

Killer HD4 User Guide



Version 72040908

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Chapter 1 Unpacking

1.1 Unpacking

| | | |
|---|---|---|
| 1 | 2 | 3 |
|  |  |  |
| 4 | 5 | 6 |
|  |  |  |
| 7 | 8 | 9 |
|  |  |  |

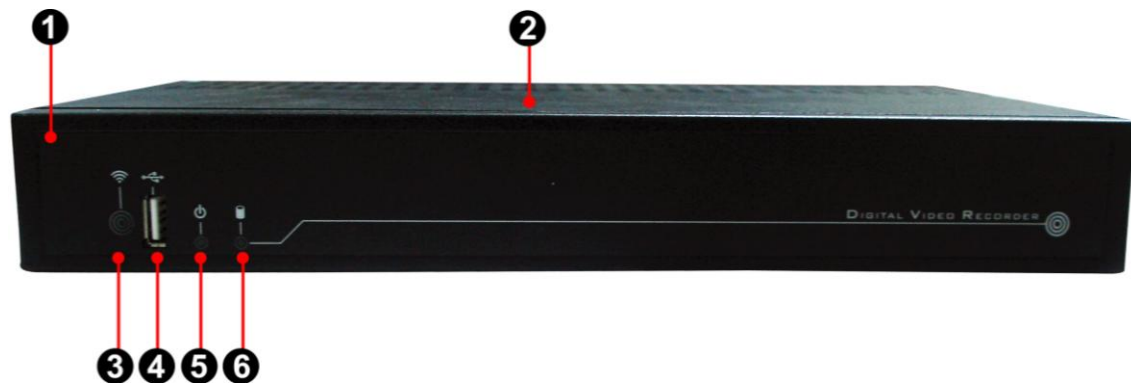
| Item | Name and description | Pcs |
|------|--|-----|
| 1 | DVR | 1 |
| 2 | User guide | 1 |
| 3 | Remote control | 1 |
| 4 | Screws (for HDD fixing) | 6 |
| 5 | Power cord | 1 |
| 6 | Power adaptor (AC 100~240V in, DC 12V out) | 1 |
| 7 | Cables of SATA HDD | 2 |
| 8 | Mouse (optional) | 1 |
| 9 | IR extension cord (optional) | 1 |





NOTE: The type of mouse will be shipped at random.

Chapter 2 Installation

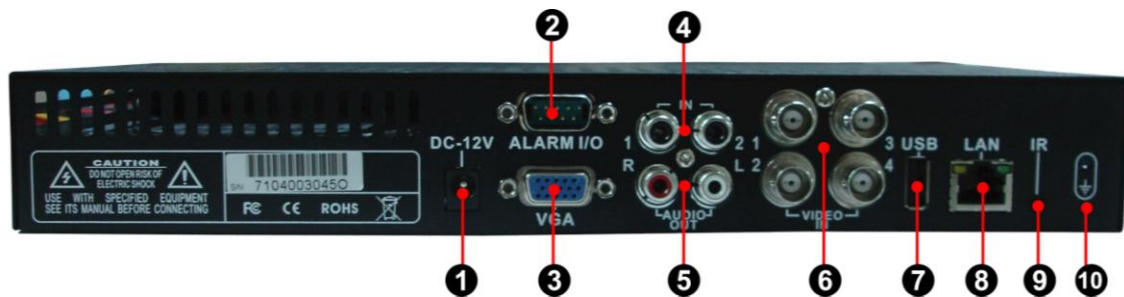
This chapter includes DVR Overview, Rear Panel, SATA HDD & Alarm Installation.


2.1 DVR Overview



| Item | Name | Description |
|------|-----------------|---|
| 1 | Front panel | Indicators & USB port |
| 2 | Cover | To protect HDD |
| 3 | IR receiver |  For IR remote control |
| 4 | USB port |  For USB backup |
| 5 | Power indicator |  Indicator of power status |
| 6 | HDD indicator |  Indicator of HDD status |

2.2 Rear Panel



| Item | Name | Description |
|------|-------------|--|
| 1 | Power | DC 12V |
| 2 | D-SUB 9-pin | For alarm device: Relay, NO, NC |
| 3 | VGA | Video output |
| 4 | Audio in | RCAX2 (1Vp-p) |
| 5 | Audio out | RCA (L, R) (1Vp-p) |
| 6 | BNC input | BNC video input x 4 |
| 7 | USB port | For mouse control |
| 8 | LAN | RJ-45 |
| 9 | IR | IR extension jack |
| 10 | GND |  GND hole |

2.3 SATA HDD Installation

Follow the steps below to install HDD.

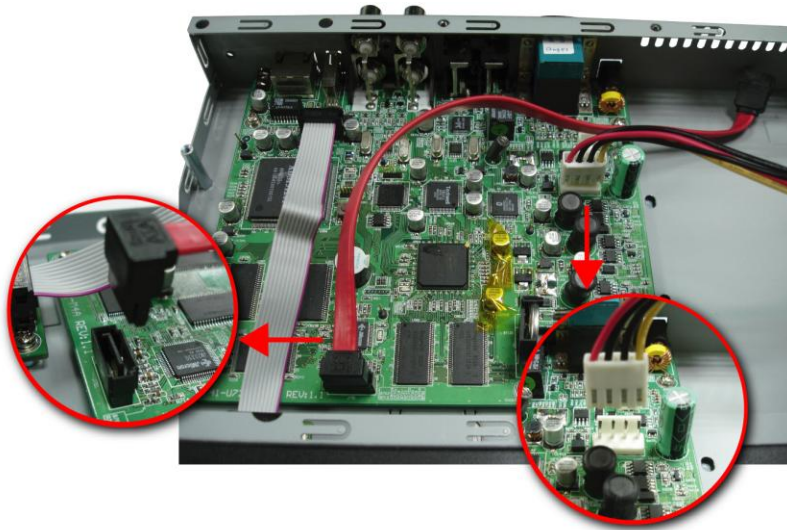
Step 1

Lightly push the tongue out; then take the cover away.



Step 2

Plug the cables of HDD properly.



Step 3

Plug the other end of the cables into the HDD.



Step 4

Mind and let the front side of HDD up, and place it in the HDD bay.



Step 5

Fix the HDD by screws (silver).



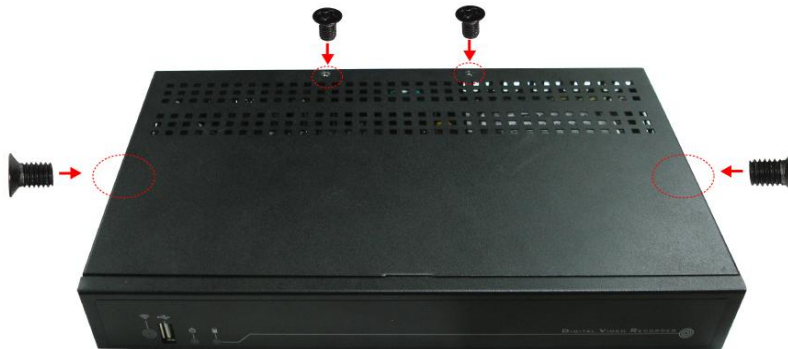
Step 6

Turn the bottom side of DVR up, fix the HDD by screws (silver).



