



4-Channel IP Surveillance Kit

C4CHIPSKIT



V1.0

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1. Installation

1.1. HDD Installation

1. Ensure Power supply has been disconnected, open the case cover;
2. Connect HDD data line, power line first , then fix the HDD in the case;
3. Install the cover, connect the power, which with adaptor, press the power switch;
4. Format the HDD (Please check details from : System Setup—Peripherals—Storage—Format);
5. NVR can normally make snapshot and video.



Remove the screws



Remove the cover



Connect Hard disk data cable



Connect Hard disk power cable



Fix the Hard disk



Fix the screws of the disk



Close the cover



Fix the screws of the box

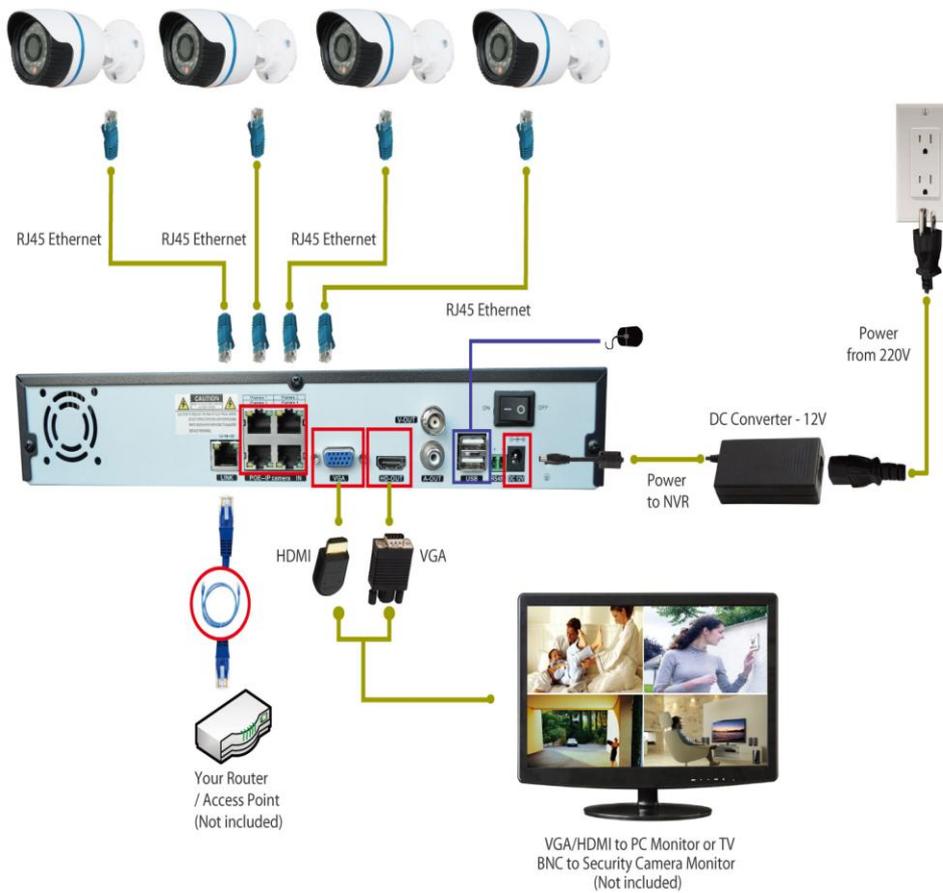
1.2. Front /rear Panel and connection



Front panel



Rear panel



1.3. Remote Operation



No.	Description
1	Single/quad screen switch
2	Playback video
3	number
4	Return to previous menu
5	Move selection
6	Press this key , it will recycling show Right Click Menu, Main Menu and Status Menu , it also has enter function
7	Device match ID, can make the Remote and NVR one-to-one control
8	Playback control and record

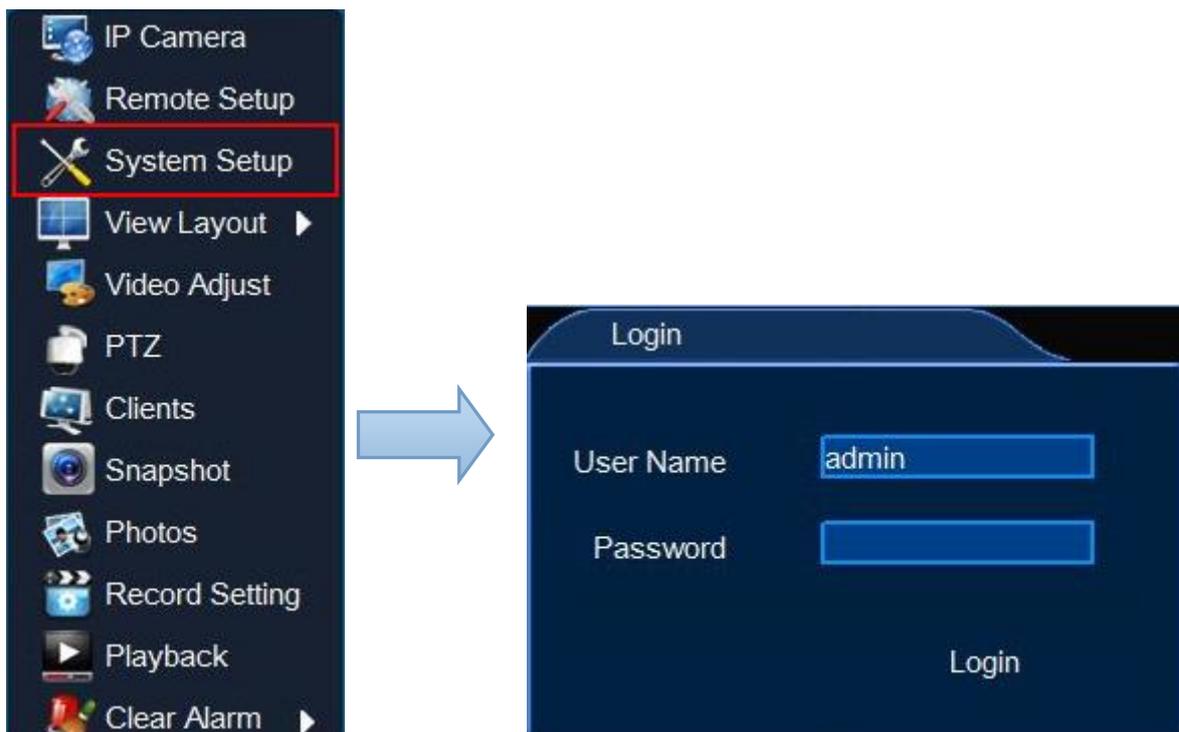
1.4. Previewing window icon

Icon	Description
	Means recording
	Means client-end is linking this channel.
 (Yellow)	means that this channel is set alarm, but is not triggered
 (Red)	Means the alarm is triggered.

2. Fast Operation

2.1. Normal Login

After starting system, right click and popup the main menu list, select System setup, it will popup the login windows, after login user can make other operation.



1. [User Name] input default user name 'admin';
2. [Password] is empty, not input anything
3. Single click [Login], then finish login operation.

Default Settings

IP Address	192.168.1.8
User	admin
Password	(No Need)

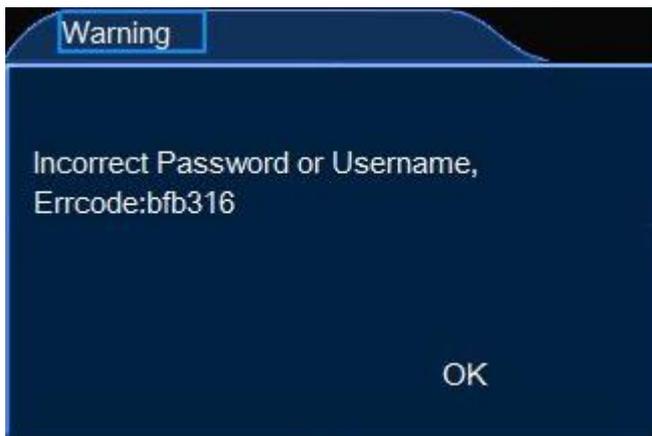
Remarks: If login failure for 3 times, mouse will be locked for 10 seconds, NVR will alarm until login successfully.

2.2. Temporary Login

If forget user name and password and make login failure, can use temporary login.

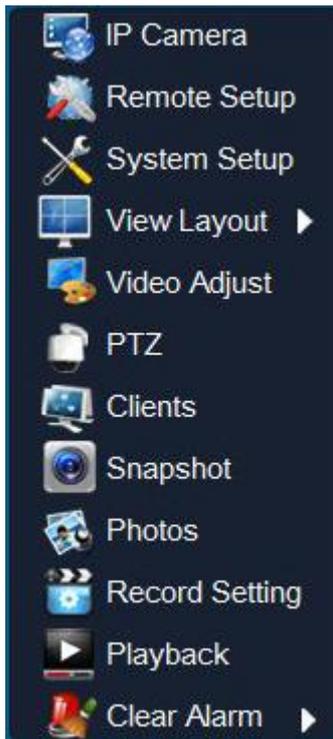
Steps:

1. Error login again, note [error code],
2. Contact with customer service, they will tell a temporary user name and password.



3. Menu Operation

Menu Operation is functions at [Right Click Menu] and [Main Menu], in order to make operation more easily.

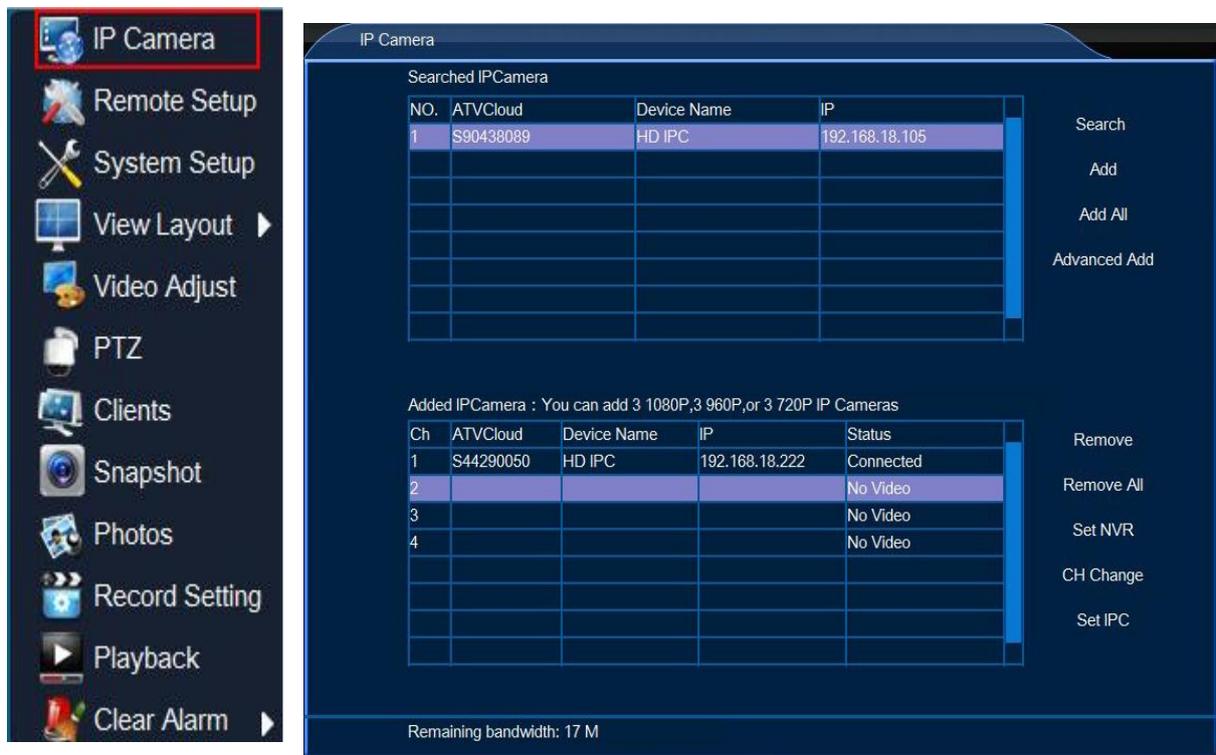


Right Click Menu: IP Camera ,Remote Step, System Setup, View layout, Video Adjust, PTZ, Clients, Snapshot, Photos, Record setting, Playback, clear Alarm;



Main Menu: : System Setup, View Layout, Sequence Interval, Zoom, Video Adjust, PTZ, Snapshot, Photos, Record Setup, Playback, Shutdown.

