PLANET
Networking & Communication

User's Manual

Central Management Software

► **CV4-M256**



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Minimum System Requirements

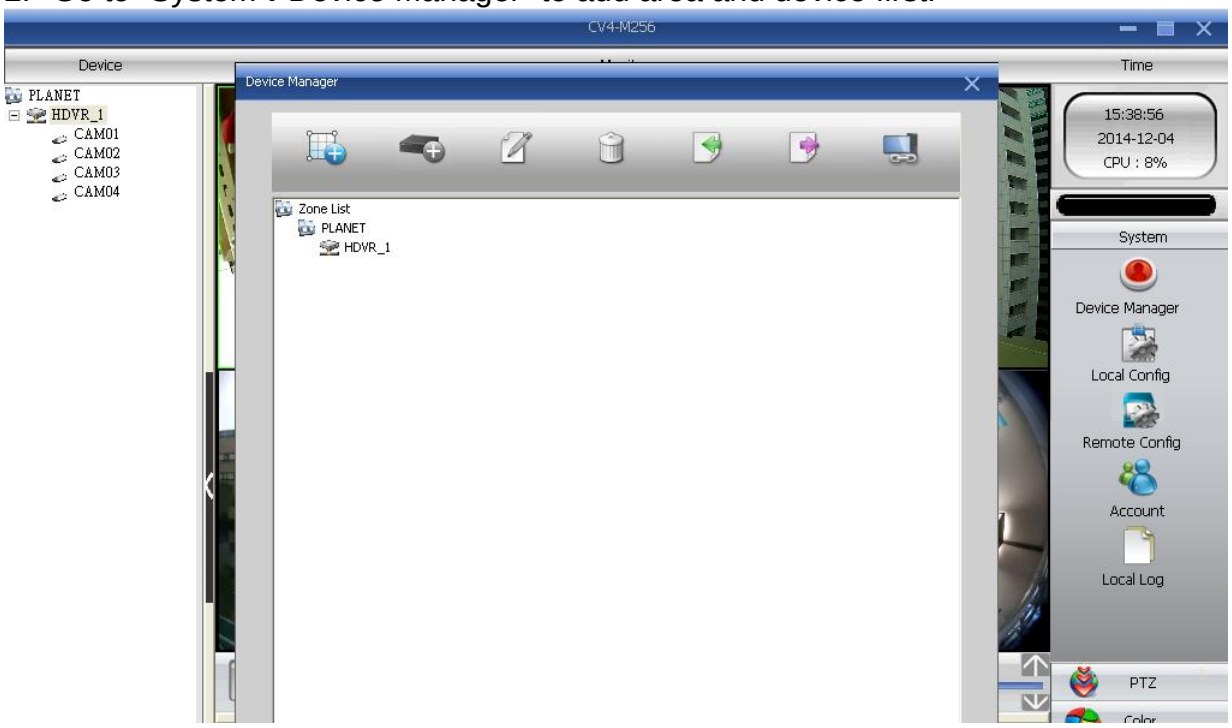
CPU	Intel Pentium 4 2.0G or above
RAM	Minimum 1GB, 2GB or above is recommended
HDD	SATA 1TB or above is recommended
Display card	Graphics must support hardware scaling (such as ATI, TNT2 and PRO, but suggest ATI9800 or above)
Ethernet interface	100/1000Mbps Gigabit Ethernet card
OS	Windows 2000(SP4), Windows XP, Windows 2003, Windows Vista, and Windows 7

It is strongly recommended to close the unnecessary programs while running the CV4-M256 to monitor and play back video stream from HDVR.

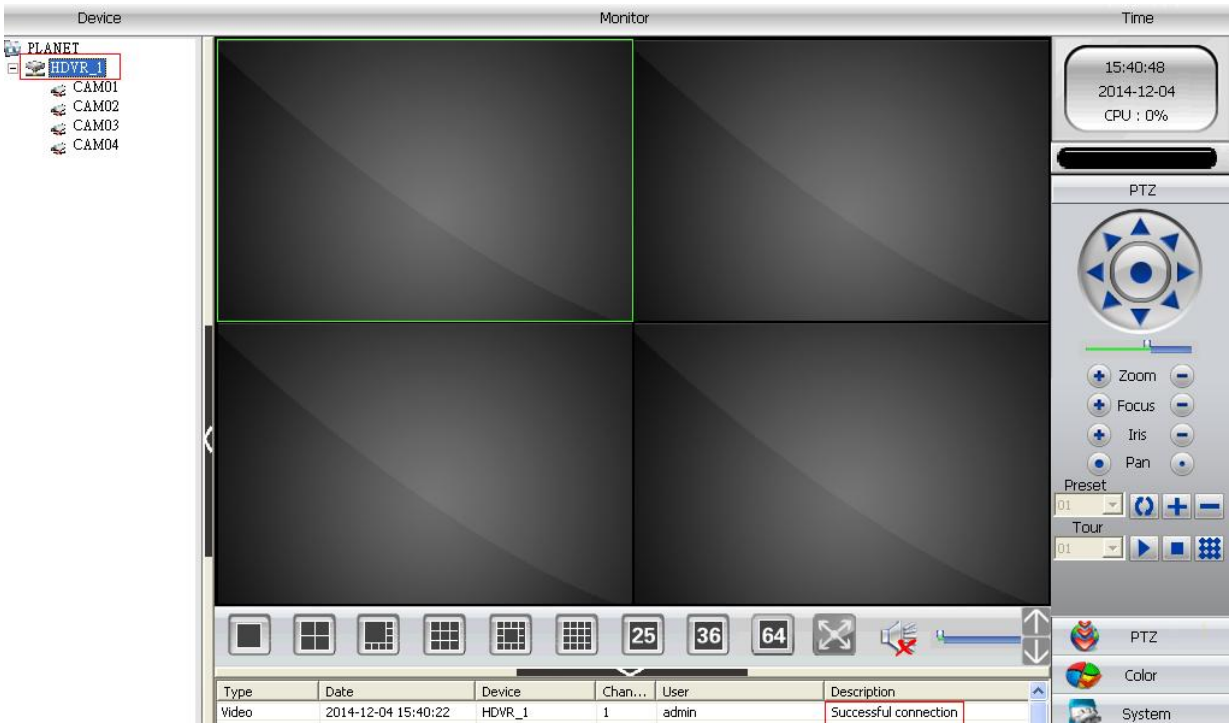
Quick Installation Guide

1. Install the CMS software and then execute the program. The default login account and password are both “**admin**”.

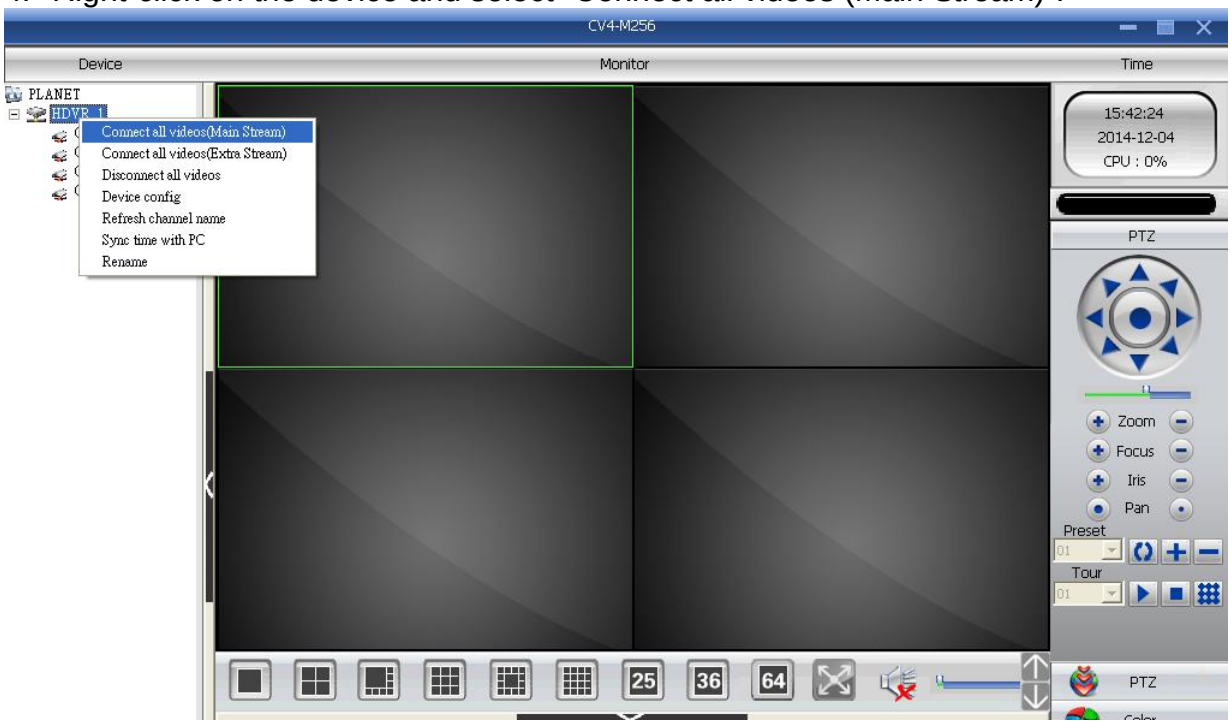
2. Go to “System→Device Manager” to add area and device first.



3. Double-click on the device and make sure the connection is successful.



4. Right-click on the device and select “Connect all videos (Main Stream)”.





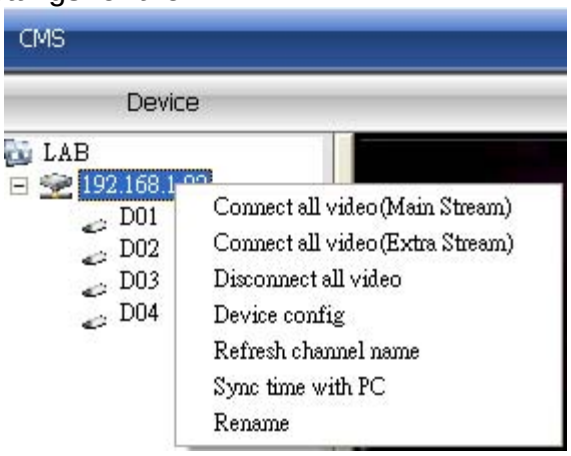
Chapter 1. Introduction of Basic Operation

This is the main control panel of CMS to provide live stream preview, system setup, playback, log and PTZ controls.

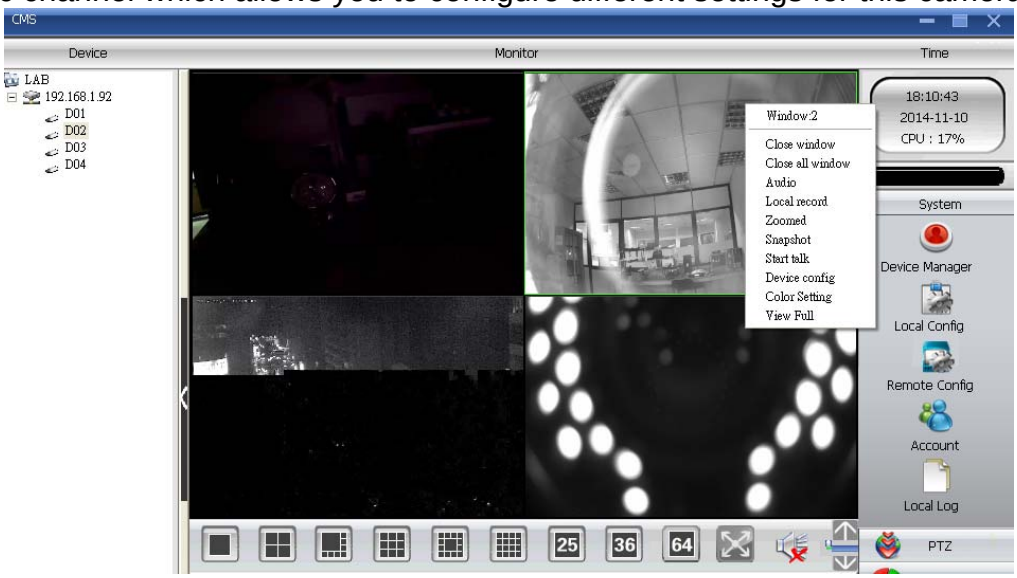


1.1 Main Menu

Device Display Area:
You can preview live screens via device. Right-click the mouse to go to a specific HDVR which allows you to connect or disconnect camera streams, and set other settings for the HDVR.



Operation Area:
The operation area shows live screen of camera. Right-click the mouse to choose a specific channel which allows you to configure different settings for this camera.



Time:
Display current system time of device and usage status of CPU.

Video Disk Status Area:
It can display the rest of the disk spaces where video files are stored.

PTZ:
PTZ interface is one of the configurations in main menu where it allows you to control the PTZ camera, such as pan, tilt, zoom.

Operation Log:
It displays any status information for configuration and operation.

Menu Area:
Users could set single menu and sub-menu in this area. Select relevant menus to operate video surveillance system in the control center.

1.2 Menu Configuration

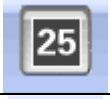
First Tier	Second Tier	Third Tier	Function & Instruction
Preview			Click preview button "Monitor" to choose a preview of the screen, touring and switching among all channels and snapshot pictures of the screen. Shut down/open preview menu.
PTZ			Control speed dome cameras can go up, down, left, right and stop by operating panel. Besides, it can adjust speed, zoom, focus, iris, auto pan, preset and tour.
Color			Set brightness, contrast, saturation and hue for video screen
System	Device Manager	Add Zone	Add zone for all devices

First Tier	Second Tier	Third Tier	Function & Instruction
		Add Device	Add video surveillance devices
		Modify	Modify device name, IP address, user name and password
		Delete	Delete video surveillance devices
	Local Config	Basic Config	Select disk, disk list and logs maintenance
		Alarm Setting	Enable audio activated by alarm
		Record Plan	Set recording mode, schedule and relevant functions
		Version Info	Display system information of HDVR
	Remote Config	Record	Set record mode and schedule of HDVR
		Alarm	Set alarm mode of HDVR
		System	Set general configurations of HDVR
		Advanced	Set management functions of HDVR
		Info	Display system information of HDVR
	Account	Group	Add, delete groups and manage users' operating rights
		User	Add, delete users and manage passwords.
	Local Log		Search alarm log and operation log in set time area.
Playback		Remote Playback	Search record file and playback; video download
		Local Playback	Search record file and playback; video backup
Advance	Decoder		Set HDVR and decoder
	Map		Using this map, it can visually show all camera locations and find the current monitoring page directly
	Tour		Arrange devices to display channels alternately
	Task Config		Arrange live view of channel sequence

Chapter 2. Monitor

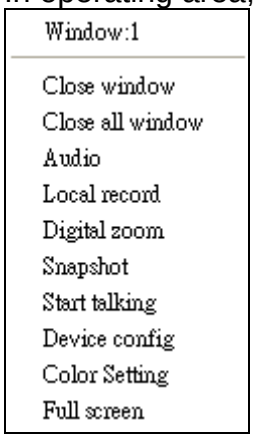
In the menu area, click "Monitor" to preview screen.
Monitor functions: Preview, PTZ and video specification configuration.

2.1 Preview

No.	Button	Function
1		Click it to preview full screen for every channel
2		Click it to preview quad screens
3		Click it to preview 8 split screens
4		Click it to preview 9 split screens
5		Click it to preview 13 split screens
6		Click it to preview 16 split screens
7		Click it to preview 25 split screens
8		Click it to preview 36 split screens
9		Click it to preview 64 split screens
10		Click it to enter full screen interface

2.2 Right-click Menu

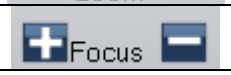
In operating area, user can do the following operation by right-clicking mouse.

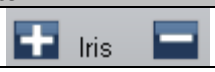


Close Window: Close the current screen; the stream of camera is disconnected.
Close All Windows: Close all the current screens; the streams of all cameras are disconnected.
Audio: Click it to hear the voices from preset screens.
Local Record: Click it to record the current channel and save the record in the relevant disk.
Digital Zoom: To make the image seem more close-up in a digital way.
Snapshot: Capture pictures from the current channel at any time and save it to relevant disk.
Start Talking: Click it to talk.
Device Config: Click it to go to device configuration interface.
Color Setting: Adjust color parameters by infrared status.
Full Screen: Full screen mode of live view and display of all channels

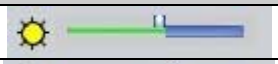
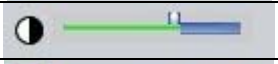
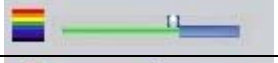
2.3 PTZ Control

When speed dome cameras are connected with HDVR, user can control it via this interface. The interface not only allows you to turn up, down, left, right and stop running but also adjust turning speed, zoom, focus, iris, preset and tour configurations. When user enables tour function, the speed dome camera will rotate automatically according to preset.

