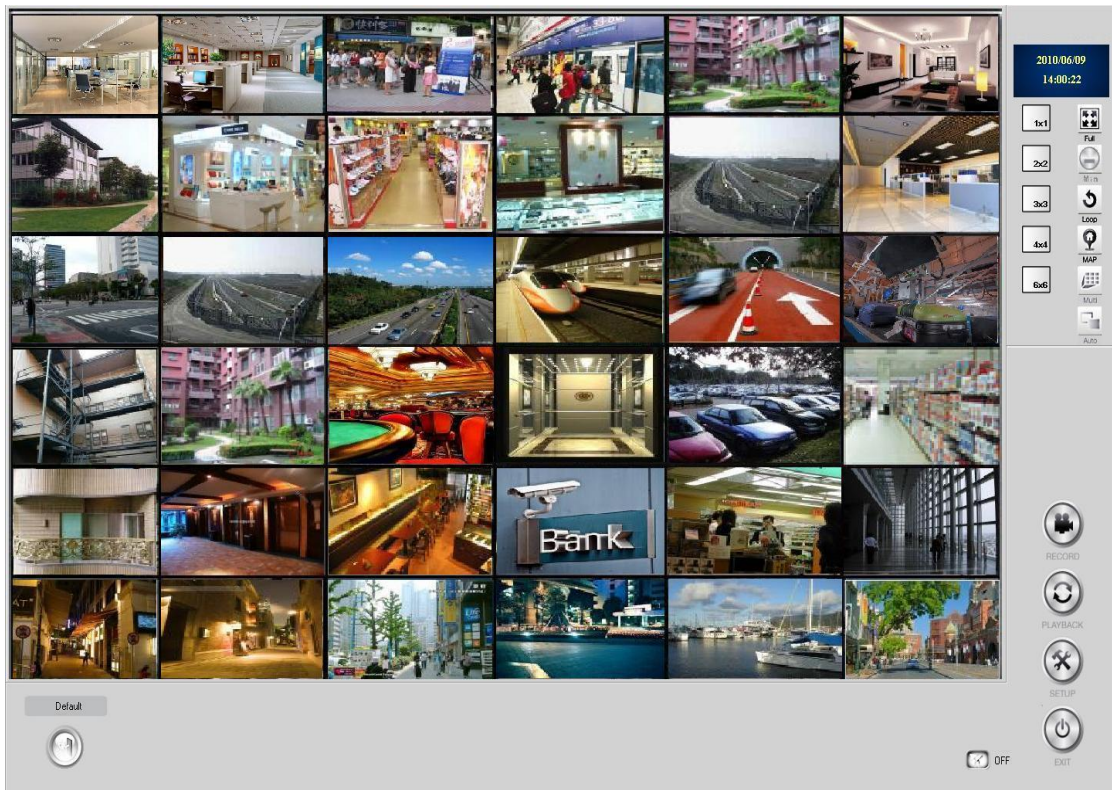


IP Camera Recorder Recording Software User Manual



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I. Preface

IPCamera Recorder is a video recording software which supports IP Camera and Video Server. IPCamera Recorder can be used to monitor the real-time video, record and playback the video on PC.

IPCamera Recorder provides 5 different ways to record the video, including normal recording, schedule recording, motion-triggered recording, alarm-triggered recording and manual recording. E-Map and Multi-Monitor are also built-in within IPCamera Recorder.

The user can also use this software to distribute the HDD space, and separate the video files from the most important channels and saving them directory, keeping crucial video data for longer time

IPCamera Recorder can be accessed via web browser or by Remote Lite software, sharing live video remotely.


II. System Requirements

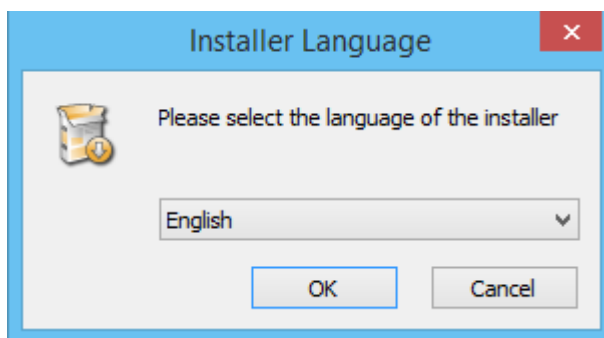
Suggesting Requirements

- CPU: Intel Core i5 2300@2800M HZ or above
- Memory: 8GB
- VG. card: 1GB External Graphic Card or above
- Monitor Resolution: 1024 x 768 or above (Suggest 1920 x 1080)
- OS: Windows 7/ Windows 8.1
- File System: NTFS

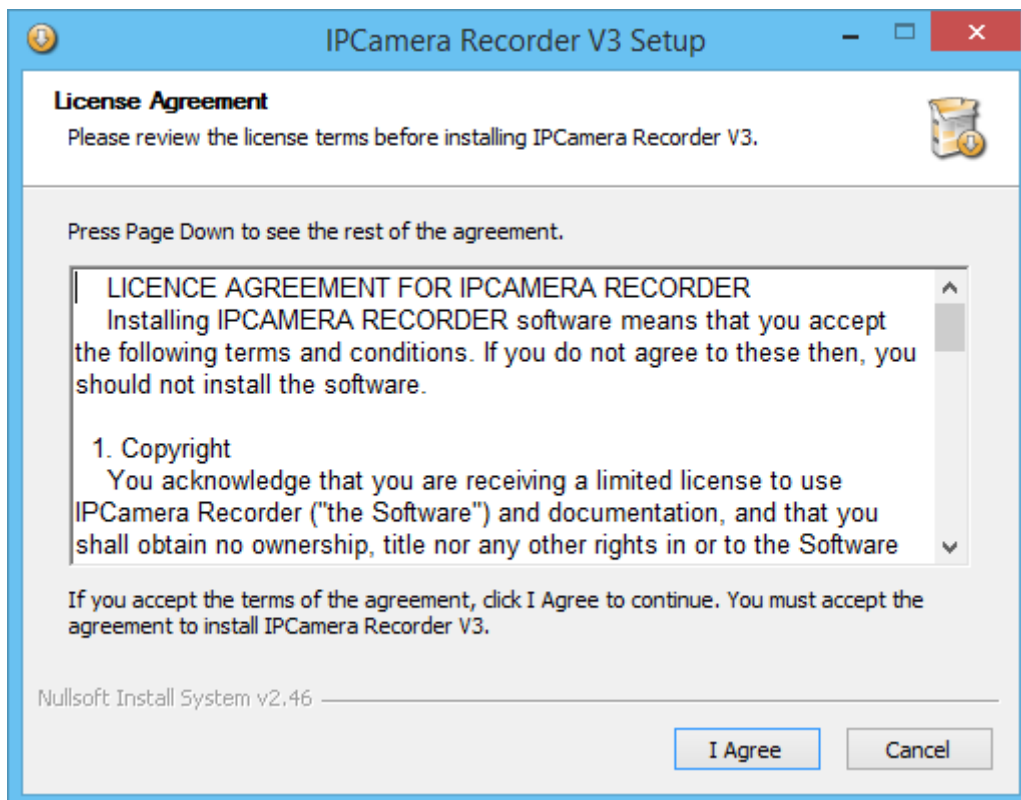
III. Program Install and Uninstall

A. Program Install

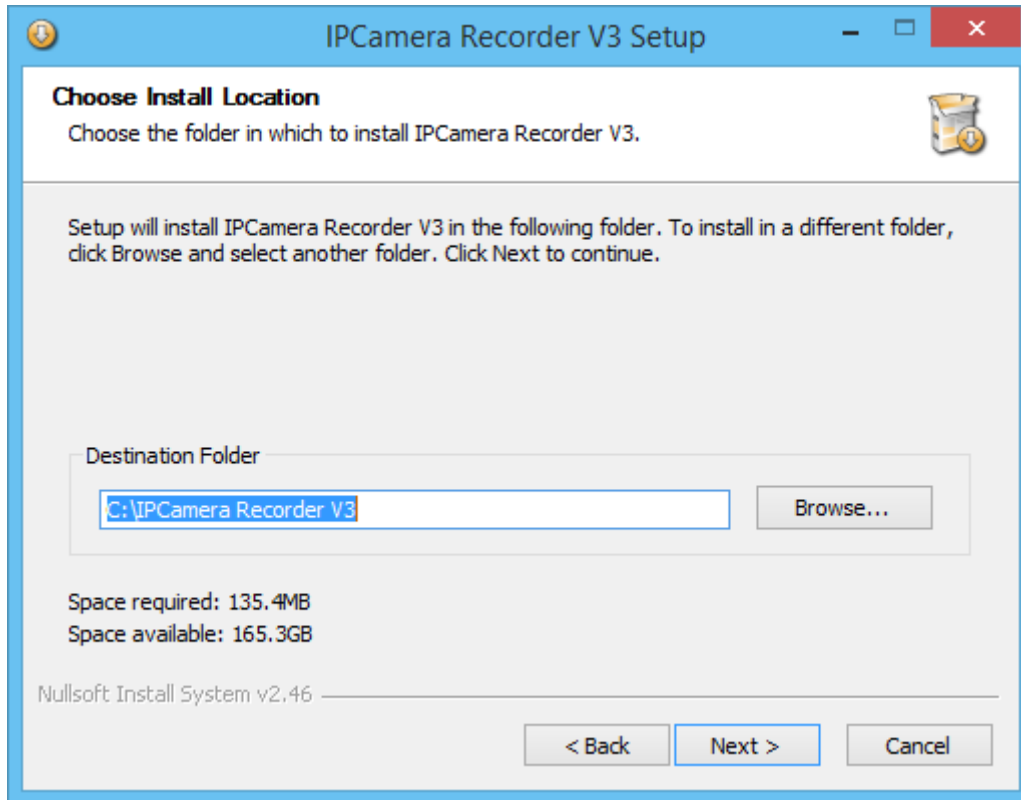
1. To install IP Camera Recorder, double click the execute file icon .
2. Please select the language for the installation procedure.



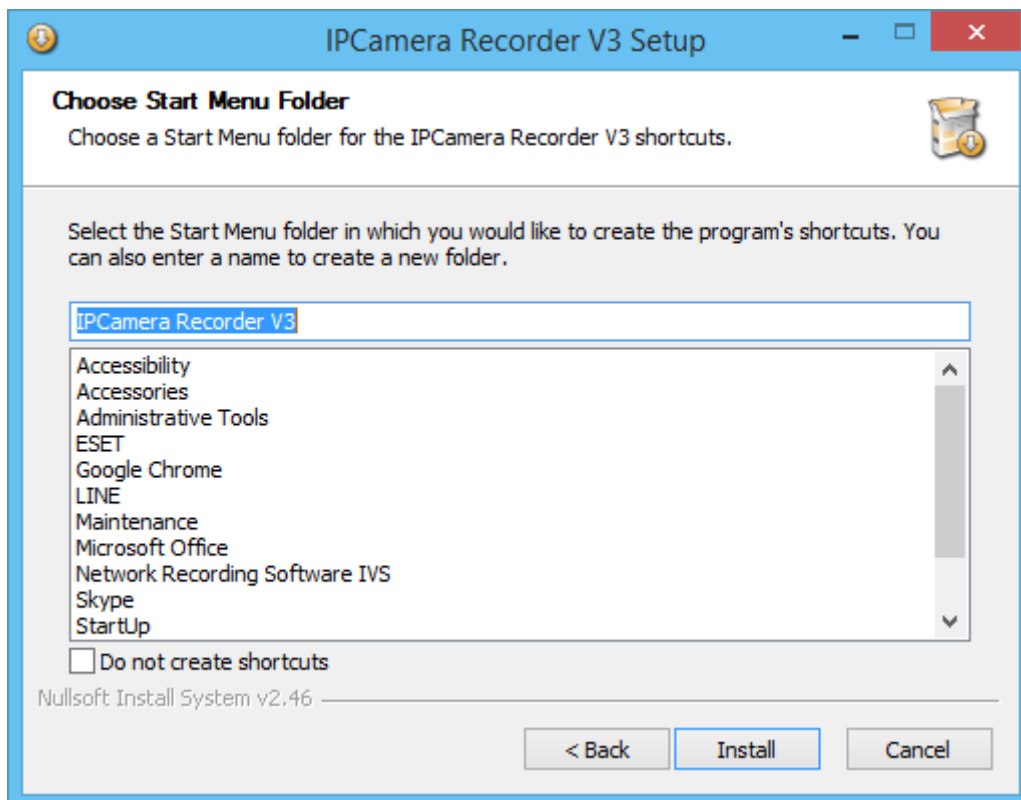
3. Please read the License Agreement. Select "I Agree" to continue installation.



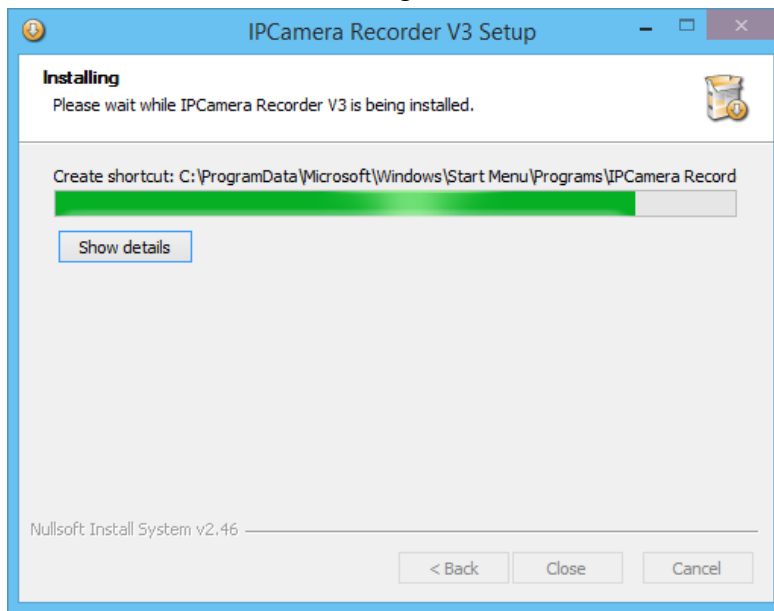
- The default installation directory is "C:\IPCamera Recorder". Click "Browse" to change the directory.



- The default folder name in start menu is "IPCamera Recorder". You can also edit it as you like. Click "Install" to start the installation.



6. After the installation finishing, click “Close” to close the procedure of the installation.





7. To start the program, follow the path: “Start”->”Program”->”IPCamera Recorder ”->”IPCamera Recorder”.

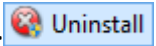


For Windows Vista or Win7 users, right-click on the short cut icon of IPCamera Recorder or the main program, and select “Run as administrator” to start the program.

8. An additional monitor screen might be seen if a second monitor is connected.
9. On the IPCamera Recorder, if the first and the second live-viewing screens are the same, the number of the channels displayed on the screen will be different.

10. If multi-monitor is not supported by the PC, the multi-monitor mode  and the multi-monitor ON/OFF  will be disabled.

B. Uninstall

To uninstall the program, select “Start” -> ”Program” -> ”IPCamera Recorder” ->  to remove the program.

IV. Quick Setup before starting

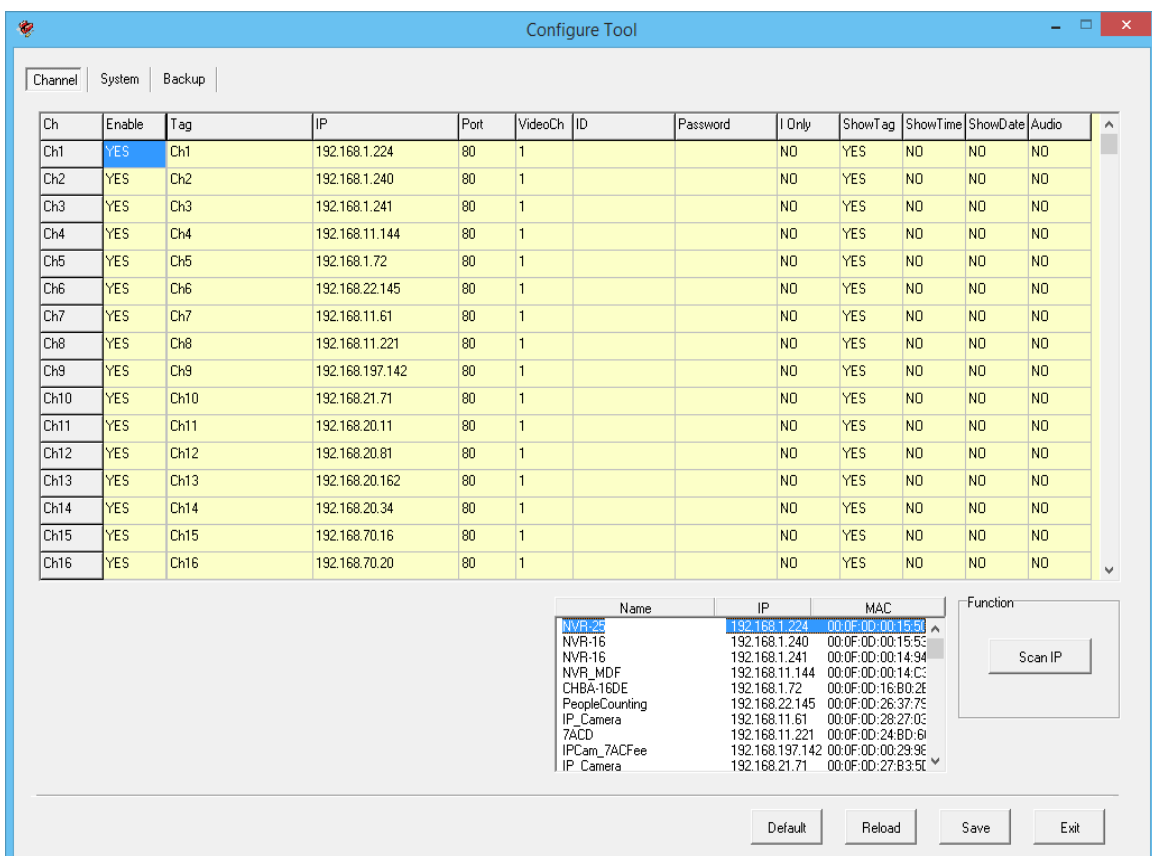
A. Connect to IP Cameras or Video Servers

Before practicing any operation, you have to connect IP cameras or video servers.

1. Configure Tool

Configure tool is a independent application that enables users to connect with the IP cameras/ video servers and set up the channel list without start the IP Recorder main program.

- a. Select “Start” -> “Program” -> “IPCamera Recorder” -> “Tools” -> “Configure tool”. In Windows Vista/ Win7, right-click on the desktop shortcut or configure tool, then select “Run as administrator” to start the program.




- b. “IP Installer” is built into the “Configure tool”, which can scan the IP devices under the LAN. When Configure tool stretches, it starts searching automatically. To re-search devices, click “Scan IP”.

c. Find the IP camera or video server you would like to connect, drag and drop it to the channel listed above, and key-in the username & password of the device.


d. After finishing the configuration, click “Save”.