3.1. IP Camera



Search/connect steps .

1. Right click and select “IP camera” to enter into add IP camera menu.
2. **Search:** search the IP camera in this LAN;
3. **Add:** Add the select camera to the added camera list
4. **Add all:** add all camera to the added camera list
5. **Advanced add:** input IP camera ID and password manually
6. **Remove:** delete the selected camera from the added camera list
7. **Remove all:** delete all the camera in the added camera list.
8. **Set NVR:** configure the NVR network
9. **CH Change:** change the camera channel sequence
10. **Set IPC:** Set camera password/Net setup/Stream/Video adjust/

3.2. View Layout

Function Location: Right Click Menu:  View layout



Function Summary: while previewing, it can adjust screen distribution mode, can choose View1, View4.

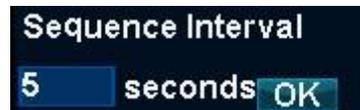
3.3. Sequence Interval

Function Location: Main Menu: 

Function Summary: [Sequence interval] can show the previewing screen in turns, after finishing Sequence Interval, the screen layout will be the same with that before this function.

1. Setup how time interval ;

2. Single click [OK], then start 'Sequence Interval'

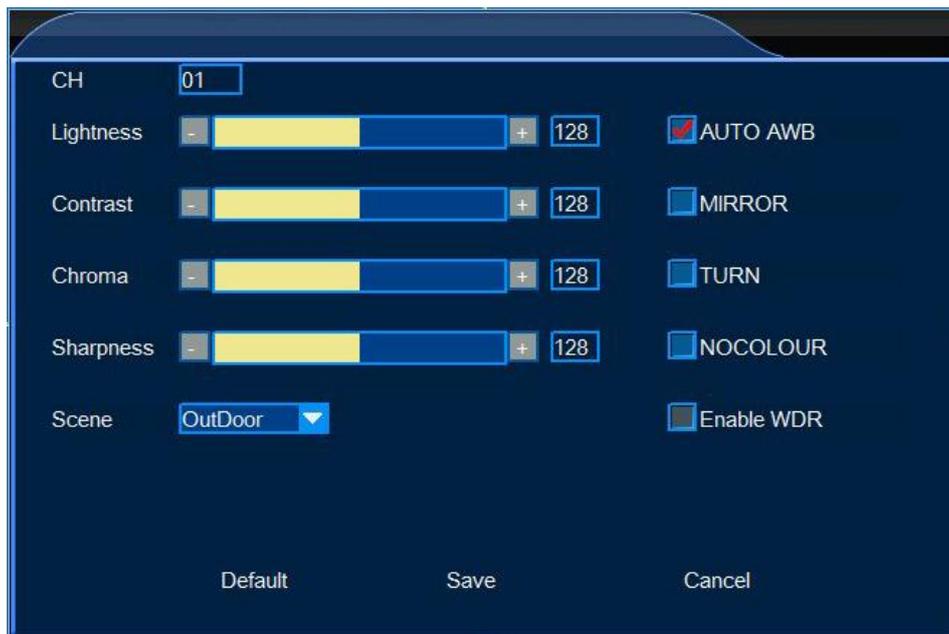


3. Single click  button, can stop Sequence interval function.

3.4. Video Adjust

Function Location: Right Click Menu:  Video Adjust

Main Menu: 



Function Summary: can setup different video effects, Lightness/Contrast/Chroma/Sharpness/Scene/AUTO AWB/Mirror/Turn/NOCOLOR/Enable WDR

3.5. Zoom

Function Location:: main menu:



Function Summary: To enlarge the picture part of the contents of the target channel.



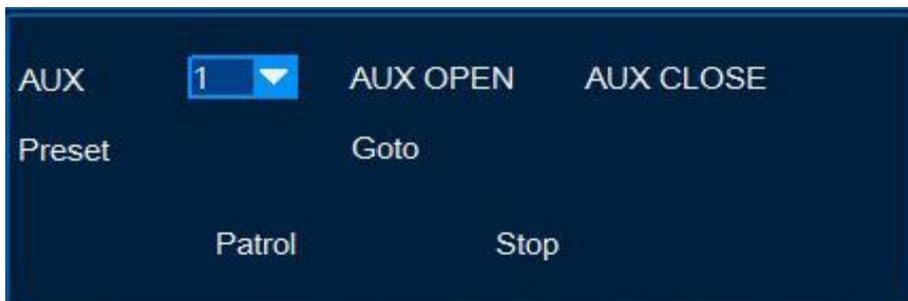
3.6. PTZ

Function Location: Right Click Menu:  PTZ

Main Menu: 

Function Summary:

[PTZ Adjust] can adjust PTZ lens direction, Iris, Focus, Zoom, Speed, Aux open , Preset ,Patrol



3.7. Clients

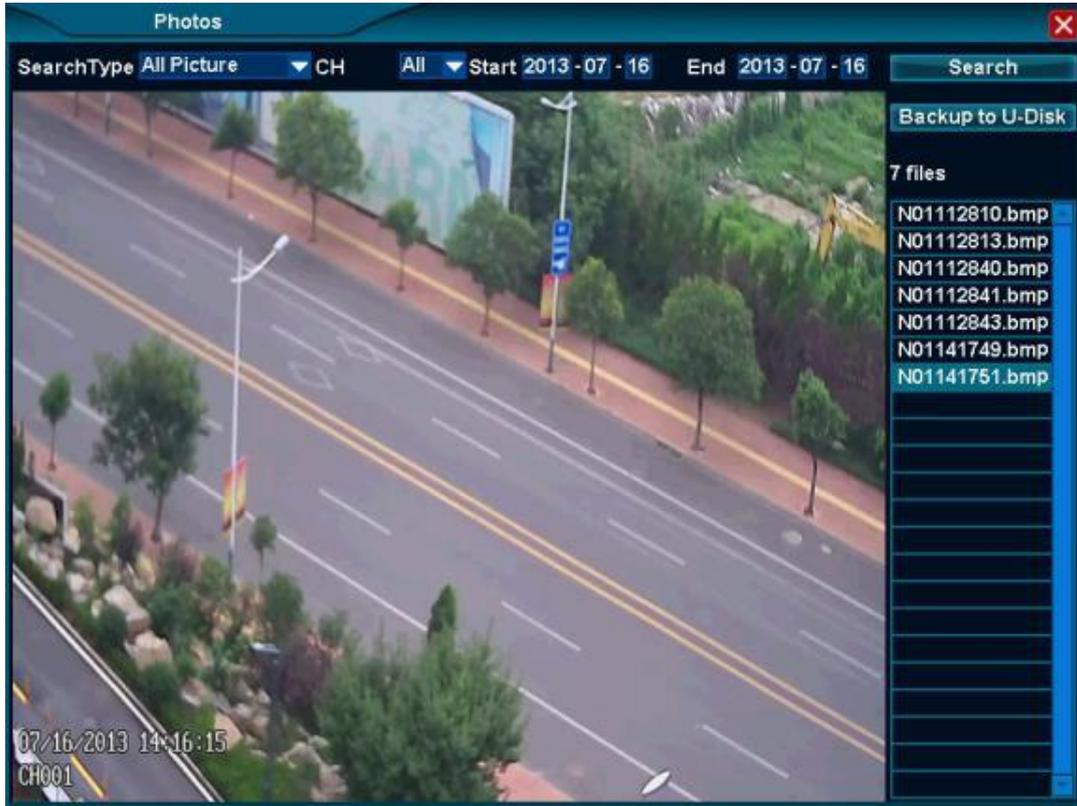
Function Location: Right Click Menu:  Clients

Function Summary:

1. Count client-end numbers that connecting with the NVR;
2. Disconnect any connection, or disconnect all connections.

Function Summary:

1. Can query the snapshot stored in the NVR, include manual snapshot, alarm snapshot, record snapshot.
2. Can copy the snapshot into USB disk.



Snapshot Query

1. [Search Type] choose snapshot type, default is All Picture;
2. [Channel] choose the channel for snapshot, default is All channels;
3. [Start] ~[End] is snapshot time range (Longest is 1 month), default is 'today' ;
4. [Search] button, single click, then the right list can show the eligible snapshot.

Remarks: single click can show the snapshot contents.

Picture Backup

1. Connect FAT32 format U disk into the NVR USB port;
2. Single click to choose a picture and it can only choose one;

3. Single click [Backup to U-disk], after the prompt shown backup successfully can take away the U disk.

3.10. Record Function

Record function includes:

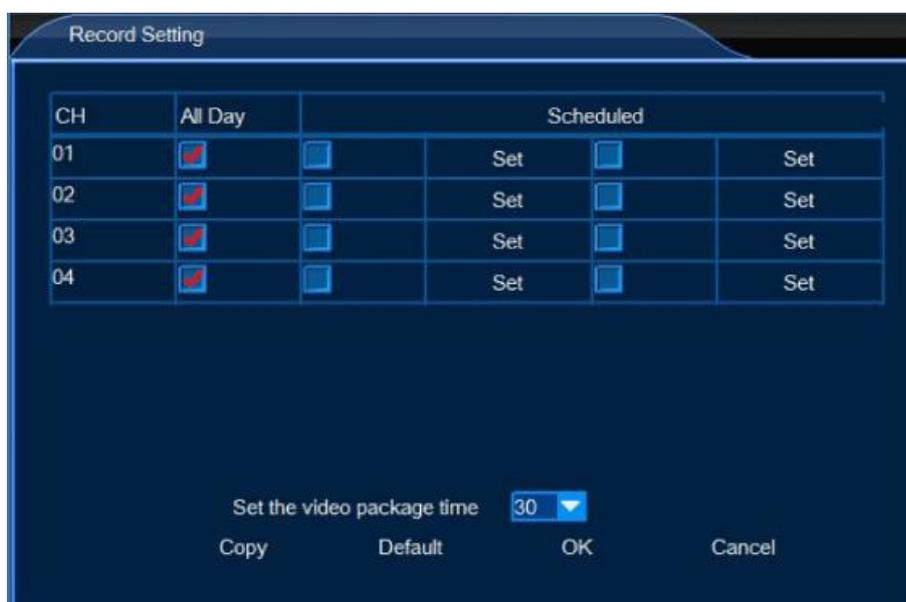
Record Setup: open/close Manual Record (default is open), open/close scheduled record;

Function Location: Right click menu:  **Record Setting**

Main Menu: 

Function Summary:

1. Can open/close each channel Manual Record;
2. Can open/close each channel Scheduled Record.



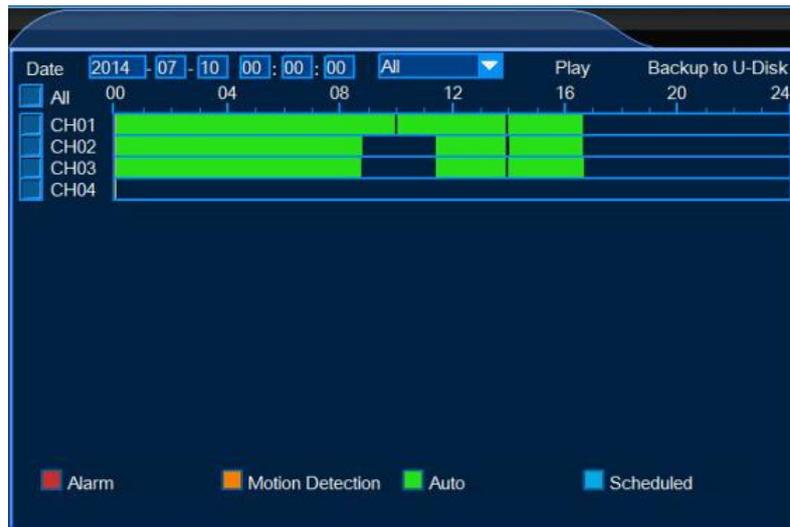
3.11. Playback

Function Location: Right Click Menu:  **Playback**

Main Menu: 