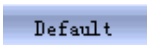
No.	Button	Function
1		▲ means "turn",■ means "stop turning"
2		Drag this pole to adjust speed rate
3		Click + to zoom in; click − to zoom out
4		Click + to focus in; click − to focus out

No.	Button	Function
5		Click + to iris in; click − to iris out
6		Set a location for the preset and call the preset points. PTZ automatically turns to the setting position; and add, delete and configure preset point.
7		Tour lines are connected by multiple preset points; touring between point settings; the PTZ run around on the line

2.4 Color

No.	Button	Function
1		Brightness
2		Contrast
3		Saturation
4		Hue

Note

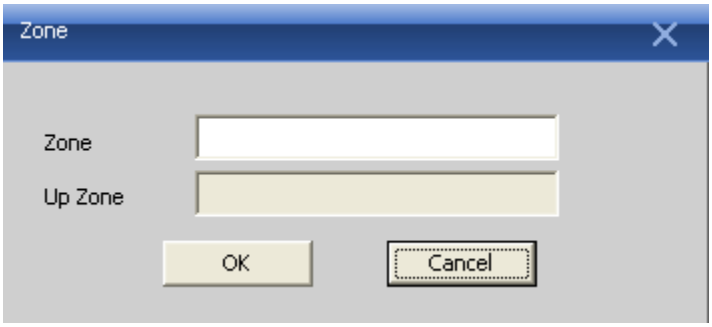
Click  *to resume initial values.*

Chapter 3. System

3.1 Device Manager

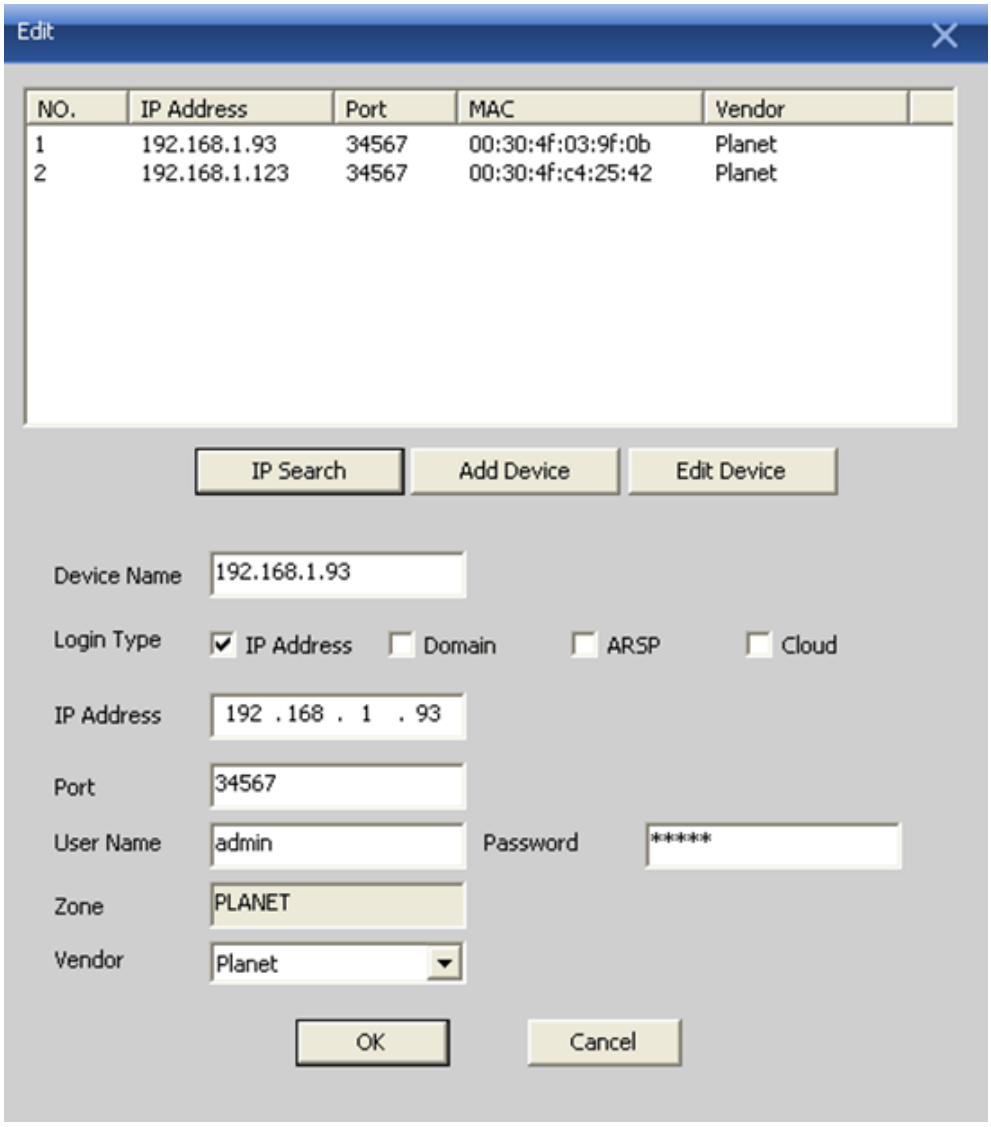
3.1.1 Adding Zone

Click  to add zone.



3.1.2 Adding Device

Click  to add device.



Device Name: The default device name is IP address of device. You can modify the name as you wish.

Login Type: The default setting is IP address; ARSP and Cloud settings are reserved for the future.

Domain: Domain name by external network such as xxxx.3322.org, xxxx.dyndns.org, xxxx.oray.org, etc.

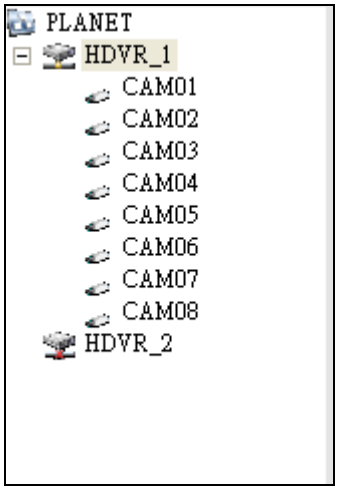
IP Address: IP address of device.

Port: TCP port; the default port is 34567.

User Name: Login account of device.

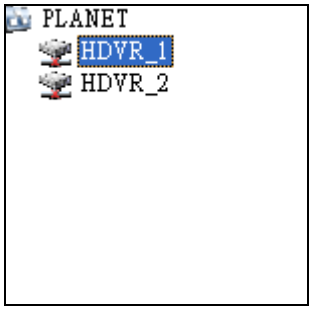
Password: Login password of device.

Click "OK" after you have done the above configurations. Next, you can double-click on the device to connect the HDVR with CMS software.



Note

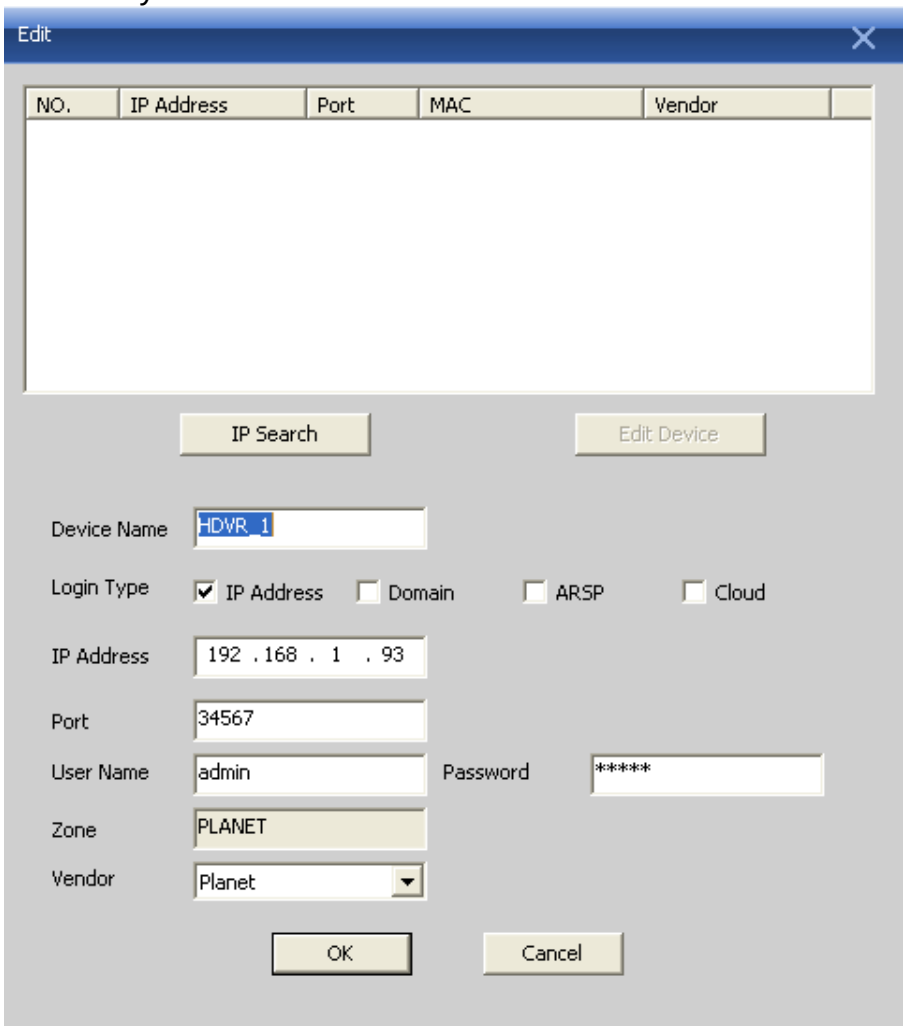
After adding device, you can select one device and double-click on it to connect the device. Next, right-click mouse on the device and select "Connect all videos (Main Stream)"and then show all videos on the screen.




PLANET
HDVR_
Connect all videos(Main Stream)
Connect all videos(Extra Stream)
Disconnect all videos
Device config
Refresh channel name
Sync time with PC
Rename
HDVR_2
25
36
64

3.1.3 Modifying Device

Click  to modify device.



Note	*Before modifying parameters, you have to disconnect the device first. The method of disconnecting the device is to double-click on HDVR_1 device, whereas the HDVR_2 is for connecting purpose.*



After finishing all the modifications, click "OK".

3.1.4 Deleting Device

Click  to delete device.

Note	*Please make sure the device is disconnected before modifying and deleting it.*

3.1.5 Importing File

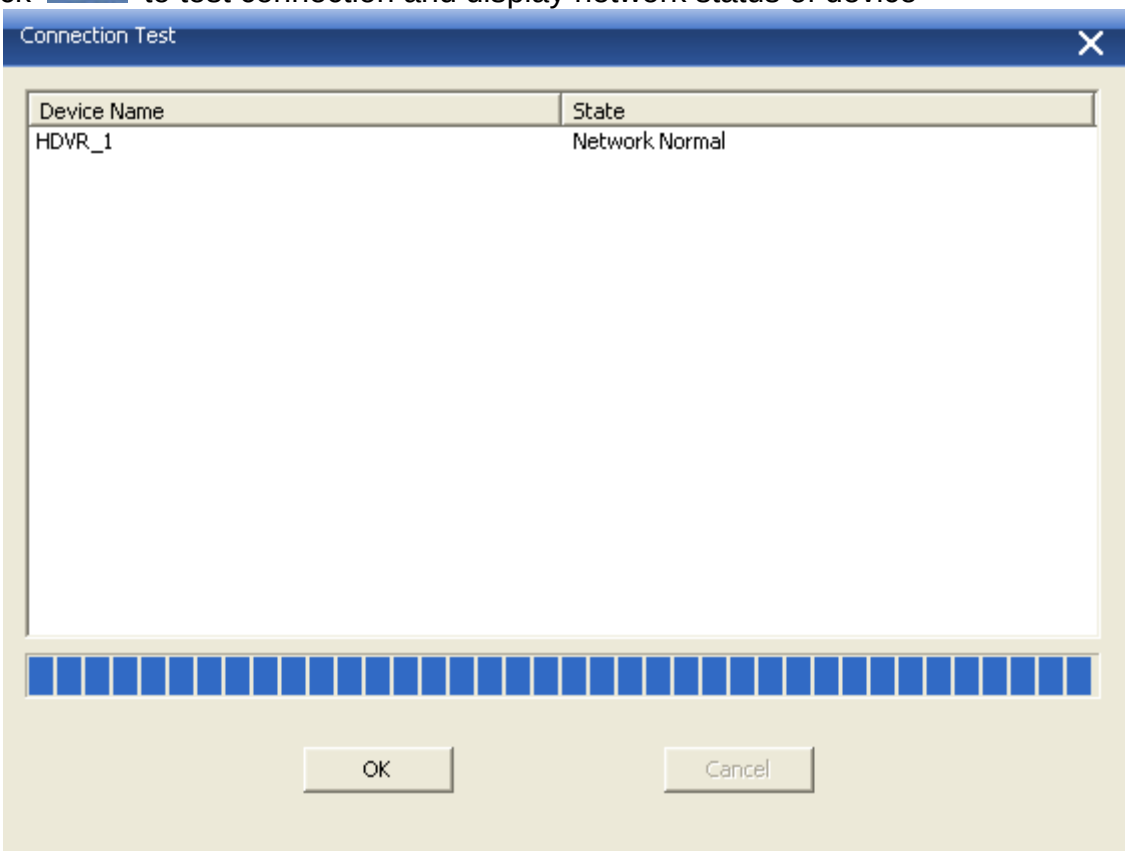
Click  to import configuration file of device.

3.1.6 Exporting File

Click  to export configuration file of device.

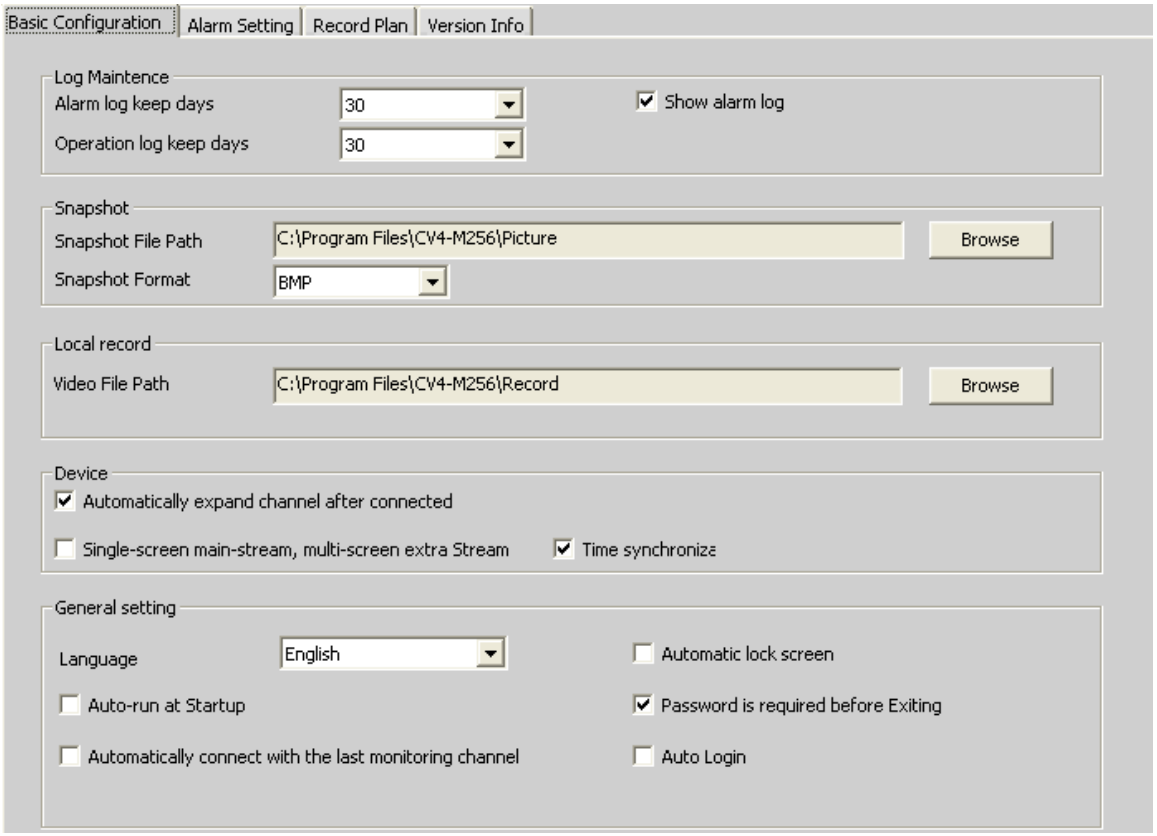
3.1.7 Connection Test

Click  to test connection and display network status of device



3.2 Local Device

3.2.1 Basic Configuration



Log Maintenance: Alarm and Operation log keep days.

