
- SMTP Server Address:
- Sender Email Address:
- Authentication Mode:  None  SMTP
- Sender User Name:
- Sender Password:
- Port Number:

At the bottom of the window, there are "Save" and "Remove" buttons. An "OK" button is located at the bottom right of the entire window.

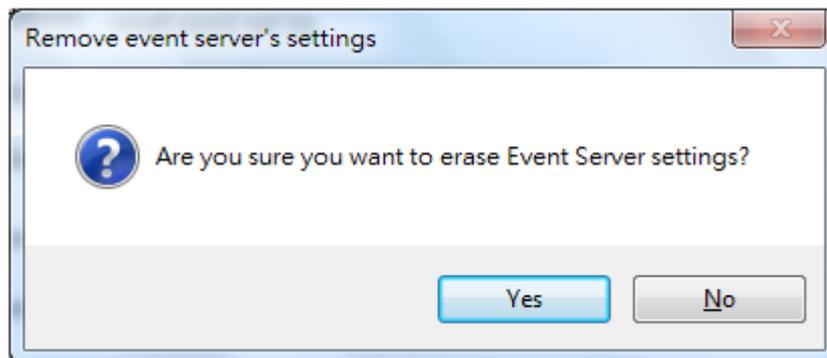
### FTP server:

- Enable FTP: With setup to enable FTP; only with setup for event trigger, log file can be sent to the ftp server.
- Host address: FTP server address
- FTP port: The preset is 21; if FTP server port and port event are with preset value, they can be changed to correct data.
- Authentication information: If authentication is required for FTP, please enter user name /password.

Test: User can test SMTP or FTP setting is correct or not.

Save: Click Save button to complete adding.

Remove: To erase the event server setup, you may click Remove button. The system will ask you to confirm. If to click (Y), the setups of the event server will be erased.



## 7.3 Event Trigger

Aiming at each camera, administrator can add/modify/remove event trigger setup data at will.

In case of abnormal event happened, disposal action to be triggered can be selected. Setup for each camera to be triggered is required. Firstly select the camera to be set from the camera list. If it was set ready, there would be trigger action set before displayed in the right field.

Name	IP address
192.168.102.135	192.168.102.135
192.168.102.138	192.168.102.138
192.168.102.174	192.168.102.174
belletest	192.168.102.174
NVR_Belle	192.168.102.174

Trigger Setting

Trigger Schedule: S1

SMTP

Name	Email
<input checked="" type="checkbox"/> belle	belle.chen@xxx.com.tw
<input checked="" type="checkbox"/> kevin30	kevin30@ms16.hinet.net

Subject: IP Camera Event Notify

Message: Camera was disconnected!

Play Sound C:\Program Files\CMSLite\alarm.wa

eMap Popup 2222

Setup event trigger can be based on the schedule. If time is beyond the schedule, and an abnormal event happens, no trigger action will be performed.

- Camera list: Select the camera device to be set
- Event schedule: Select one schedule being performed
- FTP: If to send log file to FTP when event happens, please select FTP
- SMTP: If to send notice when event happens, please select SMTP and click e-mail information in the address book. Message subject and text to be sent can be set.
- Play audio: If to send audio when event happens, you may click browser button to select one sound level (\*.wav). You may press test button to check

if normal play can be performed.