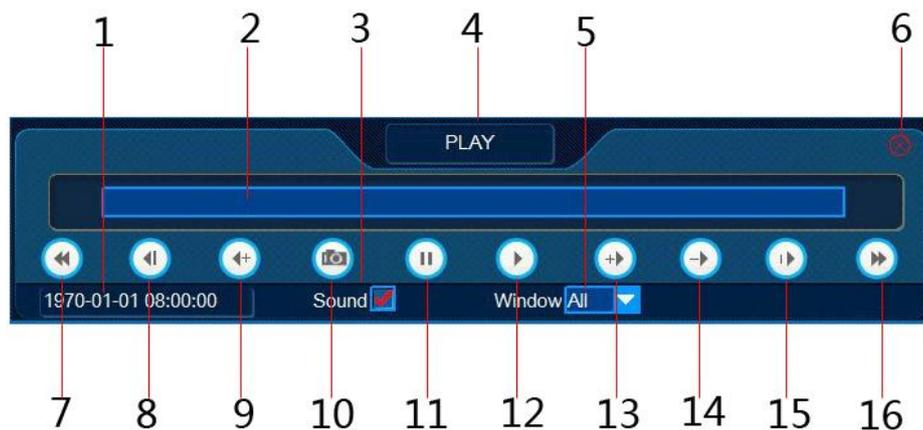
Function Summary:

1. It can query, playback record file of any channel;
2. It can backup file into U disk.



Playback Adjusting

When playback, users can adjust the speed and progress.

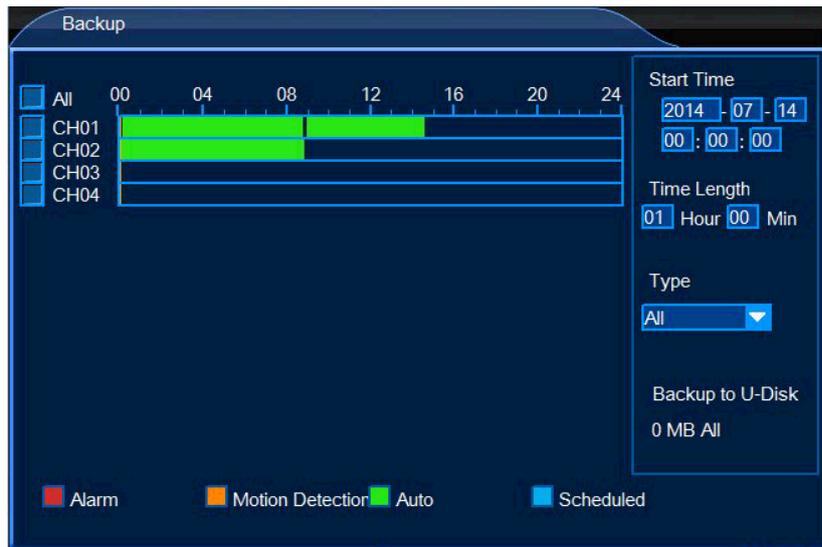


Serial No.	Name	Description	Serial No.	Name	Description
1	Playback time	Current playback time	9	Fast Backward	Fast backward display, single click to switch X8/X16
2	Progress Bar	Progress of the current playback file in 1 hour	10	Snapshot	Snapshot for object screen
3	Sound	Open/close sound playback	11	Pause	Pause display
4	Condition	Playback Condition	12	Display	Display the video
5	Window	Choose the operation window	13	Fast Display	Accelerate display , single click to switch X2/X4/X8/X16
6	Shutdown	Exit the playback	14	Slow Display	Decelerate display, single click to switch X1/2 ,X1/4, X1/8, X1/16
7	A Hour Ago	Choose the window and	15	Single Frame	Each single click can go ahead 1frame

		playback the video a hour ago			
8	Backward	Each single click chosen widow ,it will back up 2S	16	Next a Hour	Choose the window and display the video next hour

Backup

Backup the record file into U-disk.



Operation Steps:

1. Single click [Backup] , open the backup interface;
2. Modify the backup start time;
3. Modify the backup time range;
4. Choose Record Type, Scheduled/ Manual/Alarm/ Motion detection record;
5. Choose backup channel;
6. Single click [Backup to U-disk] to backup the file selected into U disk;
7. Install the display plug-in, then can use Media Player to display the backup file.

3.12. Clear Alarm



Function Location: Right Click Menu:

Function Summary: can clear some channel or all channel Alarm effect.

1. Right click alarming channel, choose [Clear Alarm/ Current] can clear alarming of current channel;
2. Right click all channels, choose [Clear Alarm/ Clear All] can clear alarming of all channels.

3.13. Shutdown

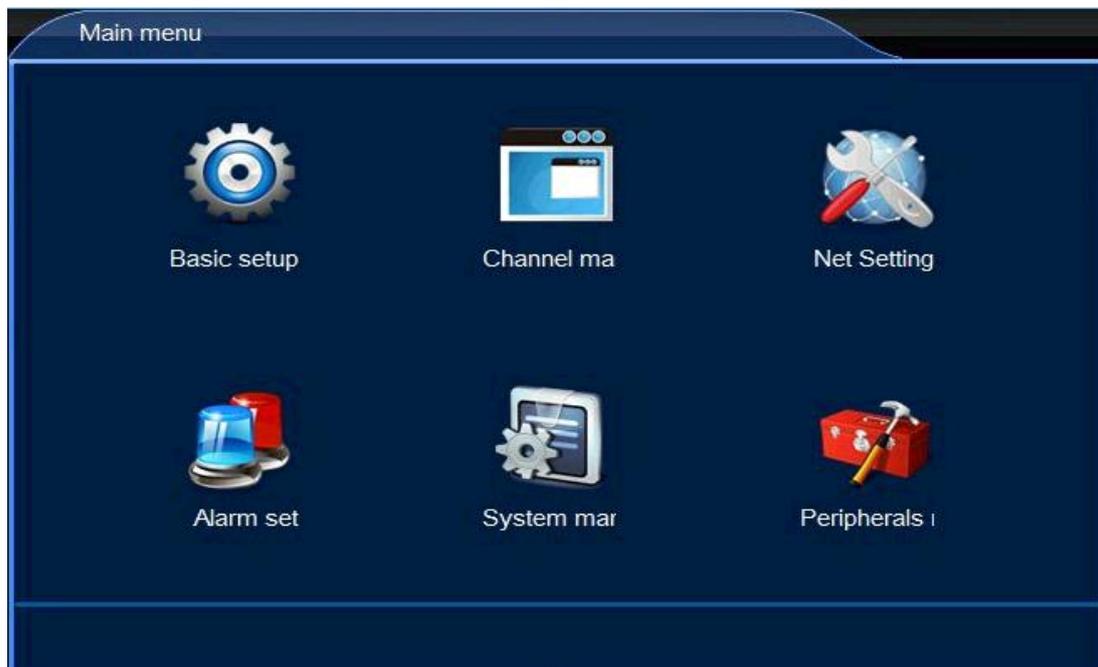


Function Location: Main Menu:

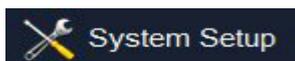
Function Summary: Logout, Shutdown and Restart.



4. System Setup



Function Location: Right Click Menu:



4.1. Basic set



Functions:

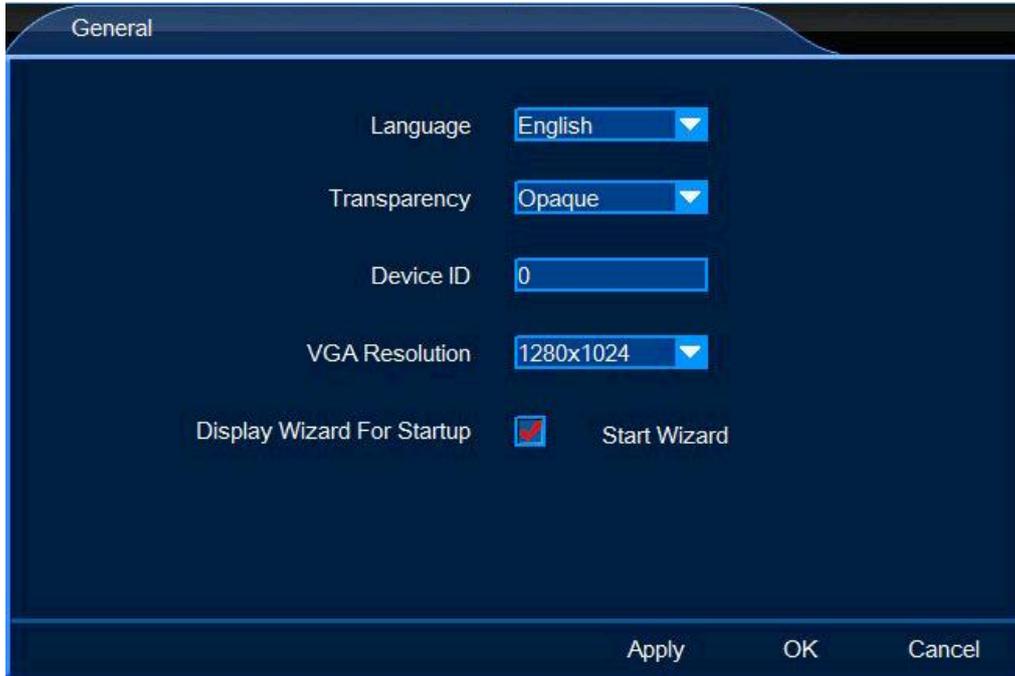
General: for example: Language, Transparency, VGA Resolution, Device ID, Wizard, etc.

Time: for example date format, Set Date/Set Time, Auto Synchronize Time, Time zone setting;

User: Local User, Network User Add/Delete/ Edit.

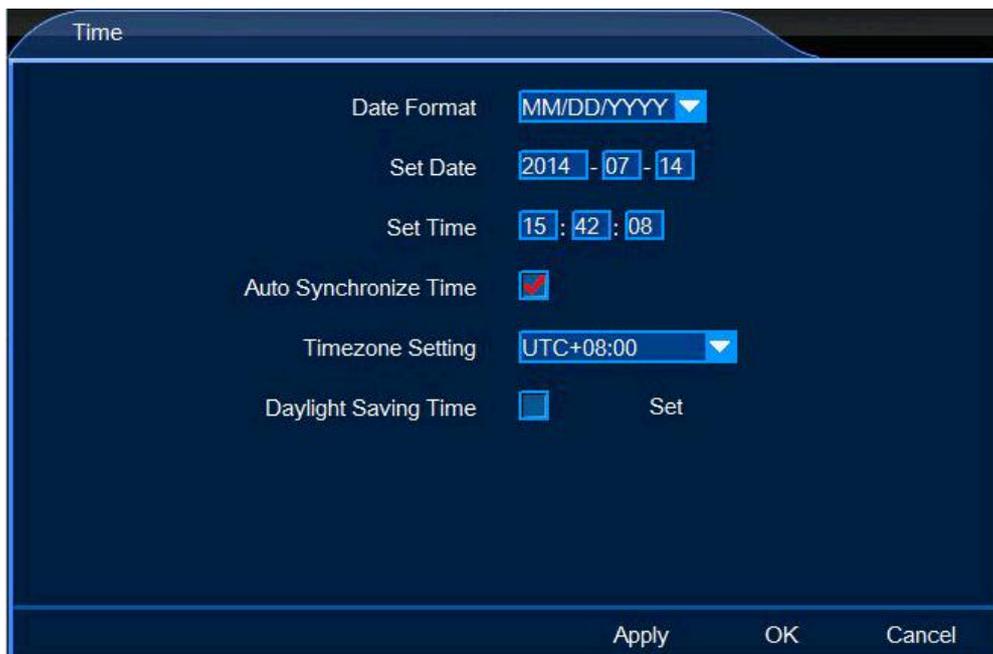
General

Function Summary: Set language/Transparency/Device ID/VGA/Wizard



Time

Function Summary: Setup system time, for example Set date, Set Time, Timezone Setting, Auto Synchronize Time, etc.