Snapshot: Storage location of picture and format.

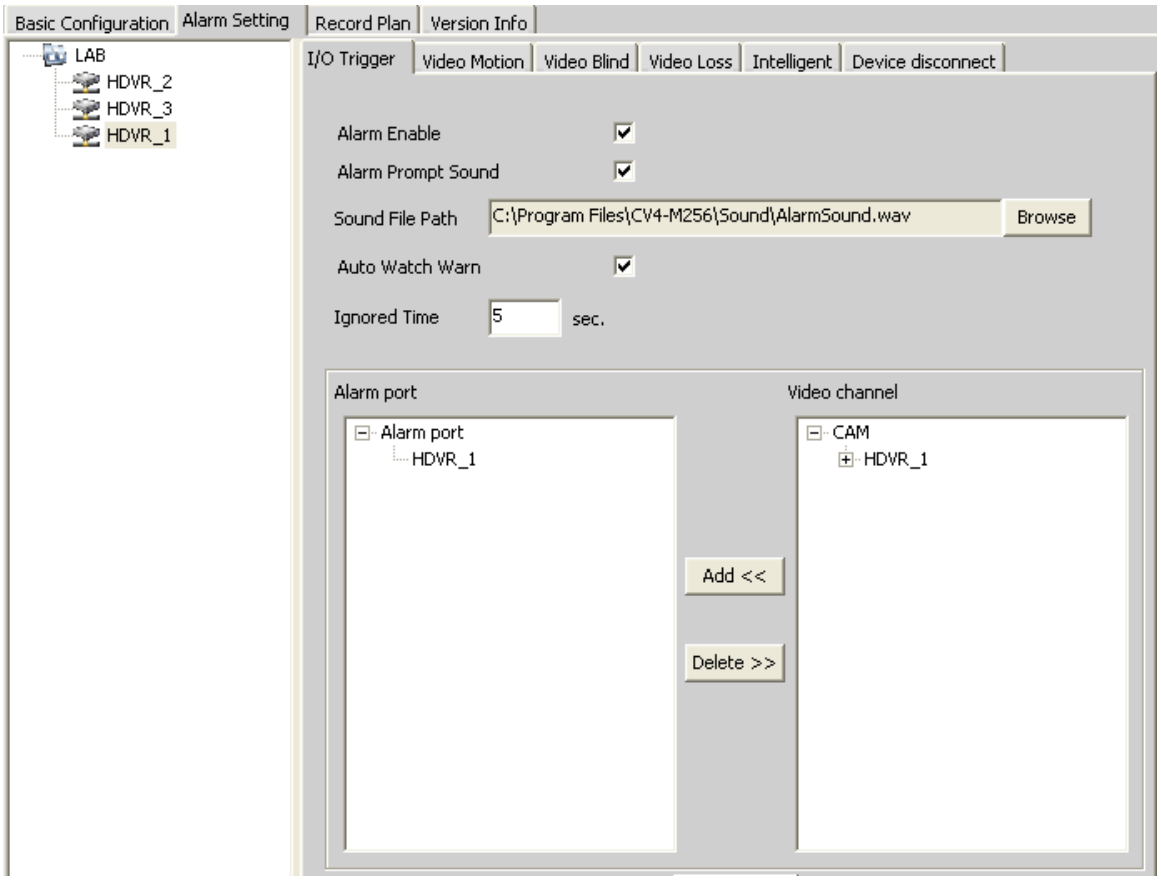
Local Record: Storage location of recording video.

Time Synchronization: Adjusting device and PC in order to make both at the same time.

Version Info: CMS's version (video, net, decoder, playback and device config).

Language: Choose language for CMS.

3.2.2 Alarm Setting



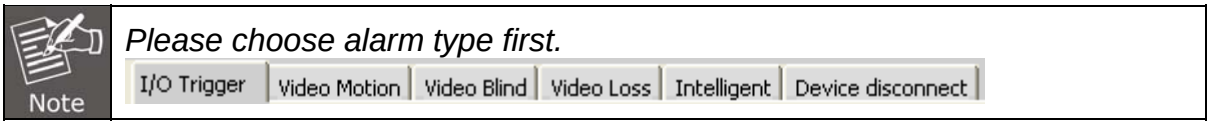
Device List: Choose 1 device to set alarms.

Alarm Enable: Click it to make sure all alarm functions available.

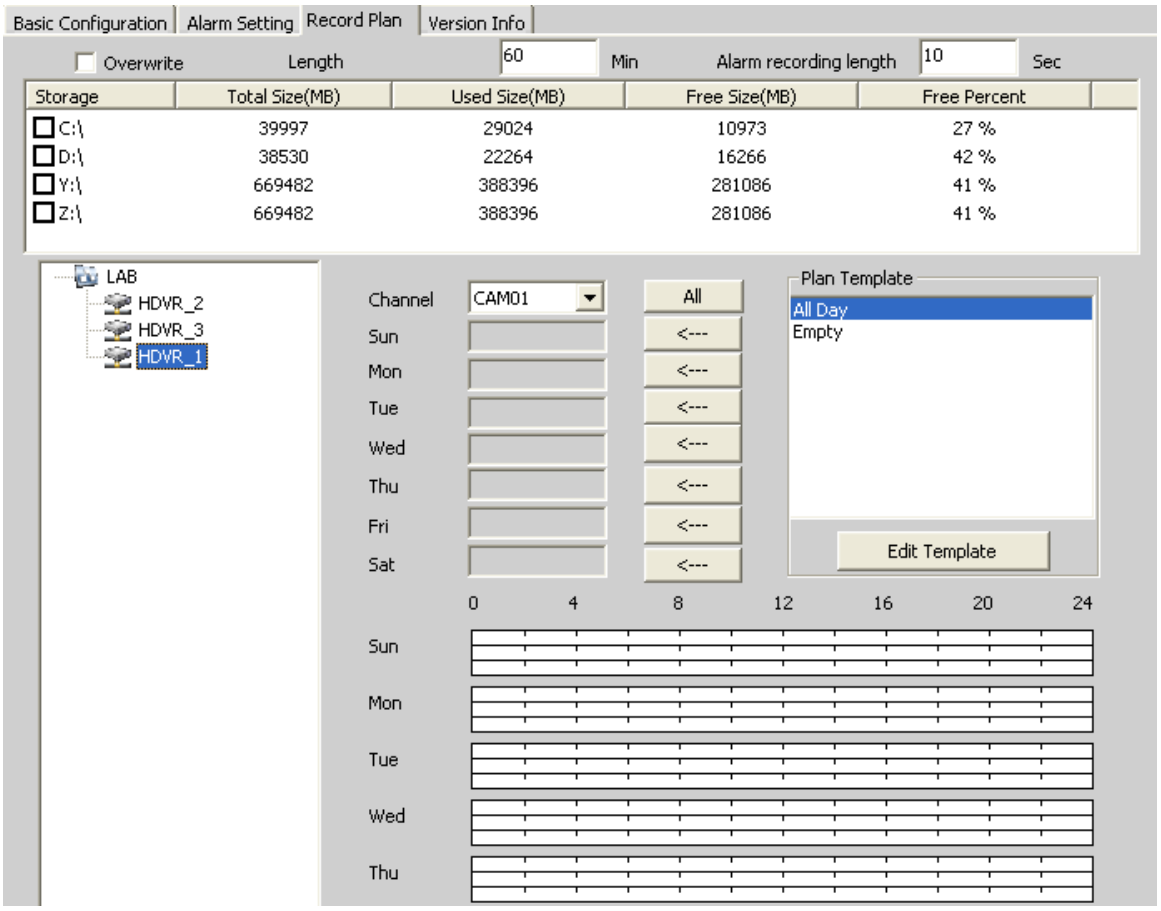
Alarm Prompt Sound: Select any alarm prompt sound which you like.

Sound File Path: Browse and choose prompt sound.

Auto Watch Warning: Choose it to add the following channels by activating alarm.



3.2.3 Record Plan



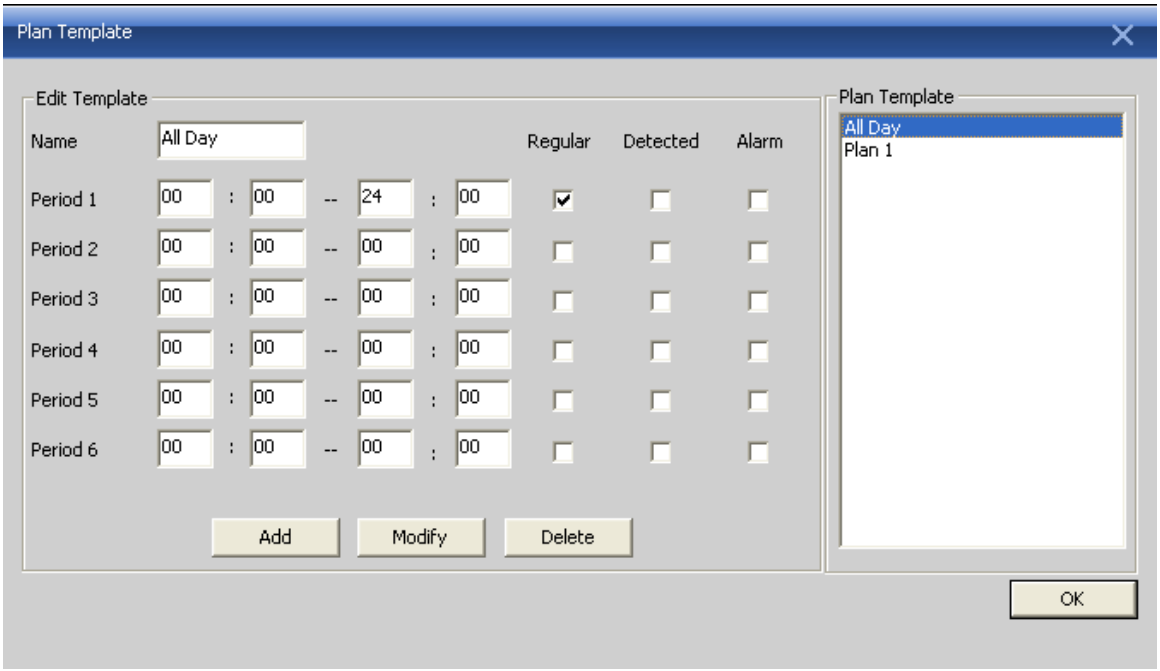
Overwrite: Click it and then it will cover the old records when HDD is full.

Length: Time length for 1 record file.

Alarm Recording Length: Time length for 1 record file of alarm.

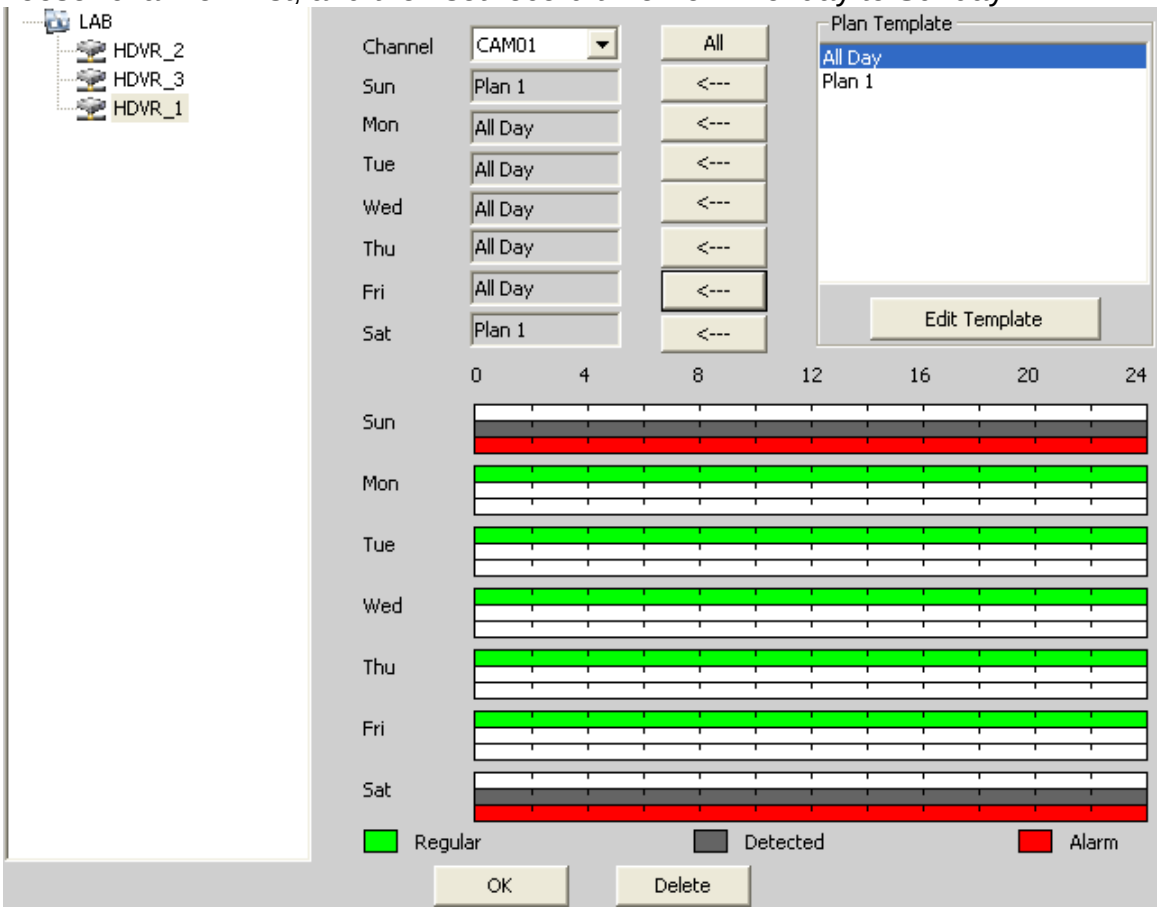
Disk List: C, D, E, F...

Edit Template: Set the recording mode and period.



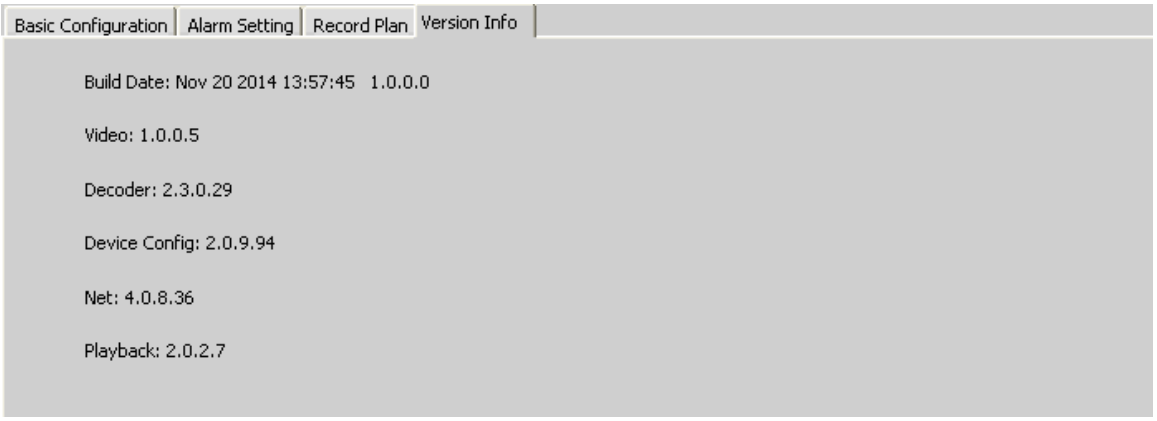
After setting name, click "add" and "OK".

Choose "channel" first, and then set record time from Monday to Sunday.



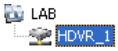
Note	*After setting record plan, if it needs to record, please make sure the 3 points below are carried out:* *1. Choose disk for recording at local config.* *2. Make sure the device is connected to network.* *3. Make sure local computer is always open.*

3.2.4 Version Information



3.3 Remote Config

Select a device first and then set its configurations.