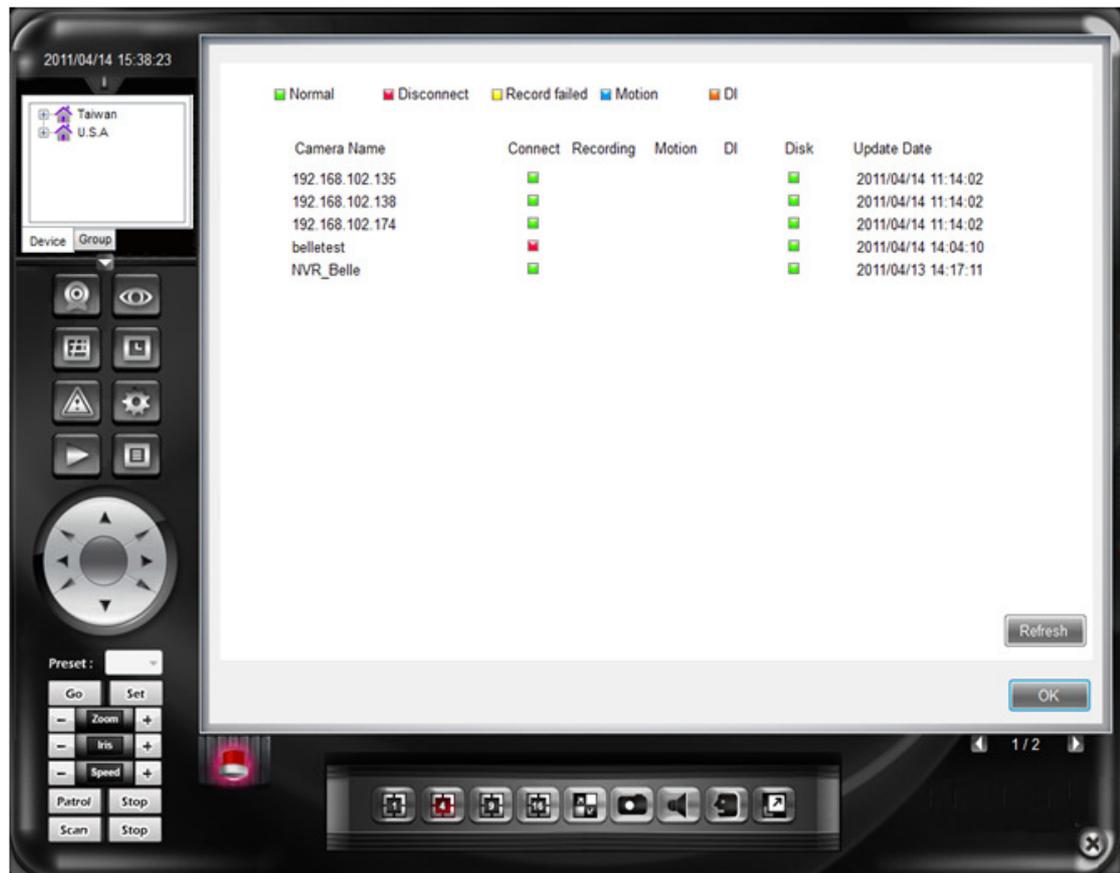
- **Electronic map:** If to interlink with the electronic map when event happens, select one electronic map with this camera. When event happens, the main menu will switch over to this electronic map. Meanwhile, the icon of this camera will turn red and flash.

It will be OK to press Save button after completion of setup.

To delete event trigger action of a certain camera, click Remove button for deletion.

## 8. Device Status

In the main menu, click Device Status button to check status of all camera devices.



Status is indicated by different colors:

- Green: Normal
- Red: Interrupted
- Yellow: Recording fail
- Blue: Video dynamic detection
- Orange: DI trigger
- Time of event happened

In this menu system, there will not keep updating. If updating camera device status is required, click the Refresh button.

Press OK button to return to the main menu.

# 9. System Maintenance

Including the functions of account management, address book setup, system setup and password change (Common user account login), click the page with item to be maintained on for data setup and maintaining.

## 9.1 Account Management

Administrator can change password of administrator, and add/modify/remove user's account data.

### **Change administrator password**

To change administrator's password, it is required to firstly enter current password and new password, and then press Change button to complete change. In case of wrong data, change fail will be caused and a warning notice will be popped up.

### **User Account**

- Add: Press Add button; after entering user account, it will be OK to click Save button.
  - Enter user account, user name and password; same user account is prohibited.
  - User group: Classified into general user and advanced user. Different group can access to different functions of the system.
  - Camera device use right: It is set camera devices for users after login of the system.