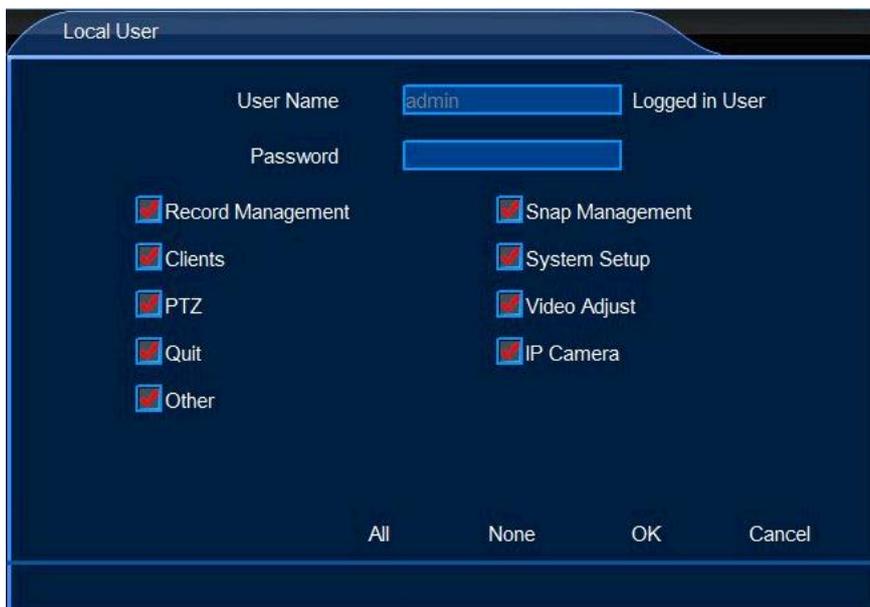
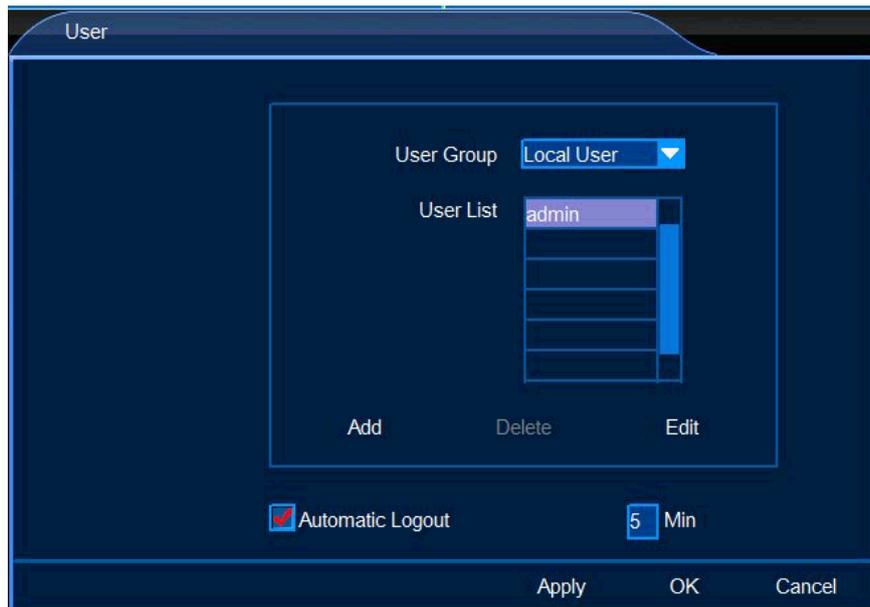


User

Local User

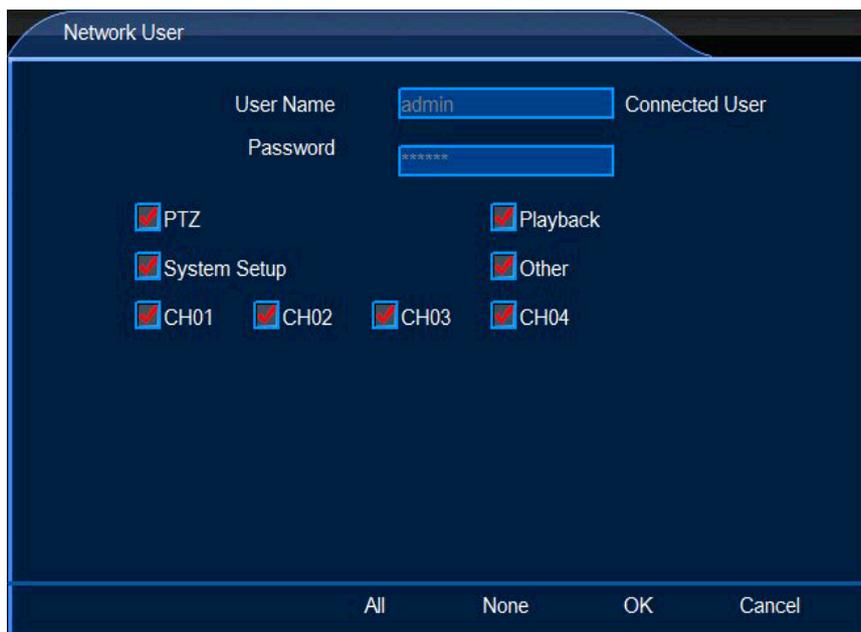
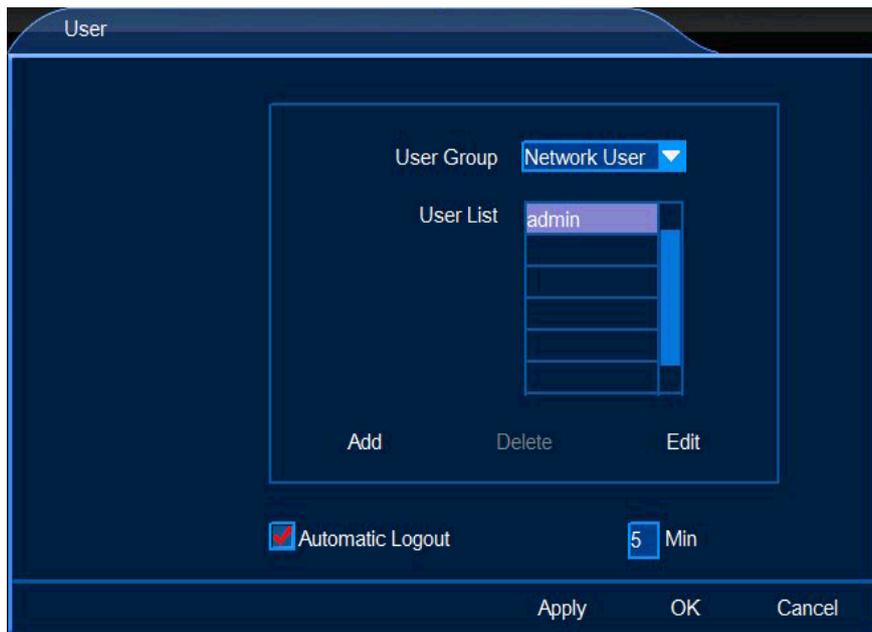
Function Summary:

1. It allows local users login the NVR and make allowed operation;
2. It allows add/edit/delete local users.



Network User

Function Summary: while remote monitoring, this setting will be as the user name and password in client-end.



4.2. Channel

- Function:**
- 1.**Preview:** Channel name, OSD position, Hide video, Privacy mark;
 - 2.**Stream:** Main code stream image size and code rate; minor code stream image size, kbps, fluency
 - 3.**Audio setting:** Audio compression, Audio monitoring
 - 4.**Privacy Mask:** Each channel most support



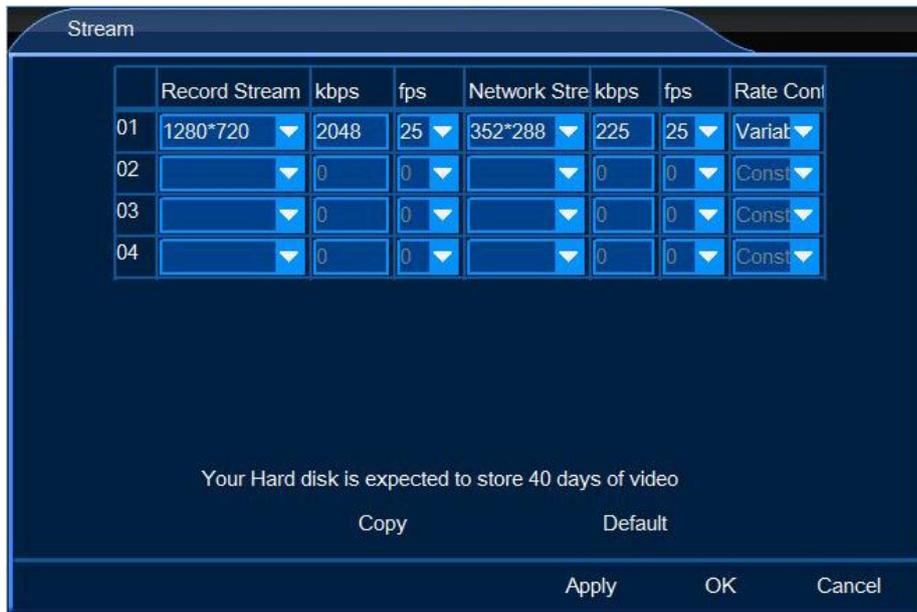
Preview adjustment

Function introduction: 1. Modify channel name;
 2. Modify OSD position
 3. Hide video



Stream setting

Function introduction: 1. Record stream setting—stream for local record;
 2. Network stream setting—stream for network transmission