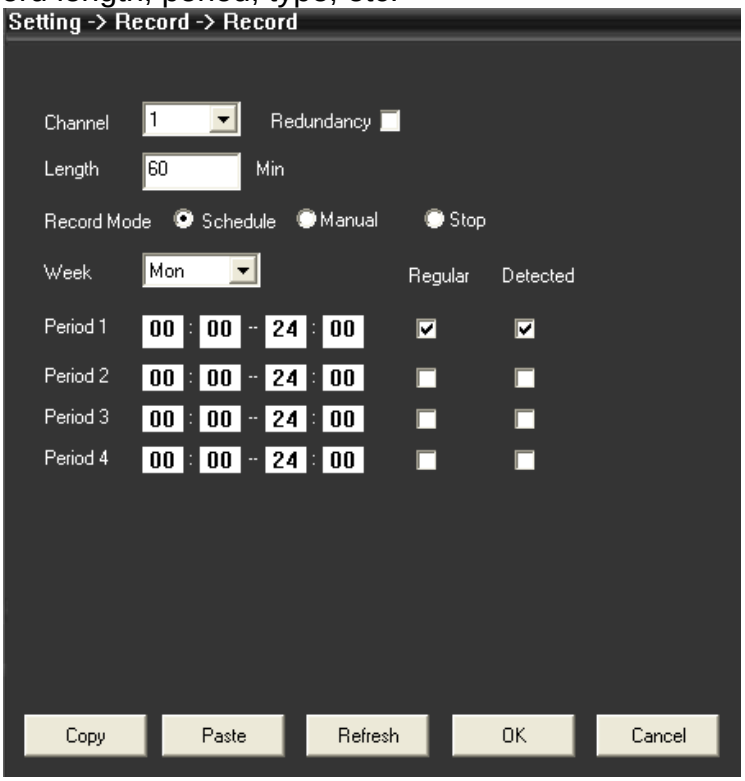


3.3.1 Record

Click  to go into record interface.



Record: Set record length, period, type, etc.

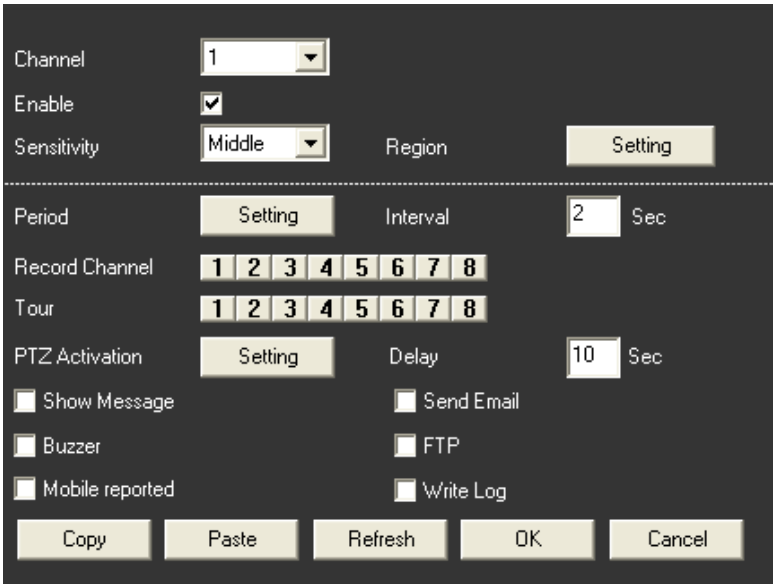


3.3.2 Alarm

Click  to go into alarm configuration.



Alarm activation configuration (motion detect, video blind, video loss and alarm in) is shown below.

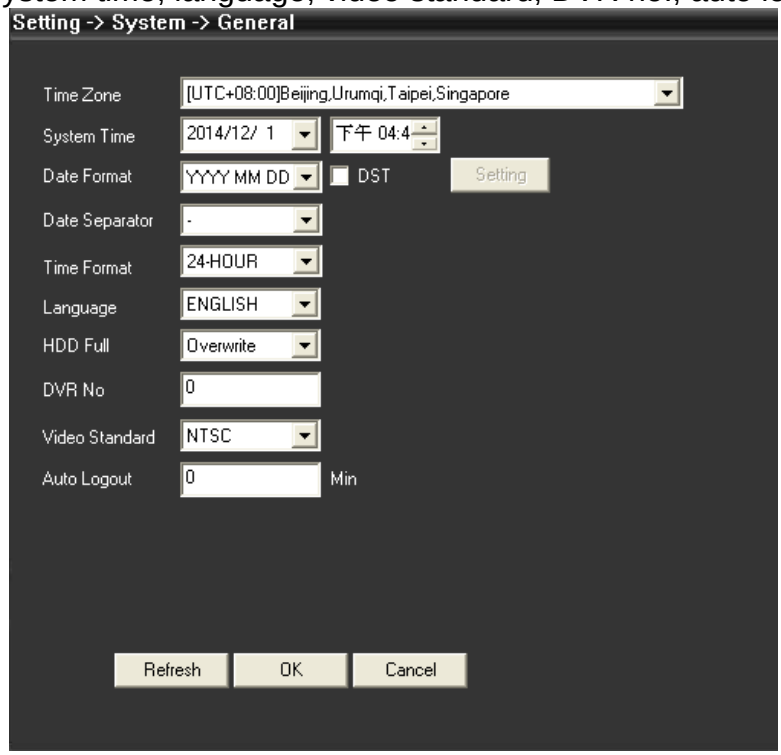


3.3.3 System

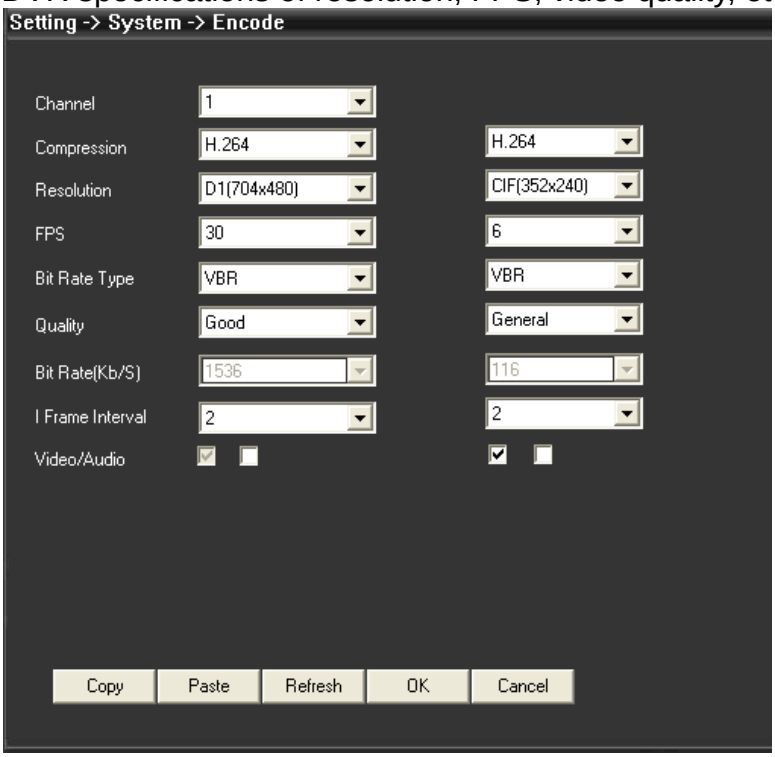
Click  to go into system set interface.



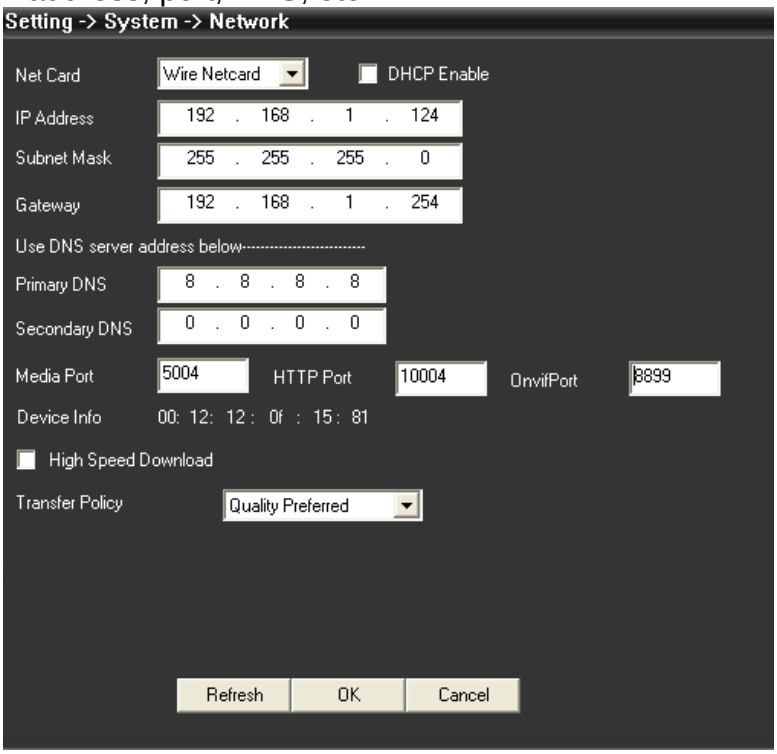
General: Set system time, language, video standard, DVR no., auto logout , etc.



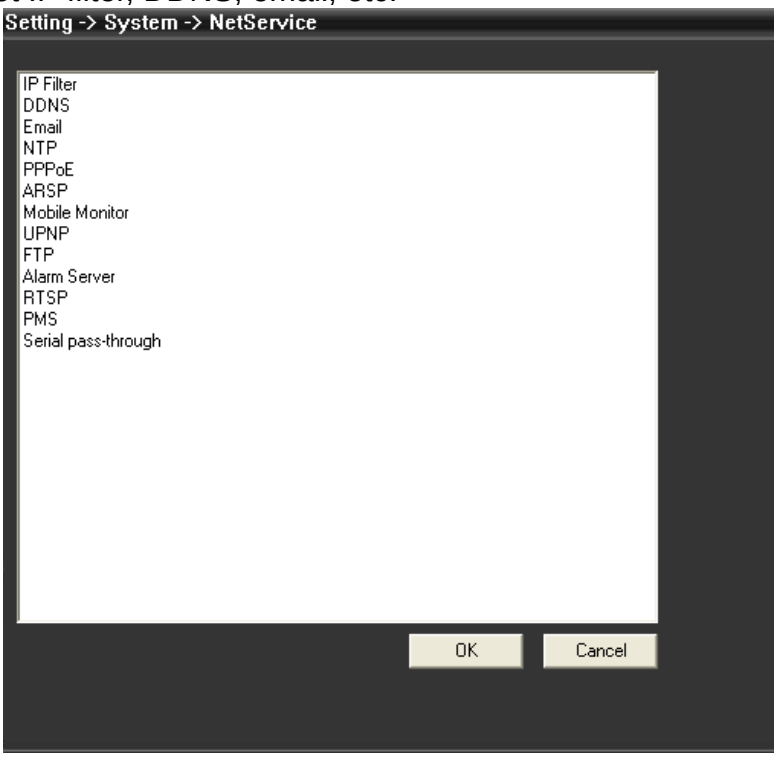
Encode: Set HDVR specifications of resolution, FPS, video quality, etc.



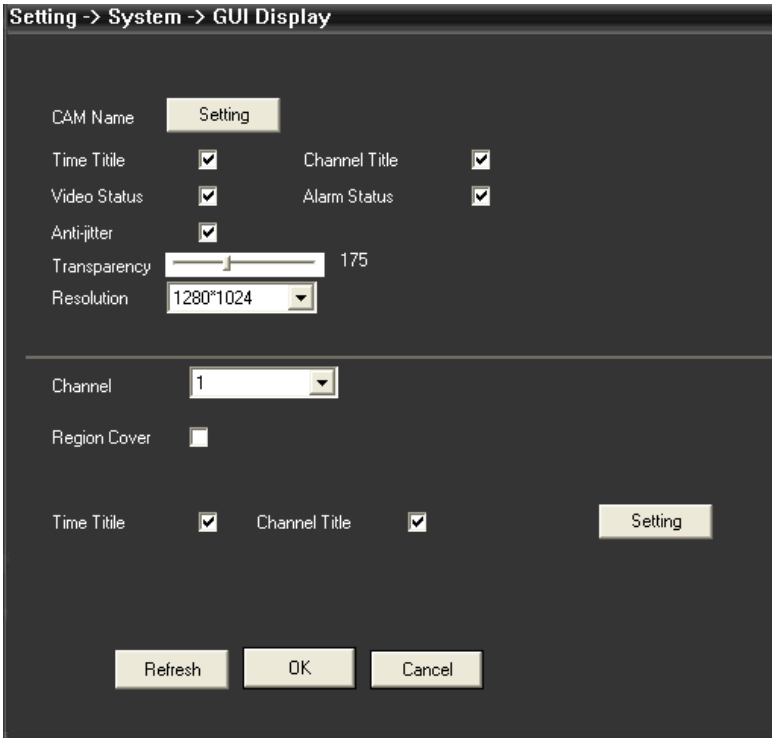
Network: Set IP address, port, DNS, etc.



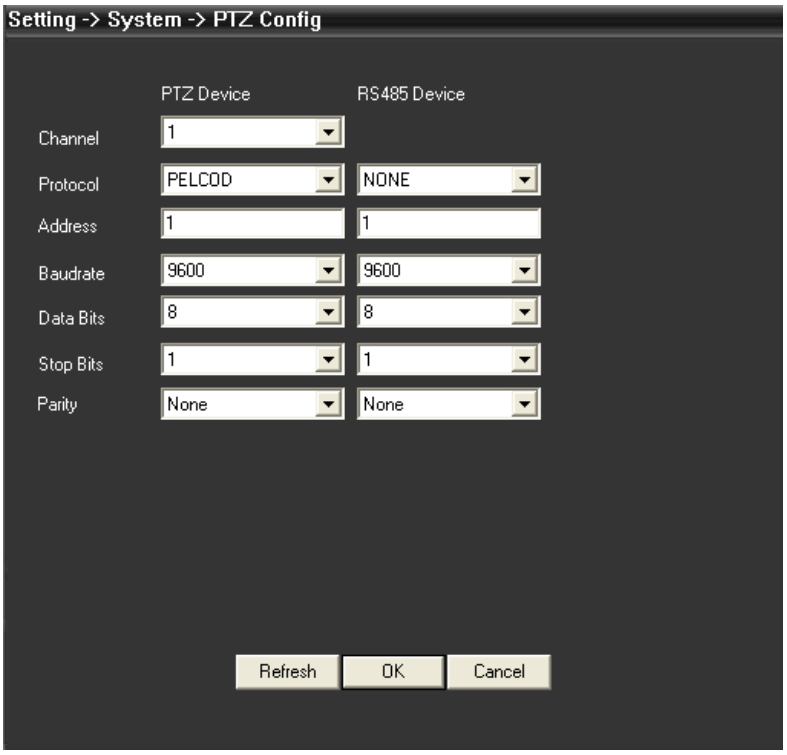
NetService: Set IP filter, DDNS, email, etc.



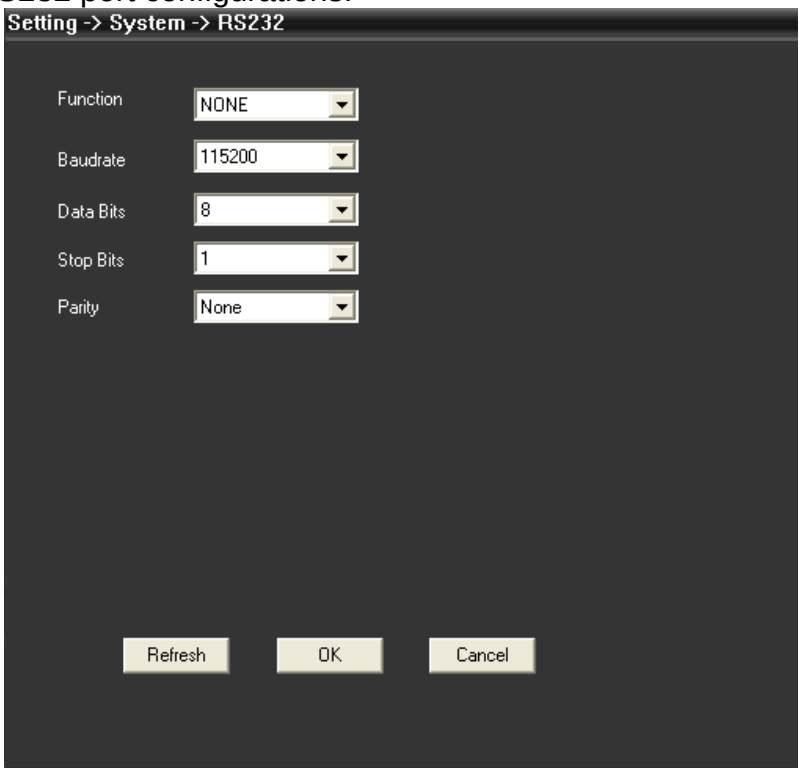
GUI Display:



PTZ Config: Set PTZ parameters and make sure settings are the same as speed dome cameras.