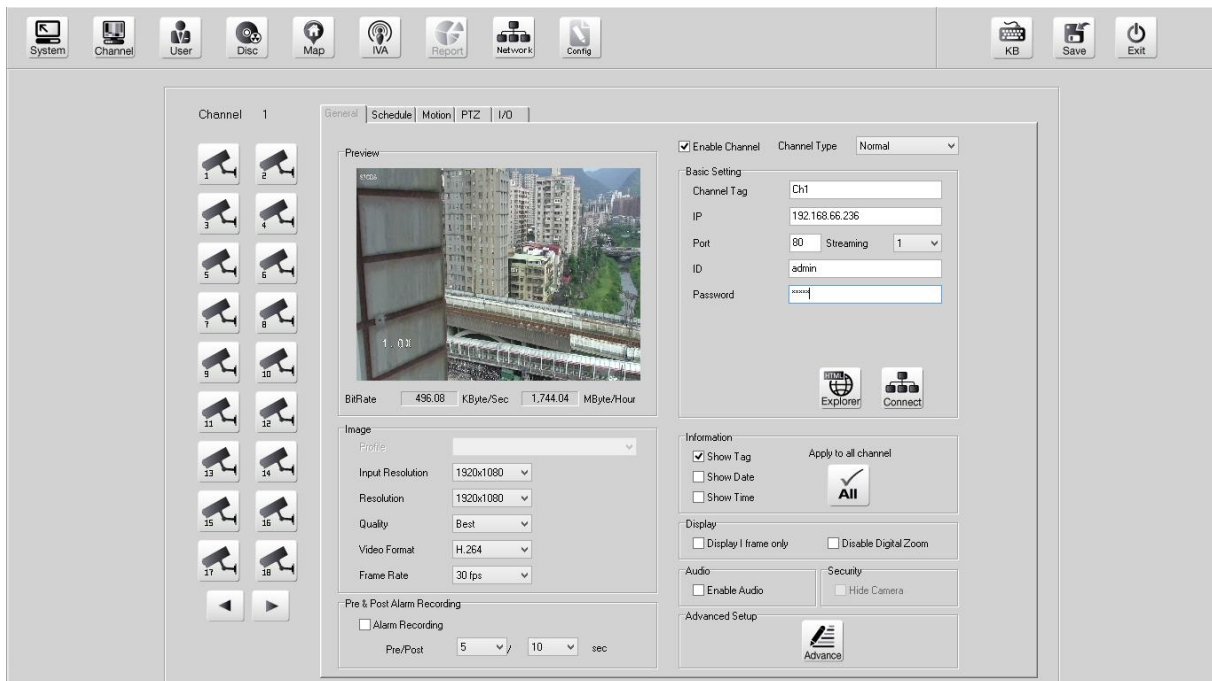
2. Channel Setup Page of the IPCamera Recorder



a. Start IPCamera Recorder. Click the configuration button  on the center of the setup page. The software will ask you to log in. The default username and password are both "admin".





b. Click the  icon to enter the IP camera / video server set up icon page.



c. There are 36 channel icons listed on the left side. Click the channel you want to set up.

d. In the “basic setting” column, key in the IP camera IP address, port, and username & password. The Channel tag can be any phrase word to be displayed on the top of live view. Select a streaming of IP camera.



e. Click  to test and connect with the device. If you click , the web page browser will be started to access the IP camera.



Enable Channel Channel Type Normal

Basic Setting



Channel Tag Ch1

IP 192.168.66.236

Port 80 Streaming 1

ID admin

Password *****

Note: Please key in the IP address without any protocol. For example, if you key-in "http://60.251.82.54:8125", a "connection fail" message will appear.

- f. You can appoint one or several channels as attached channels of a normal channel, and see the same live view as the normal channel. The attached channel is not physically linked to any camera, so the bandwidth loading does not increase.

To setup an attached channel, select "Attached" of "channel type", and appoint the channel number you want to attach to.

Enable Channel Channel Type Attached

Basic Setting

Channel Tag Ch2

Attached Channel Ch1 [192.168.66.236]

A practical usage of the attached channel is the zoom function. You can operate the digital zoom for each attached channel respectively.

With this function, you can monitor different spots on the attached channels. Take the picture below for instance, the attached channels--CH2, 3 and 4 show three different zones of the CH1, which is the normal channel.



g. After the channel is successfully connected, you can adjust the image resolution, quality, video format, and frame rate in the "Image" column. The options displayed here depend on the connected device.


Image	
Resolution	1280x1024
Quality	High
Video Format	H.264
Frame Rate	15 fps

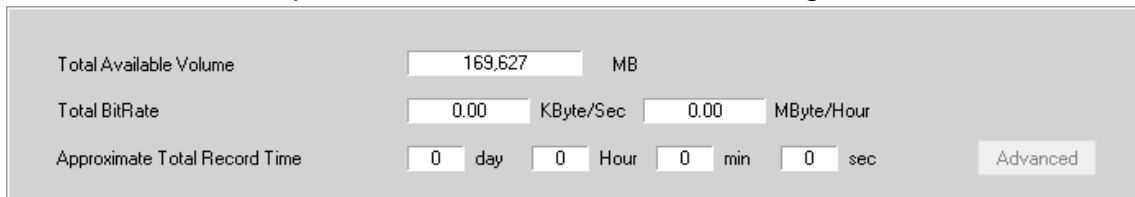
h. Finally, click on  to save your settings.

B. Set up HDD for Recording

If you want to record the video on the PC, we recommend to setup the HDD first. If you don't adjust any options, the IPCamera Recorder will apply the default setting (Based on the HD space).

1. Start the IPCamera Recorder. Click the  icon to enter the setup page. The software will ask you to log in. **Both default username and password are "admin".**

2. Click the  icon to enter the Disk setup page.
3. The total available space and the estimate max recording time are shown on the top.

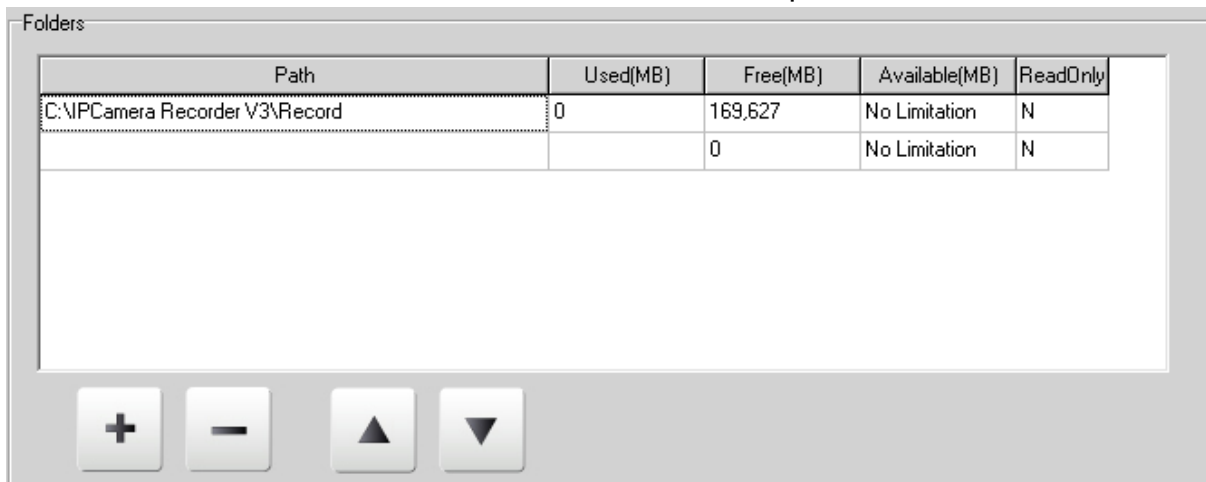


Total Available Volume MB


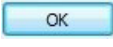

Total BitRate KByte/Sec MByte/Hour





Approximate Total Record Time day Hour min sec

4. The default saving directory is the folder named "Record" under the path where the software is installed. You can also check the free disk space here.



Path	Used(MB)	Free(MB)	Available(MB)	ReadOnly
C:\IPCamera Recorder V3\Record	0	169,627	No Limitation	N
		0	No Limitation	N

If you want to add a new recording path, click the  button to set the directory in the pop up window, and click  button to complete the setting. You can delete an existing path by selecting it and click the  button.

- The up and down buttons  /  are used to decide the priority sequence of the recording path. If the disk space of the first path is full, the recording video will be saved to the second path.
- Selecting the "Available (MB)" box of one recording path will display the adjusting buttons  / . Click the two buttons to adjust the space limitation for recording, or key-in the number by keyboard. The default value is "No limitation" that means the recording file will be saved continuously under the path until the disk is full.

Path	Used(MB)	Free(MB)	Available(MB)	ReadOnly
D:\IPCamera Recorder\Record	961	4,243	1,024	N
		0	No Limitation	N

- By enabling the "Keep video days" function, the video will be automatically deleted after the given days. Meanwhile, the estimate max recording time above will change according to the days setting.

Storage

Keep Video Days days

- Finally, click on  to save your settings.

- If you prefer the old files to be overwritten when the disk is full, please refer to "[Auxiliary Functions](#)" on the system setup page.

Auxiliary Functions

Keyboard lock[Windows key enable/disable]

Schedule auto reboot



Auto run the program on windows startup

Enable E-mail

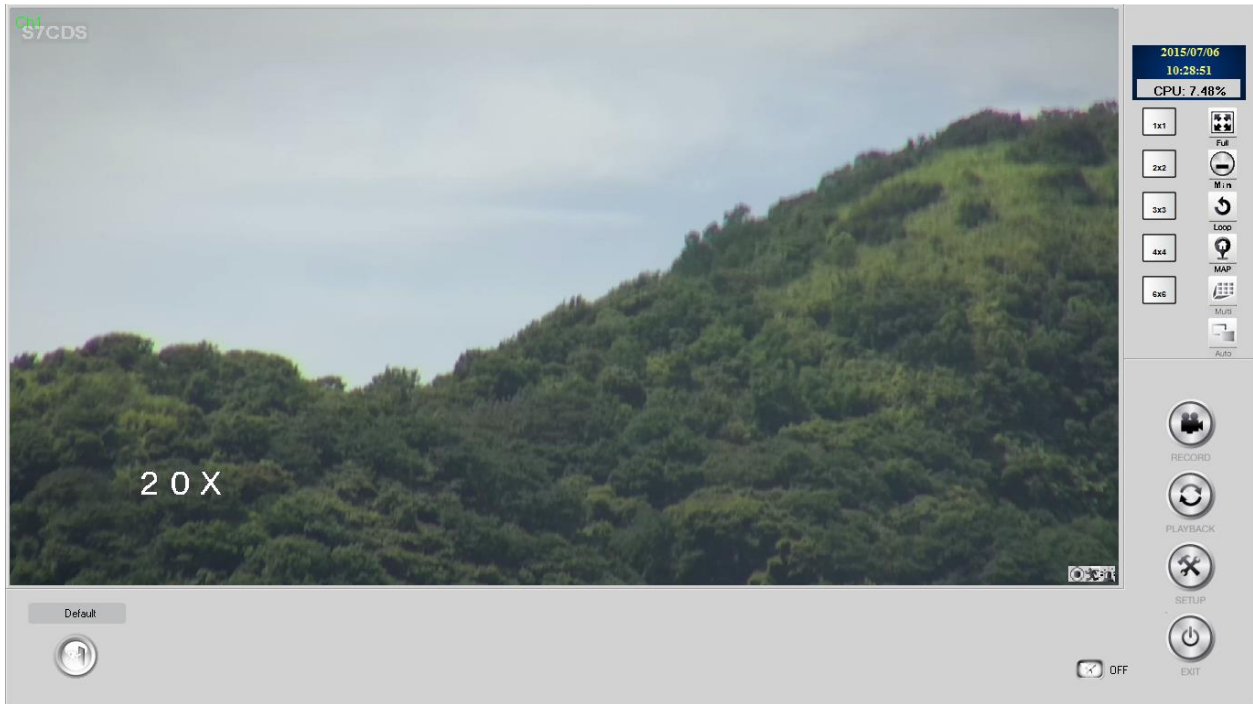
Auto Logout sec

Overwrite When Diskfull

Minimize live independently

 Reboot
 Mail




V. Live Screen














A. Live View

On split screen view, double-click on one of the live view image, the selected channel will switch into a single screen view.

In every activated channel, you can see three little icons  on the bottom-right.

-  flickers when the channel is recording.
-  flickers when the channel detects motion.
-  flickers when the alarm on the channel has been triggered.


B. Function Buttons


-  : Split screens.
 -  : Single screen.
 -  : Switch to full Screen mode. To exit the full screen mode, press Esc or right-click the mouse.
 -  : Minimize the program into system tray.
 -  : Channel auto swap. You can change the swap order and dwell time in the “screen setup” column.
 -  : Call out E-Map.
 -  : Distribute the channels into two monitors. Each monitor displays one channel.
 -  : Enable/Disable multi-monitor.
 -  : Manual recording. Press it to start recording immediately. Click the button again to stop recording.
 -  : Call out recorded video playback menu.
 -  : Pop-out configuration page.
 -  : Exit the program
-


C. Function Button in Bottom Column


Note: some icons or control panels only appear when the live view is displayed in single channel.

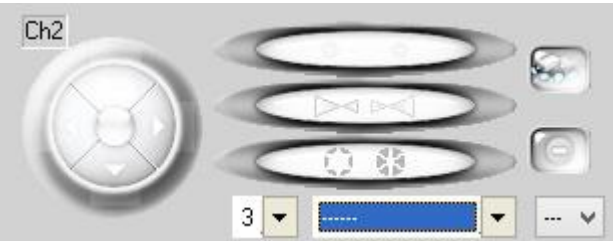
1.  : Log in to /out of the system.

2.  : Digital Zoom Control Panel. Pull the bar to adjust the zoom percentage, and drag the red frame to the area you prefer. The area circled by the red frame will show on the live view.

3.  : I/O switch. IPCamera Recorder supports control up to 4 Digital In / Digital Out devices. Please refer to "**Output**" setup column for more.





4.  : Chatting switch. Click on to speak from PC to IP Camera.

5.  : Broadcast switch. Click on to speak from PC to all IP cameras connected. Note: To receive audio form IP Camera to PC, please refer to "**audio**" column.

6.  : PTZ controller panel.




- a.  : Zoom in/ zoom out

- b.  : Focus in/ focus out

- c.  : Iris open/ Iris close. The bigger the iris, the more light the camera can receive.
- d.  : Use the four-direction arrows to move the view.
- e.  : The left number represents the moving range for the four-direction arrows. The right list is the preset point list. By selecting one of them the view will move to the given point.
- f.  : Start/ stop auto patrol. When auto patrol starts, the view will start patrolling according to your patrol group settings on the camera.


D. E-PTZ Control of Panorama View

When connecting to a hard-decoding fisheye camera, you can choose the split screen pattern and the camera view.

- a.  Use the drop down menu to select a screen pattern, for example, "triple" means one flat panorama view with 2 sub screens for applying E-PTZ. The number on the left represents the total sub screen number that you're controlling.
- b.  After you select a screen pattern, use the 4-direction arrows to adjust the view of sub screens. The controlled sub screens will be indicated on a red frame.
- c.  Use the "+" "-" to zoom in / zomm out the view of sub screens. You can also adjust the zoom by scrolling the mouse central wheel. The controlled sub screens will be indicated on a red frame.

VI. Configuration



Click the  button; it will call out the setup page. The software will ask you to log in. Both default username and password are both "admin".

On the top right of the setup page, you can see three icons:



- **KB** : Call out the virtual keyboard.




- **Save** : Save all the settings.



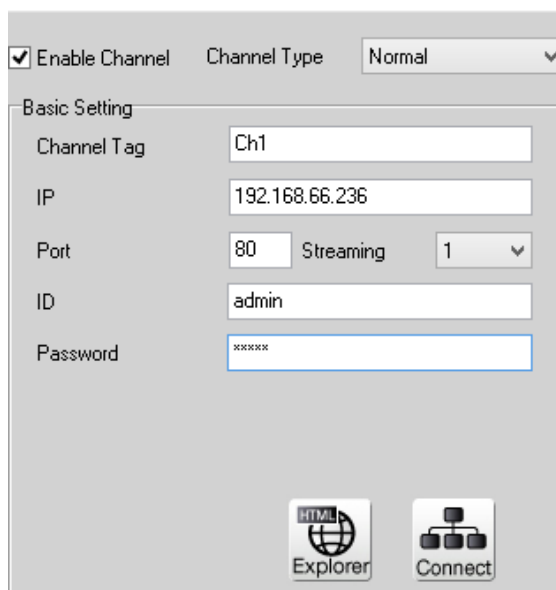
- **Exit** : Leave the configuration page.

A. System Setup : Server, Multi-monitor, Screen Pattern, Log



Click the  button to enter system setup page.

1. Network




The image shows a network configuration window with the following fields and options:

- Enable Channel
- Channel Type: Normal (dropdown)
- Basic Setting section:
 - Channel Tag: Ch1
 - IP: 192.168.66.236
 - Port: 80, Streaming, 1 (dropdown)
 - ID: admin
 - Password: xxxxxx
- Buttons: Explorer (with HTML icon), Connect (with network icon)

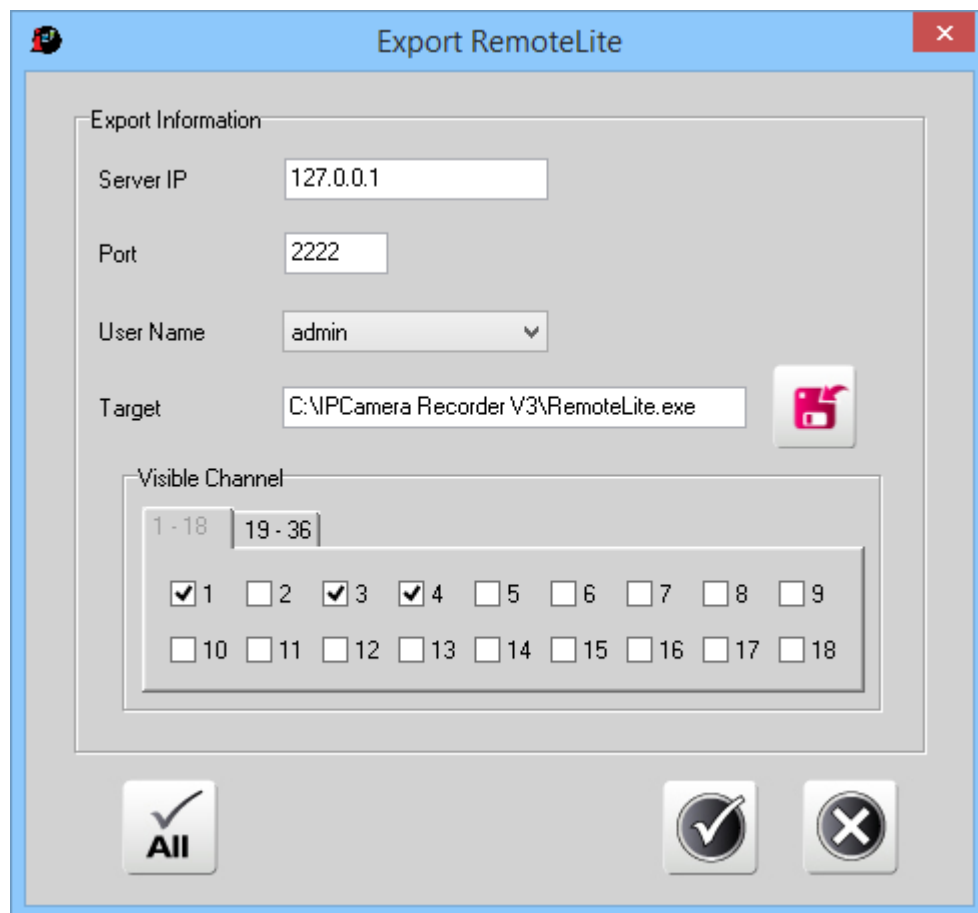
- a. Web Server: Enable the web server and assign a port. The user can use webpage browser on another PC to watch the live video.
- b. Remote AP Server: Enable remote AP server and assign a port. The user can use Remote Lite software on another PC to watch the live video.