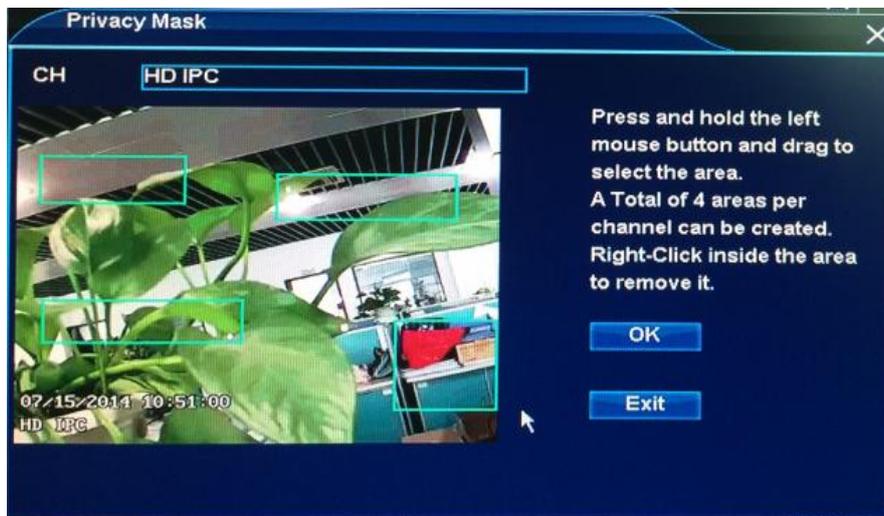
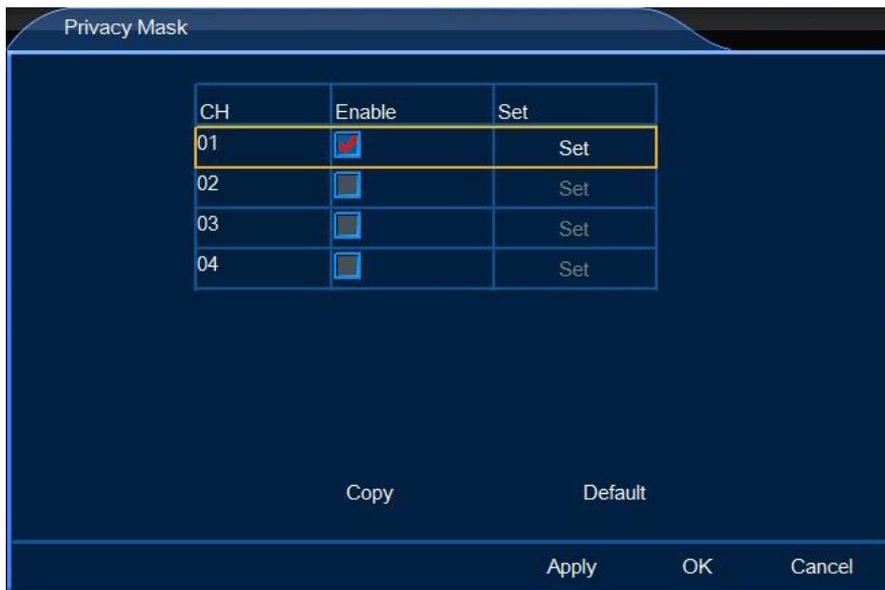
Audio setting

Function introduction: Audio record setting—Record audio open/close:



Privacy mask

Function introduction: Hide the part of camera, max 4 privacy mask.



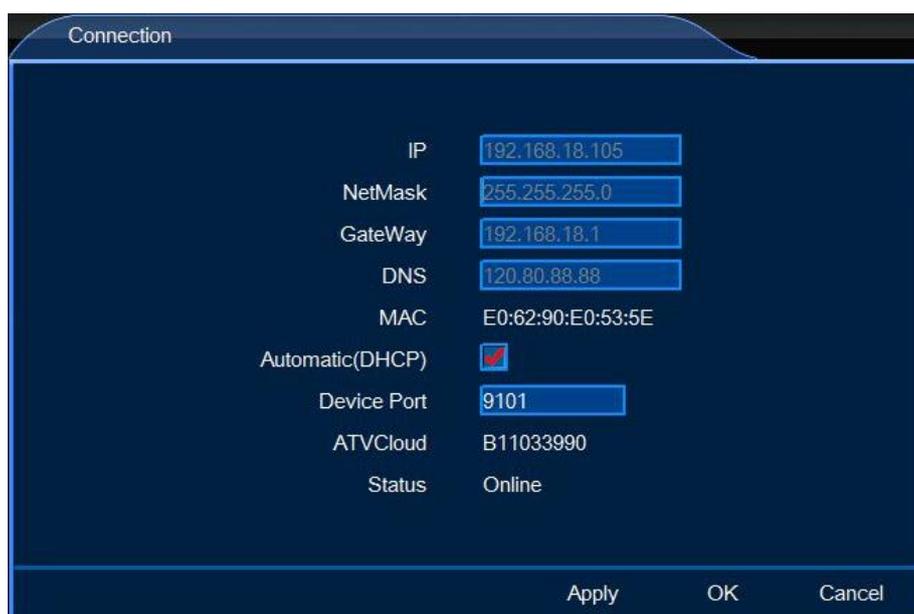
4.3. Network

- Function introduction:**
- 1.Connection: DHCP gets IP automatically in LAN, Manual setting IP in LAN, Device Port, NVR viewer2 ID, Status.
 - 2.Service: HTTP service port, ONVIF service, DDNS(DYNDNS/NO-IP/Myq_see,etc)



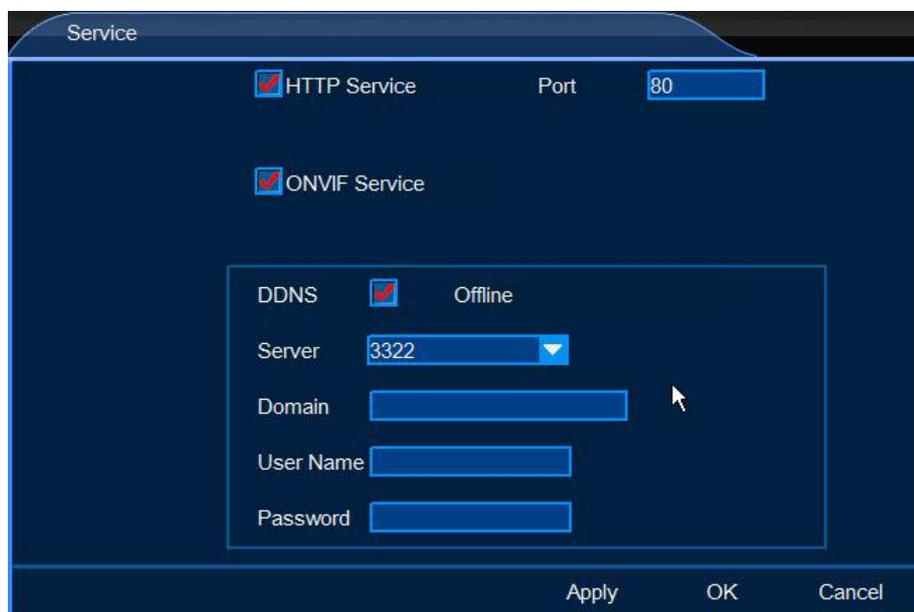
Connection

Function introduction: IP manually setup, DHCP(Auto get IP address),Device port, NVR viewer2, Status.



Service:

Function introduction: HTTP port(default port is 80),ONVIF Service(connect other brand camera via ONVIF protocol),DDNS(support DYNDNS/NO-IP/MYQ_SQEE,etc)



4.4. Alarm Set

Function introduction:

1. Set E-mail alert
2. Set motion detection alarm, alarm output
3. Set video lost alarm, alarm out
4. Set device alarm, alarm out
5. Set motion alarm task
6. Set video lost alarm task
7. Set device alarm task



E-mail setting

Function introduction: setting email parameters: sender setting, receiver setting, Interval etc

E-Mail

Sender Setting

SMTP

Port 25

SSL&TLS NONE

User Name

Password

Interval 1 Min

Receiver Setting

Receiver Email Address

Modify

Add Delete

Mail Testing

Apply OK Cancel

Motion detection

Function introduction: When there is an object move, NVR can alarm and send alarm-out

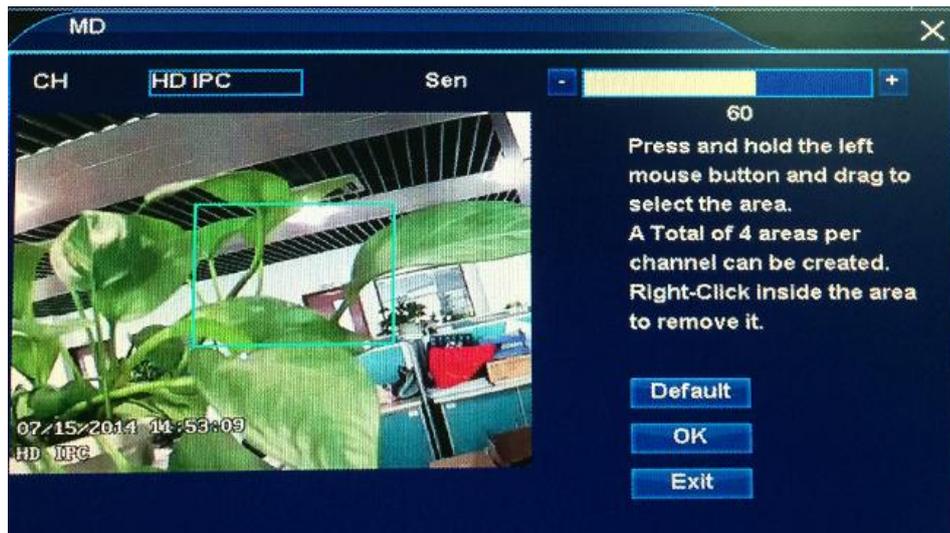
MD

CH	Enable	Set	Alarm Output
01	<input checked="" type="checkbox"/>	Set	Set
02	<input type="checkbox"/>	Set	Set
03	<input type="checkbox"/>	Set	Set
04	<input type="checkbox"/>	Set	Set

Copy Default

Apply OK Cancel

Enable Motion detection



Set motion detect area/sensitivity

(Note: The more number, the more sensible, the much easier to detect the move object)



Set motion alarm trigger output

1. Keep Alarm:1-999s available
2. Turn on the Buzzer: NVR will send out buzzer alarm
3. Send to Client: It will send alarm to Client-end
4. Video channel: the Client-end connect with this channel
5. E-mail alert: It will send emails to collection box
6. Send picture in attachment
7. Snapshot, take alarm picture
8. Call PTZ camera preset(Only support PTZ camera)
9. Start record: It will record the selected channels
10. Output Module: It will open alarm for the relative device (normal close)

No video

Function introduction: When detect no video, NVR will send alarm alert

The image shows two screenshots of an NVR configuration interface. The top screenshot is titled 'No Video' and contains a table with columns 'CH', 'Enable', and 'Alarm Output'. The bottom screenshot shows detailed alarm settings including 'Keep Alarm' duration, various notification options (Turn On The Buzzer, Send To Client, E-Mail Alert, Send Snapshot, Snapshot, Call Preset, Start to Record, Output Module), and video channel selection for each notification type.

CH	Enable	Alarm Output
01	<input type="checkbox"/>	Set
02	<input type="checkbox"/>	Set
03	<input type="checkbox"/>	Set
04	<input type="checkbox"/>	Set

Buttons: Copy, Default, Apply, OK, Cancel

Keep Alarm: 5 seconds

- Turn On The Buzzer
- Send To Client
- E-Mail Alert
- Send Snapshot
- Snapshot
- Call Preset: 1
- Start to Record
- Output Module

BR: 2400

Video Ch: CH01 (5 instances)

Addr: 0

CH: 0

Buttons: Default, OK

Alarm device

Function introduction: When touch alarm device, it will send alarm out.