RS232: Set RS232 port configurations.

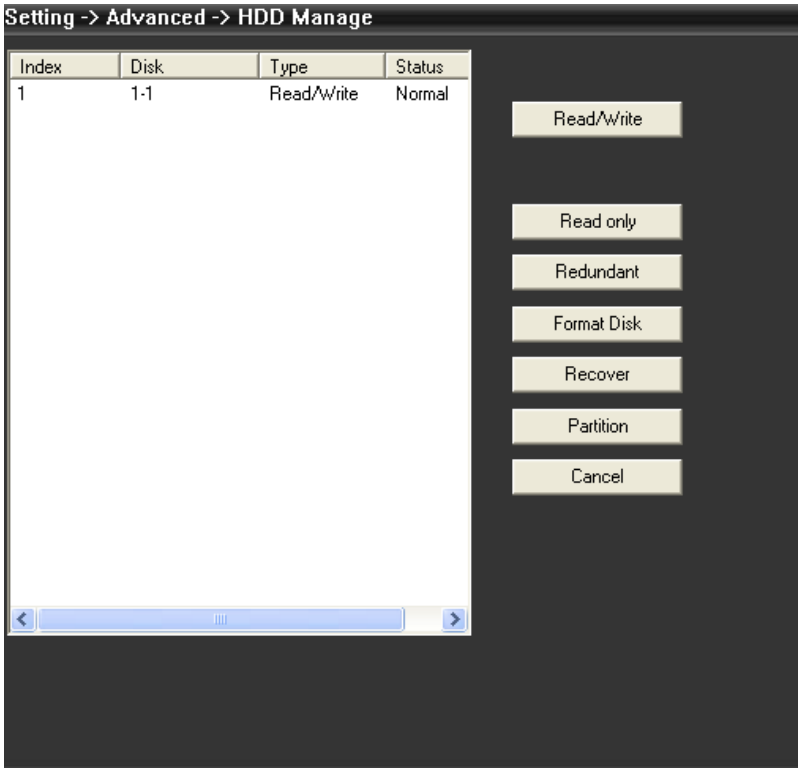


3.3.4 Advanced

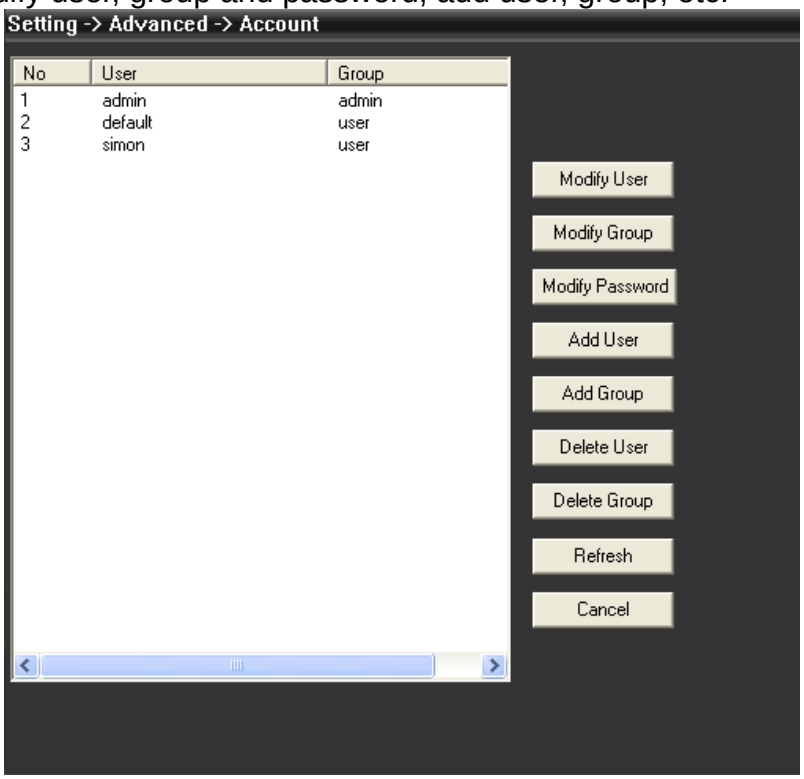
Click  to go into advanced interface.



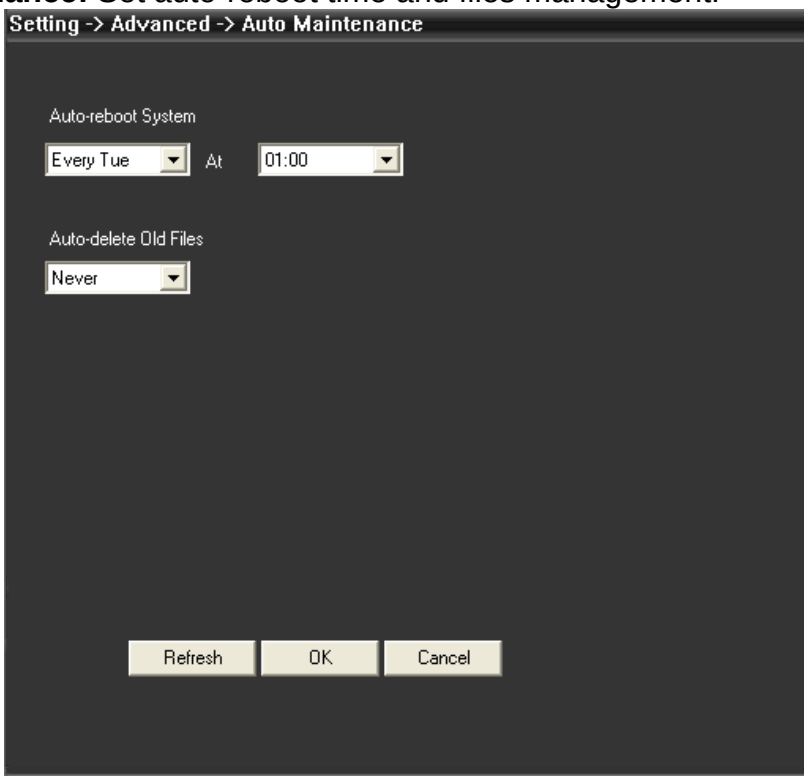
HDD Manage:



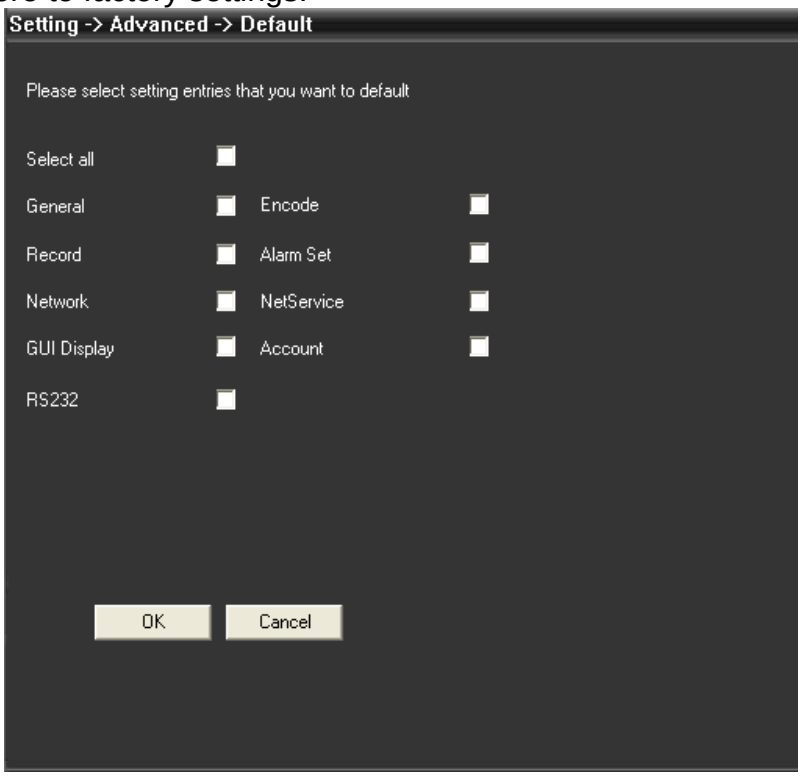
Account: Modify user, group and password; add user, group, etc.



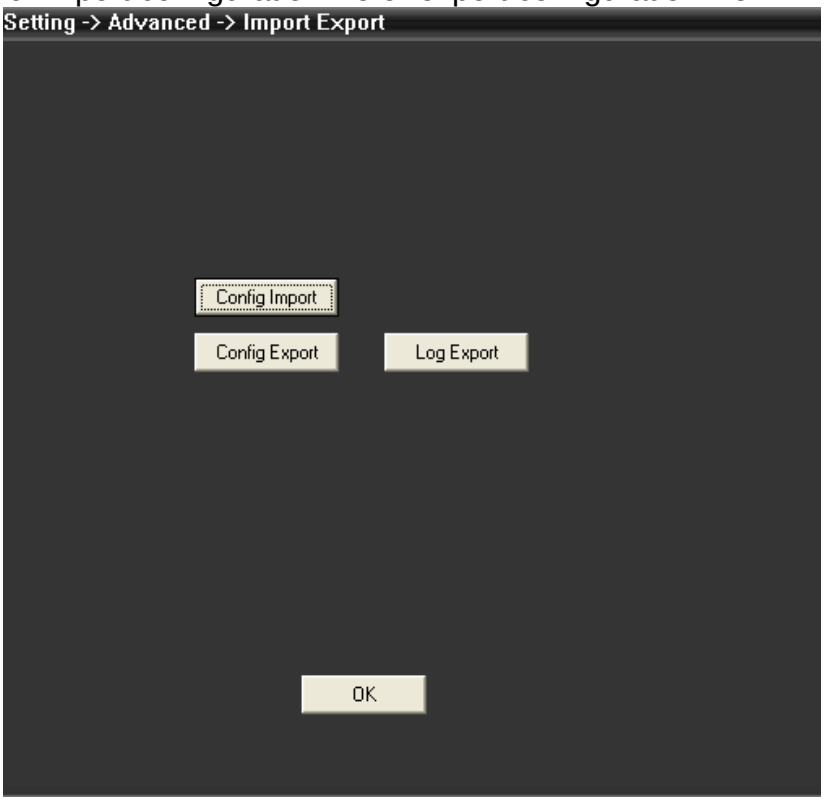
Auto Maintenance: Set auto-reboot time and files management.



Default: Restore to factory settings.

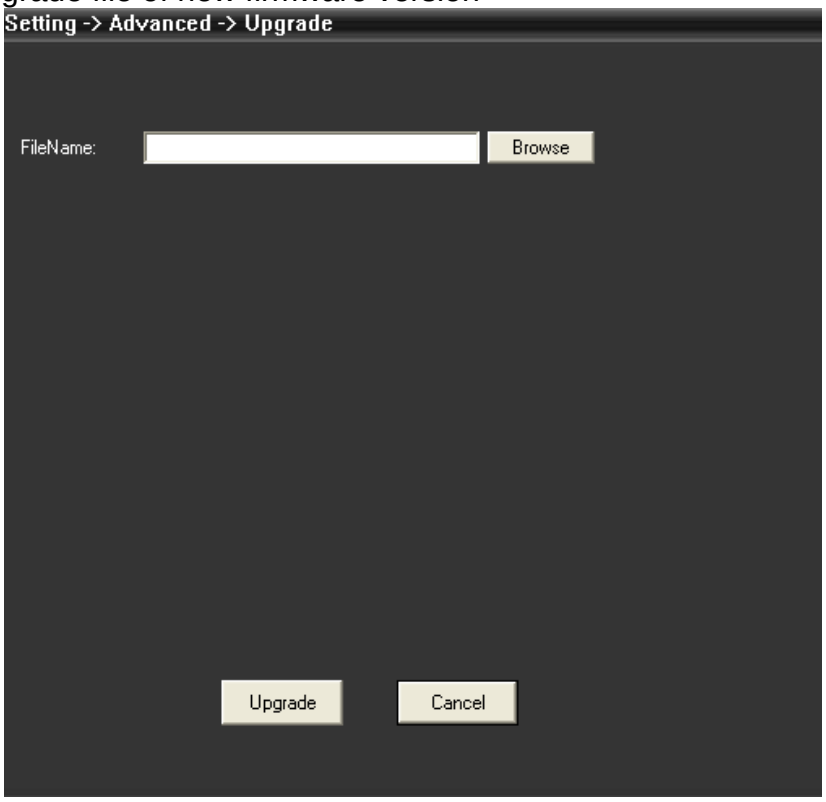


Import/Export: Import configuration file or export configuration file.

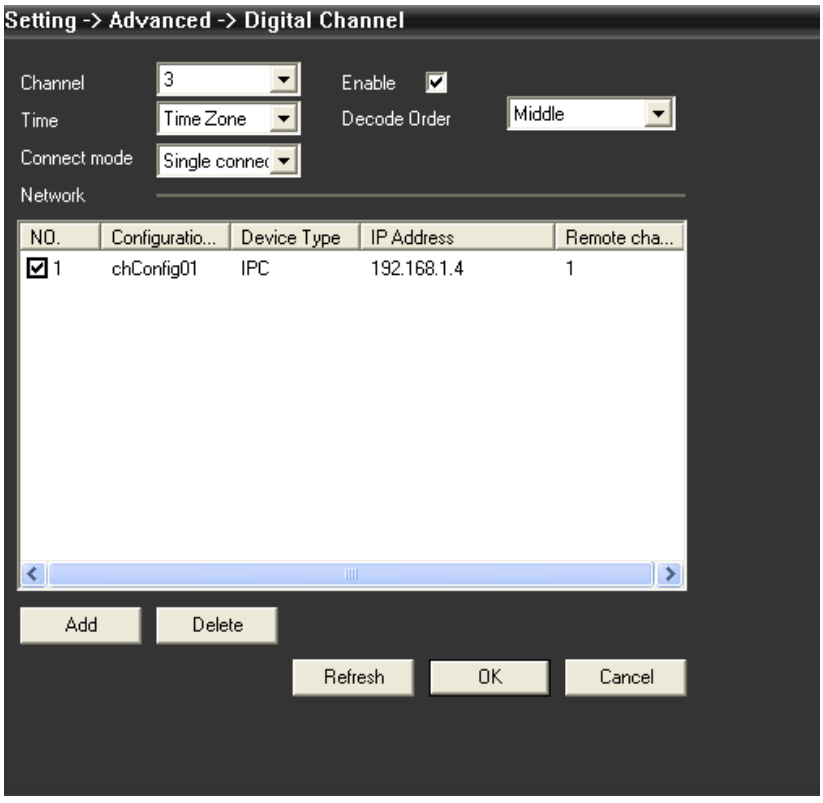


Reboot: Restart the device remotely.

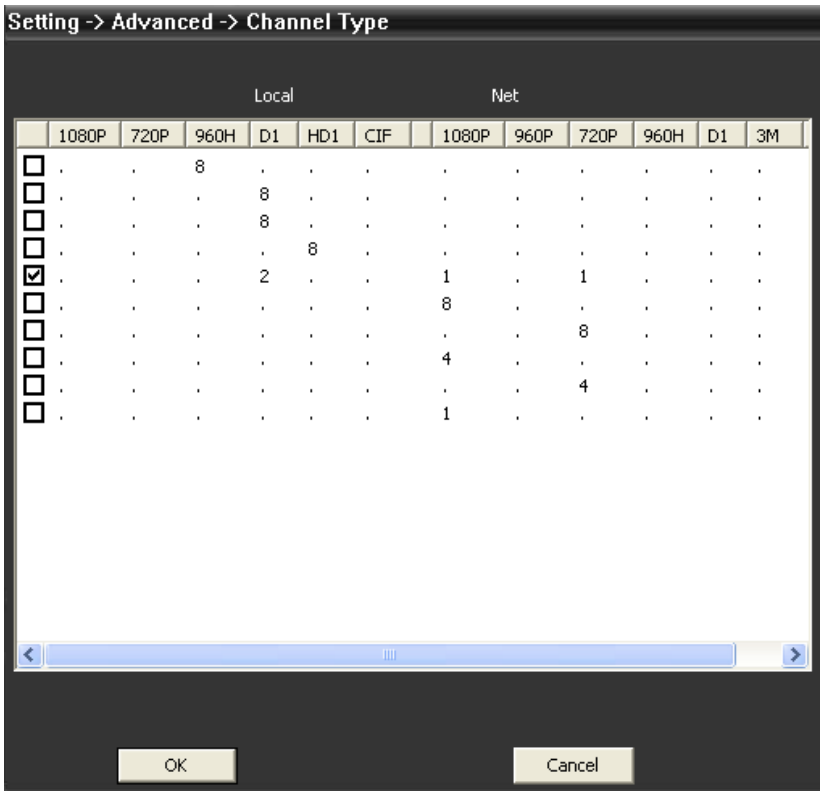
Upgrade: Upgrade file of new firmware version



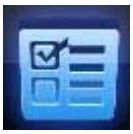
Digital Channel: Add or delete channels of HDVR.