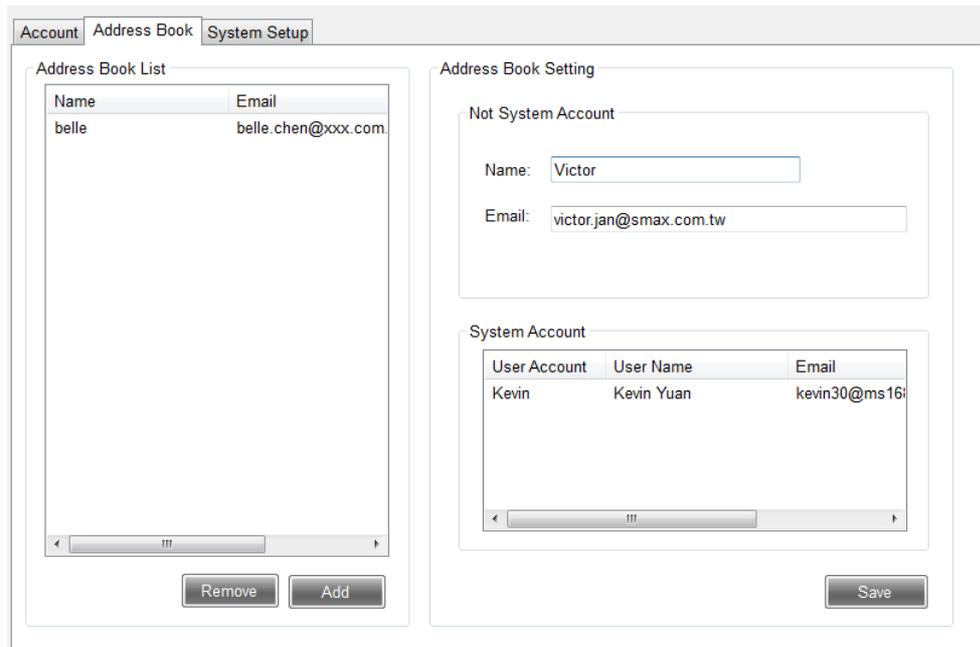
The screenshot shows a web-based interface for account management. At the top, there are three tabs: 'Account', 'Address Book', and 'System Setup'. Below the tabs, there is a section for 'Administrator Password' with three input fields: 'Current password:', 'New password:', and 'Retype password:', followed by a 'Change' button. The main area is divided into two panels. The left panel, titled 'Account List', contains a table with columns 'User Account', 'User Name', and 'Email'. Below the table are 'Remove' and 'Add' buttons. The right panel, titled 'Account Setting', contains several input fields: 'User Account:' (Kevin), 'User Name:' (Kevin Yuan), 'User Password:' (\*\*\*\*), 'Retype password:' (\*\*\*\*), 'Email:' (kevin30@ms168.com.tw), and 'User Group:' (User). Below these is a 'User Camera:' section with a table of device names and IP addresses. The table has columns 'Device Name' and 'IP address'. The first three rows are checked, and the last two are unchecked. Below the table is a 'Save' button. At the bottom right of the interface is an 'OK' button.

- **Modify:** Click one user account from user account list to be changed with the mouse; after entering correct data in the right field, press Save button to complete modification.
- **Remove:** Click one account from the user account list to be deleted, it will be OK just to press Remove button. The system will pop up a notice to confirm your removing.

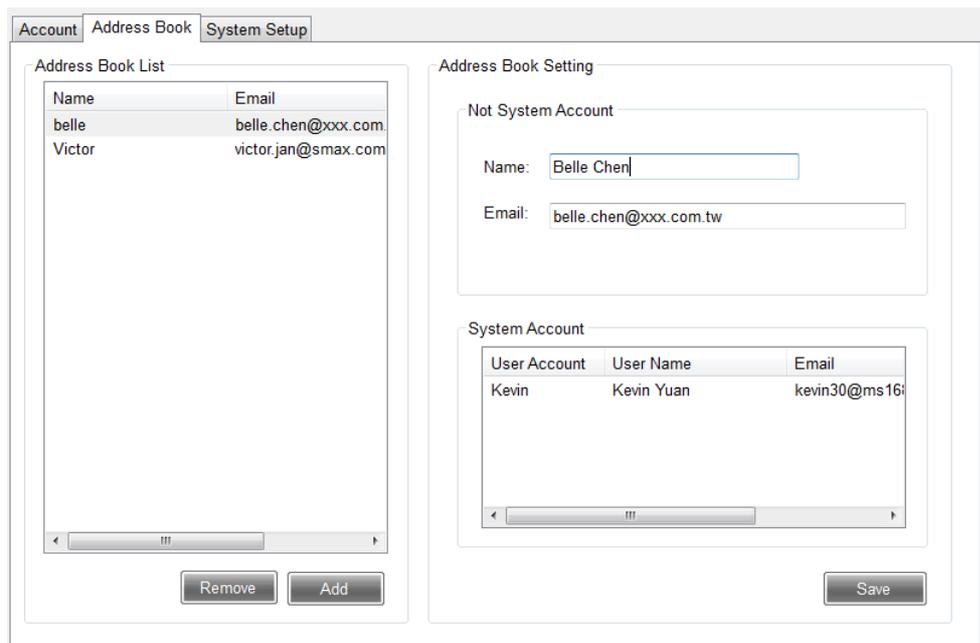
## 9.2 Address Book

Administrator can change password of administrator, and add/modify/remove user's account data. The data in address book can be used for clocking during camera event trigger setup.