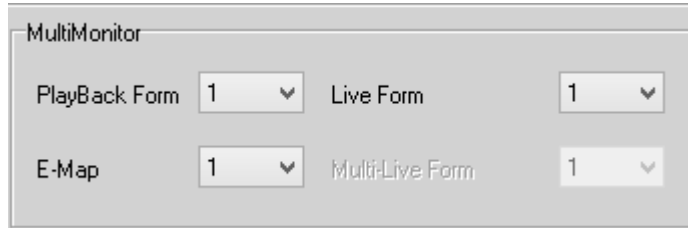
Click  RemoteLite Application column to export the software.

Note: The RemoteLite Application only supports the exporting operation of totally 4 channels.

To see the detailed instruction about how to operate webpage browser and RemoteLite Application to connect with the local server, please refer to the chapter "[Remote Monitor](#)".



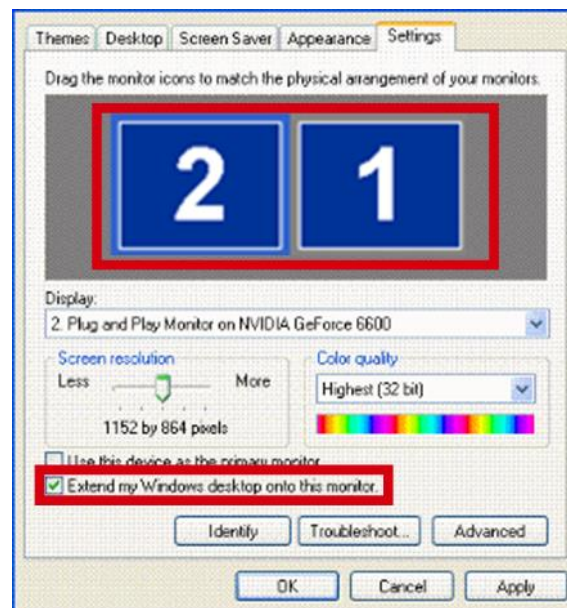
2. Multi Monitor



You can select what is displayed on different monitors by setting up Multi-Monitor. This function only works when the PC's graphic card supports multi-monitors and is connected to more than one monitor.

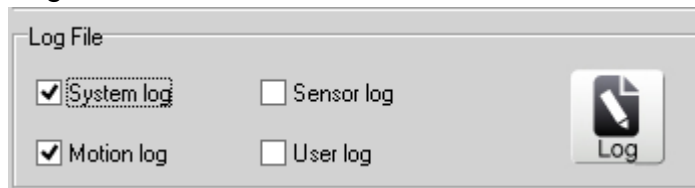
Depending on your graphic card, you may need monitors with different interface. Most graphic cards supporting Multi-Monitors are D-SUB + DVI interface. You have to connect a D-SUB monitor and a DVI monitor. Some graphic cards support DVI + DVI interface, or D-SUB + DVI interface with a DVI to D-SUB connector. In those situations you can connect with two DVI monitors or two D-SUB monitors.

When using multi-monitors at the first time, to make them display correctly, adjust the display properties and reboot the PC after connecting the multi- monitors.



- Right-click desktop -> Display Properties-> Settings.
- Click the disabled monitor number and tick "Extend my Windows desktop onto this monitor".
- Drag and drop the monitor icon to correspond the actual monitor position.

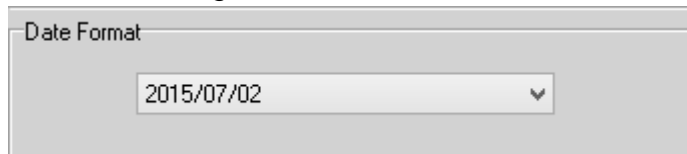
3. Log File



The 'Log File' window contains four checkboxes: 'System log' (checked), 'Sensor log' (unchecked), 'Motion log' (checked), and 'User log' (unchecked). A 'Log' button with a document icon is located on the right side of the window.

Tick the type of log you want to keep & click  button to see the log.

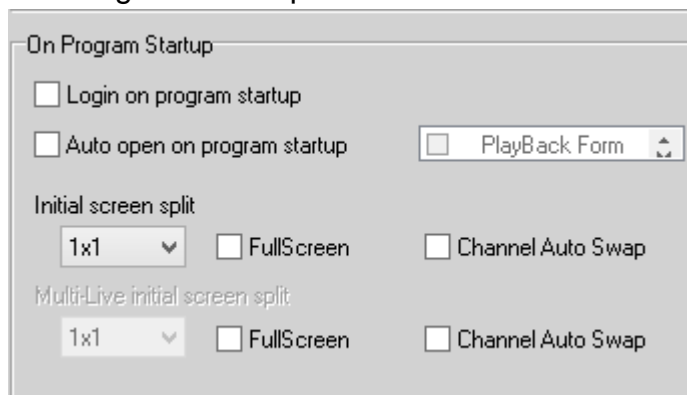
4. Format Setting



The 'Date Format' window shows a dropdown menu with the value '2015/07/02' selected.

Select different date display formats you like.

5. On Program Startup



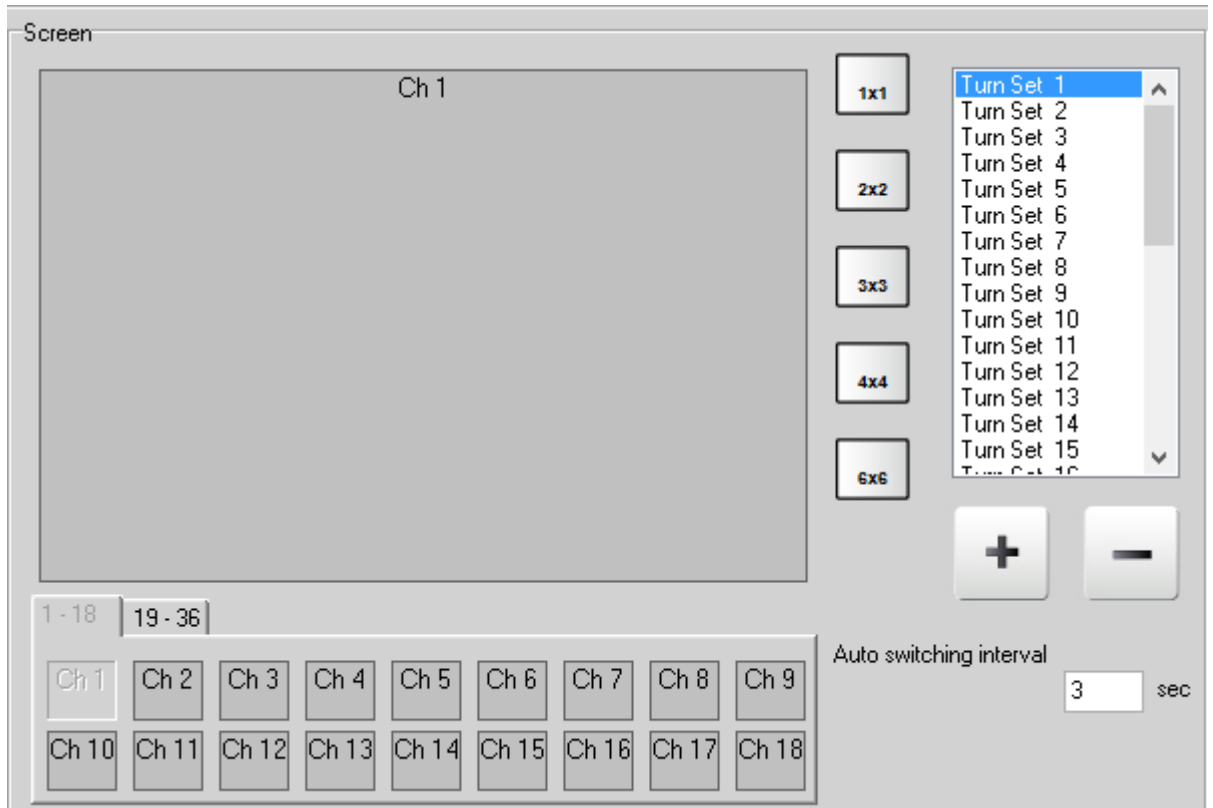
The 'On Program Startup' window includes several options: 'Login on program startup' (unchecked), 'Auto open on program startup' (unchecked) with a 'PlayBack Form' dropdown, 'Initial screen split' (1x1 dropdown) with 'FullScreen' and 'Channel Auto Swap' checkboxes, and 'Multi-Live initial screen split' (1x1 dropdown) with 'FullScreen' and 'Channel Auto Swap' checkboxes.

In this column, you can adjust the initial display option that to be executed at every time IPCamera Recorder startup.

- a. Login on program startup: When the option is ticked, IPCamera Recorder will ask you to login once the program starts. (On the contrary, the program asks for login when you try to enter the configuration page if this option is not ticked.)
- b. Auto open on program startup: Select if you prefer the playback window, E-map window, or multi-live window be displayed when the program starts.
- c. Initial screen split: Select the screen pattern that you will see when the program starts.

6. Screen setup

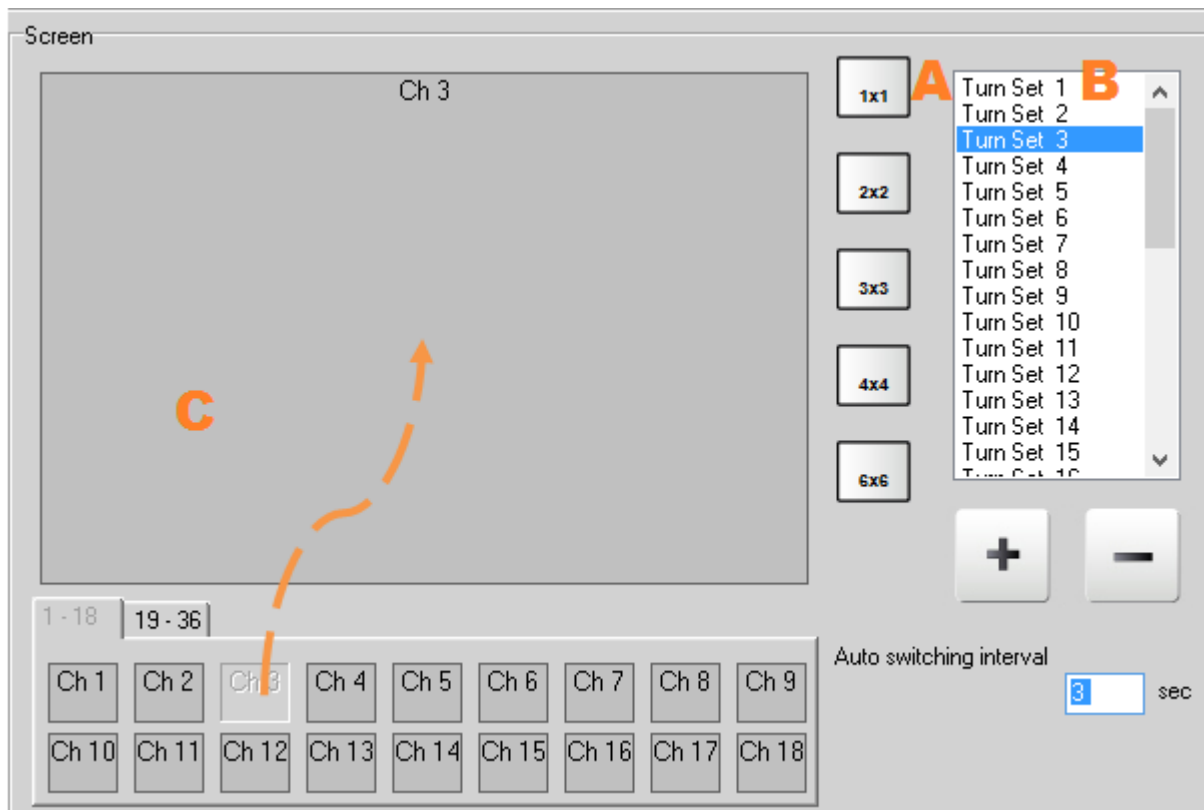
You can customize the channel swap order. IPCamera Recorder provides single channel swap and split screen swap, and they can be set up respectively.






Users can customize live-viewing by choosing different channels to swap. Please refer to the following example for different channel versions.

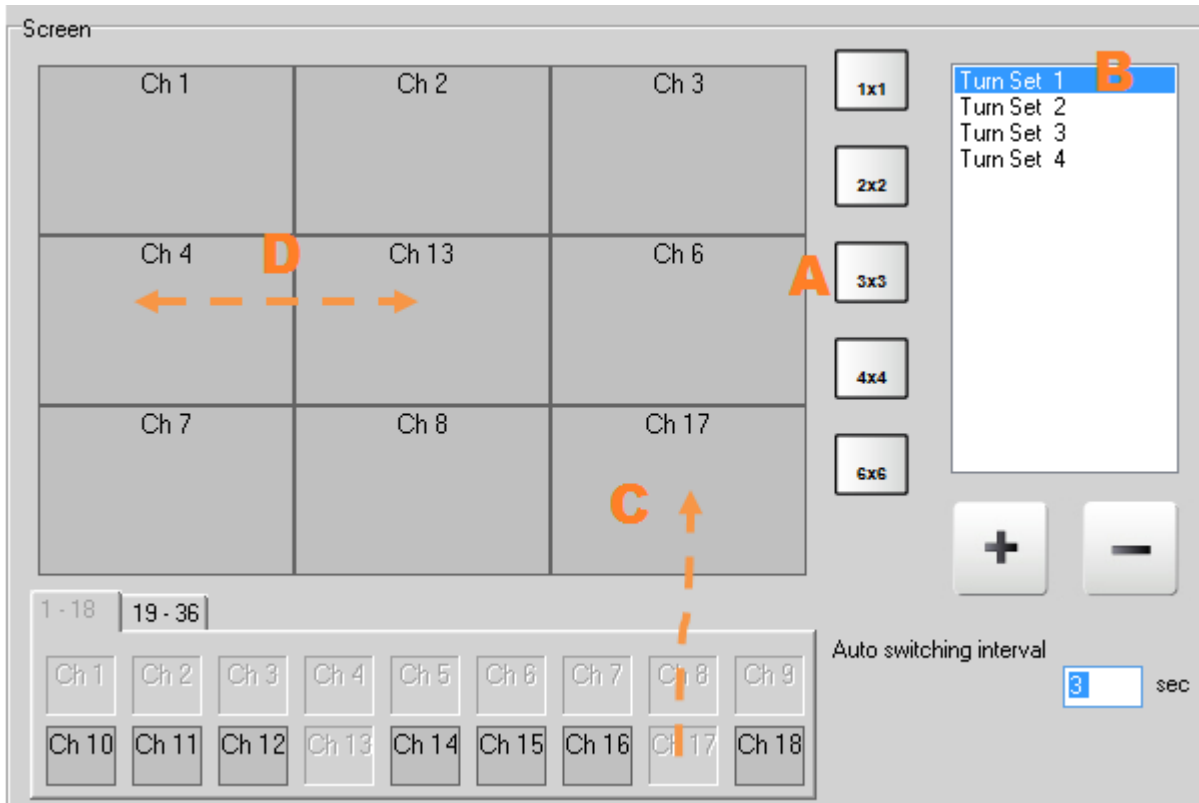
36CH version: For each split window, user can setup to 16CH, 9CH, 4CH and 1CH swap mode. In 36CH, there are up to 40 combinations.



- Single channel pattern



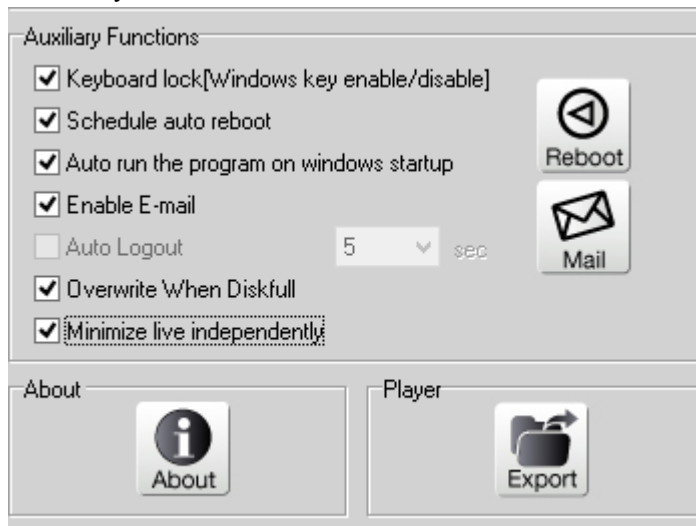
- Press 1x1  single channel icon.
- Select one of the turn sets. A "turn set" represents a screen style. You can arrange different channel placements in each turn set number. When channel swap starts, it follows the sequence: Turn Set1 -> Turn Set 2 -> Turn Set 3 g->...-> Turn Set 1 g....
- Press and drag the channel number to the screen style. Take the picture above for example, we drag Ch3 button onto the screen style so that in turn one Ch3 will be displayed in turn set 1. Then, you can set turn set2 and turn set3 screen style.
- Click  if you need more turn sets to make up the swap,  to delete the existing turn set.

- Split screen pattern




- On 9 channel display mode, for example, press the 3x3 split screen icon.
- Select one of the turn sets. A "turn set" is a screen style. You can arrange different channel placement in each turn set number. When channel swap starts, it follows the sequence: Turn Set1 g Turn Set 2 g Turn Set 3 ->...-> Turn Set 1 g....
- Press and drag the channel number to the screen style. Take the picture above for example, drag Ch17 button onto the screen style so that in turn one Ch3 will be displayed on bottom-right place.
- On the screen style, press and drag the channel number to where you want to place it. Take the picture above for example, drag Ch4 to where Ch13 is. Then, you can set turn set2 and turn set3 screen style.
- Click  if you need more turn sets to make up the swap,  to delete the existing turn set.