Alarm task(Motion alarm / lost Video alarm /Device alarm)

Function introduction: It only send alarm output in preset time

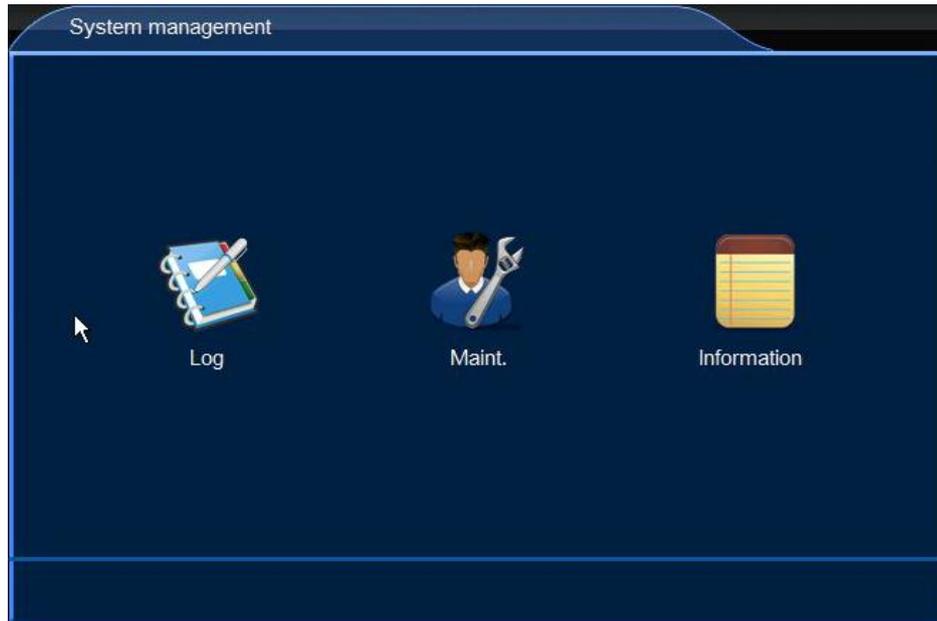


4.5. System Management

Function introduction:

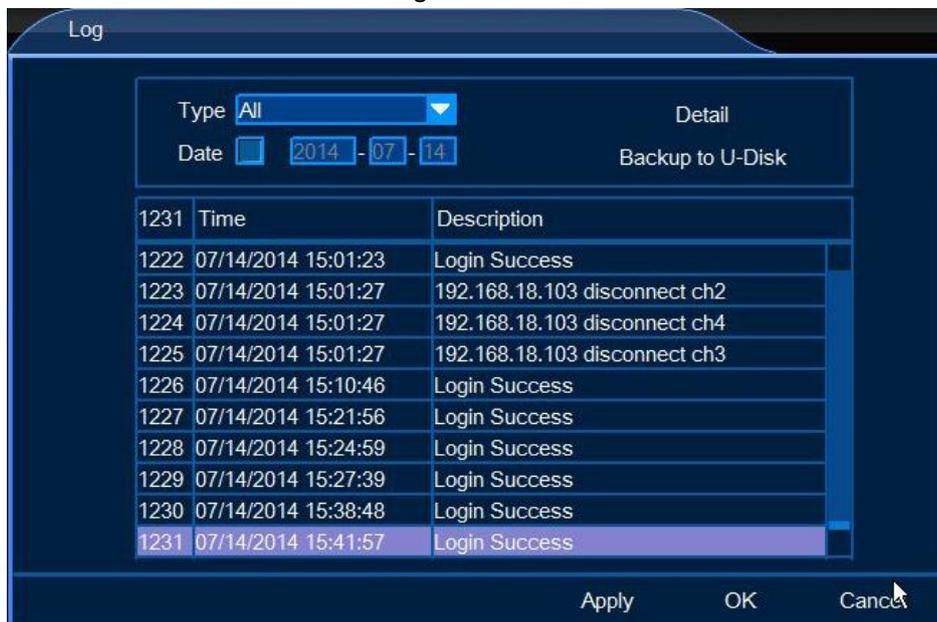
1. **Log:** IP camera and NVR logo
2. **Maintenance:** Reboot setup, software update, Register, Reset factory.

3. Information: NVR hardware/software information



Log:

- Function introduction:**
1. Search NVR operation log
 2. Save the logs to U-disk

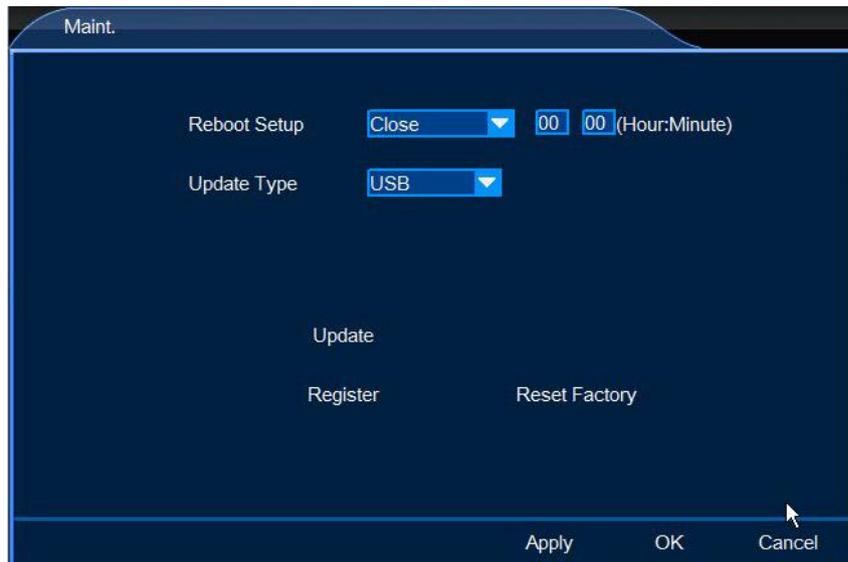


Maintenance

Function:

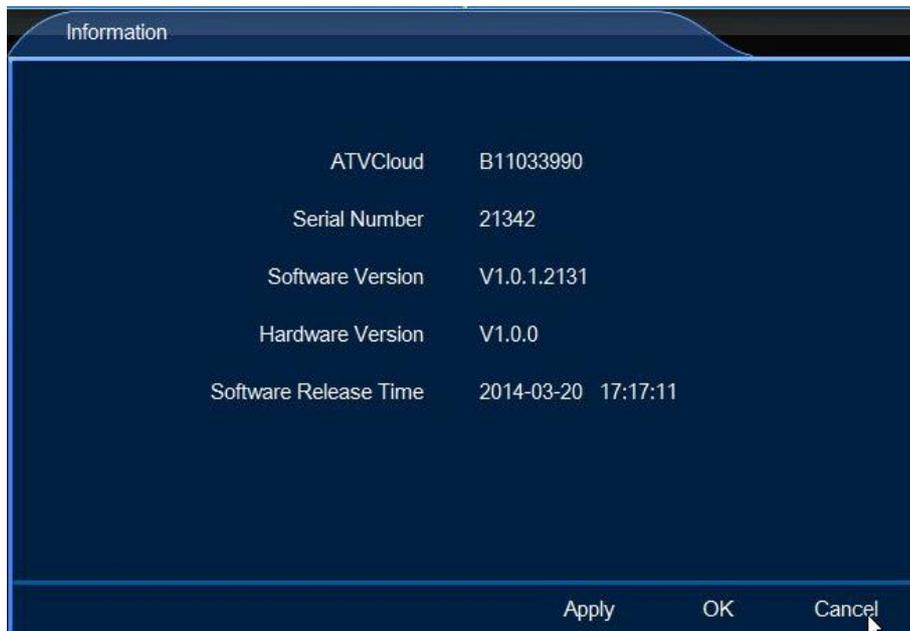
1. Time reboot: This NVR can be set reboot schedule.
2. Software update: U-Disk
3. Register: Register the NVR on internet

4.Reset factory : Reset NVR setting to factory setting.



Information:

Function: Display the NVR NVR VIEWER2/Serial number/version/software release time.



4.6. Peripherals

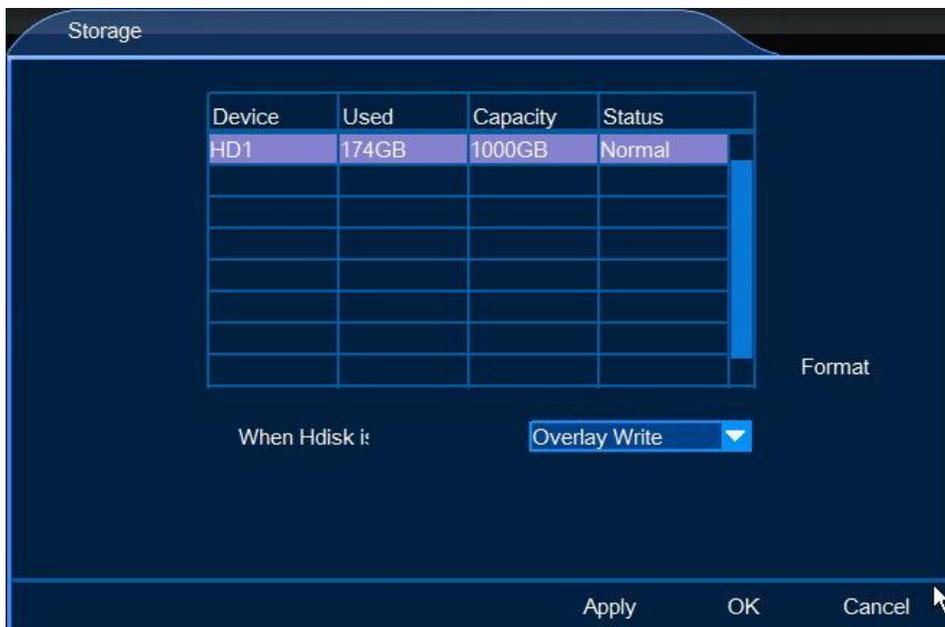
Function introduction:

1. **Storage:** Disk work mode/Format Disk.
2. **PTZ Setting:** Configure PTZ function (Only support PTZ camera)



Storage

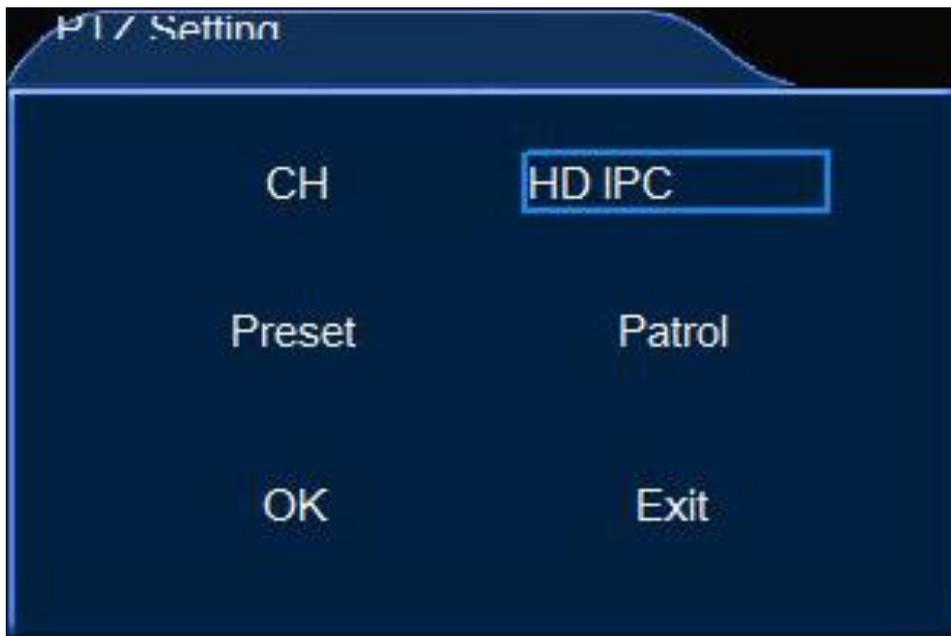
- Function:**
1. Query hard disk's working mode.
 2. Format hard disk.
 3. When hard disk is full, select "Overlay write" or "Stop Recording".