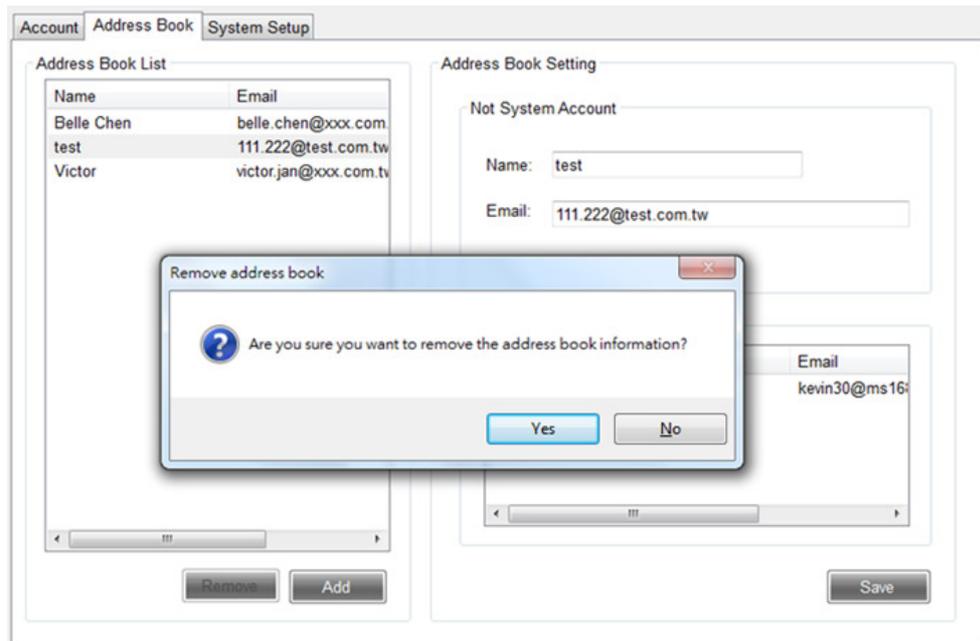
- **Add:** Press Add button to select enter name and e-mail data, or directly click the preset user account data as address book; it will OK finally to click Save button.



- **Modify:** Click one name from address book to be changed with the mouse; after entering the correct data, press Save button to complete modification.

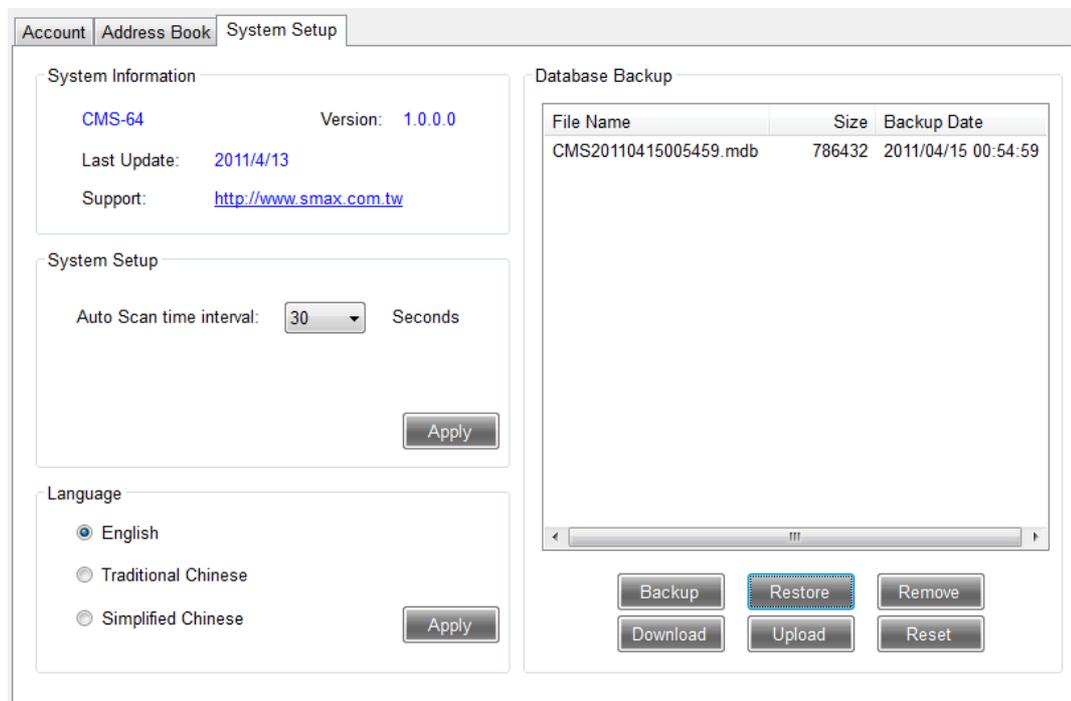


- **Remove:** Click one name to be removed from the address book with the mouse, it will OK just to press Remove button. The system will pop up a notice for confirm your removing.