Step 7

Fix the cover of DVR by screws (black).



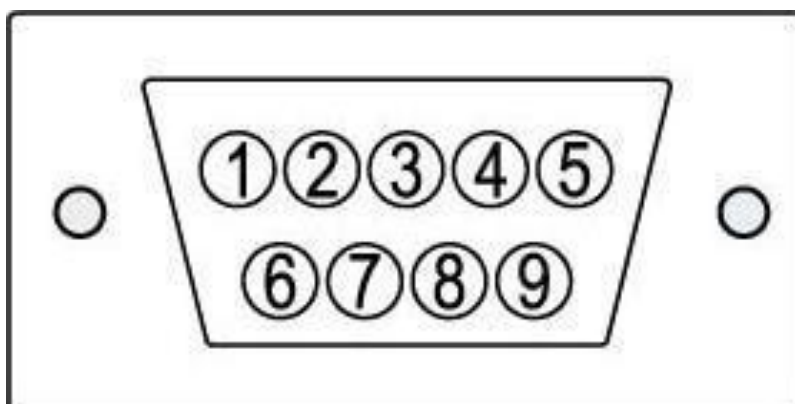
NOTE: The HDD will be started 5~30 seconds later after DVR is powered on. If the HDD is not detected, warning will be showed for 3 seconds by a message “HDD isn’t installed!” with beep every 10 seconds. User can turn off the buzzer or leave live mode to quiet down.

NOTE: There are three reasons which may cause the above warning message: 1) HDD is broken 2) HDD is not installed 3) the recording mode is set as “single-way recording” and HDD is full.

NOTE: If the HDD is not detected and started within 25 seconds, it will be determined a failed HDD.

2.4 Alarm Installation

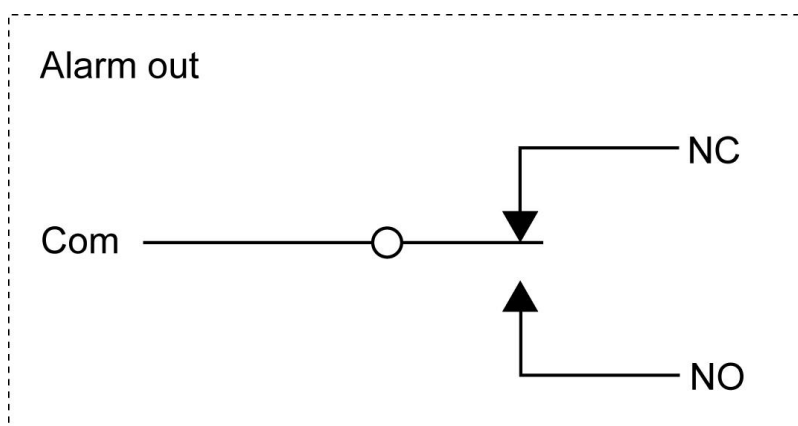
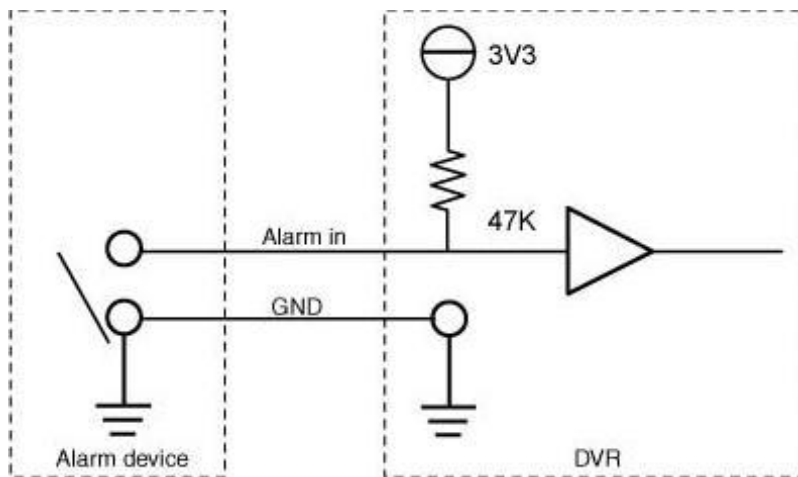
Pin Definition



| Pin No | Pin definition |
|--------|------------------------------|
| 1 | Alarm-in 1 |
| 2 | Alarm-in 2 |
| 3 | Alarm-in 3 |
| 4 | Alarm-in 4 |
| 5 | COM |
| 6 | NC |
| 7 | NO |
| 8 | Do not connect to any cable. |
| 9 | GND |

Alarm figures

Connect to NO (normal open) or NC (normal close) alarm device:



Chapter 3 Getting Start

































In this chapter, it introduces the front panel of DVR, and the definition of icons shown on event list and live/playback screen.

3.1 Start Screen








DVR Status

| | | | | | |
|---|---|--|---|---|---|
| 1. System Status | | | | | |
|  Live display |  Main menu |  Event list | |  Playback | |
|  Pause | |  Fast forward | |  Rewind | |
| 2. Recording Mode | | | | | |
|  No recording | |  Continuing recording | |  Single-way recording | |
| 3. Password level | | | | | |
|  ID 0 (guest) | |  ID 1 (normal user) | |  ID 2 (administrator) | |
| <p>NOTE: The password level will be returned to ID: 0 after 17 seconds without any operation or pressing  twice directly in live screen.</p> | | | | | |
| 4. Language of OSD | | | | | |
|  |  |  |  |  |  |
| T. Chinese | S. Chinese | Japanese | Czech | Dutch | English |
|  |  |  |  |  |  |
| Spanish | French | Italian | German | Polish | Russian |
|  |  |  |  |  |  |
| Hebrew | Thai | Danish | Swedish | Finnish | Vietnamese |

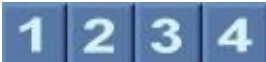











Device Status






| | |
|----------------------------------|--------------------------------|
| 1. USB Flash Drive Status | |
| USB Flash Drive is detected | No USB Flash Drive is detected |
| 2. HDD Status | |
| HDD is installed | HDD is not installed |




















| | |
|--|---|
| 3. Network Status | |
|  Network is working |  Network is not working |
| 4. Status Bar of HDD Space | |
|  | This bar shows the HDD storage & consumption percentage. The estimate of recording time will be more accurate after at least one day recording. |