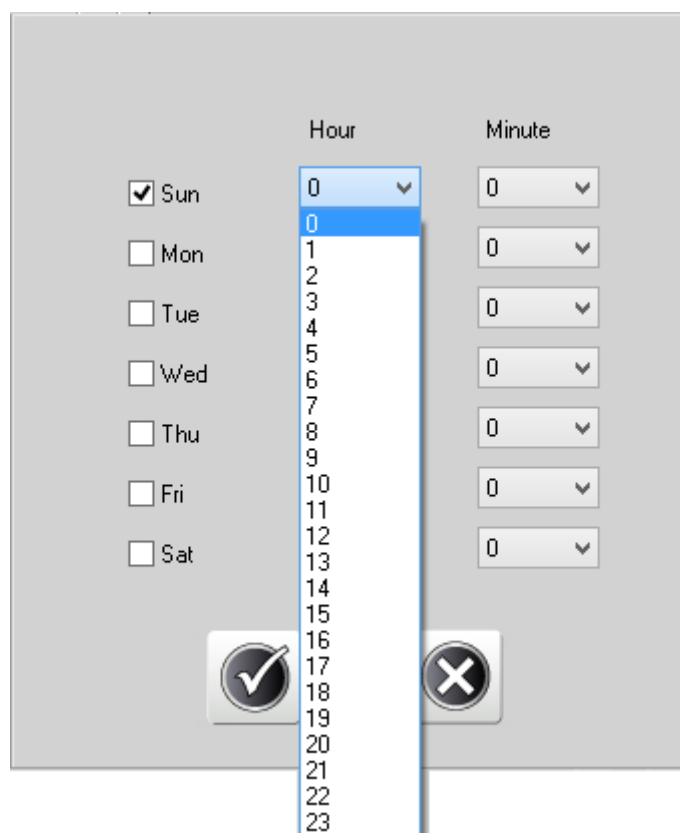
7. Auxiliary Functions




- a. Keyboard Lock: If you tick the box, the application hotkey will be disabled (ex. Ctrl + Esc, Alt + Tab, Win, and Alt+F4) to avoid illegal use.

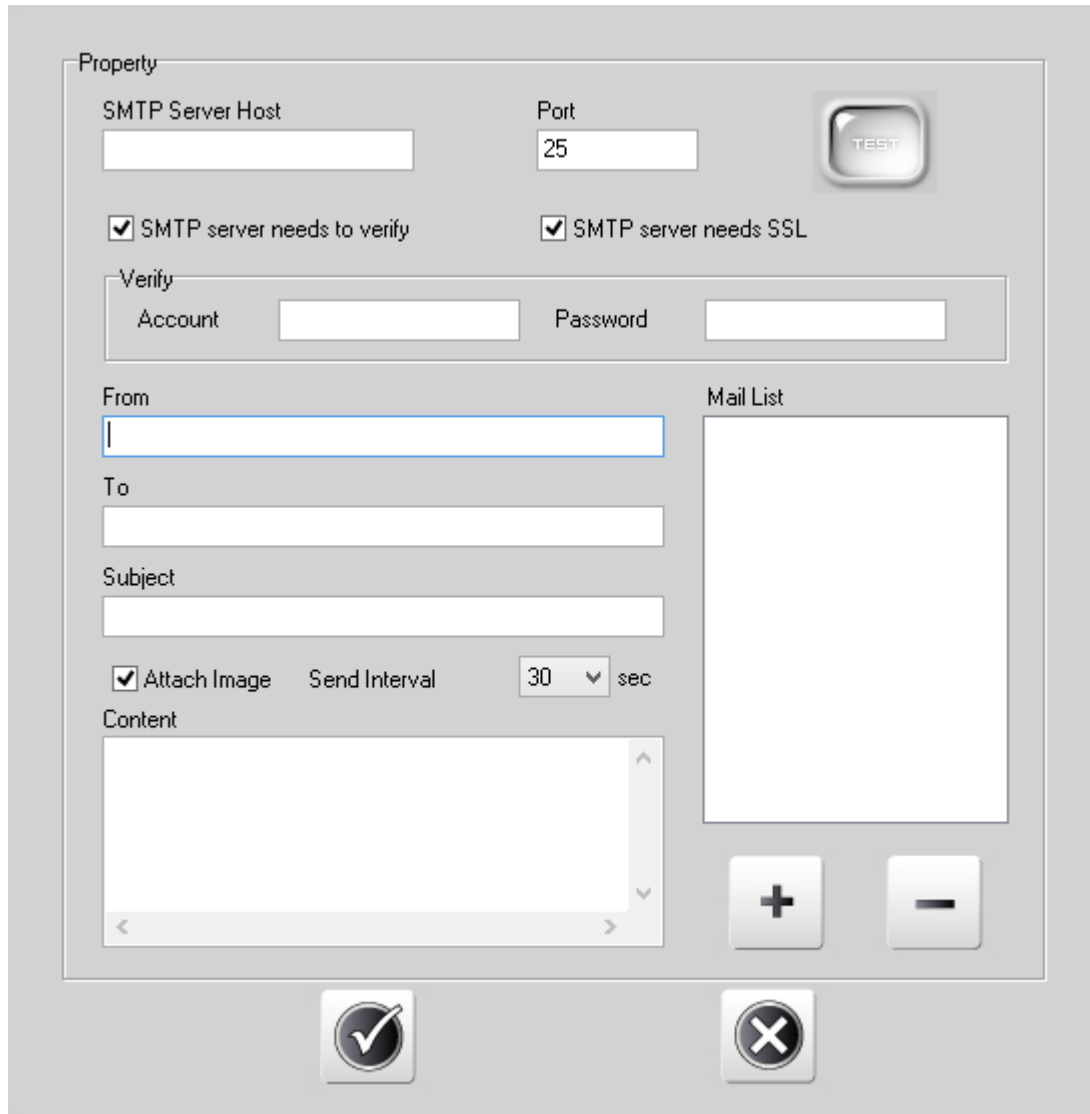


- b. Schedule Auto Reboot: Click  to set up the time to reboot automatically. IPCamera recorder will also restart automatically.



- c. Auto Run the Program on Windows Startup: Tick the box, and IPCamera Recorder will auto run at startup.

- d. Enable E-mail: Tick "Enable E-mail" and click  to set up the E-mail server and account information.



- (i) Fill-in the SMTP server host and port. If the server need verification, tick "SMTP server needs to verify" and fill in the user account name and password.

- (ii) Click to  test the e-mail service.

- (iii) The default value "From" is IPCameraRecorder. You can input any word you prefer. In "To" column, input the e-mail address that will be receiving the warning mail. You can set the subject and content of the email.

- (iv) The snapshot will be sent to the e-mail by ticking "Attach Image".
- (v) Send interval.
- (vi) For sending e-mail to more than one mail address, click then edit the e-mail address as you have done for the first one.
- (vii) Click to delete the existing e-mail from the sending list.

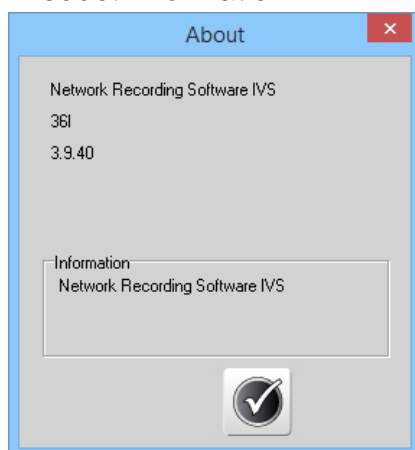
Note: The E-mail server will not send the e-mail and the attachment if the check box in the sending list is unchecked.

- e. Auto Logout: If you tick "Auto Logout", the system will automatically logout when there's no keyboard or mouse action during several seconds. Use the drop-down menu to set the idle time.
- f. Overwrite When Diskfull: If you tick the box, the old files will be overwritten when the disk is full. Otherwise IPCamera Recorder will stop recording when disk is full.
- g. Minimize Live Independently: If you tick the box, when you press "minimize" button in the live screen, the program will be minimized to the corner of the desktop. If you un-tick the box, the program will be minimized to the system tray.


8. Screen Split Setting

The used split screen pattern will be display on the right side of live page and on the "screen setup" option. Drag the right screen pattern to left to exchange the used and unused pattern.

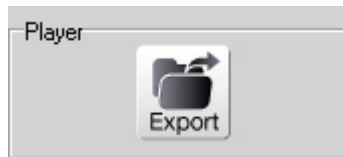
9. Product Information






Click the  icon for checking the software version information in the pop-up window.


10. Player



Click the  icon for the playback player to be exported to your PC. the PlayerAP interface is almost the same with the playback menu of IPCamera Recorder. You can use it to playback the recording video without starting IPCamera Recorder.

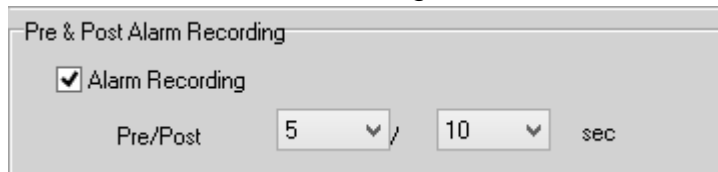
B. Channel Setup: General



Click  to enter system setup page.

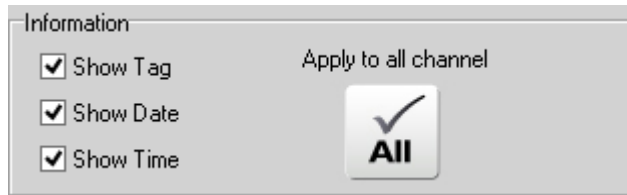
1. The Basic Setting and Image Setting had been introduced in the paragraph "[Channel Setup Page in IPCamera Recorder](#)"

2. Pre & Post Alarm Recording



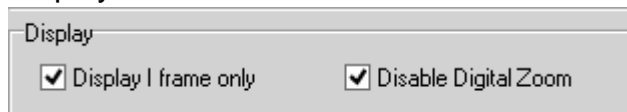
Tick it to enable alarm recording, and the video will be saved when the alarm is triggered. You can adjust pre-alarm recording time and post-alarm recording time.

3. Information



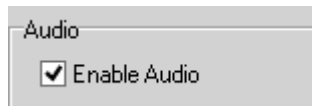
The channel tag, date, and time can be displayed on the live view as watermark.

4. Display



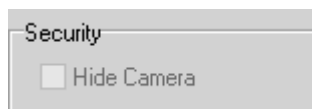
If "Display I frame only" is ticked, only I-Frame will be transferred and displayed in live view. If "Disable Digital Zoom" is ticked, the digital zoom panel will not show on bottom of the live view.

5. Audio



Tick it to receive audio from IP camera to your PC. The audio will be also included in the video recording.

6. Security




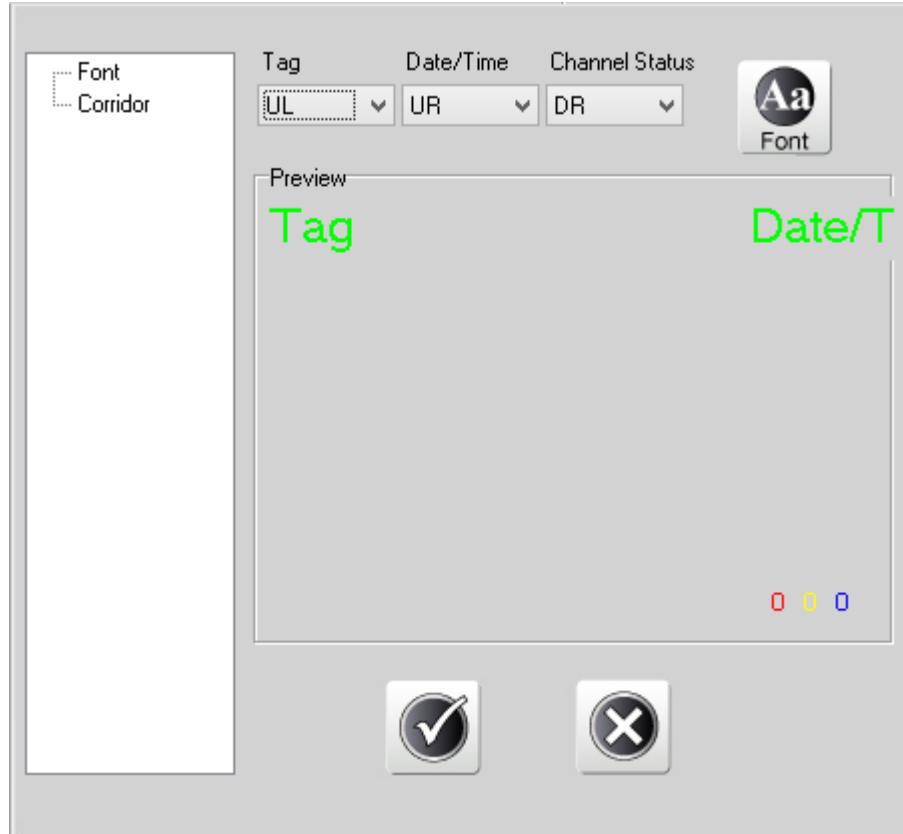
Tick "Hide Camera" Box so that the live video will not be display on the live screen. However, the alarm, recording, and other functions will still work. This function is not available in free version.


7. Advanced setup





Click  to setup the watermark location of the channel: Upper-left, upper-right, lower-left, lower-right.



Click  to change the font size, form, and color of watermarks.

NOTE: The advanced settings will apply to all the channels where the watermarks are enabled.

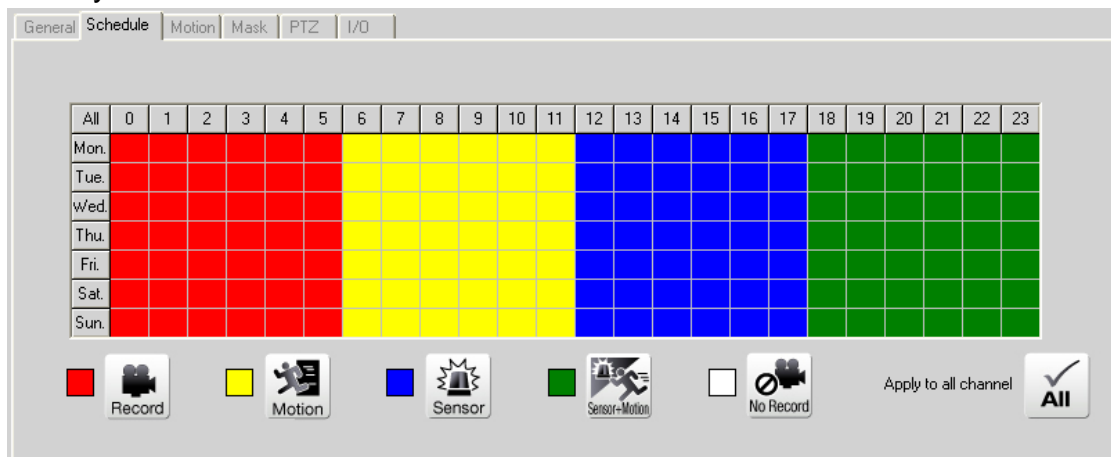
C. Channel Setup: Schedule, Motion Detection, I/O



Click **Channel** to enter the channel setup page.

1. Schedule

a. Daily Routine Schedule



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
Mon.	Red	Red	Red	Red	Red	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Blue	Blue	Blue	Blue	Blue	Blue	Green	Green	Green	Green	Green	Green
Tue.	Red	Red	Red	Red	Red	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Blue	Blue	Blue	Blue	Blue	Blue	Green	Green	Green	Green	Green	Green
Wed.	Red	Red	Red	Red	Red	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Blue	Blue	Blue	Blue	Blue	Blue	Green	Green	Green	Green	Green	Green
Thu.	Red	Red	Red	Red	Red	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Blue	Blue	Blue	Blue	Blue	Blue	Green	Green	Green	Green	Green	Green
Fri.	Red	Red	Red	Red	Red	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Blue	Blue	Blue	Blue	Blue	Blue	Green	Green	Green	Green	Green	Green
Sat.	Red	Red	Red	Red	Red	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Blue	Blue	Blue	Blue	Blue	Blue	Green	Green	Green	Green	Green	Green
Sun.	Red	Red	Red	Red	Red	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Blue	Blue	Blue	Blue	Blue	Blue	Green	Green	Green	Green	Green	Green

IPCamera Recorder provide different recording modes. You can arrange the timetable by yourself. Once you complete the settings in the calendar, the recording schedule will be applied to every day. Please follow the following steps:

- (i) Select the channel number you want to set up. Enter "Schedule" tab.
- (ii) Drag a period of time on the timetable, and click a recording type button to apply it to that period.



- **Record** : General recording



- **Motion** : Motion detection



- **Sensor** : Alarm



- **Sensor+Motion** : Motion with alarm detection

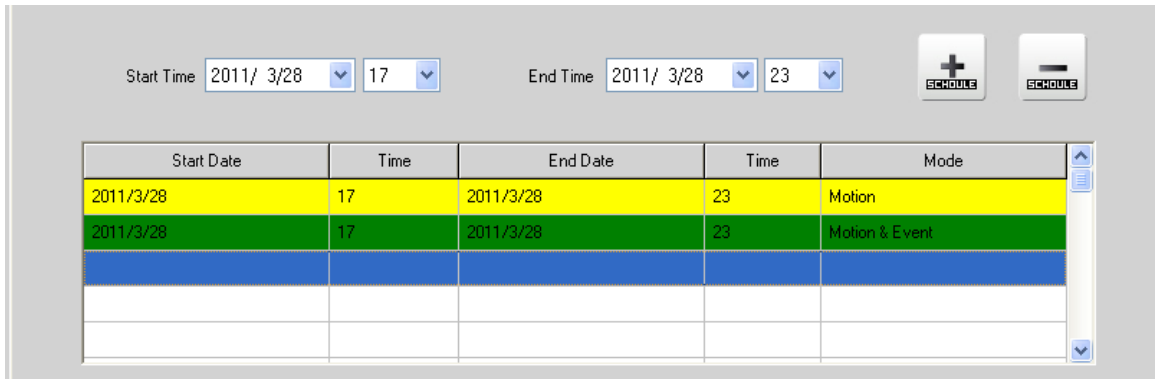


- **No Record** : No record




(iii) Clicking on the “All” button, the timetable will be applied to all the channels.






b.Exception Time Setting




When you face special holidays or activities that need different recording type, you can use the exception time setting. The exception setting has priority over the daily routine schedule. Follow the steps:

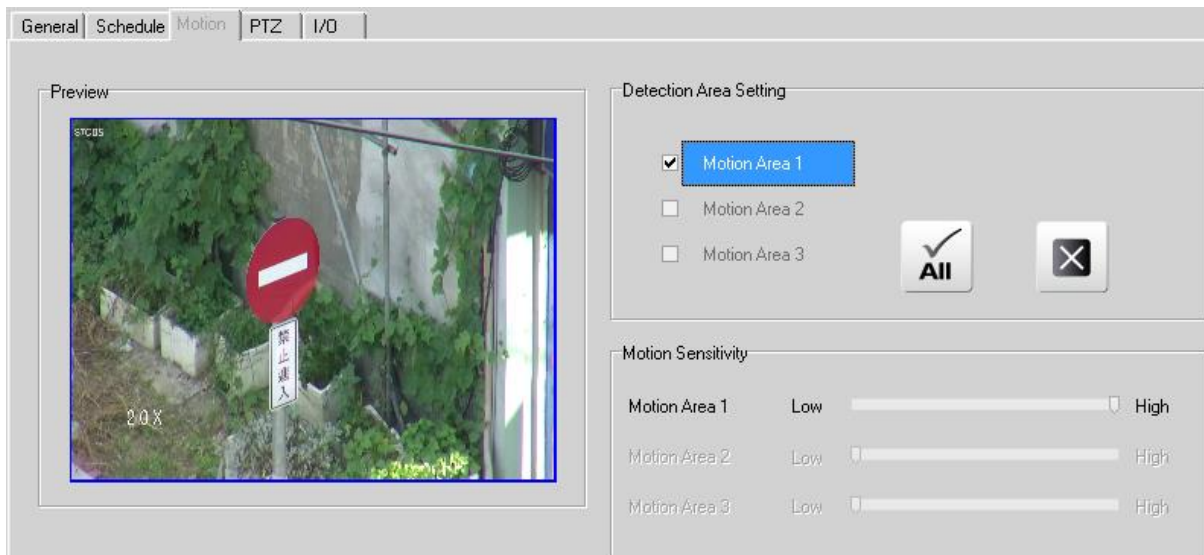
(i) Select from drop-down menu the date and time, then click on . The date will be added to the list.