Channel Type: Select analog mode, hybrid mode or digital mode before adding cameras.



3.3.5 Info

Click  to go into system info interface.

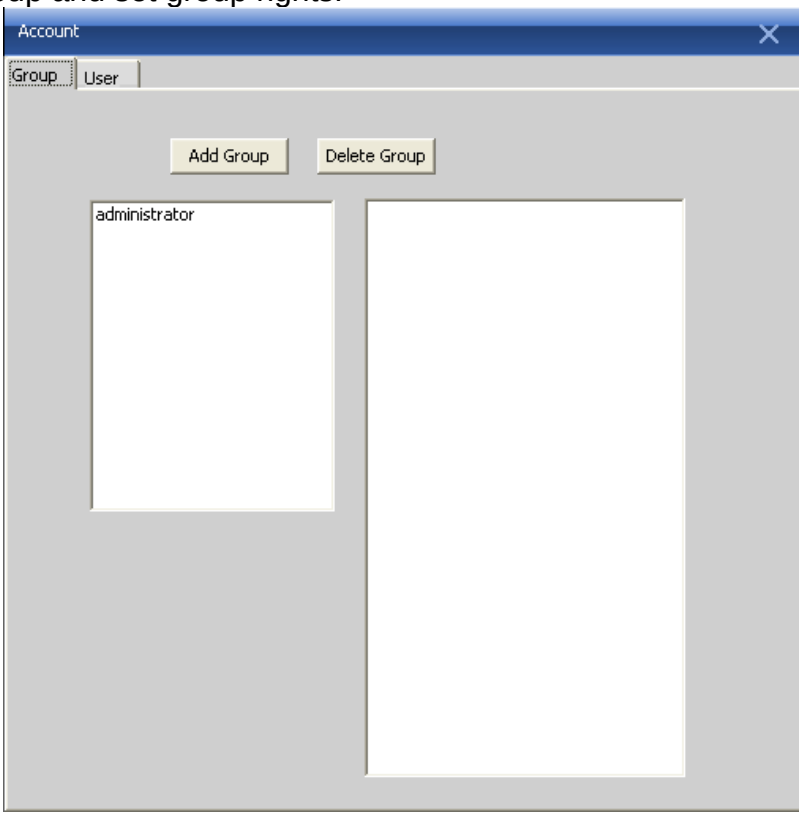


In system info, there are HDD info, log, version and channel status information.

3.4 Account

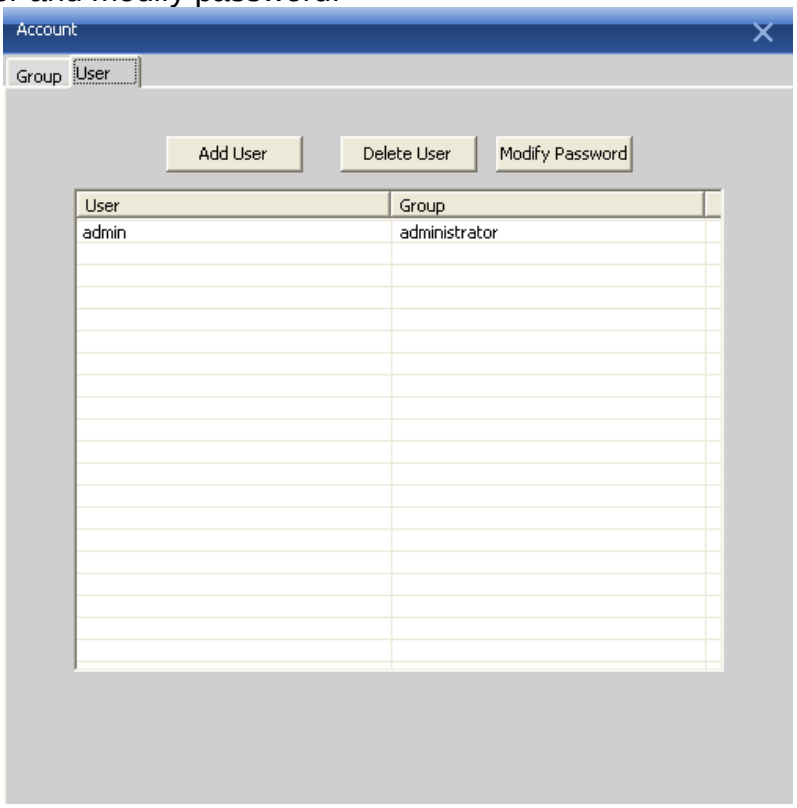
3.4.1 Group

Add/delete group and set group rights.



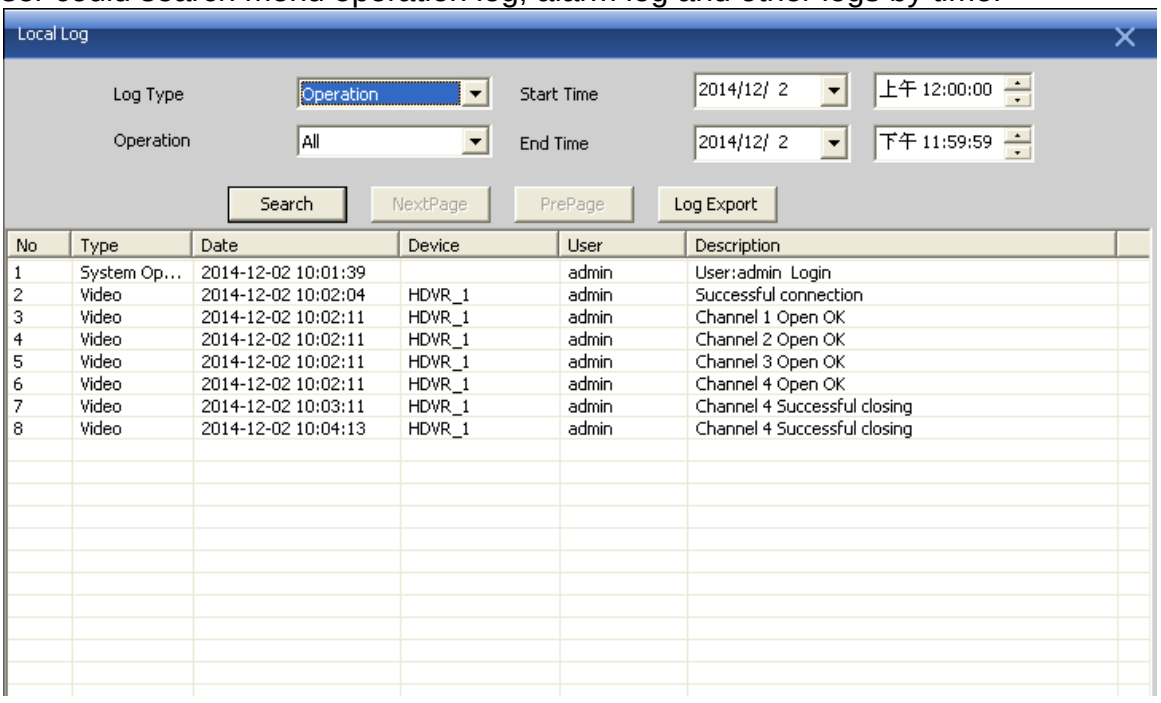
3.4.2 User

Add/delete user and modify password.



3.5 Local Log

User could search menu operation log, alarm log and other logs by time.



Chapter 4. Playback

4.1 Playback

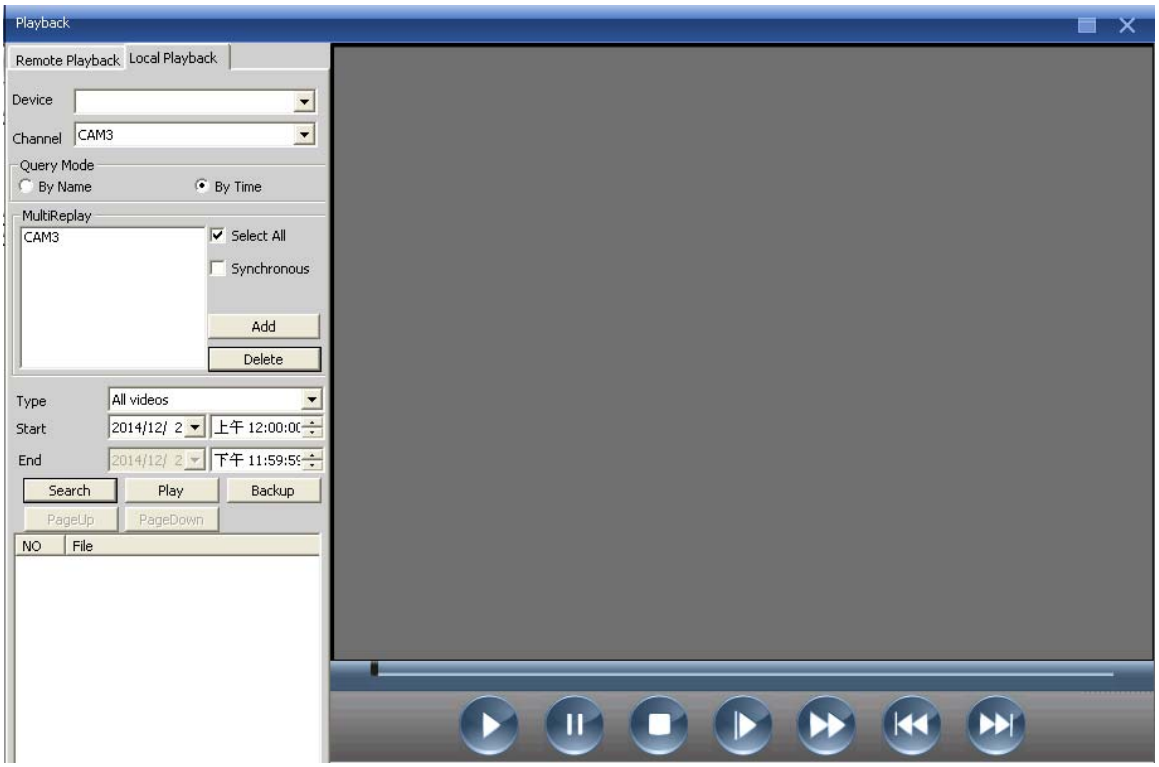
There are 2 playback modes---Remote playback and local playback.

Remote playback: Playback at device-side.

Local playback: Playback at client-side.

User could play back record files at any time; maximum playback channels are 4.





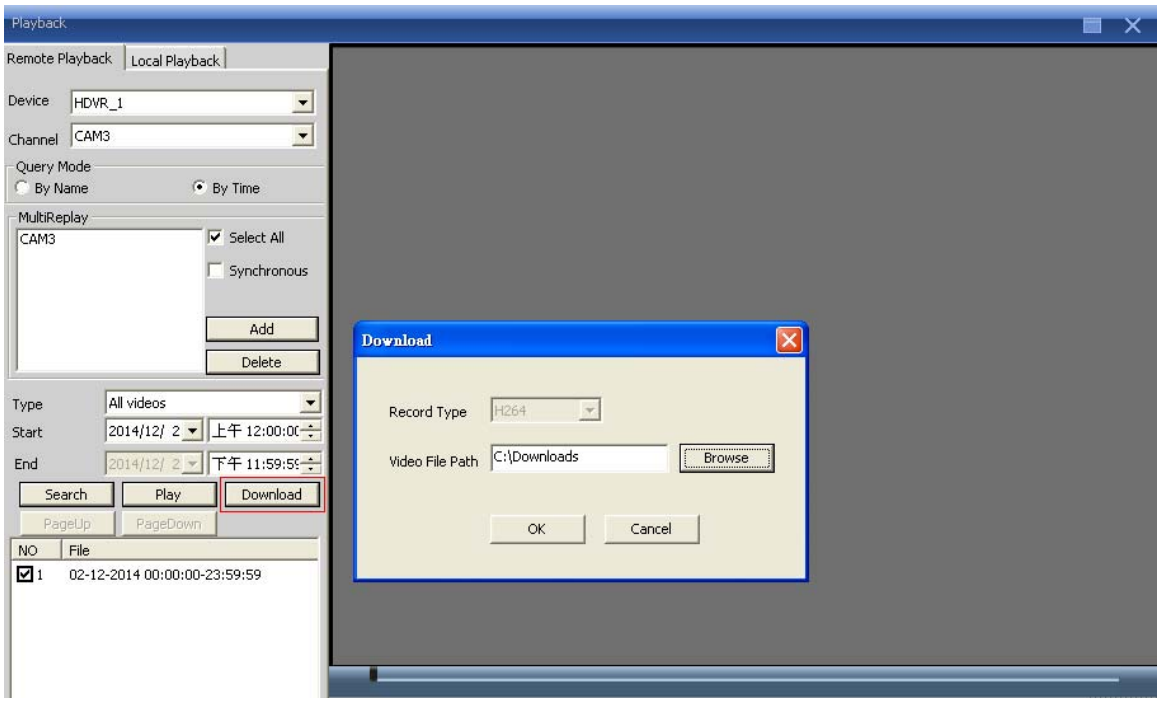
Button Instructions

No.	Button	Function
1		Play
2		Pause
3		Stop
4		Slow play
5		Fast play
6		Last frame
7		Next frame

4.2 Download & Backup

User could play back record files at set time and channels, select record files, click "Download/Backup" and select "save directory".

Note	*Remote playback----Download* *Local playback---Backup*

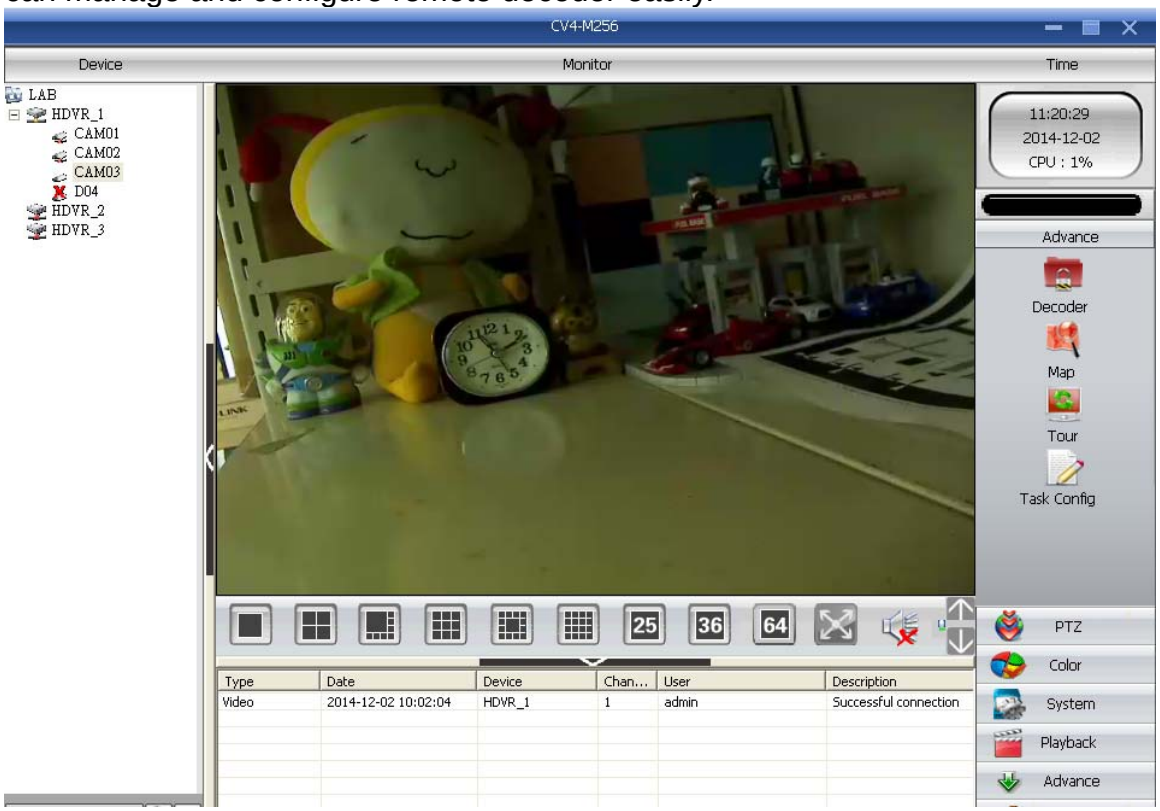

Playback
Remote Playback
Local Playback
Device
HDVR_1
Channel
CAM3
Query Mode
By Name
By Time
MultiReplay
CAM3
Select All
Synchronous
Add
Delete
Type
All videos
Start
2014/12/ 2
上午 12:00:00
End
2014/12/ 2
下午 11:59:59
Search
Play
Download
PageUp
PageDown
NO
File
1
02-12-2014 00:00:00-23:59:59
Download
Record Type
H264
Video File Path
C:\Downloads
Browse
OK
Cancel

Chapter 5. Advanced

The chapter contains four functions: Decoder, Map, Tour and Task.