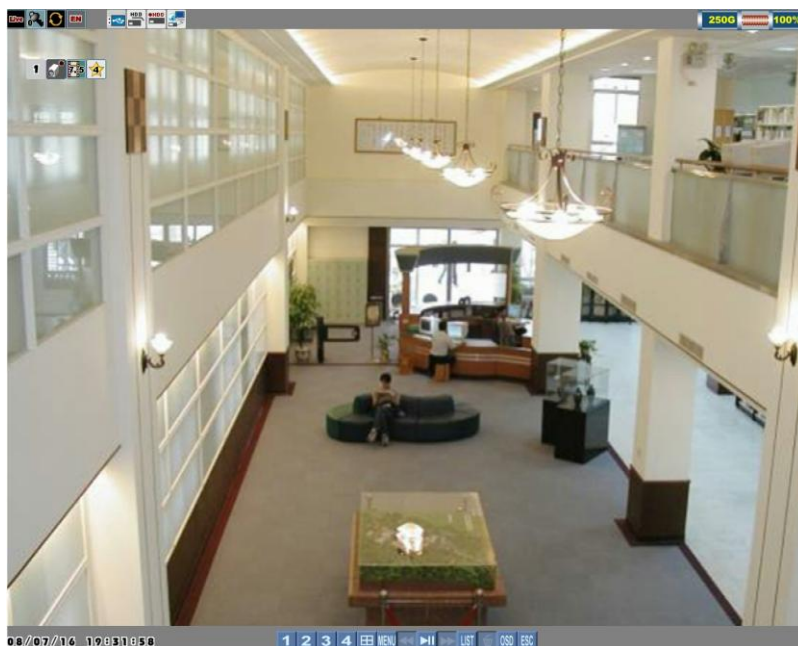
| | | |
|---|---|---|
| DVR Tool Bar | | |
|  Switch to full screen display by singly channel | | |
|  Quad mode |  Main menu |  Rewind |
|  Playback/pause |  Fast forward |  Event list |
|  Delete |  Show/hide OSD |  ESC |



| | | | |
|--|---|--|---|
| 1. Channel | | | |
| <div><div>1</div><div>Channel 1</div></div> | <div><div>2</div><div>Channel 2</div></div> | <div><div>3</div><div>Channel 3</div></div> | <div><div>4</div><div>Channel 4</div></div> |
| 2. Recording mode | | | |
| <div><div></div><div>DVR is recording</div></div> | <div><div></div><div>Alarm is detected</div></div> | <div><div></div><div>Alarm recording is on</div></div> | |
| <div><div></div><div>Motion is detected</div></div> | <div><div></div><div>Motion recording is on.</div></div> | | |
| NOTE: The red light will be flashed when recording. | | | |

| 3. Frame Rate | | | | | | | |
|---|---|---|--|---|--|---|---|
| NTSC |  |  |  |  |  |  |  |
| | No recording | 2fps | 3fps | 5fps | 7.5fps | 10fps | 15fps |
| PAL |  |  |  |  |  |  |  |
| | No recording | 1.6fps | 2.5fps | 4.1fps | 6.2fps | 8.3fps | 12.5fps |
| 4. Image Quality | | | | | | | |
|  |  |  |  |  | | | |
| Basic | Normal | Fine | Good | Excellent | | | |

3.2 Full Screen




Left click the mouse on one of the buttons to switch full screen display in live or playback mode.

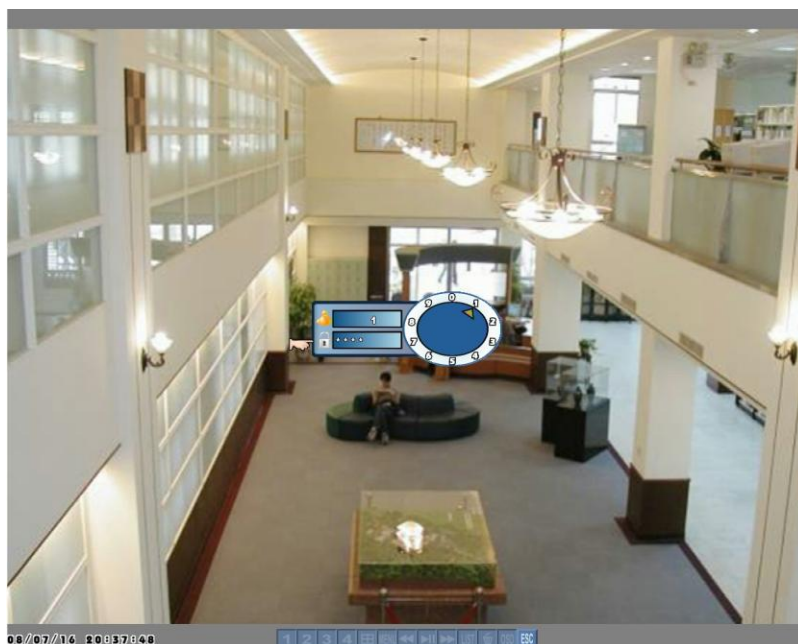
3.3 Quad Screen



Left click the mouse on the button  to split display in live or playback mode.




3.4 Main Menu




Left click the mouse on the button  to call main menu




If users set “Password Enable” as **O**, the DVR will request at least level 1 (ID: 1) password to enter Main Menu. Default: ID: 1, Password: 1111 (Refer to Section 4.2 Setup – DVR Password)

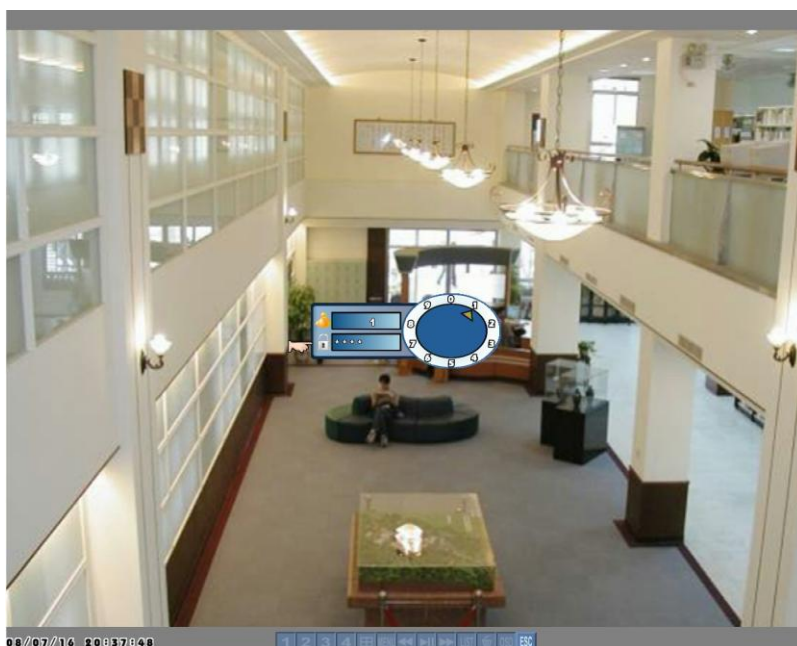


| | | |
|--------|---|--|
| Camera |  | Cameras settings |
| Setup |  | To set language, time or check DVR information |
| Record |  | Recording parameters settings |

| | | |
|------------|--|-------------------------|
| Alarm |  | Alarm & motion settings |
| USB backup |  | For USB backup function |
| Network |  | Network settings |

3.5 Event List

Left click the mouse on the button  to call main menu



If users set “Password Enable” as **O**, the DVR will request level 2 (ID: 2) password to enter Event List. Default: ID: 2, Password: 2222 (Refer to Section 4.2 Setup – DVR Password).