(ii) When you select one date in the list, the row will start flashing.

(iii) Click on buttons      to set or change the recording type.

(iv) To delete, select date or time from the list and click on .

2. Motion



When the IP camera detects motion inside the set area, the icon of the channel will light to warn the user. Meanwhile, other alarm action could be executed. Follow the steps to set up motion area:

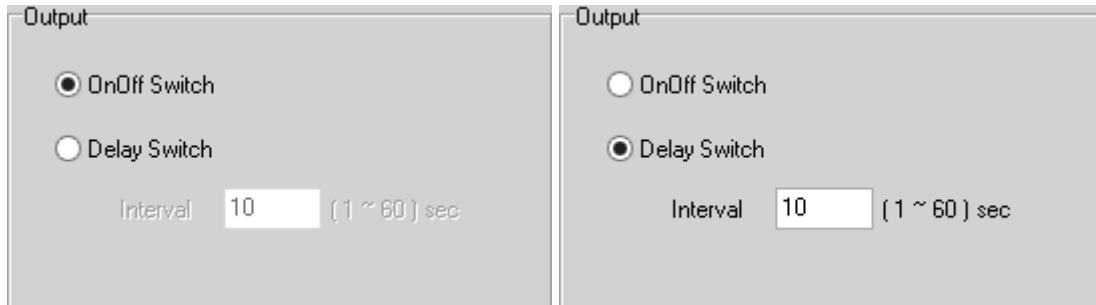
- Select the channel number you want to set up. Enter "Motion" tab.
- Tick "Motion Area" to enable the function and drag an area on the view. The selected area will be indicated in flashing frame.
- Adjust the sensitivity in the Motion Sensitivity column.
- Motion recording can be enabled in the schedule. Pre-alarm/ post-alarm recording time can be adjusted in "Pre & Post Alarm Recording". If you want to receive warning mail or warning sound, please refer to "[Motion Message](#)".

3. I/O setup

Select the channel number you want to set up. Enter "I/O" tab. The options here can work only when the connected device supports I/O functions.



To set up the actions when DI is triggered, please refer to "[Detect Setup](#)".

a. Output

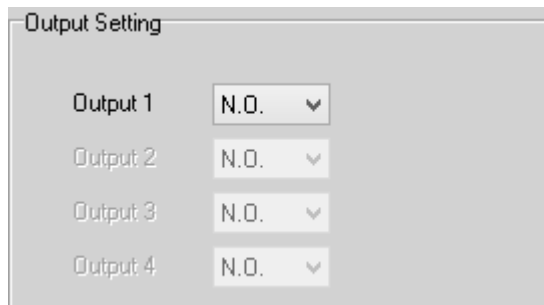


(i) Output mode

- **OnOff Switch:** The IP camera triggers the external device and lasts for a certain of time according to the event interval setting. You can turn off the alarm manually by clicking "off" at the right bottom of the live video page.
- **Time Switch:** The IP camera triggers the external device and lasts for certain of time according to the output interval setting, and the user is not allowed to break off the alarm manually.

(ii) Output test: After the external output devices is installed, you can use the "Relay Out" button  OFF on the bottom of live video page to test if it works. Click the button , the camera will trigger the external output device. In OnOff switch mode, it will last for several seconds according to your event interval setting, or you can manually break off the output signal by clicking the button again. In Time switch mode, it will last for several seconds according to your output interval setting, and you cannot stop it manually.

b. Output Setting




This option only works when you select "OnOff Switch" in output mode. Select N.O(normally open) or N.C(normally close) according to the external device you connect.

- N.O.: When the event occurs, DO & GND pins are connected, or COM & NO pins are connected.
- N.C.: When the event occurs, DO & GND pins are disconnected, or COM & NC pins are connected.

D. Channel Setup: PTZ, Panorama

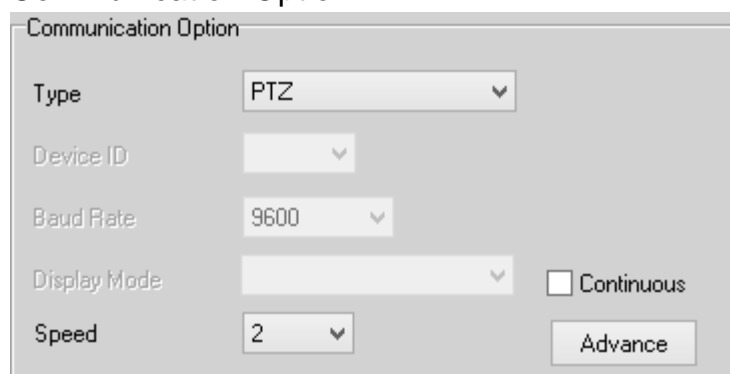


Click  to enter channel setup page.

1. RS485 Setting

Select the channel number you want to set up. Enter "PTZ" tab. The function can only work when you are connected with an IP camera supporting PTZ.

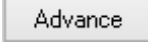
a. Communication Option

A screenshot of a 'Communication Option' dialog box. It has a title bar 'Communication Option'. Inside, there are several fields: 'Type' is a dropdown menu with 'PTZ' selected; 'Device ID' is a dropdown menu; 'Baud Rate' is a dropdown menu with '9600' selected; 'Display Mode' is a dropdown menu; 'Speed' is a dropdown menu with '2' selected. To the right of the 'Display Mode' field is a checkbox labeled 'Continuous' which is unchecked. At the bottom right of the dialog is an 'Advance' button.

When you connect to a video server that is connected to an IP Camera via RS485, set up the RS485 options. The type (protocol), device ID, and baud rate must be consistent with the settings on your camera, or it might cause a controlling failure. Display Mode is only active when the IP camera supports RJ45 connectors.

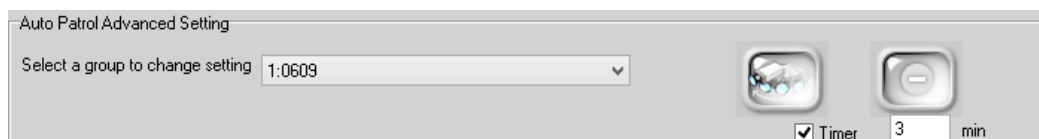
Speed is the moving range when you use the four-direction arrows. The bigger the value, the longer the moving range becomes.




b. PTZ Advanced Setting

Click on  to open up the Auto-Scan setting window.



c. Auto Patrol Advanced Setting



Click  to start auto patrol. Click  to stop it. The patrol route follows the patrol group setting on your camera. If you tick "Timer" and set it to 3 min, click  the button and the software will start patrolling in every 3 minutes.

d. Auto Scan

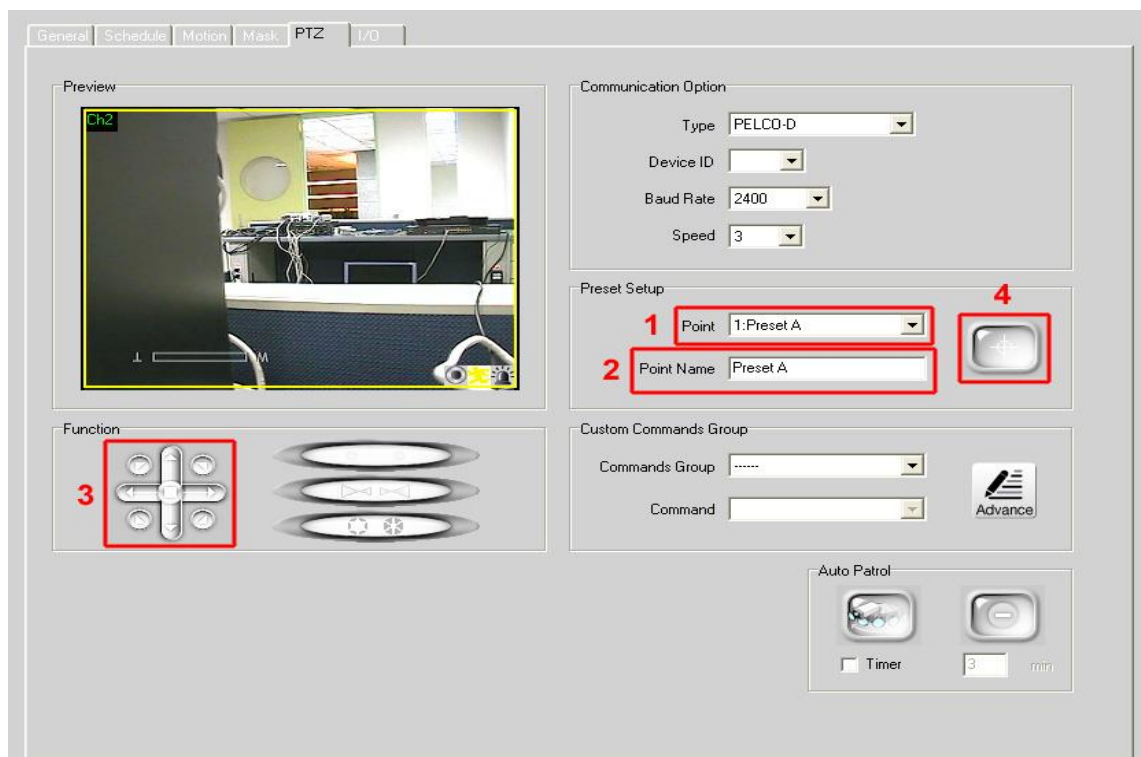
Auto Scan Advanced Setting

Run Period	Always	Pan Speed	1	Stop Time	15
Focus Mode	Manual Focus	Start Point	1:哲人20X	End Point	1:哲人20X
Focus Distance		Direction	Left		

Click to start auto scan. Click to stop it. The auto scan start and end point follow the auto pan settings of your camera.

2. PTZ setting

Only when you connect a PTZ camera and select its channel, you can see the PTZ options.



The screenshot shows the PTZ settings interface with the following elements:

- 1:** A red box highlights the 'Point' dropdown menu in the 'Preset Setup' section, which is currently set to '1: Preset A'.
- 2:** A red box highlights the 'Point Name' text input field in the 'Preset Setup' section, containing the text 'Preset A'.
- 3:** A red box highlights the 'Function' control panel, which includes a central cross-shaped directional pad and several circular buttons.
- 4:** A red box highlights a square button with a circular icon in the 'Preset Setup' section.

Other visible settings include:

- Communication Option:** Type: PELCO-D, Device ID: [empty], Baud Rate: 2400, Speed: 3.
- Custom Commands Group:** Commands Group: [empty], Command: [empty].
- Auto Patrol:** Includes a 'Timer' checkbox and a '3 min' input field.


a. Preset Setup

Use the drop-down menu to select a point set. You will see live view movement to the preset point position. When the auto patrol starts, the view will move from one preset point to the next one.

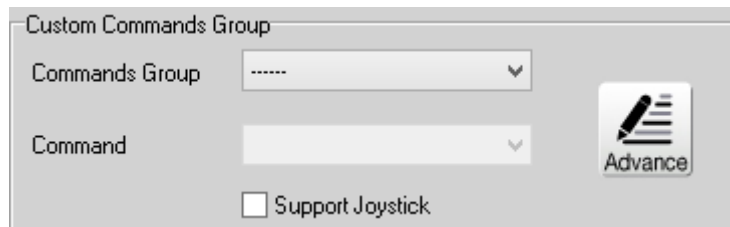
The following steps will tell you how to build a new preset point:

- (i) Select a preset point number.
- (ii) Set a name for the preset point.
- (iii) Use the four-direction arrows and focus/zoom for adjusting the camera to shot to the view you prefer.



- (iv) Click  to save it as a preset point. If it's successfully saved, the point name will be displayed in the point list.

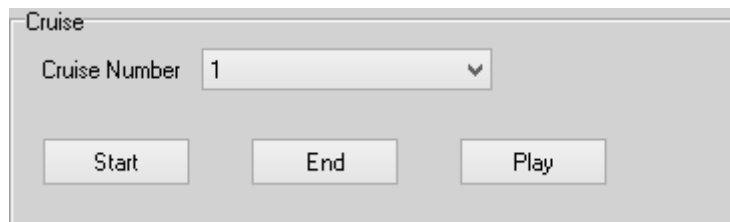
b. Custom Command Group


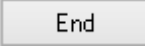



IPCamera Recorder supports PTZ custom commands when you connect to a video server. This function allows the user to add or define its own commands within the provided protocol. The user can create a new protocol as well.

The free version of IPCamera Recorder does not support this function.

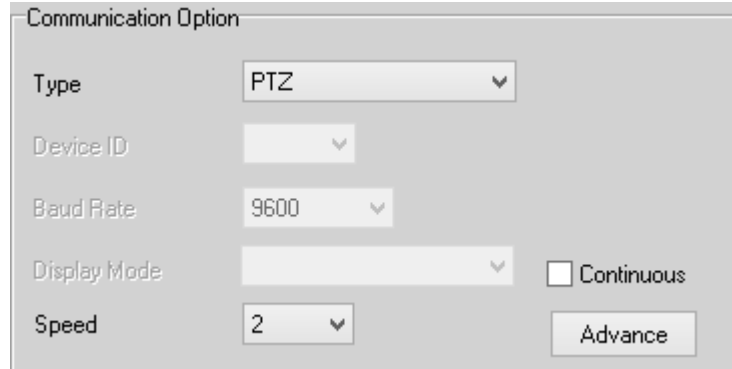
c. Cruise



Create up to 8 types of different movements assigned with 8 numbers. Click on  button to begin recording. Once you have finished making your preset points in Record Start, click on  button to stop. Click on  button to view the camera move in movements you have recorded. Choose different group of numbers from Cruise Number to perform at a time.

3. Panorama Setting

Only when you connect a hard-decoding fish eye camera and select its channel, you can see the Panorama options.



Communication Option

Type: PTZ

Device ID: [Empty]

Baud Rate: 9600

Display Mode: [Empty] Continuous

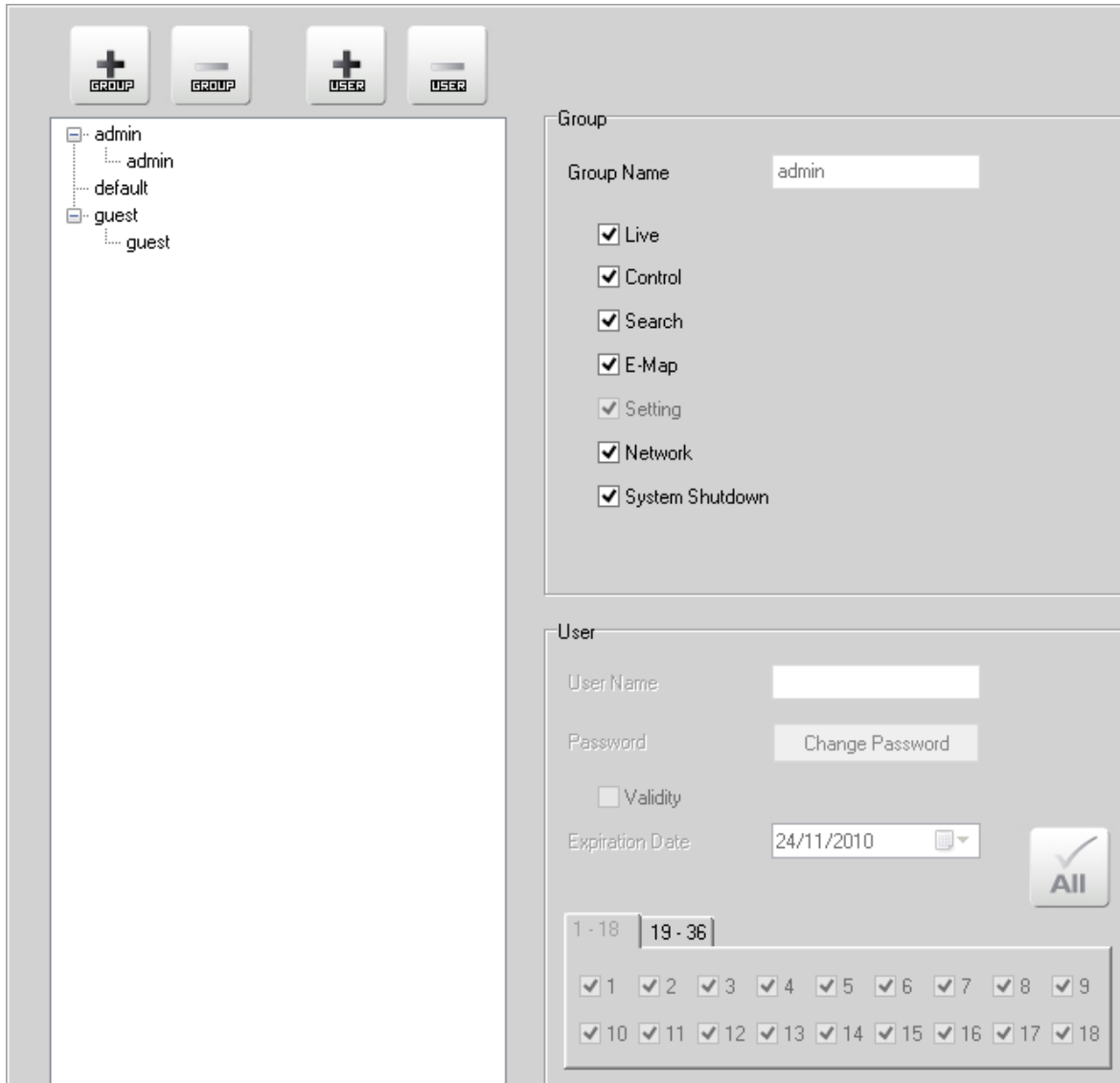
Speed: 2

- a. Type: According to your camera installing location, select "180 degree", "360 degree: Ceiling", "360 degree: Desk", or "360 degree: Wall".
 - b. Device ID: Select the sub screen number that you want to apply E-PTZ. The numbers and corresponding sub screens are shown in the diagram below. After you select a sub screen, you can use the 4-direction arrows to move the view to right/ left/ top/ bottom, and use the "+" "-" to zoom in/ zoom out.
 - c. Display Mode: There are various screen patterns for the users to choose. When you select different options, the number of split screens will change, and each sub screens will have different displaying mode and function.
 - **Panorama**: A 360 degree panorama view will show the whole scope of the camera shooting and will be displayed in a flat way. The left end point and right end point of the flat view are connected in the same place. A 180 degree panorama view scope is smaller than 360 degree and is displayed in near sphere-shape or in a flat way.
 - **Source**: The source video is a panorama view displayed in sphere-shape. The users cannot do E-PTZ control on source sub screen.
 - **E-PTZ**: Users can operate E-PTZ function on the E-PTZ sub screen.
 - d. Speed: The E-PTZ moving-speed. The option is invalid if your fish eye camera doesn't support speed adjustment.
-

E. User Setup







Click  to enter user setup page.