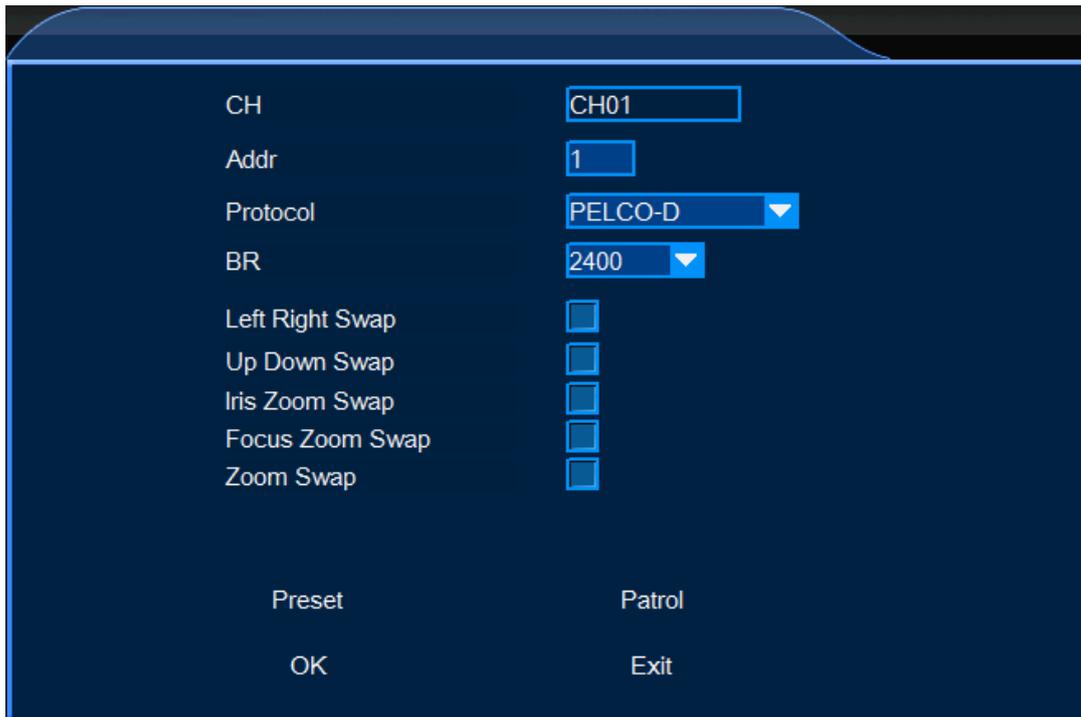
PTZ Setting(Only support PTZ camera)



PTZ setting



Network PTZ(PTZ IP camera)



485 PTZ (Connect camera RS-485 to NVR 485 port)

Default Settings

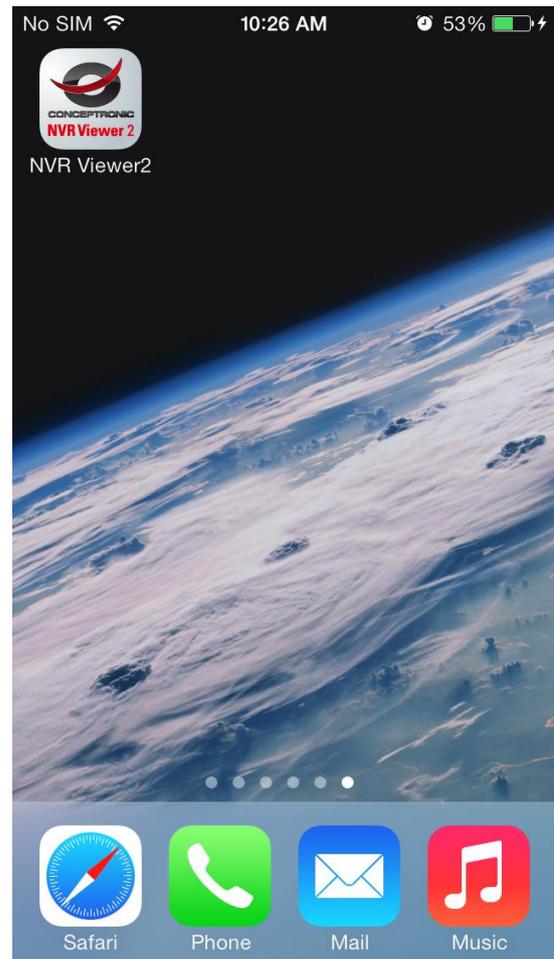
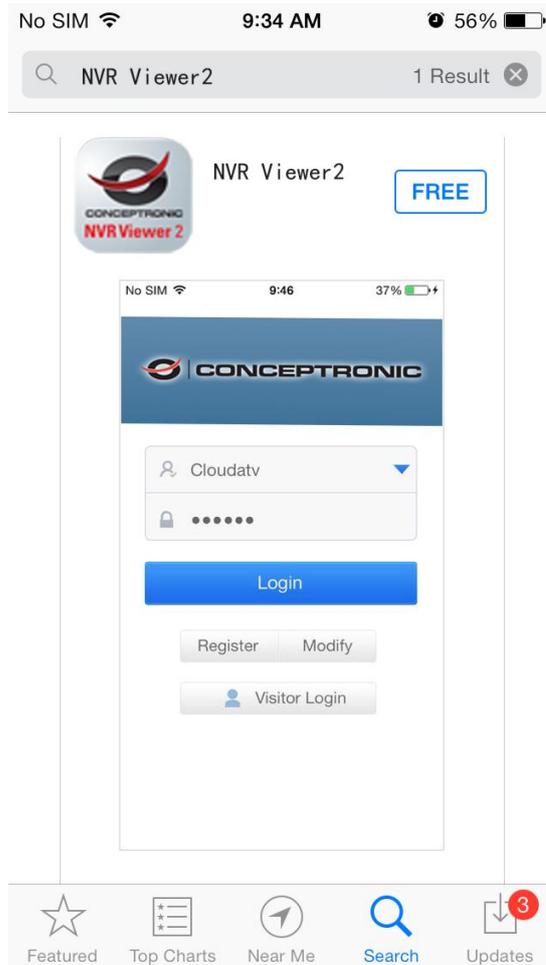
IP Address	192.168.1.8
User	admin
Password	(No Need)

5. Mobile software

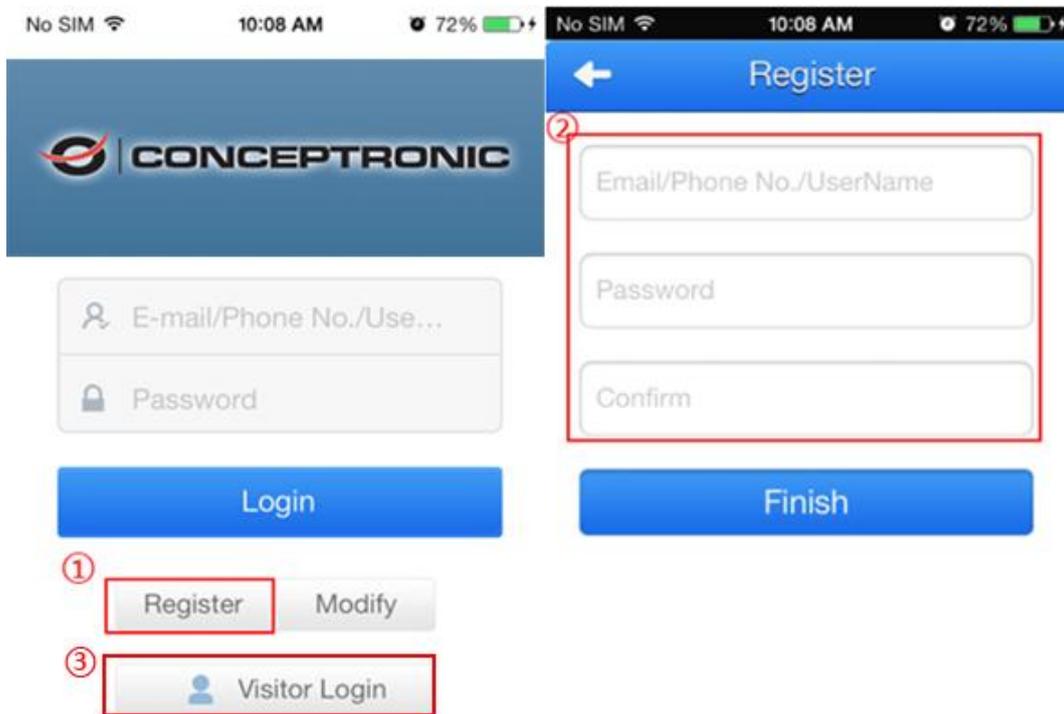
The NVR support Android(v1.6 or above) and IPHONE/IPAD IOS(V4.3 or above) system.

5.1. Install APP software

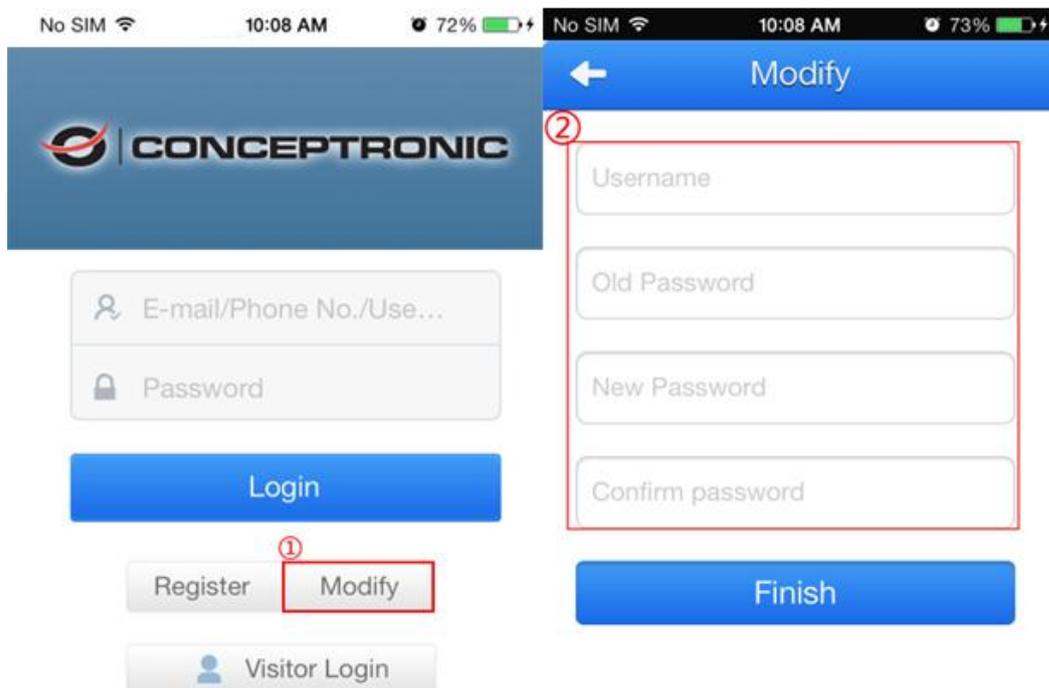
Search and download “NVR VIEWER2” in Apple APP Store and GOOGLE play store.