Each HDD is allowed to save up to 256 events. If users change a new HDD, the event list will be moved together with the old one.



Left click the mouse on this button to play/pause the event.



Left click the mouse on this button to delete the selected event.



Left click the mouse on this button to go back to the previous page.








Event Filter

Users are able to search events by channels, or event filters.

1. Channels: click the mouse on one of below icons to show specific events by all or specific channel(s).






| | | | | |
|--------------|-----------|-----------|-----------|-----------|
| | | | | |
| All Channels | Channel 1 | Channel 2 | Channel 3 | Channel 4 |

2. Event Filters: click the mouse on one of below icons to show specific events by different event filters.

| | | | | | | | |
|---|---|---|---|---|--|---|---|
|  |  |  |  |  |  |  |  |
| All Filters | Motion | Video Loss | Alarm | HDD ON/OFF | Power ON/OFF | Mark | USB |

The different colors of event filters enable users to search events simply. Meanwhile, each event filter is come with an auxiliary search cursor in same color, it is helpful to show users what happened when they are playing the images. (Refer to Section 3.7 Playback).

Event Details

| | | | | |
|---|---|---|--|---|
|  |  |  |  |  |
| Event No. | Camera ON/OFF | Filter | Data/Time | Event Source HDD/USB |

In the column of filter, it will show the filter icons in different colors, users can easily search the events.

When the cursor is moved to one of the events, the background will be changed to the beginning of the event.


Play Events

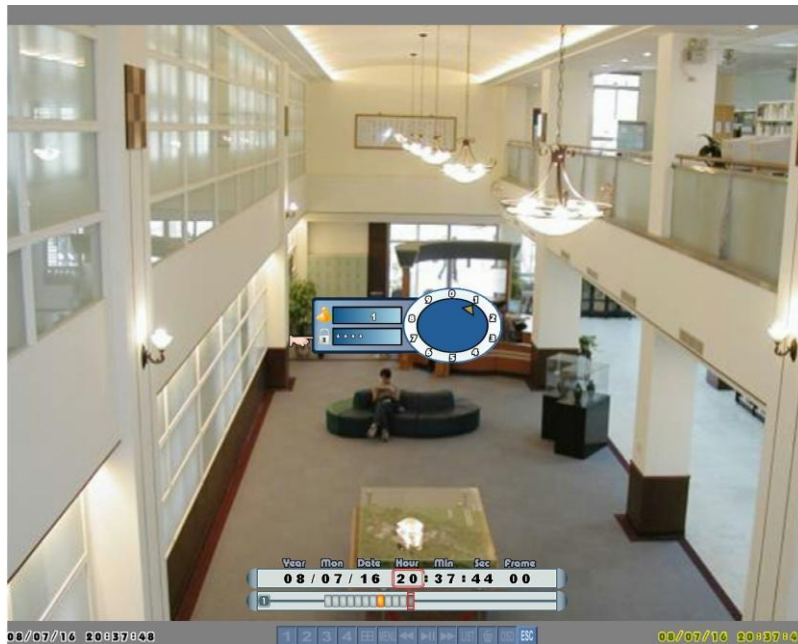


Left click the mouse on this button to play/pause the selected event.

3.6 Playback

Operation

In live mode, left click the mouse on the button  to enter playback mode.



If users set “Password Enable” as ☐, the DVR will request at least level 2 (ID: 2) password to playback mode. Default: ID: 2, Password: 2222 (Refer to Section 4.2 Setup – DVR Password)



Left click the mouse on the numerals

to select date, hour, minute, second or frame and then adjust them by “rolling up or down” the mouse.



Left click the mouse on this bar to

mark the import timing of video.

NOTE: Channel no. is shown on the left side of the bar.



Switch full screen display of the channel.



Switch quad screen display.



Play/pause the video.



Show event list.



Show/hide OSD.



Exit playback mode.

Playback



In playback mode, left click the mouse on this button to play/pause the video.



Switch full screen display of the channel.



Rewind x 1, 5, 15, 60



Play/pause the video.



Fast forward x 1, 5, 15, 60



Show event list.



Show/hide OSD.



Exit playback mode.



Switch quad screen playback.



Playback Mark

Click the bar to mark the timing of important video when searching playback data, and the orange cursor will be shown in the center of the bar.



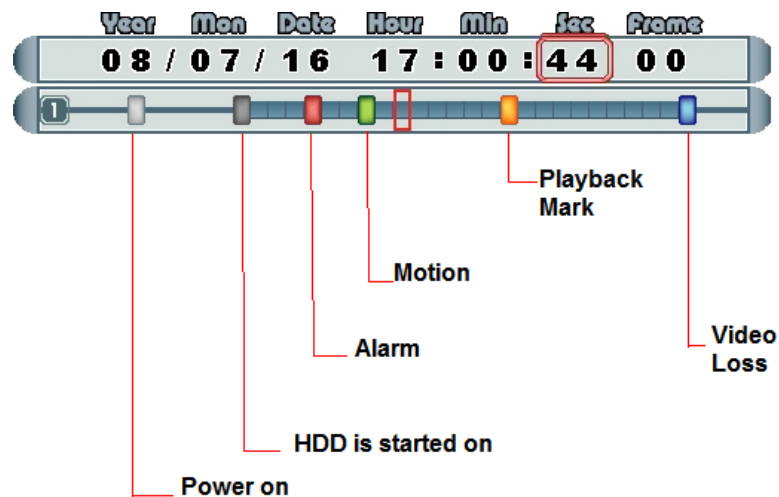
Auxiliary Search Cursors:

This smart search design allows users to search data quicker and easier, meanwhile,

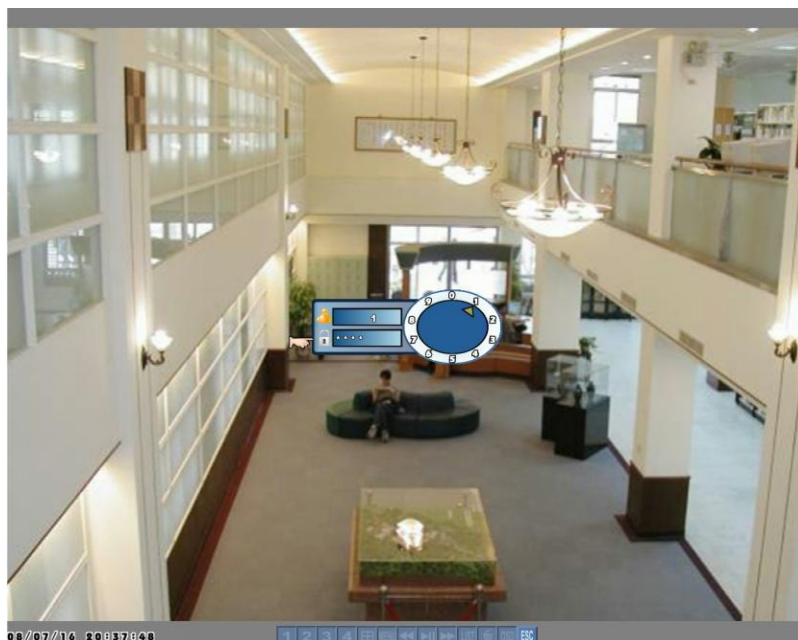


For Example:

Below pictures shows many events happened, users can click the numerals of date/time/frame and “roll up or down” the mouse to move one of the colorful cursors to the center red grid to view the event.