## 9.3 System Setup

- System information:



- Scan time interval: Automatic scan time interval by second; after selecting the desired seconds, it will be OK just to press the Apply button.
- Enable start the software when windows start
- Language: Set language for the system; after selecting the desired language, it will be OK just to press the Apply button.
- Database maintenance

- Backup: press Backup button to produce a backup file in computer of the user;
- Restore: Select one file for restoring from backup database list; press Restore button to restore the system to the status of the database. Before performing restoring, the system will ask you to make sure if to make a backup;
- Remove: Select one file to be removed from the backup database list; just to press Remove button to delete the backup database;
- Download: Select one file to be downloaded from the backup database list; after pressing Download button, the system will ask you which file to be downloaded to. After selection, this database will be copied to this catalogue (Totally two database files);
- Upload: To upload the downloaded database file to the system, it is to press Upload button. The system will ask you to select the file for uploading. After pressing catalogue browsing button for selection (Totally two files to be uploaded), press Upload button to complete uploading. After uploading, a file will be generated. The file can be restored based on your actual need (restore the reference database)..

The screenshot shows a web-based interface with three tabs: 'Account', 'Address Book', and 'System Setup'. The 'System Setup' tab is active and contains four main sections:

- System Information:** Displays 'CMS-64' (Version: 1.0.0.0), 'Last Update: 2011/4/13', and 'Support: <http://www.smax.com.tw>'.
- System Setup:** Features an 'Auto Scan time interval' dropdown set to '30' seconds, with an 'Apply' button below it.
- Language:** Offers radio button options for 'English' (selected), 'Traditional Chinese', and 'Simplified Chinese', with an 'Apply' button below.
- Database Backup:** Contains two text input fields for file paths: 'CMS Database' (C:\Users\KevinYuan\Desktop\CMS2011041501023) and 'Event Database' (C:\Users\KevinYuan\Desktop\Alarm2011041501023). Below these fields are 'Upload' and 'Back' buttons.

- Reset: Clear all system information to the initial installation status.

**Change password:** After login with general user account, account management and address book function can not be performed. If changing password for login of the system, you enter the page for password change.

User change password: It is required to firstly enter the current password and new password, and then to complete changing password just to click Change

button.

User Change Password

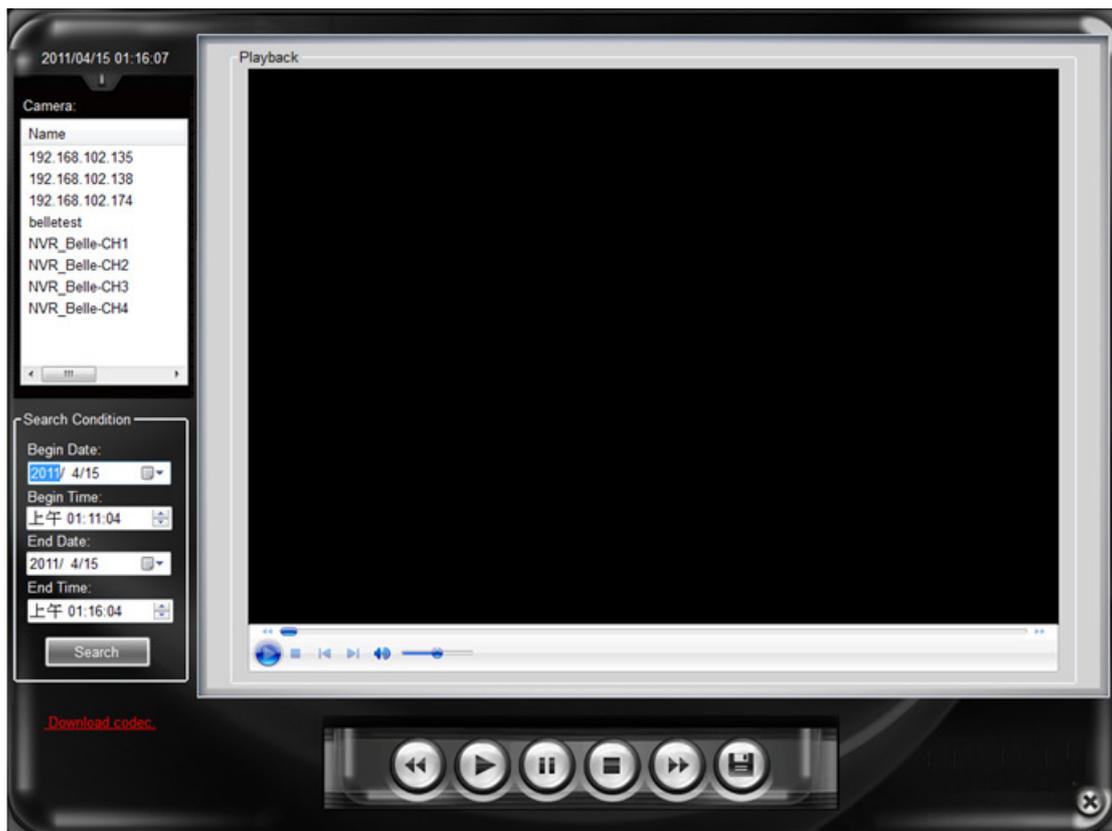
Current password:

New password:

Retype password:

# 10. Video Playback

After pressing Playback button in the main menu, the system will pop up a playback page (If another screen is connected, it will be popped up on the second screen.) User may perform operation in the main menu and playback interface.

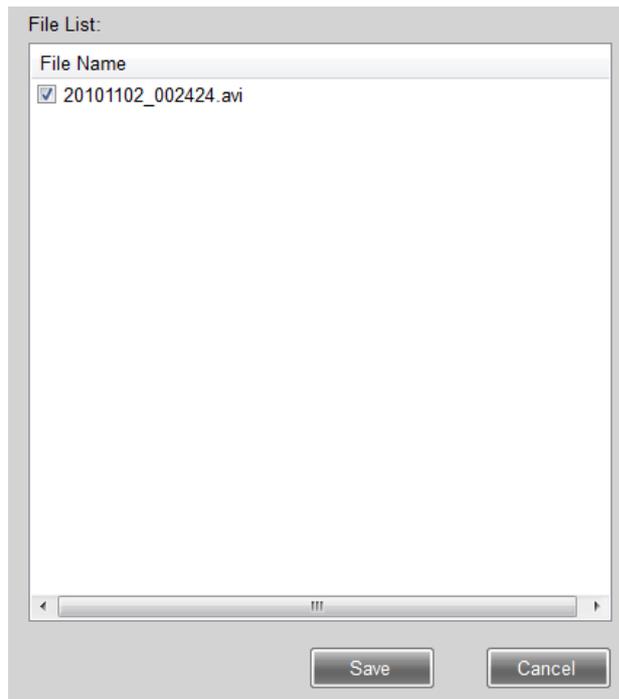


- Select camera and inquiry conditions: Select a camera and a period of time for playback (Begin time and end time). In case of being searched, it will automatically download and play the video file. The method to find the video file follows the setup for camera device timing and video information.
  - In case of ExpressView, the system will be linked to the set installation route to ask if there is video file (e.g. <http://192.168.2.100:8080>). In case of fail to ask or no video play program PBWebserver installed, the reply is the fail to find the video.
  - In case of video set to NVR400, the system will be linked to the set installation route to ask. In case of fail to ask, the reply is the fail to find the video.
  - In case of no setup, the system will pop up a dialogue box to ask the location of the video file.

- Play control
  - Control of play/pause/stop can be performed on the video;
  - In case of couples of videos in the folder, the previous and last video are for option;
  - Click the right button of the mouse on the being played video, advanced operation can be performed (play speed, volume and zoom)



- Download video file: Select the video file to be downloaded (Couples of file can be selected); after pressing Save button, the system will ask you for the catalogue to be saved in. After that, it will download the selected file from the remote end.