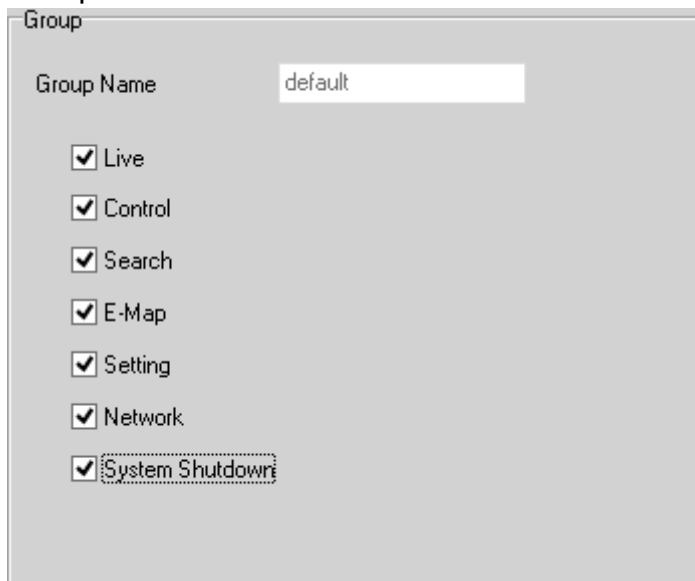
The screenshot shows the 'User Setup' page. At the top, there are four buttons: '+ GROUP', '- GROUP', '+ USER', and '- USER'. On the left, a tree view shows the hierarchy: 'admin' (with sub-item 'admin'), 'default', and 'guest' (with sub-item 'guest'). The main area is divided into two sections: 'Group' and 'User'. The 'Group' section has a 'Group Name' field with 'admin' entered, and a list of checked privileges: Live, Control, Search, E-Map, Setting, Network, and System Shutdown. The 'User' section has a 'User Name' field, a 'Password' field with a 'Change Password' button, a 'Validity' checkbox, and an 'Expiration Date' field with '24/11/2010' and a calendar icon. Below these is an 'All' button and a grid of checkboxes for individual privileges, numbered 1 to 18. The grid shows checkboxes for 1-18, with '19 - 36' also visible.

There are 3 default privilege profiles of account groups:

- Admin** : Have privileges of all system functions and devices. In particular, users can set the deadline privileges of other users.
- Default** : Have limited privileges of all system functions and completed privileges of assigned specify viewer of the camera.
- Guest** : All the privileges of system functions are forbidden, user could only manage assigned cameras.

- i. On the left side of the administration page, please check the authority type, key in the "Group Name" and click  to add the new Group to the list. Click  to delete the group.
- ii. On the right side of the administration page, please fill in the user name, password and select the group. Click  to add new user and click  to delete.

1. Group



Group

Group Name

Live

Control

Search

E-Map

Setting

Network

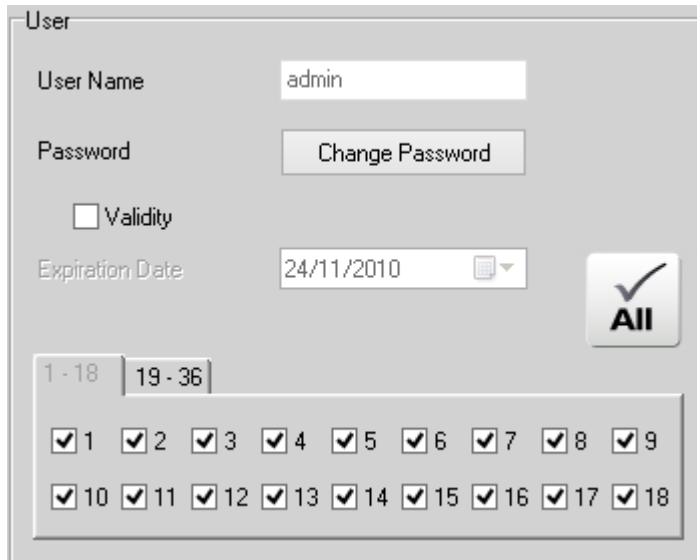
System Shutdown



In the free version, users are not allowed to create new user groups. However, you can change the authority options of "guest" group. Click "guest" in the list, for ticking or unchecking the authority box options above.

- Live: This option has no effect whether you tick it or not.
- Control: Control the PTZ panel on the live screen.
- Search: Enter playback mode and search the recording video.
- E-Map: The authority to call out E-Map.
- Setting: Call out the configuration page.
- Network: Access and log-in IPCamera Recorder via web browser or Remote Lite.
- System Shutdown: close the program.

Depending on the operation, a message dialog box may pop out to inform that the user is not authorized to conduct certain operations.

2. User



- a. Add new user: click  to add the new user to the list after entering username, password, and select which group the user may belong to.
- b. Delete existing user: Select the user in the list and click  to delete it.
- c. Edit username and group: Double-click the username in the list, and you can edit the name. Double-click the group name in the list to switch the group of the user.

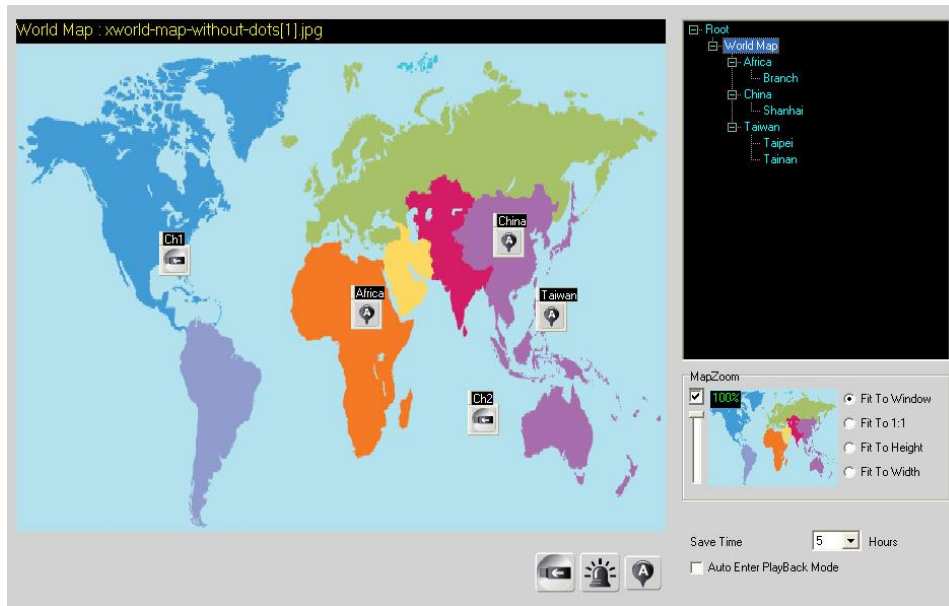
- 3. To switch the current user, click  on the left-bottom of the live screen and login again.

F. Disk Setup

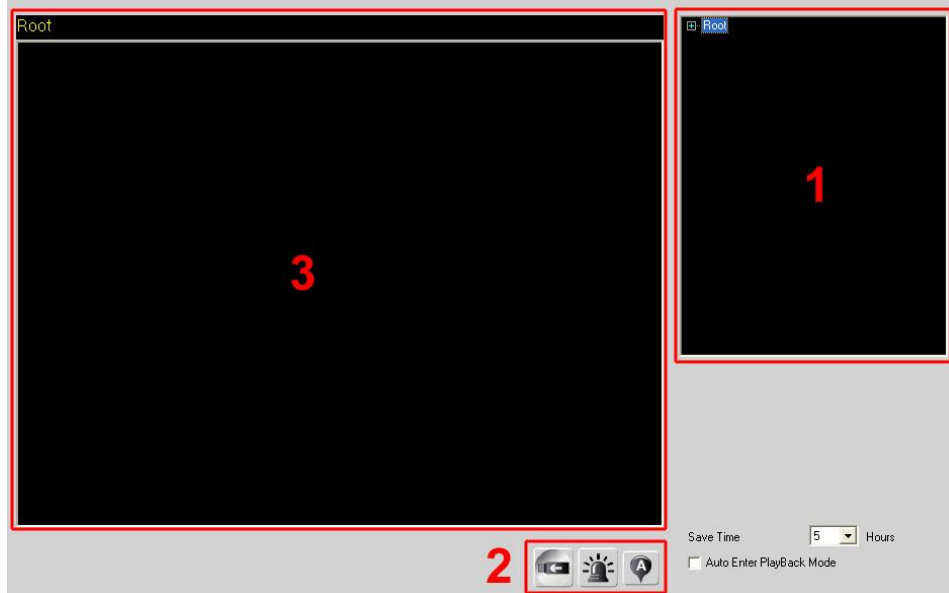
The content of disc setup had been introduced in the paragraph "[Set Up HDD for Recording](#)".

G. E-Map Setup

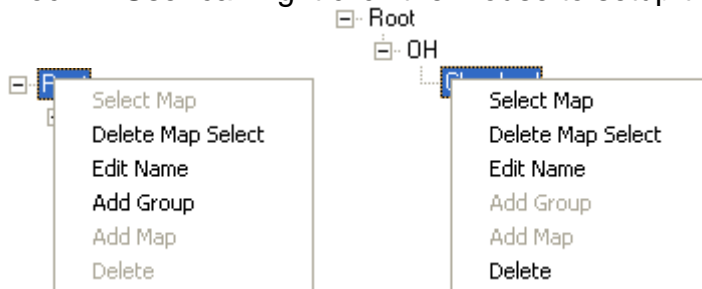
Click the button  to enter user setup page. Follow the steps to build E-map:



The screen of E-map setting will separate into three blocks to instruction.



Block 1: User can right click the mouse to setup the map



Block 2: The icon of devices which can drag and pull to the map.



: Add the alarm in the map. Click the icon can see the live view of alarm device.



: Add the camera in the map. Click the icon can see the live view of the camera.




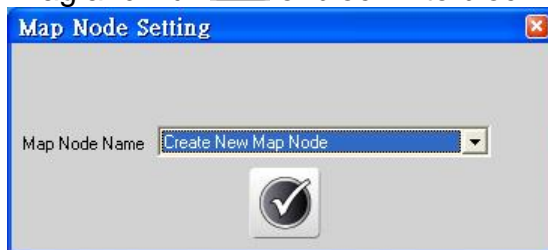
: Add the map in the map. Click the map icon will link to another map.


Block 3:

- i. Add the E-Map
The fundamental operating steps of add a new E-Map


a. Select the Node first to add a new E-Map. Such as “Root” node in the beginning.

b. Drag and Pull  of block 2 to block 3 and the following dialogue box will pop-up.



User can click  button to complete the setting or click the drop down list to select the map. After click the drop down list, then select "Create New Map (Not Link to Existed Map)" option. The following dialogue box will pop-up.



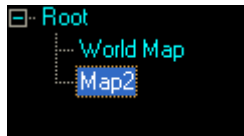
Click  button to select the image of the map and key in the name of new map in Map Node Name input field.

Finally, click  to complete the new map setting.




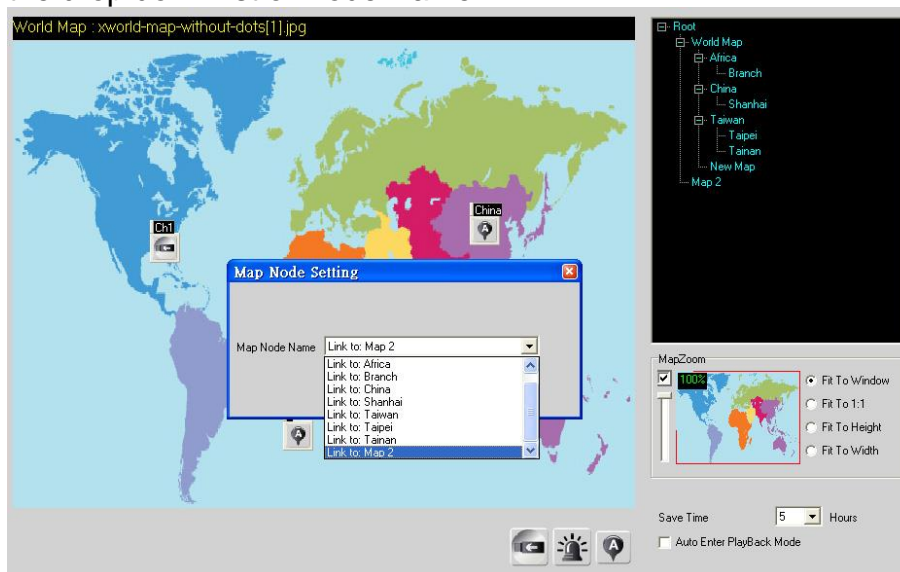
ii. Add the E-Map Link


The fundamental operating steps of add the link for exist maps. (* Make sure there are more than two maps). There are two maps that can be set up.

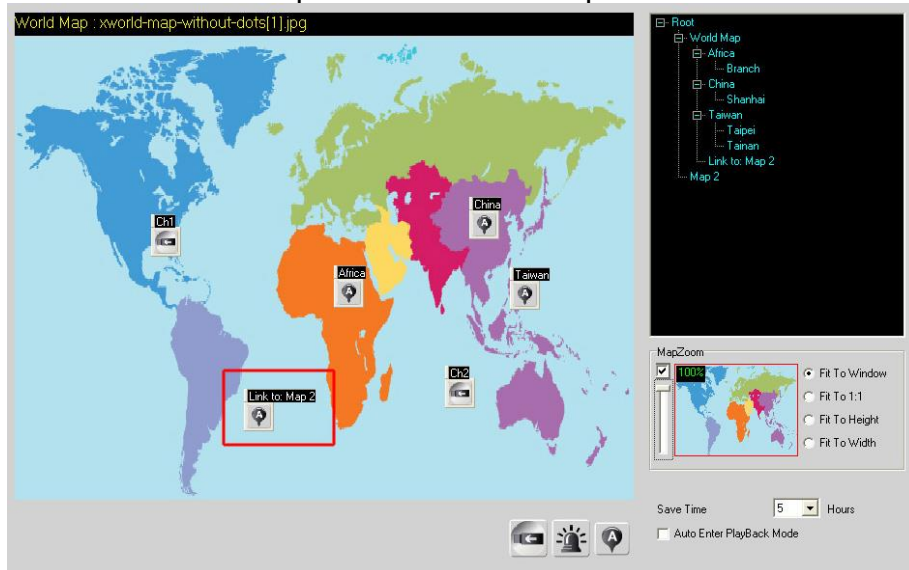


If the user wants to create a link of one map into another map, such as the link of "Map2" in "World Map" in above image, please follow the following steps.



- a. Please click the map in Block 1 which wants to add the link from another map. (i.e. World Map)
- b. Drag and pull the  icon form Block 2 to Block 3, and then select "Map 2" in the drop down list of Node Name.







- c. Finally, click  button to complete the map setting. As the following image, there is a link of “Map2” in the “World Map”.






iii. Add the camera and the sensor


After complete the map setup, drag and pull the icon of camera and sensor ( ) to put the camera & sensor on the map. Moreover, right-click of the mouse on the camera can select the channel number. According to the NETWORK RECORDING SOFTWARE series version, there are different numbers of camera and sensor can be setup. Based on the 36 version for example, not only there are 36 cameras and sensors can be selected, but the direction of the camera can be chosen.

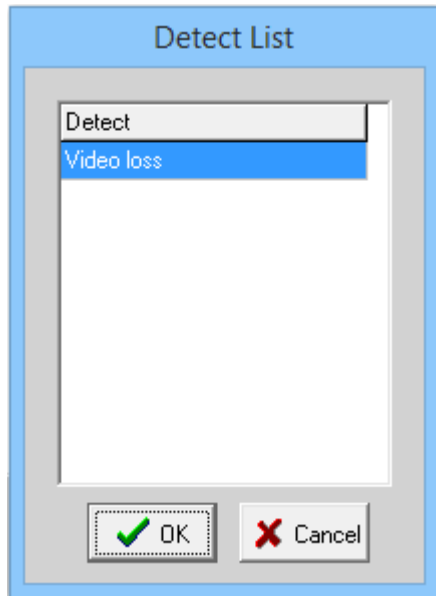
The fundamental operating steps of add the new camera.

- Select the map on Block 1 first. Such as “World Map”
- Drag and pull the  icon from Block 2 to Block 3.
- Select the channel number of the camera .
- Moreover, select the direction of the camera .
- Finally, click the  button to complete the camera setup.

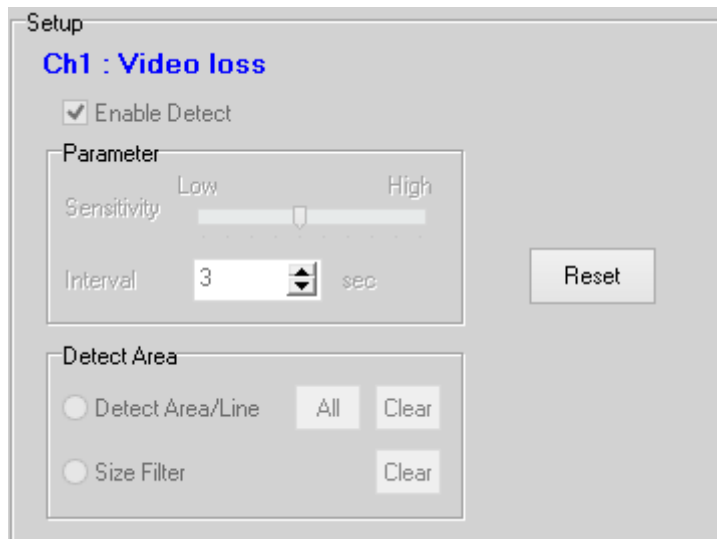
The fundamental operating steps of add the new sensor.


- Select the map on Block 1 first. Such as “World Map”
- Drag and pull the  icon from Block 2 to Block 3.
- Select the channel number of the sensor .
- Finally, click the  button to complete the sensor setup.

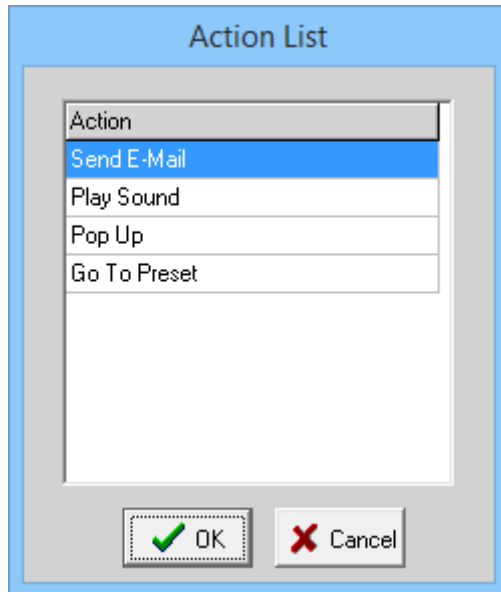
1. Left hand side of screen will display all the channels which have been connected to the cameras. Click  to activate the following window.



2. When you click the detection item (video loss or DI) in the tree menu, the corresponding settings will show up on the right bottom of the page.



3. To add the actions, click  and select one or several actions from "send E-mail", "play sound", "pop up", and "go to preset".



a. send E-mail



When video loss is detected or DI is triggered, a mail will be sent to appointed E-mail address.

To set up the mail server and account information, please refer to "[Auxiliary Functions](#)" in the system setup page.

b. play sound

When video loss is detected or DI is triggered, the PC will play sound for warning. You can choose buzzer sound or to play a sound file in your PC.