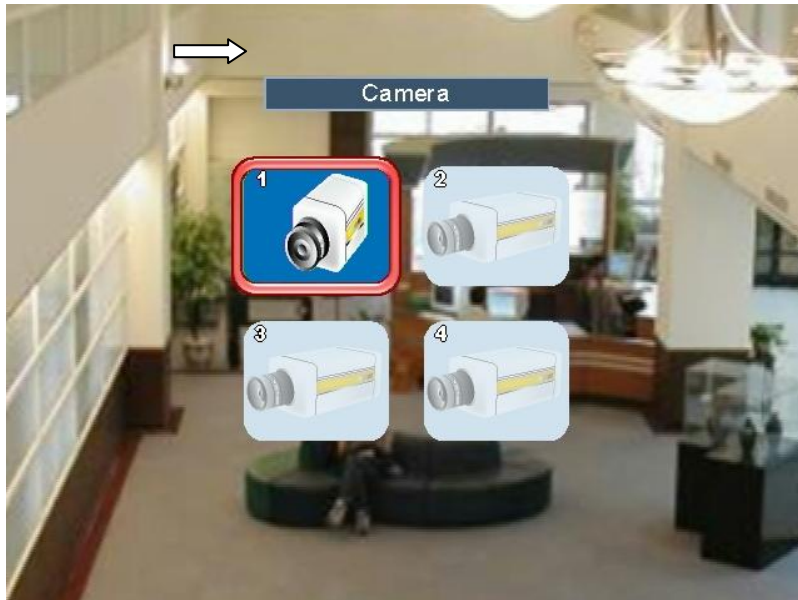
Chapter 4 Main Menu



If users set “Password Enable” as “O”, the DVR will request at least level 1 (ID: 1) password to main menu. Default: ID: 1, Password: 1111 (Refer to Section 4.2 Setup – DVR Password)

4.1 Camera

Main Menu → Camera



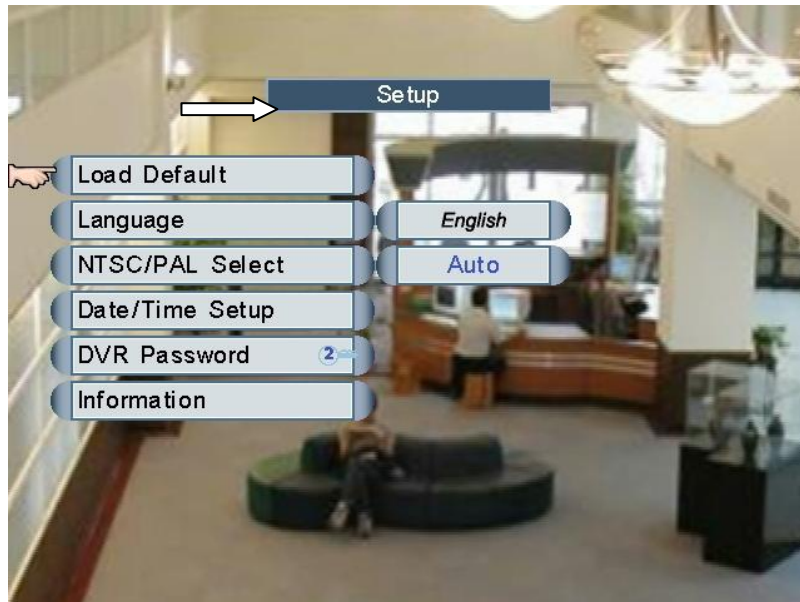
Left click the mouse on one of the cameras to enter the page of camera adjustment.



Move and click the mouse to select brightness, contrast, hue or saturation, and roll up or down the mouse to adjust the image.

4.2 Setup

Main Menu → Setup




Move and click the mouse to select one of the items, or roll the mouse to adjust the settings.


Load Default

Load factory's default configuration.



Left click the mouse to select "No" or "Yes".

No  Do not load factory's default settings.

Yes  Load factory's default settings.

NOTE: Load Default function will not change password, and the setting of “password enable/disable”.

Language

Click and roll the mouse on Language to choose OSD language.

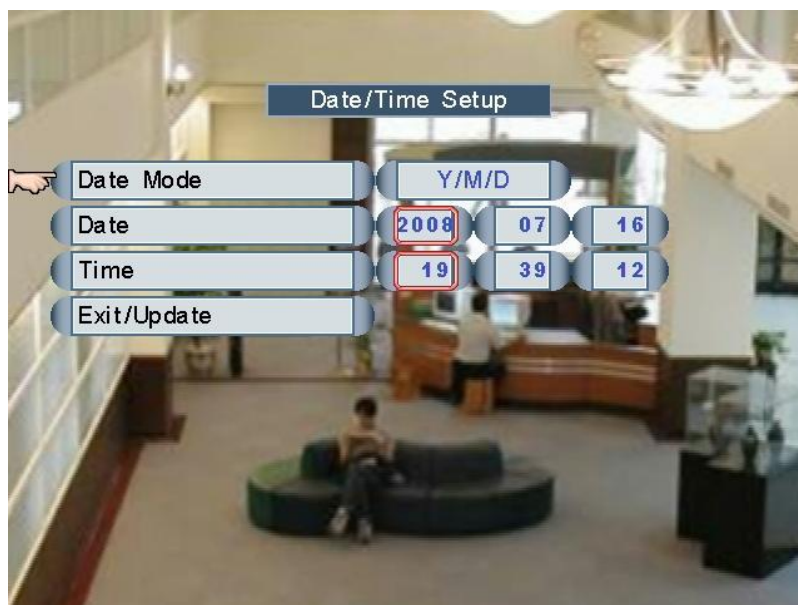
The DVR supports 18 versions of OSD language: T-Chinese, S-Chinese, Japanese, English, Czech, Dutch, Spanish, French, Italian, Deutsch, Polish, Russian, Hebrew, Thai, Danish, Swedish, Finnish and Vietnamese.

NTSC/PAL Select

Click and roll the mouse on NTSC/PAL Select to choose Auto, NTSC or PAL system.