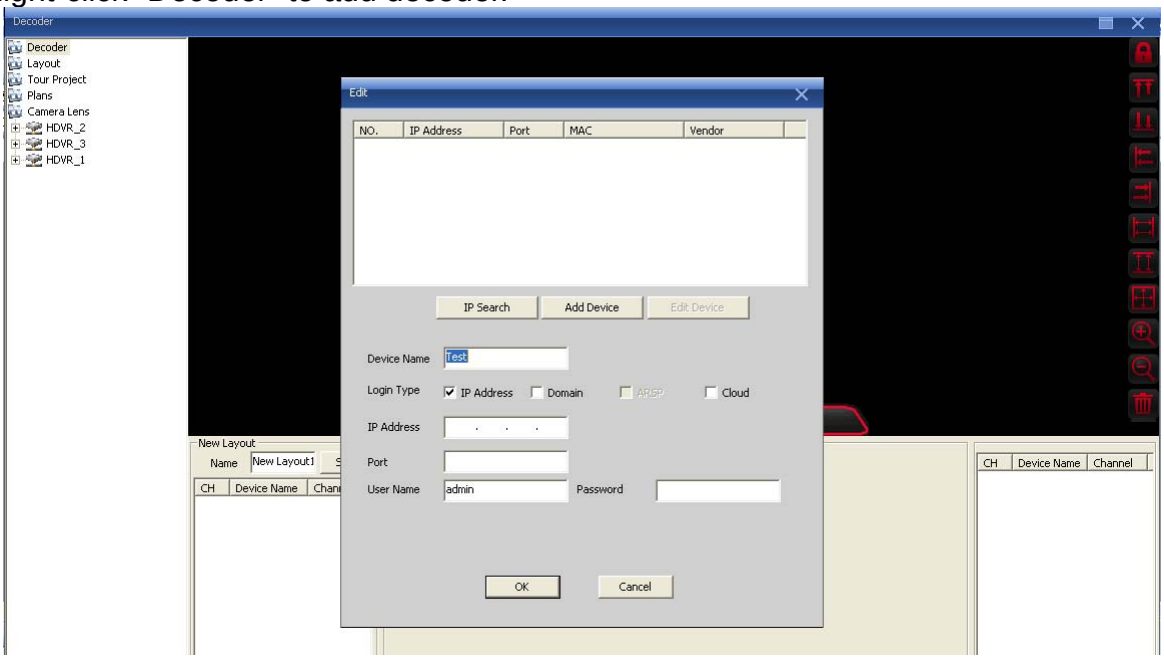
5.1 Decoder

It can manage and configure remote decoder easily.

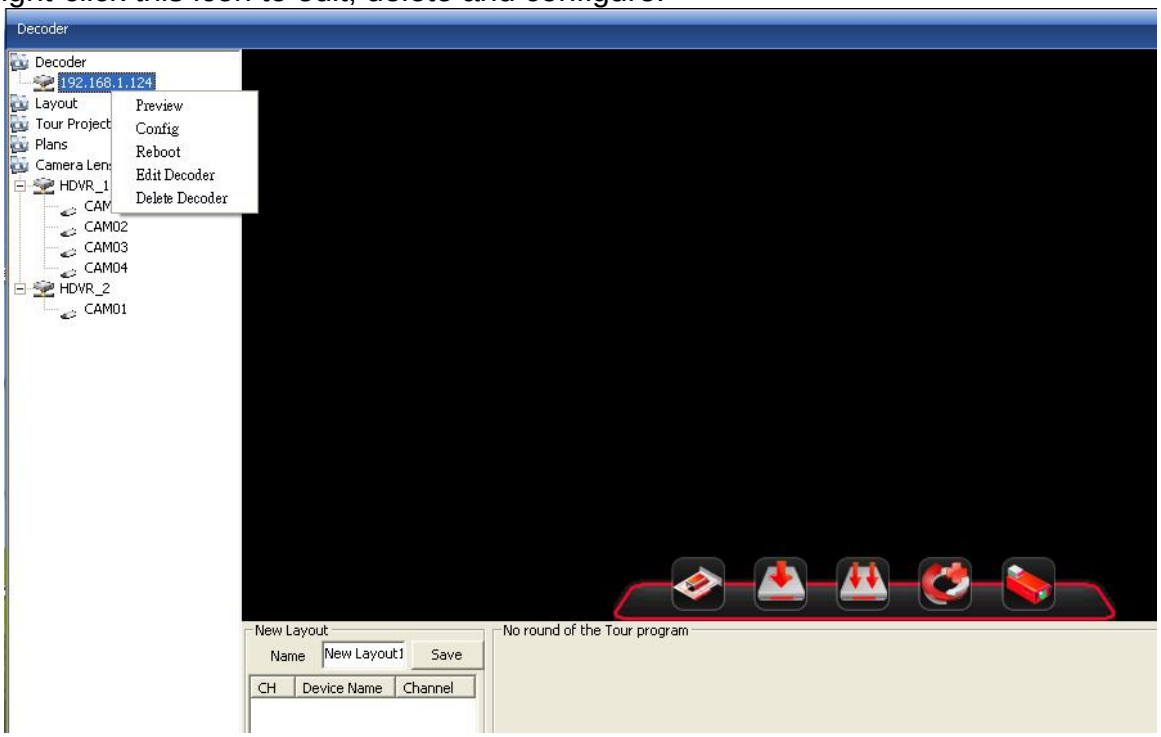


5.1.1 Adding Decoder

Right-click “Decoder” to add decoder.

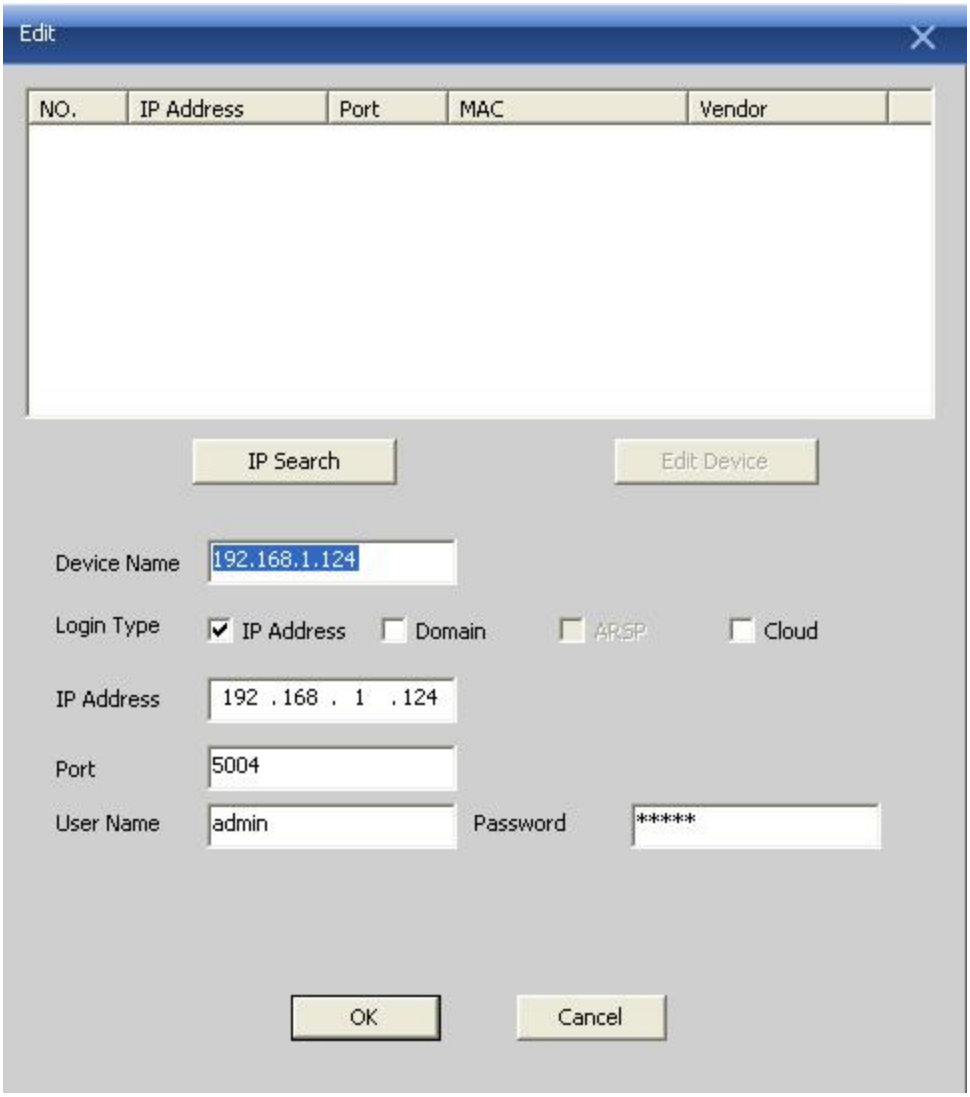


Device Name: Name of decoder.
Domain: Domain name of decoder.
IP address: IP address of decoder.
Port: TCP port, default is 34567.
User Name: Login name of decoder, default is admin.
Password: Password of decoder.
After you add decoder successfully, it will come out a "decoder" icon in this interface. Right-click this icon to edit, delete and configure.



5.1.2 Editing Decoder

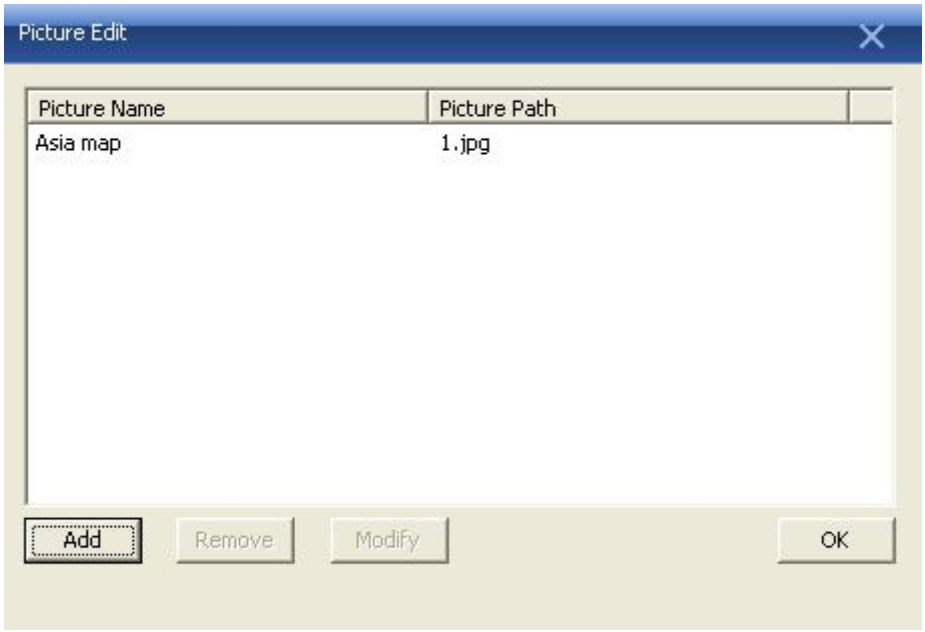
Right-click on decoder icon and select “Edit Decoder” to edit decoder.



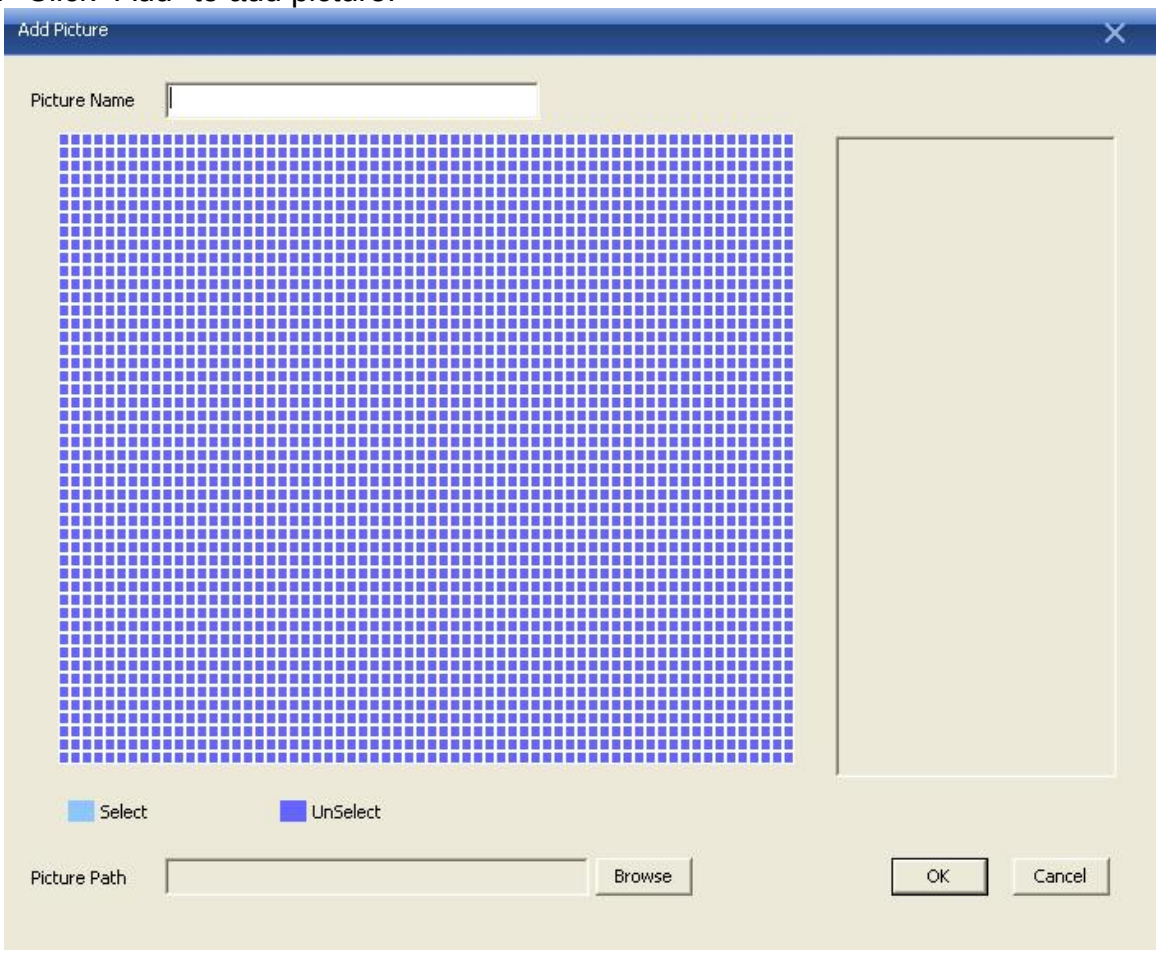
5.2 E-map

E-map is a plan for simulating live screen. User can use it to add and delete cameras and set e-map alarm activation.

1. Click "Edit" first on the left bottom and then click "Picture Edit".



2. Click "Add" to add picture.



3. After setting picture name, description and picture path, click "OK" to go back to the main interface. Next, click "Picture" and drag 1 picture to the right side.