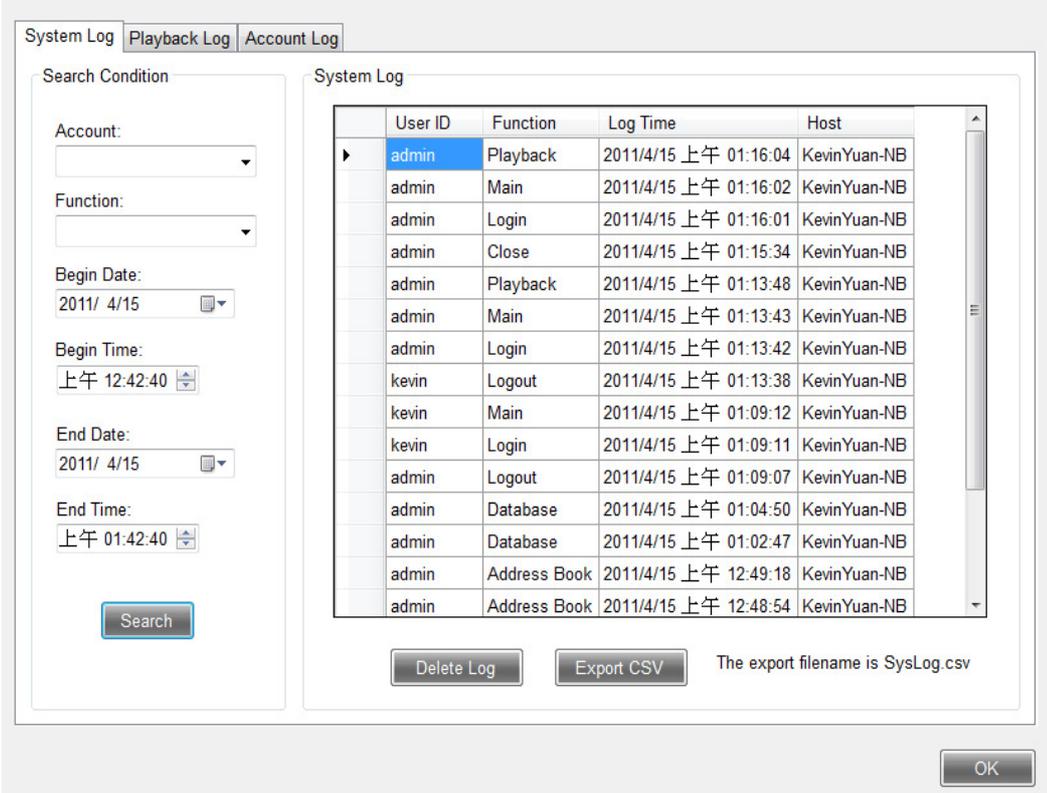
- Download decoder: In case of replay found during video file playback, however the video image is blank that indicates that there is no a video decoder installed on the computer. Please click a decoder hyperlink to download the updated decoder.

# 11. Report Log

Click Report Log button in the main menu to access to use log, video playback log and account change log of the system provided.

## 11.1 System use log

All functions of system login with the account and operation time are kept as the log.



The screenshot displays the 'System Log' interface. It features three tabs: 'System Log', 'Playback Log', and 'Account Log'. The 'System Log' tab is active. On the left, there is a 'Search Condition' panel with the following fields:

- Account: A dropdown menu.
- Function: A dropdown menu.
- Begin Date: A date picker set to '2011/ 4/15'.
- Begin Time: A time picker set to '上午 12:42:40'.
- End Date: A date picker set to '2011/ 4/15'.
- End Time: A time picker set to '上午 01:42:40'.

A 'Search' button is located below these fields. The main area contains a table titled 'System Log' with the following data:

User ID	Function	Log Time	Host
admin	Playback	2011/4/15 上午 01:16:04	KevinYuan-NB
admin	Main	2011/4/15 上午 01:16:02	KevinYuan-NB
admin	Login	2011/4/15 上午 01:16:01	KevinYuan-NB
admin	Close	2011/4/15 上午 01:15:34	KevinYuan-NB
admin	Playback	2011/4/15 上午 01:13:48	KevinYuan-NB
admin	Main	2011/4/15 上午 01:13:43	KevinYuan-NB
admin	Login	2011/4/15 上午 01:13:42	KevinYuan-NB
kevin	Logout	2011/4/15 上午 01:13:38	KevinYuan-NB
kevin	Main	2011/4/15 上午 01:09:12	KevinYuan-NB
kevin	Login	2011/4/15 上午 01:09:11	KevinYuan-NB
admin	Logout	2011/4/15 上午 01:09:07	KevinYuan-NB
admin	Database	2011/4/15 上午 01:04:50	KevinYuan-NB
admin	Database	2011/4/15 上午 01:02:47	KevinYuan-NB
admin	Address Book	2011/4/15 上午 12:49:18	KevinYuan-NB
admin	Address Book	2011/4/15 上午 12:48:54	KevinYuan-NB

Below the table are three buttons: 'Delete Log', 'Export CSV', and 'The export filename is SysLog.csv'. An 'OK' button is located at the bottom right of the window.