1. Auto: The DVR will detect the camera's system (NTSC or PAL) automatically when DVR is power on, if no camera installed, it will be the same as previous setting.
2. NTSC: The DVR will be set to NTSC even PAL cameras are installed.
3. PAL: The DVR will be set to PAL even NTSC cameras are installed.

Date/Time Setup



Move and click the mouse to select one of the items, roll the mouse to adjust Date Mode, Date or Time.

NOTE: It is necessary to click Exit/Update to save the settings.

The date mode set here will be shown in the bottom-left corner of the screen.

08/07/16 20:37:48

DVR Password



Move and click the mouse to select one of the items, or roll the mouse to enable/disable password.

1. Password Enable: Only users of “ID: 2” are able to enable/disable password authority.



Password Enable: the DVR will request password (ID: 1 or ID: 2) to enter Main Menu, users without password (ID: 0) are allowed live monitoring only.



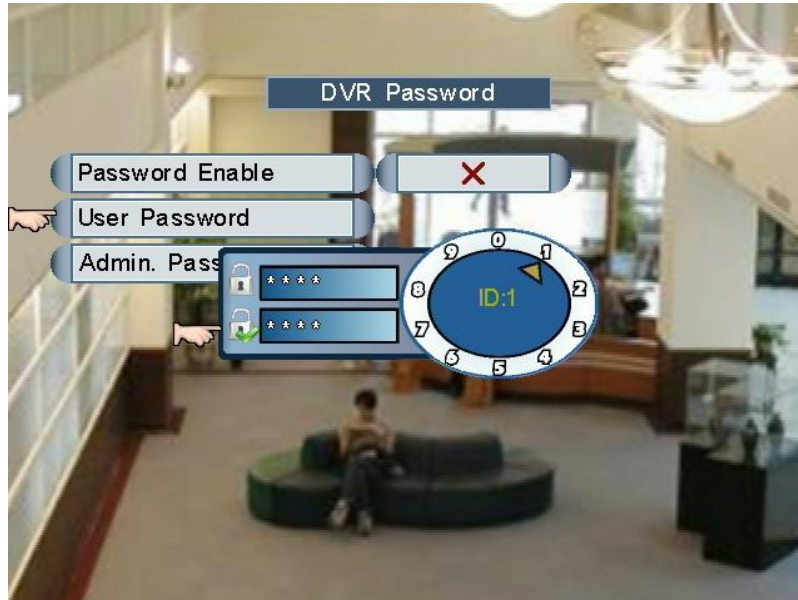
Password Disable: the DVR will NOT request password to enter Main Menu.

2. User Password (ID: 1): users can change the password of ID: 1.

(Default password: 1111)

3. Admin Password (ID: 2): users can change the password of ID: 2.

(Default password: 2222)

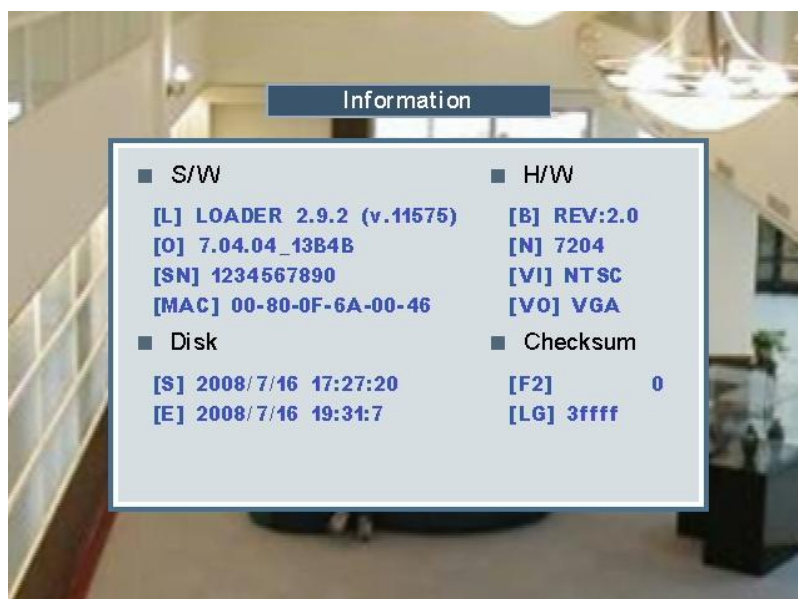


Click the numerals to set and confirm the value of password.

NOTE: ID: 2 (Admin: user of level 2) is the administrator of DVR, who has the rights to manage passwords. ID 1 (Normal: level 1 users) is a normal user who can neither enable/disable password checking nor manage passwords.

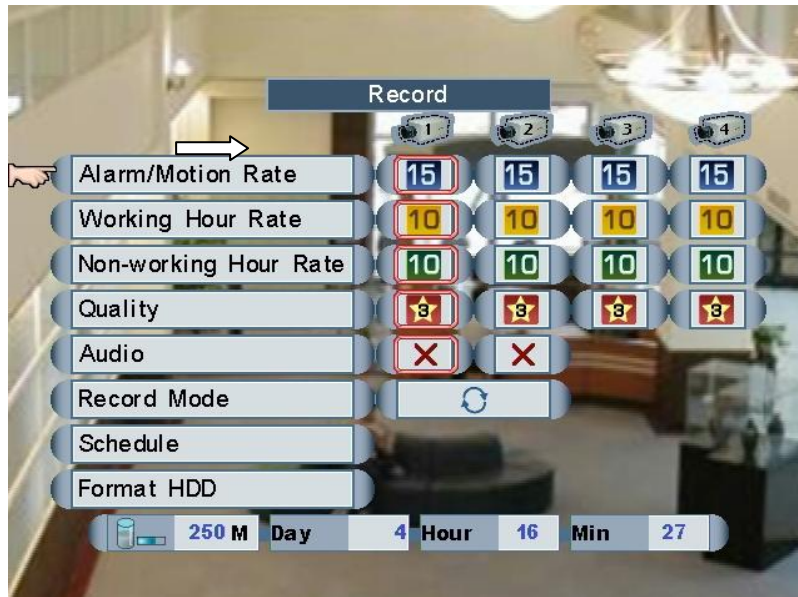
Information

Users can check the DVR information including software, hardware, start/stop recording time of HDD and checksum.



4.3 Record

Main Menu → Record



Move and click the mouse to select one of the items, or roll the mouse to adjust the settings.


Alarm/Motion Rate

Set recording rate for the time when alarm or motion is triggered. Roll the mouse to adjust Alarm/Motion Rate.

 No recording when alarm or motion is detected.


Working Hour Rate

Set recording rate for normal working hours. Roll the mouse to adjust Working Hour Rate.

 No recording in working hours.

Non-working Hour Rate

Set recording rate for non-working hours. Roll the mouse to adjust Non-working Hour Rate.

 No recording in non-working hours.

NOTE: Working and non-working hours are programmable by setting schedule.

NOTE: The event will still be recorded into the event list even Alarm/Motion Rate is

set as 

Quality

Star 1 stands for the most basic image quality for the longest recording time, whereas star 5 is for the best recording quality.