Click  to set the sound file directory, and then you click  to test it.

c. Pop up

When video loss is detected or DI is triggered, one channel can pop up to full screen. Select the pop-up channel and give lasting time.


The screenshot shows a 'Setup' window titled 'Ch1 : Video loss - Pop Up'. It contains two controls: a 'Ch' dropdown menu with '1 : Ch1' selected, and a 'Lasting Time' input field with '0' and 'sec' next to it.

d. Go to preset

When video loss is detected or DI is triggered, the view can be moved to preset point if it's a PTZ camera.

The screenshot shows a 'Setup' window titled 'Ch1 : Video loss - Go To Preset'. It features three dropdown menus: 'Ch', 'Preset' (with '.....' selected), and 'Interval'. To the right of the 'Preset' dropdown are two buttons: a '+' button and a '-' button. Below these controls is a table with three columns: 'Ch', 'Preset', and 'Interval'. The table has one row highlighted in blue, which is currently empty.

Ch	Preset	Interval

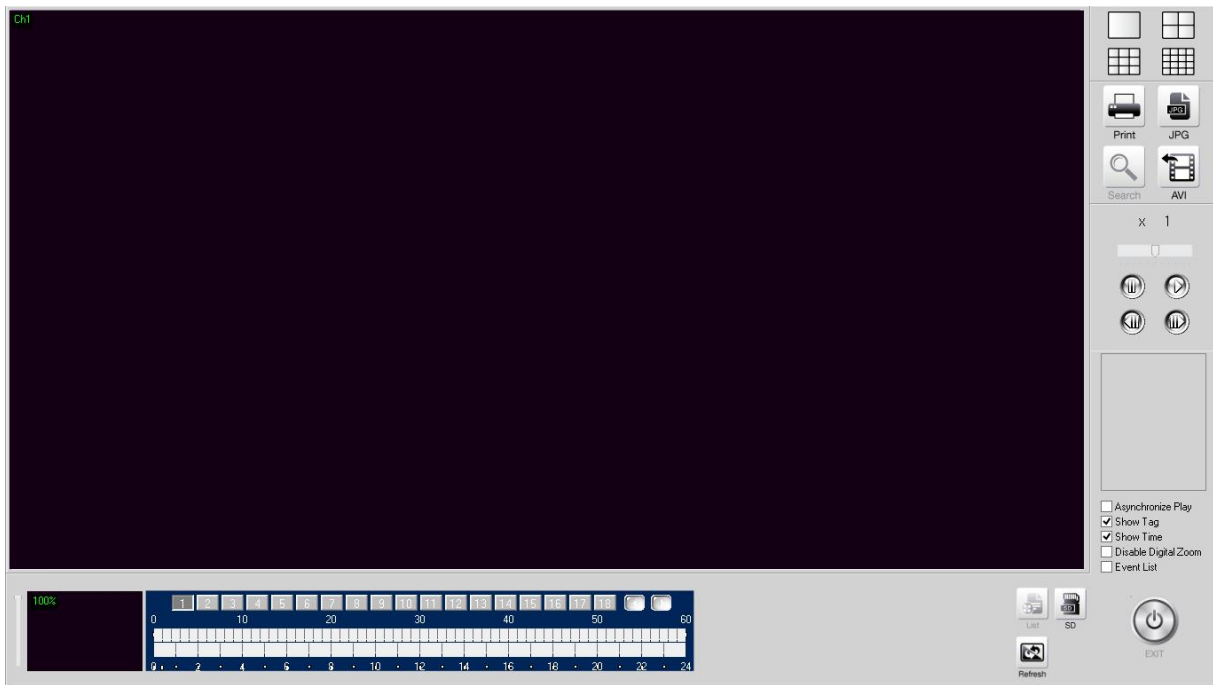
Select the PTZ channel and the preset point, and then click  to add the preset point to the list.

VII. Video Playback



Click **PLAYBACK** to enter video playback mode. The following example is based on 36CH version, yet you can always relate to other channel versions since they share the same interface, apart from screen formats.

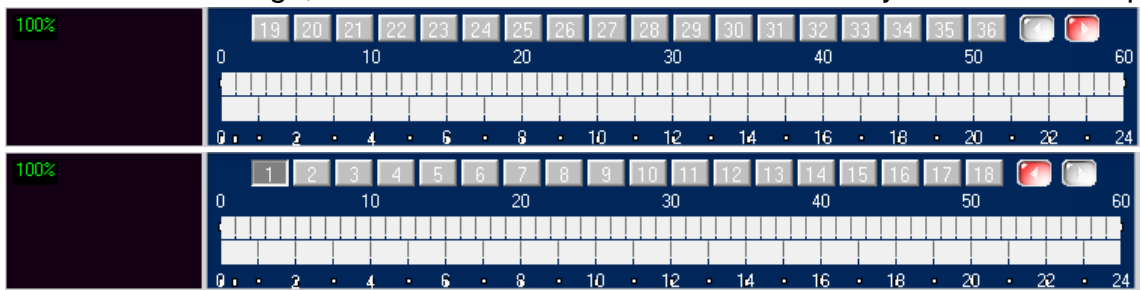
A. Playback



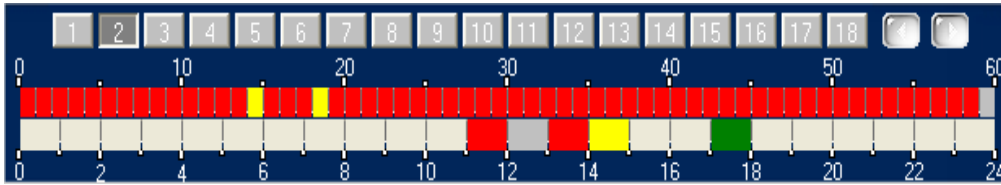
1. Select the date on the calendar. As shown in the following figure, the “day” means there are recorded videos on that day. For example, there are videos in 2010/05/24.



2. After selecting the date, please click the arrows (highlighted in red) to switch the video channel range, and click on the number of the channel you would like to play







3. When choose the date and video channel, it will show the recording status.



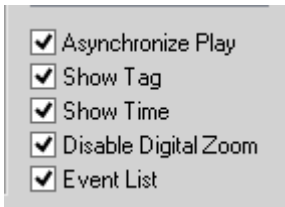
- White: No video data.
- Red: Normal recording data.
- Yellow: Motion-triggered recording data.
- Blue: Alarm-triggered recording data.
- Gray: The time period you choose to play.
- Green: Detect triggered recording data.

4. Click  to start playback. Click  to pause the playback

Click   to speed up. 1x, 2x, 4x, 8x, 16x and 32x available (depends on the hardware and total channels).

Click   to go to previous/ next frame.

5. Other options



- Asynchronized Play: Check to enable each channel to play the video from different time and date.
- Show tag/ Show time: Check to enable display of tag & time as watermark on each channel.
- Disable Digital Zoom: Check to hide the zoom panel and display the video in original size.
- Event List: Check to enable the event log.

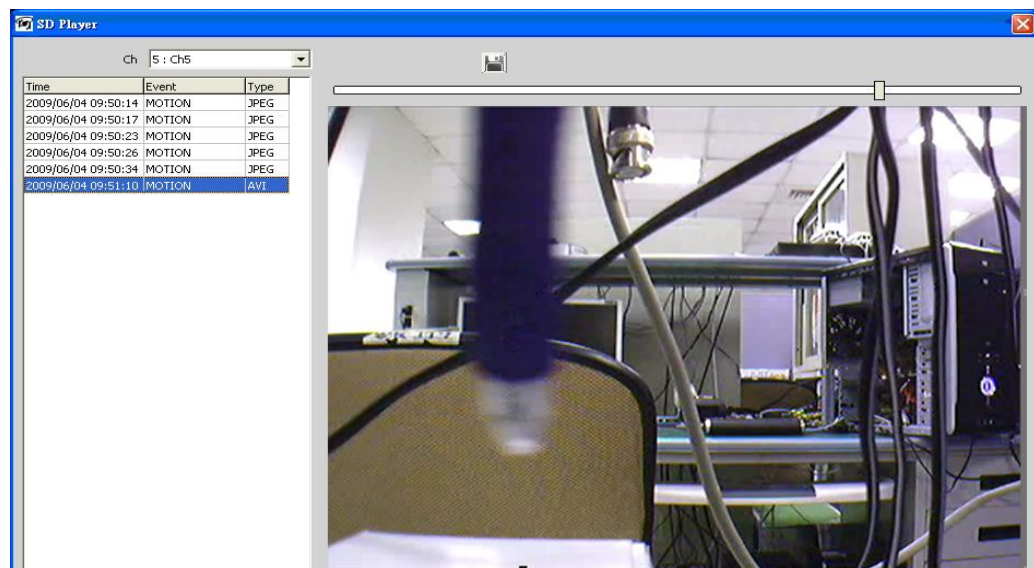


- **List** : Video List. This function is not supported in free version of the IPCamera Recorder.



- **SD** : Click to play the video data from the SD/Micro SD card installed on the camera. An SD Player window will pop up.

The left hand side of the player window presents all the information which is reserved in the SD card, such as time, event and recording type (JPEG/ JPEGs/ AVI).



Click  button to save as the playback item.




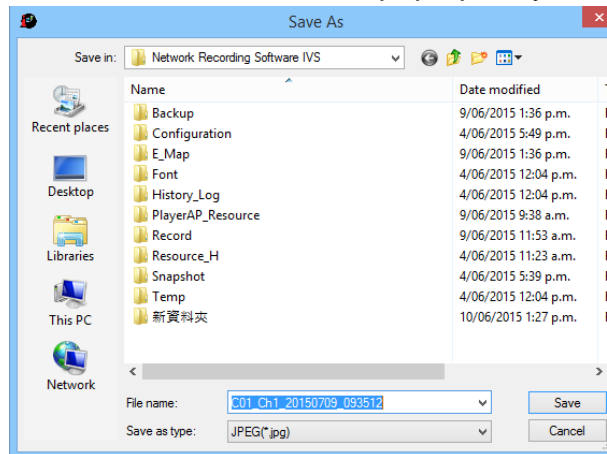
- **Refresh** : Refresh. When you stay on the playback screen, the time bar will not refresh itself automatically. If IPCamera Recorder keeps recording when you are on the playback screen, click this button to refresh and a newest video record will be added to the time bar.

B. Exporting Video

During the playback, you can take a snapshot or video clip and export as a .jpg or .avi file.

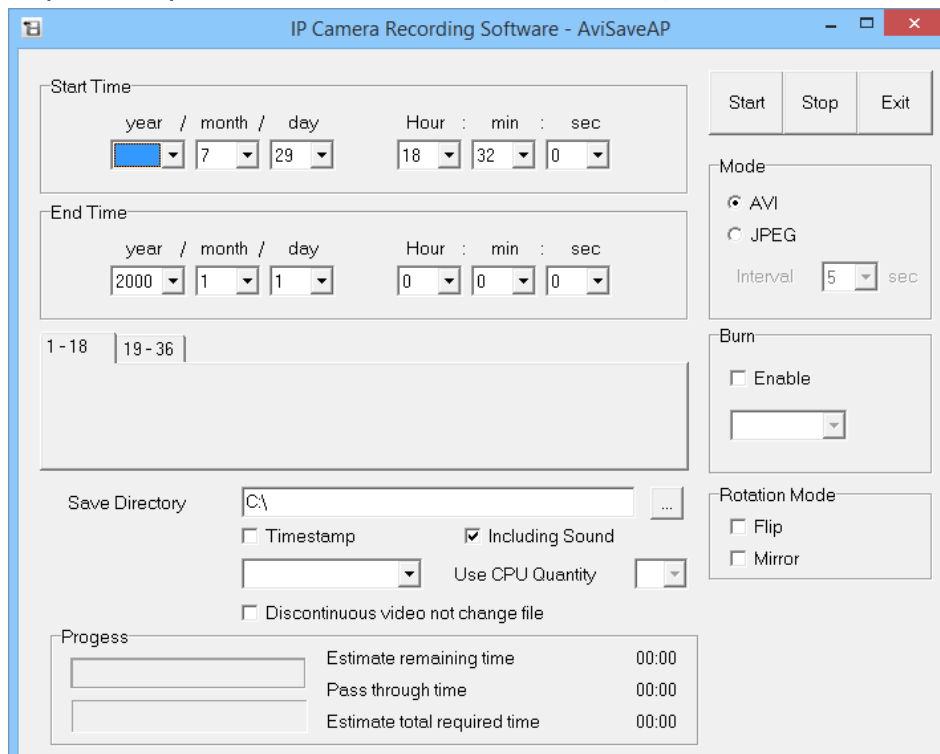
1. Export as JPEG format: To avoid errors, it is recommended to take snapshots under a single channel view.





- a. Click . A window will pop up for you to set the file saving directory.



- b. The filename will be “channel number_yyyymmdd_hhmmss.jpg”.


2. Clip and export video: Click . The following dialogue box will pop up.



- a. Click  to start the procedure after setting the Start Time, End Time, video channel, and the directory to save the video.
- b. To record voice, please check “including Sound”. 
- c. It exports the video into different AVI files for each channel if multi-channel has been selected.
- d. Click  to start exporting the video. The “Progress” column shows the processed frames and time.
- e. Click  for pausing the video exporting.
- f. The exported video file can be opened by any player with an AVI decoder.

3. Print the screen



To avoid errors, it is recommended to print under a single channel view. If you are under split screen view, click on the channel that you want to capture. The channel will be indicated with a white frame.

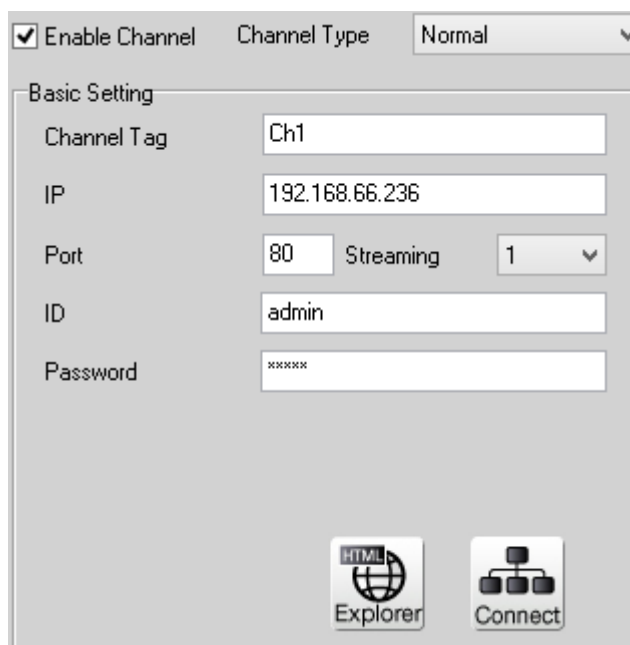
Click Print icon  and select your printer, the picture will be printed out.

VIII. Remote Monitor

The user can use webpage browser or Remote Lite program on another PC to access IP Camera Recorder and watch the same live video with the local user.

A. Live Monitoring via Web Browser

1. Click the configuration button  to enter the setup page. Click  to enter the system setup page. Above the "Basic Setting" column, tick the box "Enable Channel". The default port is 80, you can change it as well.



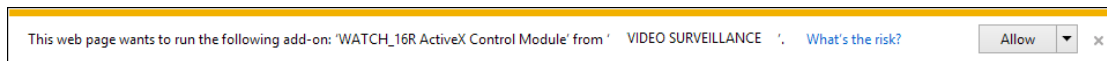
2. Start your web browser by clicking on , and access the IPCamera Recorder local IP address. For example, if the local IP address is 192.168.1.159 and the web server port is 90, key in "http://192.168.1.159:90/" in the address bar of browser.

Note: For the Windows Vista/ Win7 user, please right click on the web browser icon and select "Run as administrator" to start the browser.

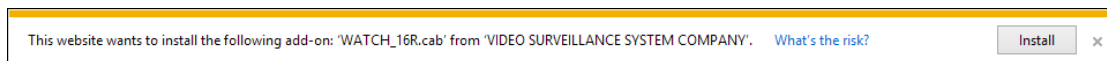
B. Web Browser Setup and ActiveX

When viewing the camera video via IE for the first time, it will ask you to install the ActiveX component. As shown in the picture, right-click the warning message and select “Install ActiveX Control”.

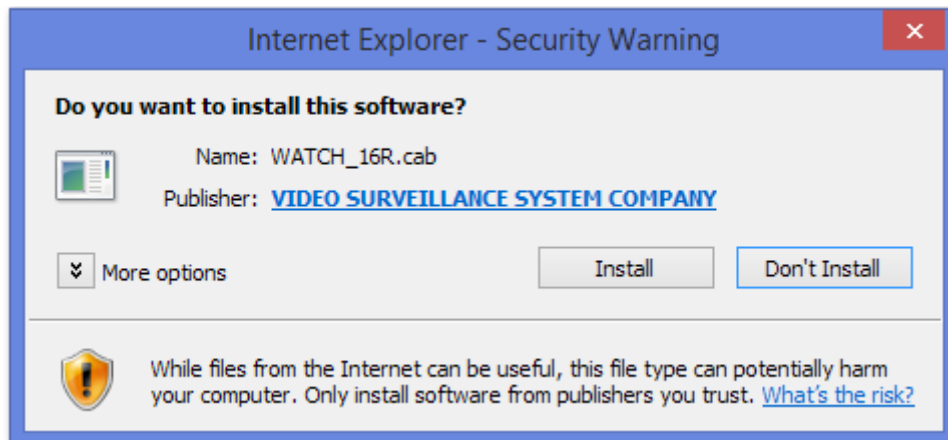
Choose ‘Allow’,






Then choose ‘Install’.



Start installing the ActiveX component.



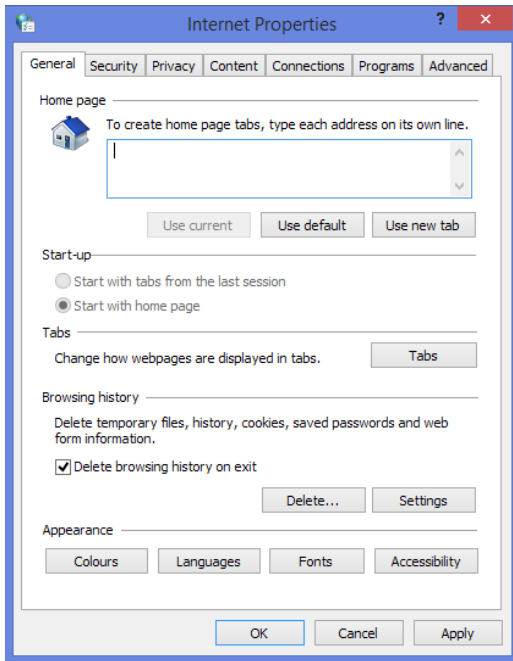
If the installation fails, please check the security settings in the IE browser.

Go to **Start-Up Menu**  on the lower left corner of the **Windows**, select **Control Panel**  then Double-click on  **Internet Options** to access to **Internet Properties** settings.