5.2. Create an account or visitor login

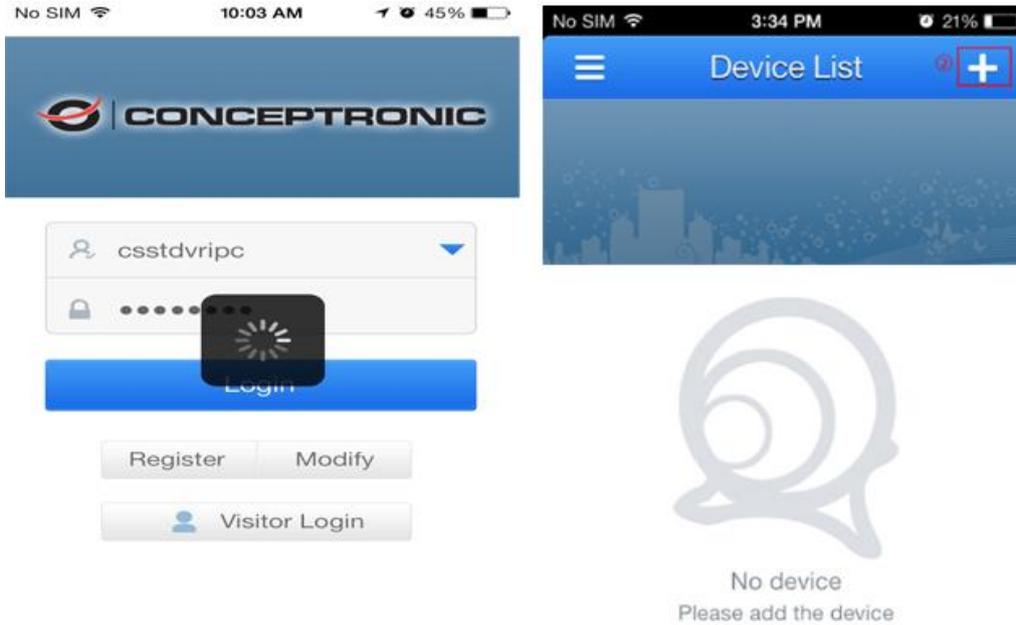


- ① Run NVR VIEWER2
- ② Input user name / password / confirm password
- ③ Visitor login, needn't register an account

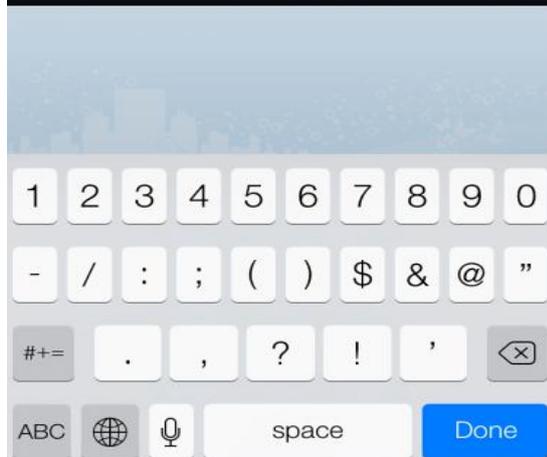
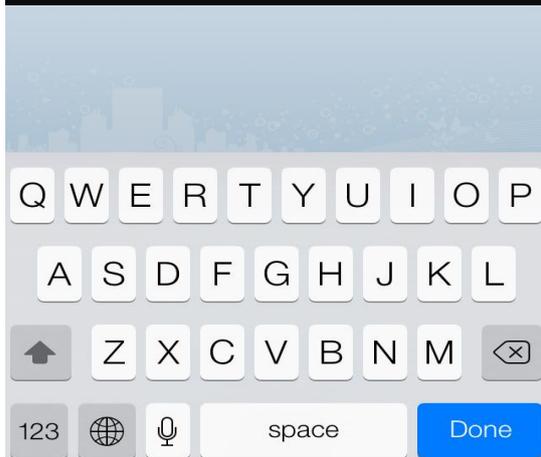
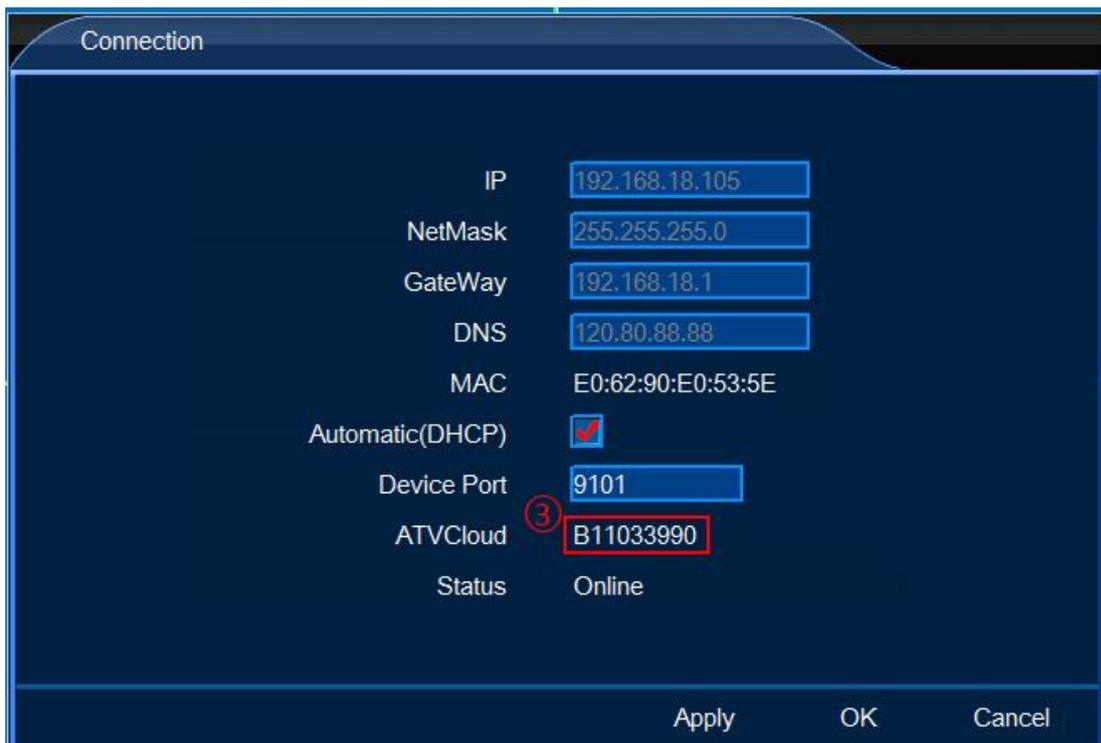


- ① Modify account password
- ② Input user name / old password / new password / confirm password

5.3. Add NVR

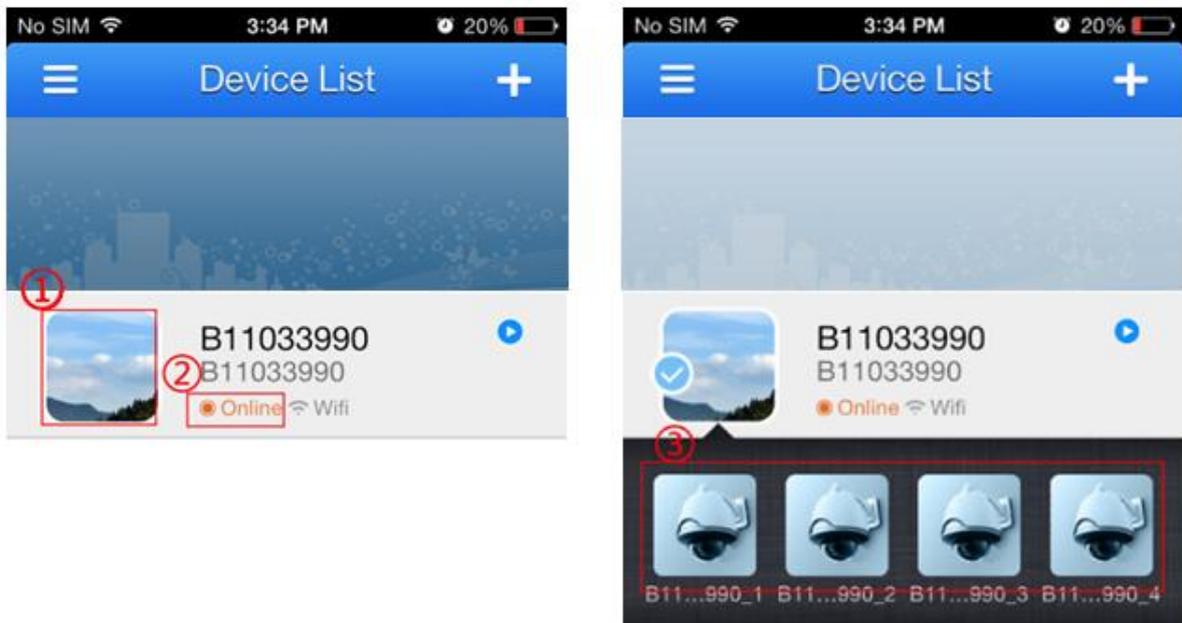


- ① Input user /password and click login
- ② Click  to add NVR

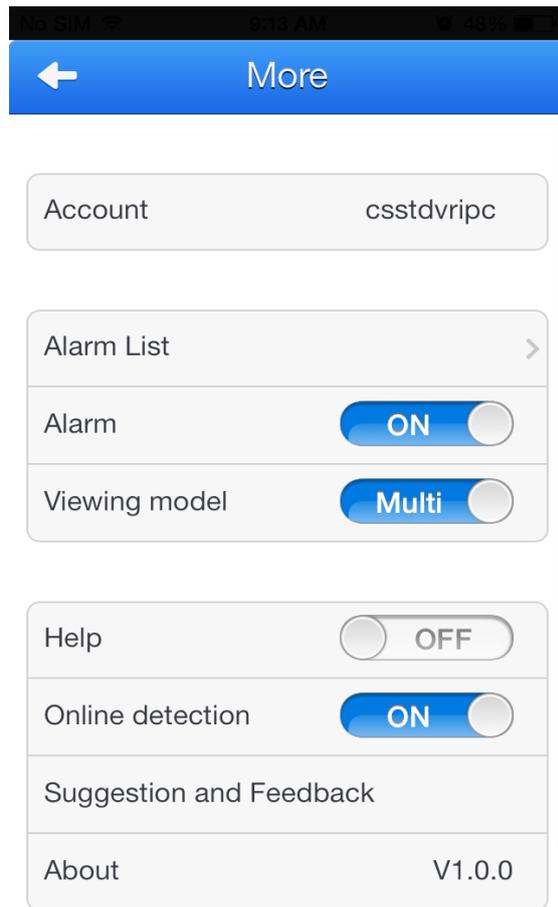
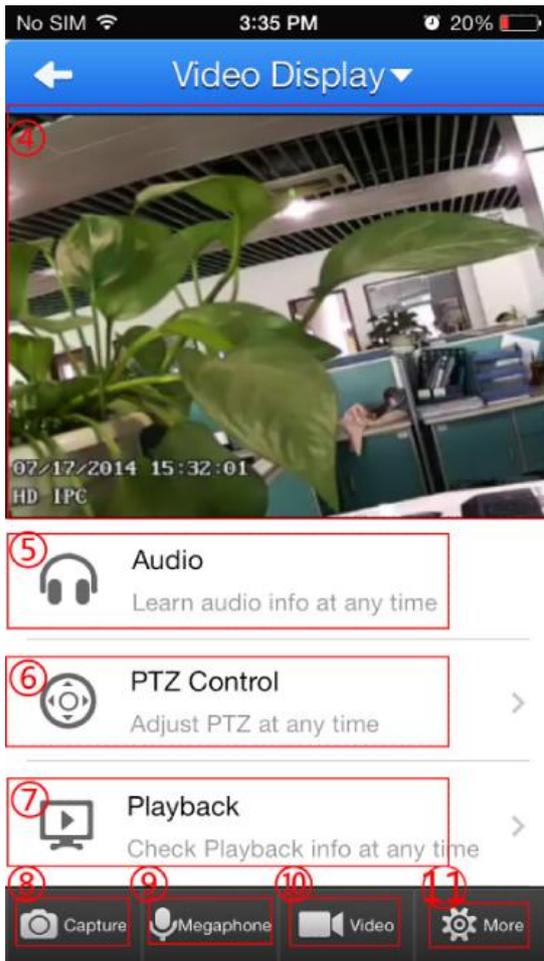


- ③ Check the ATVCloud ID in NVR network setting, input ATVCloud ID.
- ④ Input NVR user name and password.
- ⑤ Click save.

5.4. Connect video



- ① Click the icon
- ② If the NVR is online, it display online; if the NVR is offline , it display offline
- ③ The NVR channels list



- ④ Camera video
- ⑤ Audio: Listen to the channel audio , the camera must has MIC
- ⑥ PTZ Control: Control camera PTZ ,the camera must has PTZ function
- ⑦ Playback: Remotely playback the NVR video
- ⑧ Capture :Snap video photo
- ⑨ Megaphone: Talk with NVR
- ⑩ Video: Record camera video on mobile phone
- ⑪ More function setting of the software

Notification of Compliance

Appendix A

Europe - EU Declaration of Conformity



For complete DoC please visit

<http://www.conceptronic.net/download.php>

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