NOTE: The background channel, image quality and frame rate will be changed immediately when users adjust the settings.

Audio

Users can install audio devices in channel 1 and channel 2. Roll the mouse to enable/disable Audio function.



Enable audio function: Audio works both in live & playback.



Disabled audio function: Audio doesn't work neither in live nor playback.

Record Mode

Roll the mouse to adjust the Record Mode..




No Recording: the DVR will NOT record.



Continuing Recording: the HDD will be overwritten when it is full. HDD status bar will show "100%", but it will continue recording.



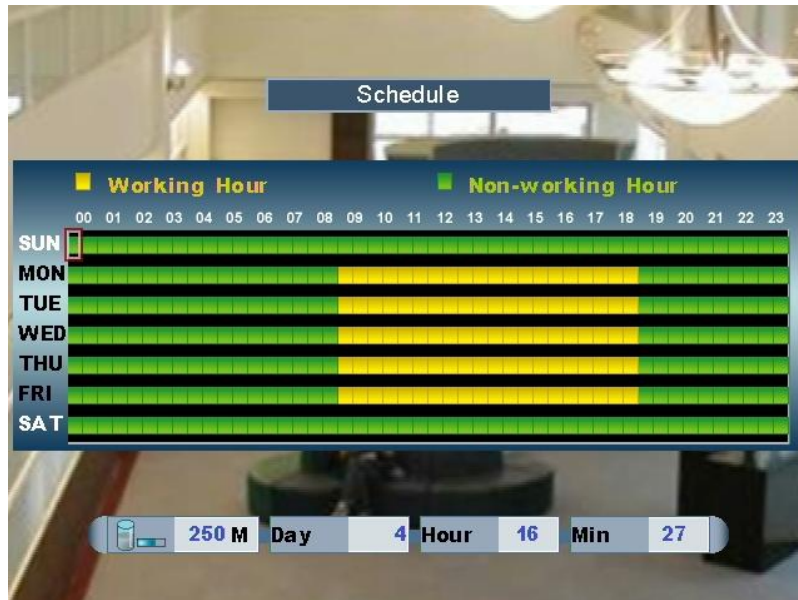
Single-way Recording: the DVR will stop recording when the HDD is full until the recording mode is changed to  or format the HDD.



NOTE: If users use more than two HDDs in turn, it is suggested to set the record mode as “single-way recording” to prevent overwriting.

Schedule

Recording schedule is programmable for working & non-working hours.



Move and left click the mouse to move the cursor, roll the mouse to enlarge or narrow the cursor.

Left click the mouse twice to switch the zone from Working or Non-working Hours.



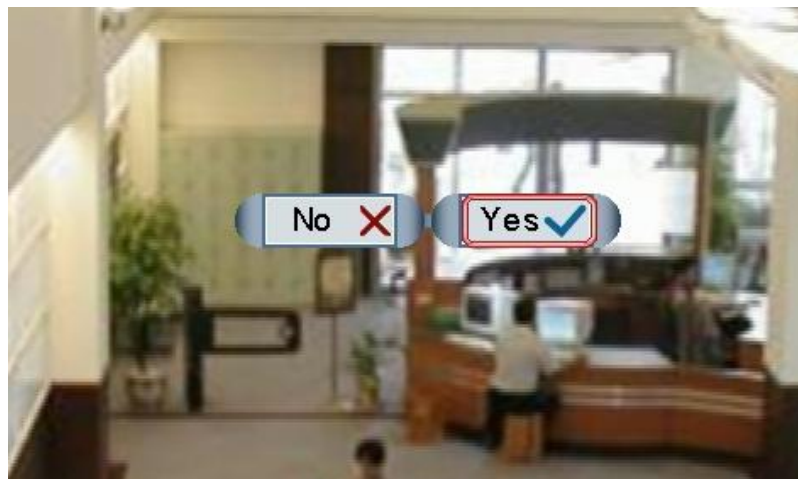
Working Hours



Non-working Hours

NOTE: The function of Alarm/Motion will not be conflicted by schedule.

Format HDD



No  Cancel HDD format.


Yes  Format HDD.

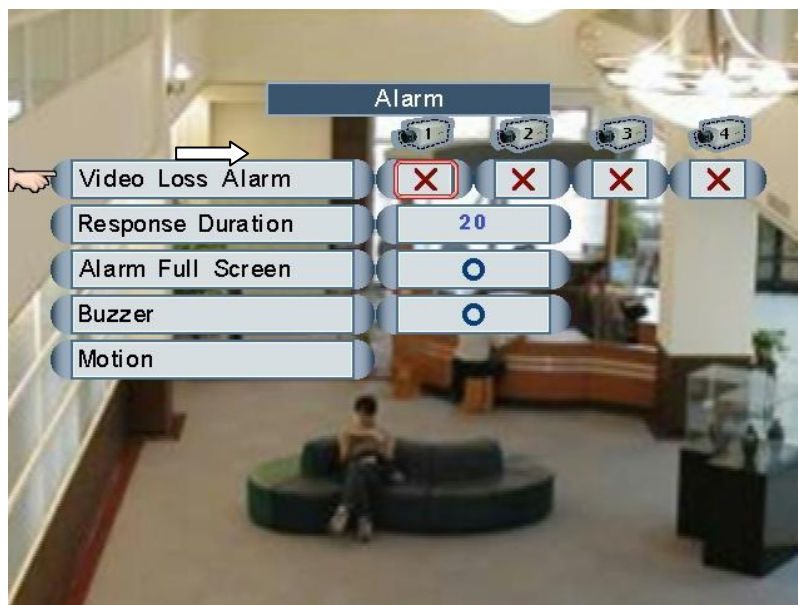
NOTE: When a new HDD is installed, it will show a message “Unformatted HDD!” on the screen, users can format HDD via this function, and set record mode. If an old HDD is installed instead, the DVR will remain the original record mode of the HDD, but users can change it as well.

NOTE: The estimate of recording time will be more accurate after at least one day recording.

WARNING: All the recorded data including event list will be deleted after format HDD.

4.4 Alarm

Main Menu → Alarm 



Click and roll the mouse to select one of the items and change the settings.
Left click the mouse to enter Motion settings.

Video Loss Alarm



Roll the mouse to enable video loss alarm



Roll the mouse to disable video loss alarm

Response Duration

Roll the mouse to adjust response duration.

Users can set post-recording time in this item. When alarm/motion is happened, the post-recording time will be lasted for 1-255 seconds with an alarm or motion message and beep sound. If a new alarm/motion is happened in the meanwhile, the post-recording function will be on again for 1-255 seconds. Users can turn off the buzzer, but the notification will still be showed on the screen.

Alarm Full Screen



Roll the mouse to enable alarm full screen.



Roll the mouse to disable alarm full screen.

Buzzer



Roll the mouse to turn on the buzzer.

Roll the mouse to turn off the buzzer.

Motion



Left click the mouse the select one of the cameras.