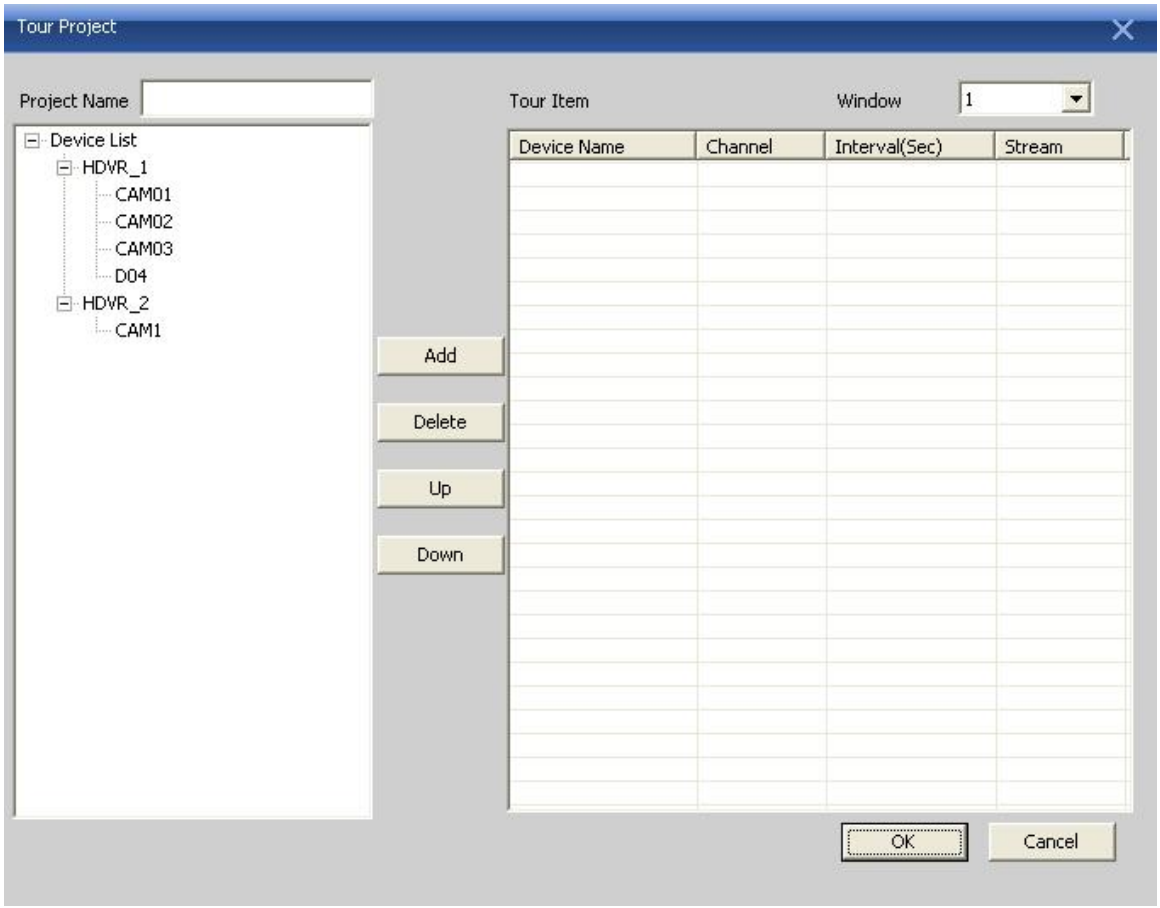


4. Click "Device" to drag device's channel to the map and then the channel name will appear on the map. Double-click it to name and describe it. When the “Edit” is unchecked, you can double-click it to display image.

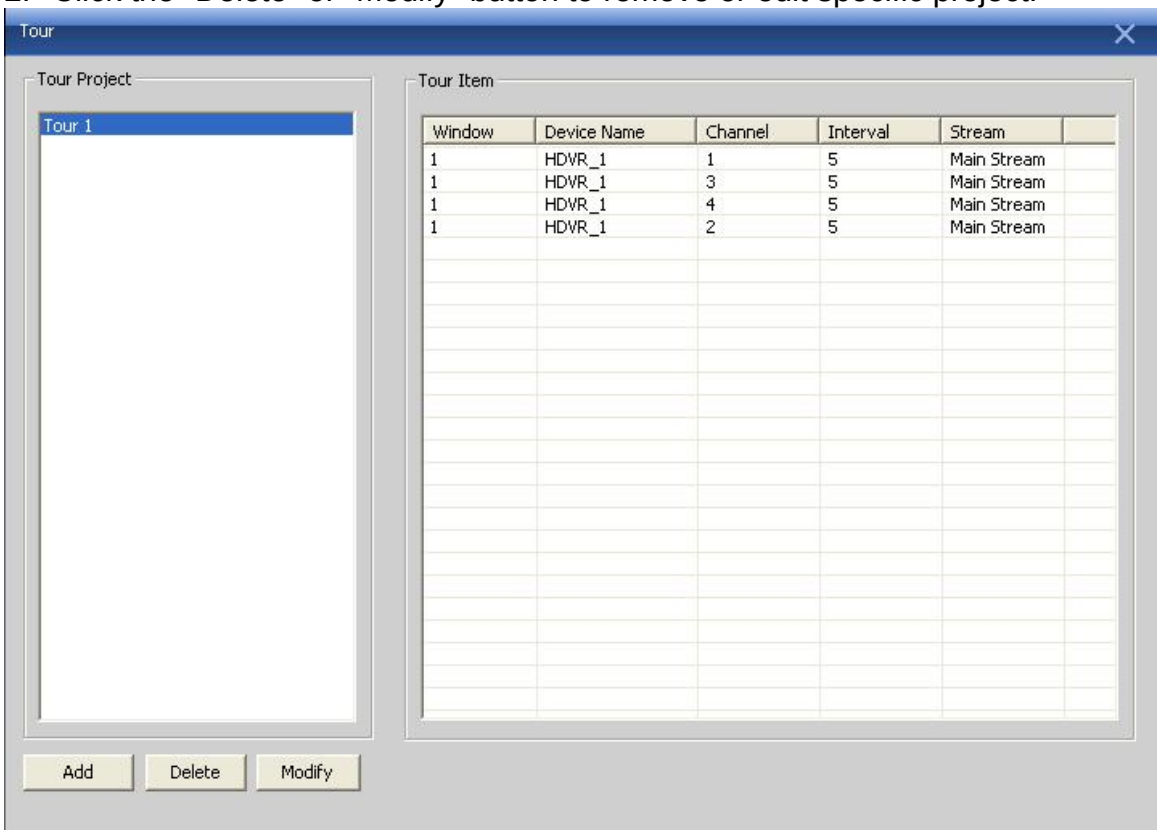
5.3 Tour

Arranging devices to display channels alternately.

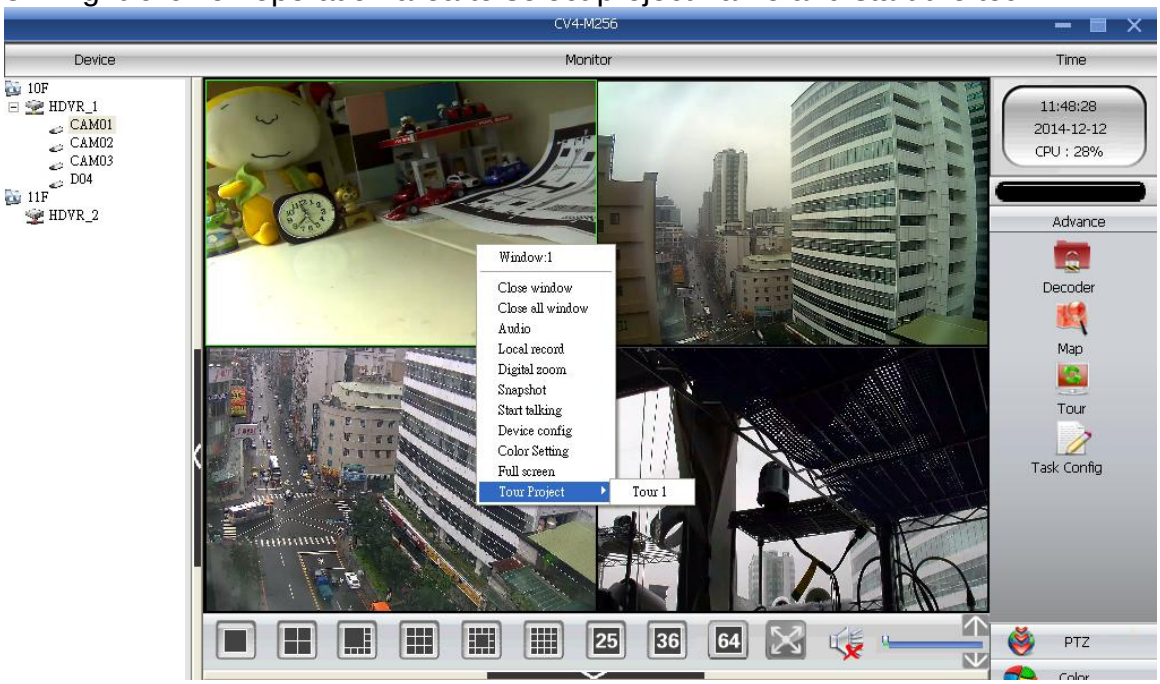
1. Click the "Add" button first. Next, input "Project Name" and add cameras of device list to tour item. You are able to adjust display sequence of cameras via the “Up” and “Down” button.



2. Click the "Delete" or “Modify” button to remove or edit specific project.



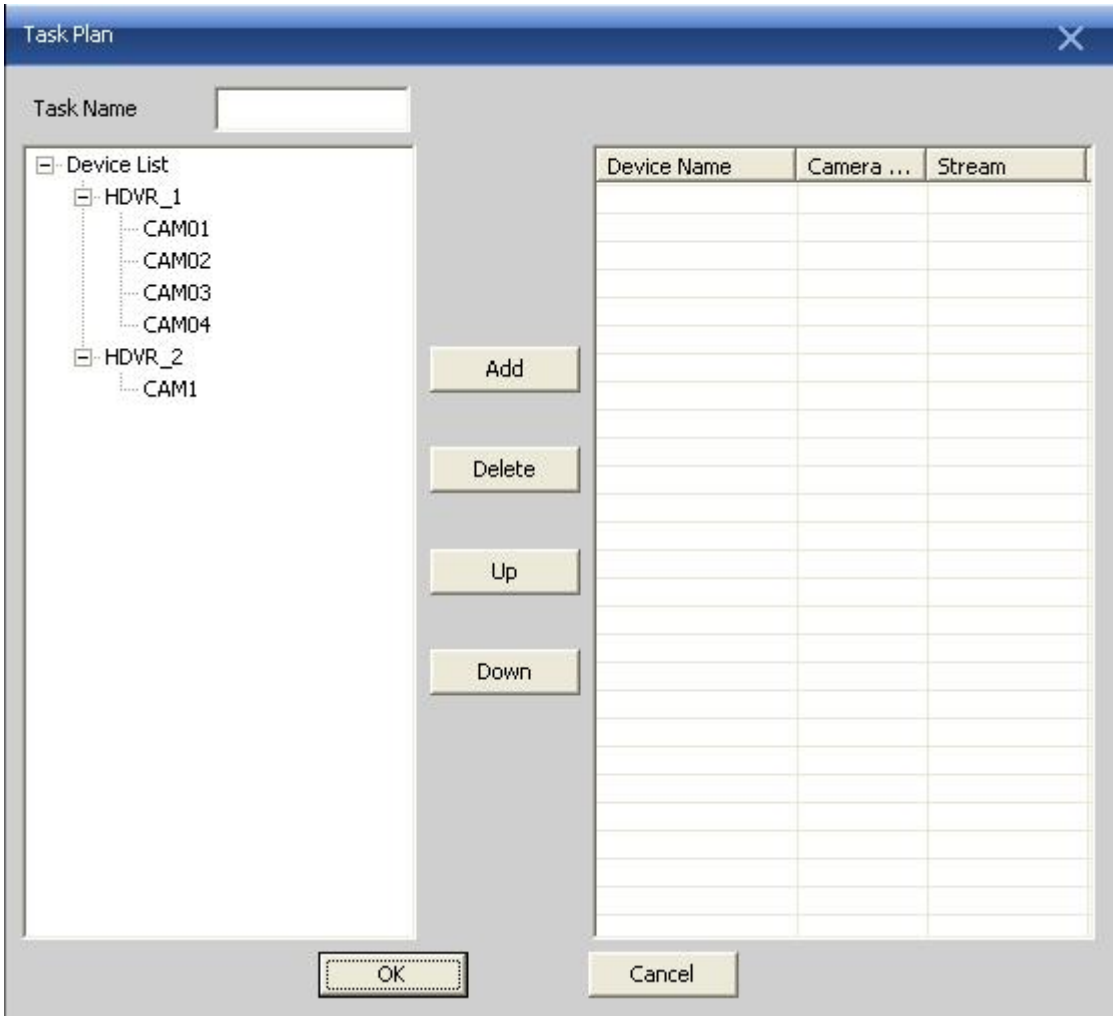
3. Right-click on operation area to select project name and start the tour.



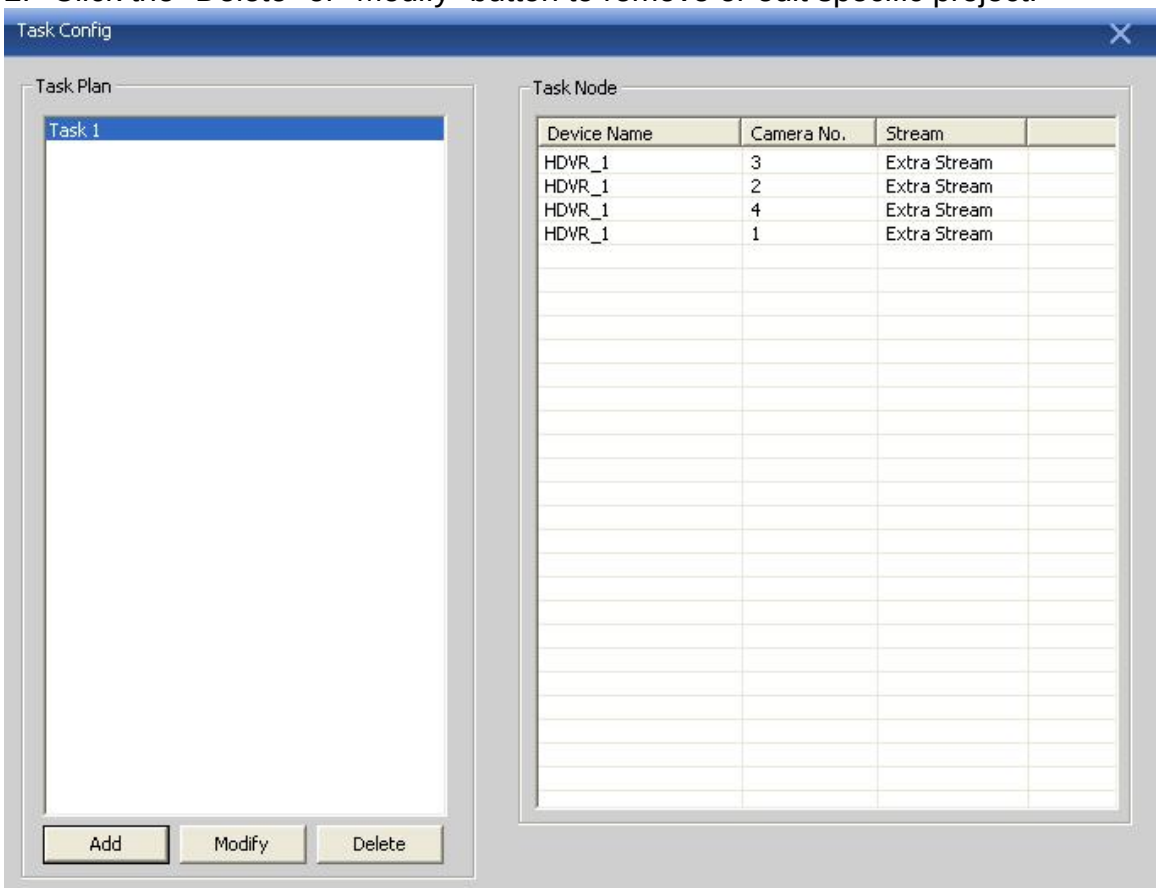
5.4 Task

User is able to arrange live view of channel sequence via task setting.

1. Click the "Add" button first. Next, input "Task Name" and add cameras of device list to task item. You are able to adjust display sequence of cameras via the “Up” and “Down” button.



2. Click the "Delete" or “Modify” button to remove or edit specific project.



3. Right-click on device display area to select task name and start the task.




CV4-M256
Device
Monitor
Time
10F
HDVR_1
CAM01
CAM02
CAM03
CAM04
11F
HDVR_2
14:31:27
2014-12-12
CPU : 12%
PTZ
Zoom
Focus
Iris
Pan
Preset
01
Tour
01
25
36
64
PTZ