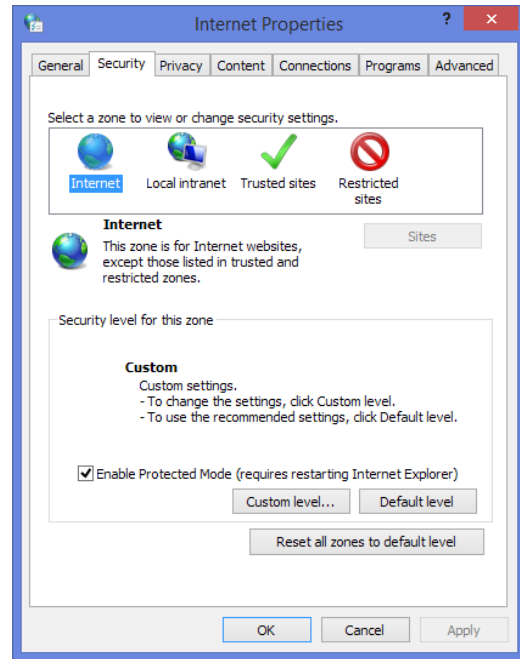
Starting from **Internet Properties**, proceeding step **A** and **B**:

- A. Security → Custom Level → Security Settings → Download unsigned ActiveX controls → Enable or Prompt (recommended).
- B. Security → Custom Level → Security Settings → Initialize and script ActiveX controls not marked as safe → Enable or Prompt (recommended).

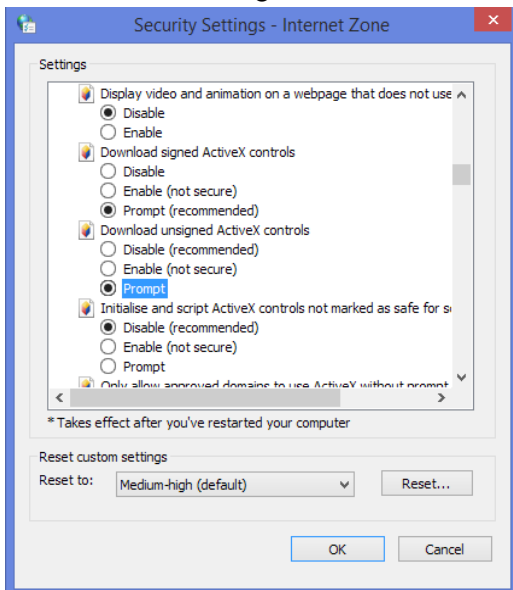
1



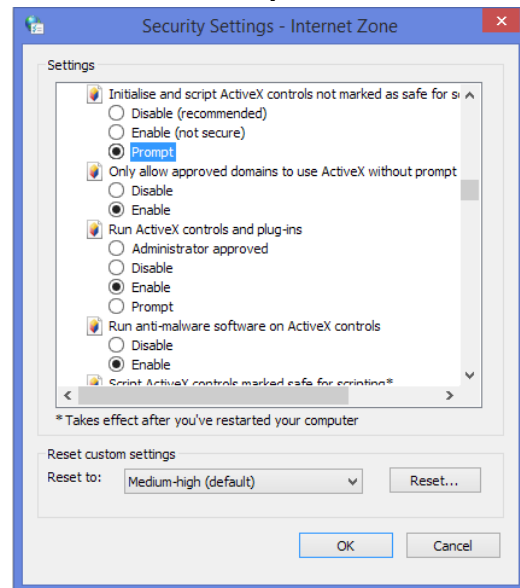
2



3

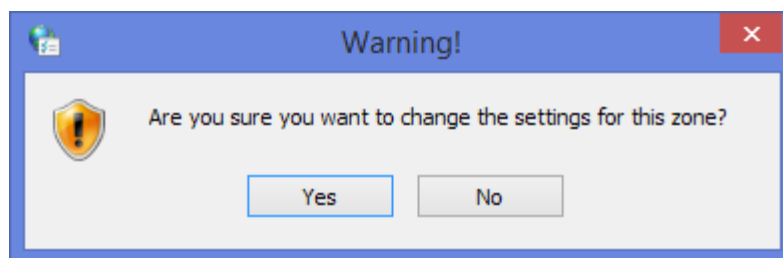


4



5

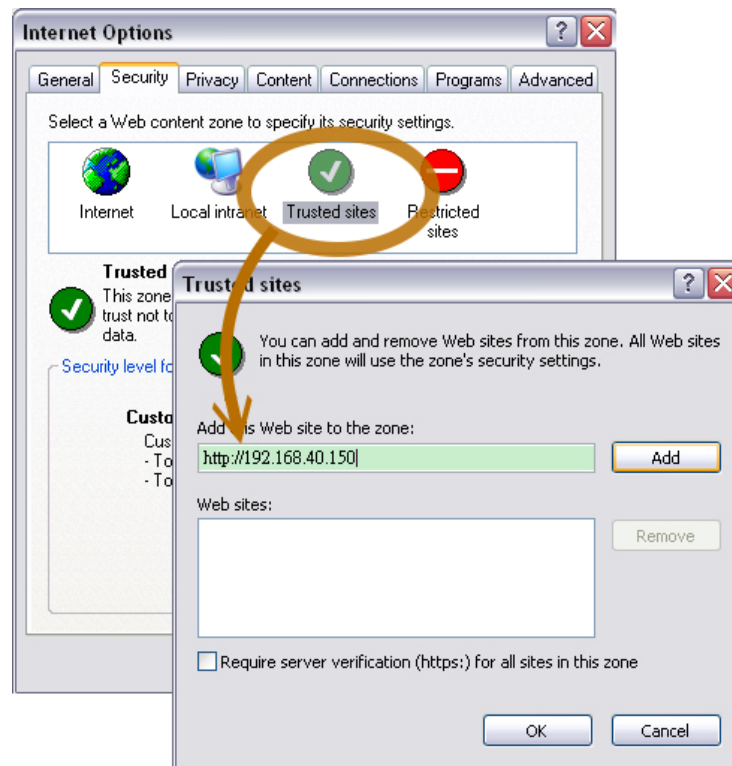
When popup the following dialogue box, click **Yes**.



2. You can choose another way:

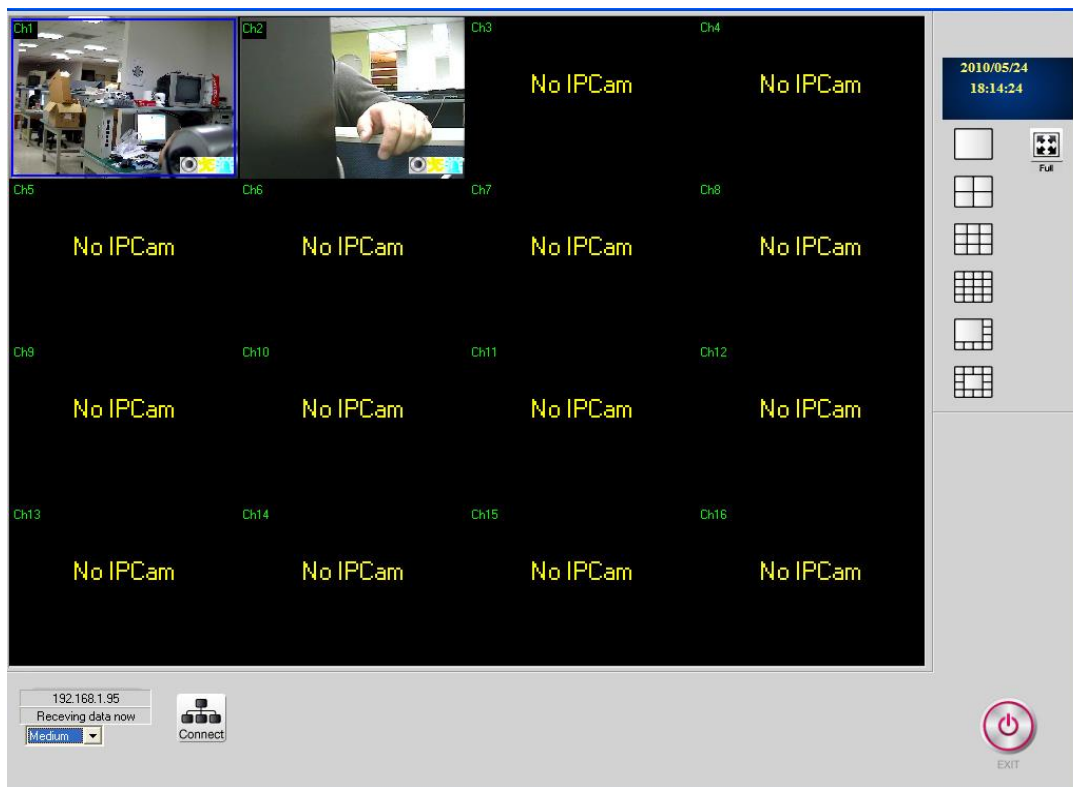
Go to: IE→Tools → Internet Options... → Security Tab → Trusted sites → Add the IP address and click **OK**.

In the site list you can key one single IP address or a LAN address. For example, if you add **192.168.21.***, all the IP address under **21.*** on the LAN will be regarded as trusted sites.




C. Live Monitoring via Remote Lite



Remote-Lite is video recording software which is different from Network Recording Software series. Basically, Remote Lite is designed for live-viewing only. It is not allowed user to playback or to change any setting. The Remote Lite is not installed within the Network Recording Software series; instead, it is exported by the Network Recording Software series. User can select each channel or part of them to export. In Windows Vista, please right-click on the remote lite program, then select “Run as administrator” to start the program. Please refer to following example which is based on 36CH Network Recording Software.

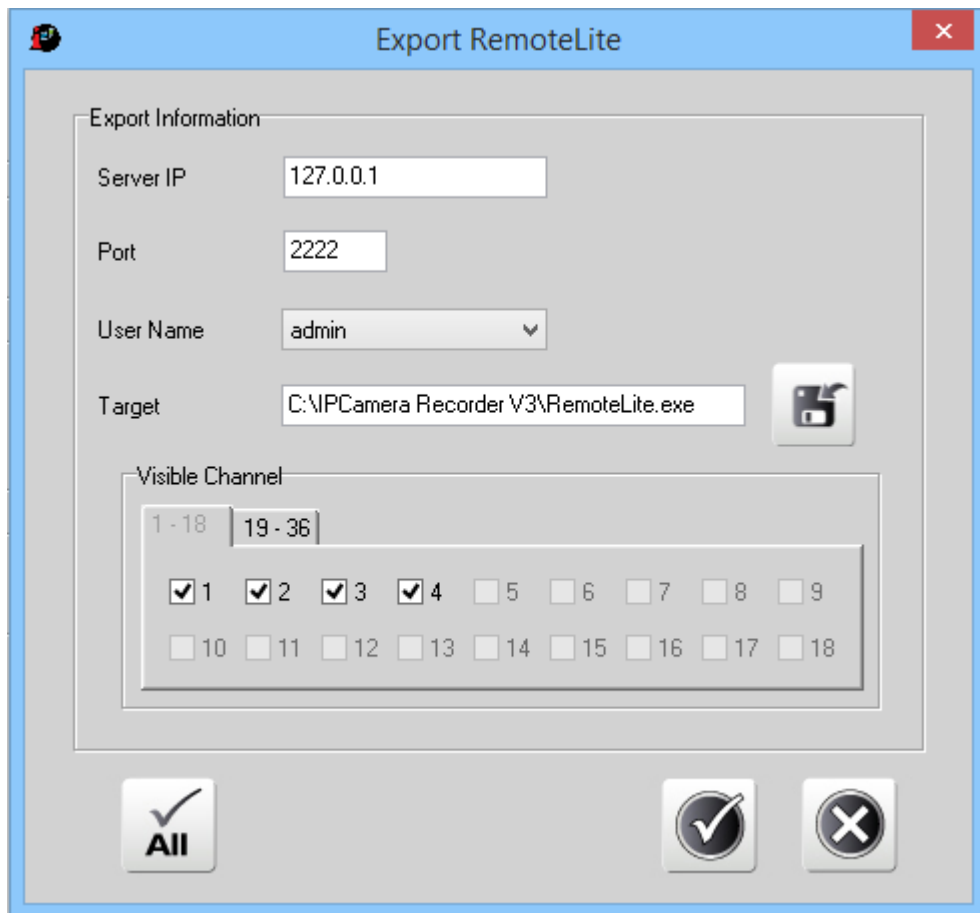


Remote Lite supports multi-channel, full screen, and network connection setup.

To gain connection, click  on the lower-left. User can select different transmission speed (Fast, Medium and slow). The speed of server will be the same as Remote Lite.

Exporting Remote Lite :

- i. Get into main setup page then click .
- ii. Within “Remote Lite Application”, please click  to open Remote Lite setup page. Please refer to following figure(36CH based).




Sever IP/Port : The network location & the access port of the server.


User Name : The available names are preset by main program. Users should be authorized to gain access to the main program with Remote Lite.

Target: Set up the program file installation directory.

Visible Channel : User can select each channel intending to export. Click

 to select all channels. Click  again to cancel the selection.

Note : After finishing above setting, user can click  to name the exported program. The administrator can export different Remote Lite

programs to meet different users' needs. Finally, click  to export the Remote Lite program.

IX. Configure Tool

Select "Start" -> "Program" -> "IPCamera Recorder" -> "Tools" -> "Configure tool".

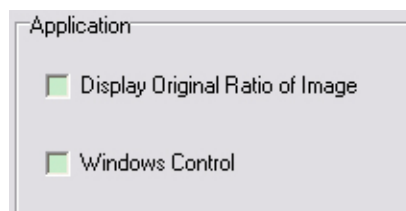
In Windows Vista/ Win7, right-click on the desktop short cut or configure tool, then select "Run as administrator" to start the program.

A. Channel

Please refer to "[Connect with IP Cameras or Video Servers](#)".

B. System

1. Application



a. Display Original Ratio of Image

Enable this function; the image will keep original aspect ratio itself when image aspect ratio is different from split screen. Disable the function, the image will be adjusted to full of split screen.

b. Window Control

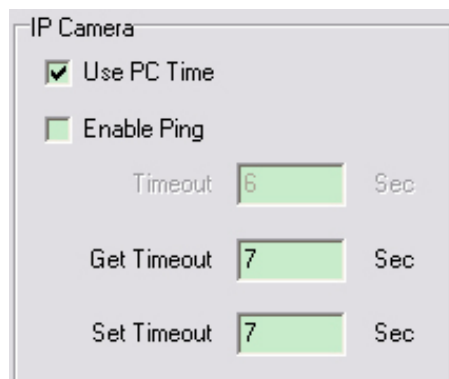
This function is only available on the monitor with a resolution larger than 1024 x 768. This function cannot be combined with “Auto Adjust Resolution”. When this function is enabled and the monitor resolution is over 1024 x 768, the user is allowed to drag the window to the proper position.

2. Use Overlay



Overlay mode can reduce the PC loading, and help keeping good video performance. Disable the overlay function if your graphic card doesn't support the function.

3. IP Camera



a. Use PC Time

By enabling this function; the video recording time will be based on the PC time setting. By disabling this function, the recording time will be based on the devices (IP camera) setting.

b. Enable Ping

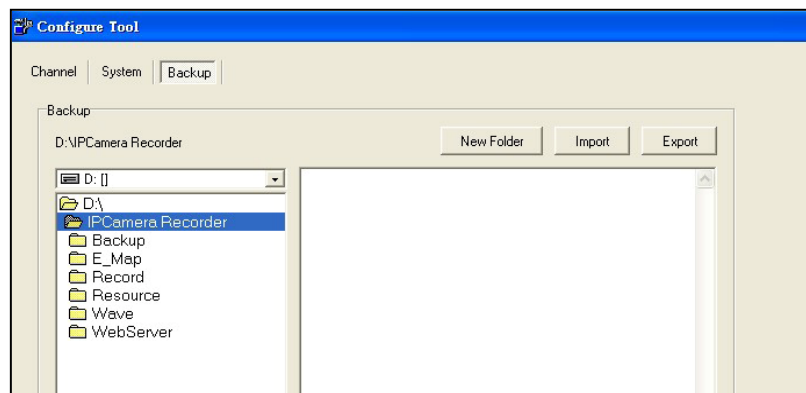
By enabling this function, IPCamera Recorder will ping the IPCam / video server before it tries to connect with it. If the camera you want to connect is not in the LAN or does not exist, it will take long time to wait for an answer. If we ping the camera instead, we can know in a short time whether the camera exists. Sometimes the cameras are protected by a firewall and the ping function is prohibited, for those cases disable this function.

c. Get Timeout / Set Timeout

When a command sent from PC to camera and got no feedback in the appointed "timeout" second, the software considers the device give no answer and report it to the users. This function can shorten the waiting time for a device answer. However, if your Internet is not stable, a too short "timeout" setting may cause misjudgment.

C. Backup

The IP Camera Recorder configuration file can be saved to your PC. It can be used to maintain the software, or be copied and applied to another IPCamera Recorder.



(i) To export the setting file, select directly the file saving, and click "Export".

(ii) To import the setting file, find the file in your computer, and click "Import".

X. Software Specification

Main Features:

- Up to 36 Channel video recording software for IP security devices
- H.264/ MPEG-4/ MJPEG compression format
- 5 different recording modes to fit your needs
- Video search by time
- Video export: AVI, JPEG
- Record video and audio
- Live window PTZ control interface
- Live/Playback digital zoom control interface
- Dual monitor
- E-map
- Audio broadcast
- Channel rotation
- Email with picture file
- Multi e-mail Group list
- Pre/ Post alarm
- Attached channel function without costing network bandwidth
- Remote playback SD card
- Multiple remote site and user solution
- Remote web browser
- Remote lite program

Video Monitoring	
Video Channel	36
Real-Time Monitoring Mode	1, 4, 9, 12,16, 20, 25, 30, 35, 36
Channel Swap	Yes
Channel Rotation	Yes
Full Screen Monitoring	Yes

Compression Format Support	H.264, H.265, MPEG-4, MJPEG
Supported Device	IP Camera, Video Server
DVR Control Panel	Yes
PTZ Control	Yes
Digital Zoom Control	Yes
Dual Monitor	Yes
E-Map	Yes
Video Setting	
Video Recording Mode	Schedule, Motion, Alarm, Event, Manual
Recorded Video Resolutions	Up to 5 Megapixel
Video Quality Setting	Best, High, Standard, Medium, Low
Audio Record	Yes
Pre/Post Alarm Recording	Yes
Motion Detection	Yes, 3 areas
Overwrite Data When HD is Full	Yes
E-mail Function	Yes, triggered by motion & alarm
E-mail with Picture	Yes
Show Tag, Time & Date on Video	Yes
Video Playback	
Multi-Channel Playback	Yes (Up to four channels)
Video Search	By time
Video Export Format	JPEG, AVI
Digital Zoom Control	Yes
Image Print	Yes
Frame Step Forward & Backward	Yes
Playback Forward & Backward	1x, 2x, 4x, 8x, 16x, 32x
Configure Tool	
Device Search	Yes
Channel Setting	Yes
Configuration Import/Export	Yes
Time Synchronization	Yes
Adjust to Default Resolution Automatically	Yes
Use Overlay	Yes
Windows Control	Yes
Security	
Security setting	Yes, user and group

Client system	
OS	Windows 7/ 8.1
Hardware	
Suggested	CPU: Intel Core i5 2300@2800M HZ or above Memory: 8GB VG. card: 1GB External Graphic Card or above Monitor Resolution: 1024 x 768 or above (Suggest 1920 x 1080) OS: Windows 7/ Windows 8.1 File System: NTFS

*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.