- Search: Select the account, functions to be performed and period of time to be searched; press Search button to find out system use log.
- Export: After pressing export CSV file for the searched files, the system will export the file to the designated catalogue.
- Remove: In case of too many log files, when the file can be searched, press Delete Log button for deletion.

## 11.2 Video Playback Log

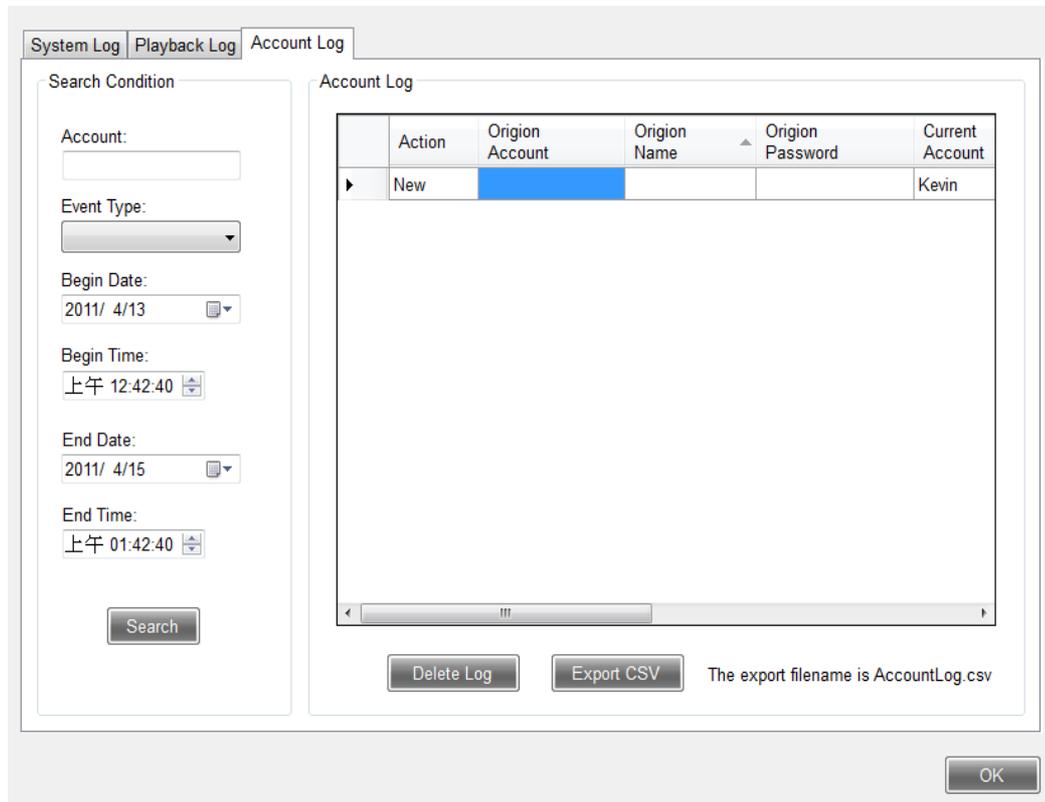
During playing the image of video playback file function, all the video files searched within this period of time are kept as the log.

Camera	Start Date	End Date	Account
belletest	2011/4/15 上午 01:11:00	2011/4/15 上午 01:16:00	admin

- Search: Select the camera, account and period of time for file playback to be searched, and press Search button to find video playback log.
- Export: After pressing export CSV file for the searched file, the system will export the file to the designated catalogue.
- Remove: In case of too many log files, when the file can be searched, press Delete Log button for deletion.

# 11.3 Account Change Log

During performing account management function, all changes for the account are kept as the log.



- Search: Select the changed account, operation action (Add/Modify/Remove) and period of time for change to be searched, and press Search button to find account change log.

Information of current password, name and password, and new account, name and password will be recorded.

- Export: After pressing export CSV file for the searched file, the system will export the file to the designated catalogue.
- Remove: In case of too many log files, when the file can be searched, press Delete Log button for deletion.