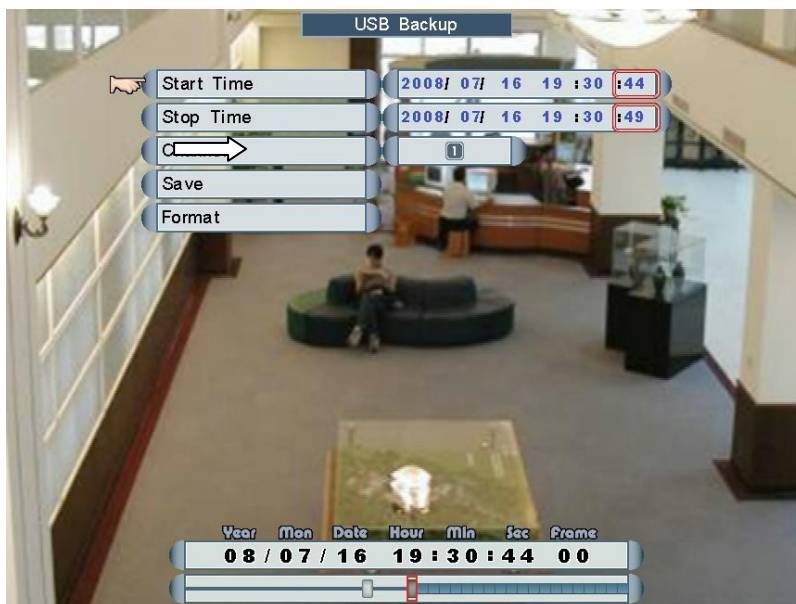
Move and left click the mouse to set motion detection zones.

Roll the mouse to adjust the sensitivity of motion zones. The bigger the number, the higher the sensitivity.

4.5 USB Backup



Main Menu → USB Backup



Click and roll the mouse to select one of the items and change the settings.

Left click the mouse to Save or Format USB Flash Drive

NOTE: Users will need to format the USB Flash Drive before using it for backup video or upgrade OS.

Start Time

Roll the mouse to set the start time of data which is going to be saved to USB Flash Drive.

Stop Time

Roll the mouse to set the stop time of data which is going to be saved to USB Flash Drive.



NOTE: If there is data between the start and stop time, a data bar will be shown on the bottom of screen.

NOTE: One USB Flash Drive can be saved maximum 16 files, up to 1 GB or 30 minutes per file.

Channel

Roll the mouse to choose a channel which is going to be backup.

Save

1. Check USB Flash Drive

When a USB Flash Drive is inserted into the DVR, it will show “USB Check OK!” on the screen. Format USB Flash Drive if the message shown.



2. USB Flash Drive Storage Requirement

The DVR supports 128MB~8GB capacity of USB Flash Drive.

3. Backup

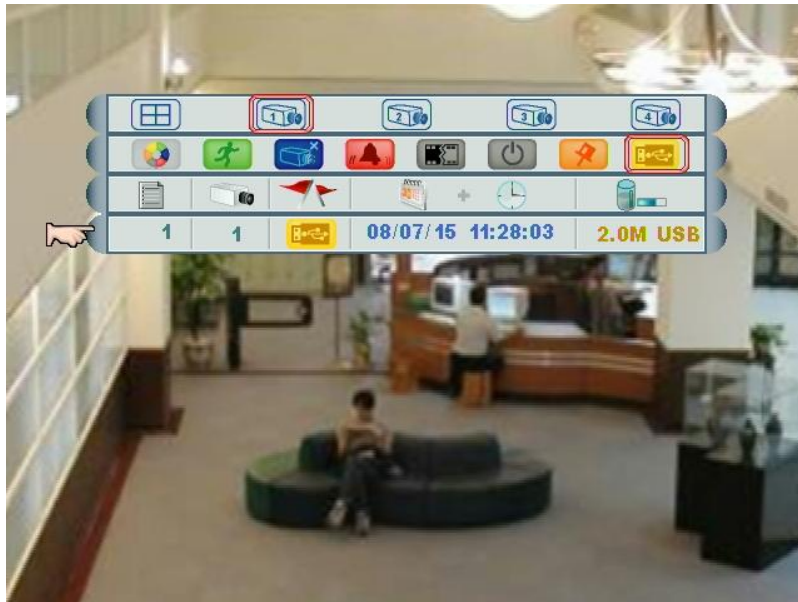
Backup the data into USB Flash Drive, the file will be named by Start Time as “C_YYYYMMDDhhmmss.mov” (see below table) with “FAT 16” form which can be played by Quick Time Player.

| File Name | Definition |
|-------------------------------------|-----------------------|
| C | Channel No. (ex.ch01) |
| YYYY | Year (ex.2008) |
| MM | Month (ex.01) |
| DD | Date (ex.11) |
| hh | Hour (ex.13) |
| mm | Minute(ex. 22) |
| ss | Second (ex. 33) |
| For Example:ch01_20080111132233.mov | |




4. Check the backup file(s)


After backup is finished, users can check the event list to see if it is successful (refer to Section 3.6 Event List).



5. Play the backup file(s)

In Event List, choose the backup file, and left click the mouse on the button  to play the images.

6. Delete the backup file(s)

In Event List, left click the mouse on the button  to delete the files from USB Flash Drive.

Format

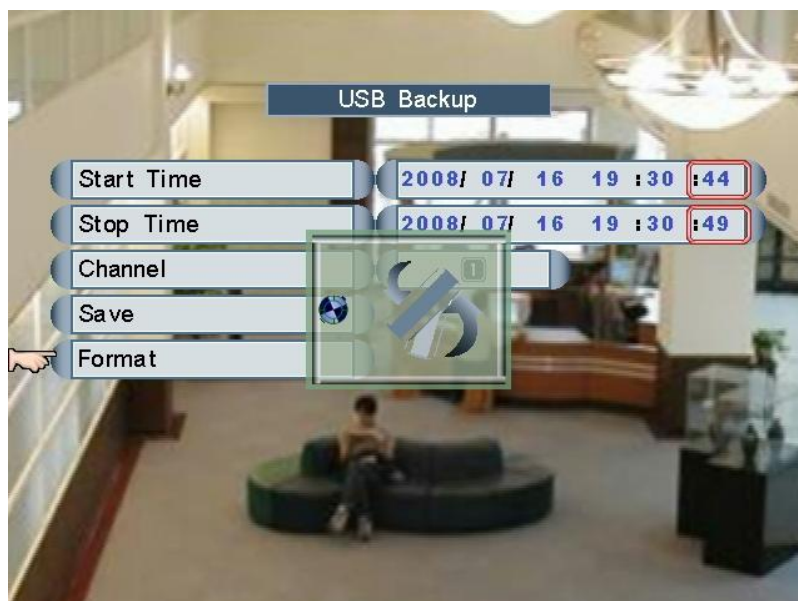
Format USB Flash Drive, firstly, users will need to insert a USB to the USB Port on the front panel of the DVR.





No ✖ Do not format USB Flash Drive.

Yes ✔ Format USB Flash Drive.



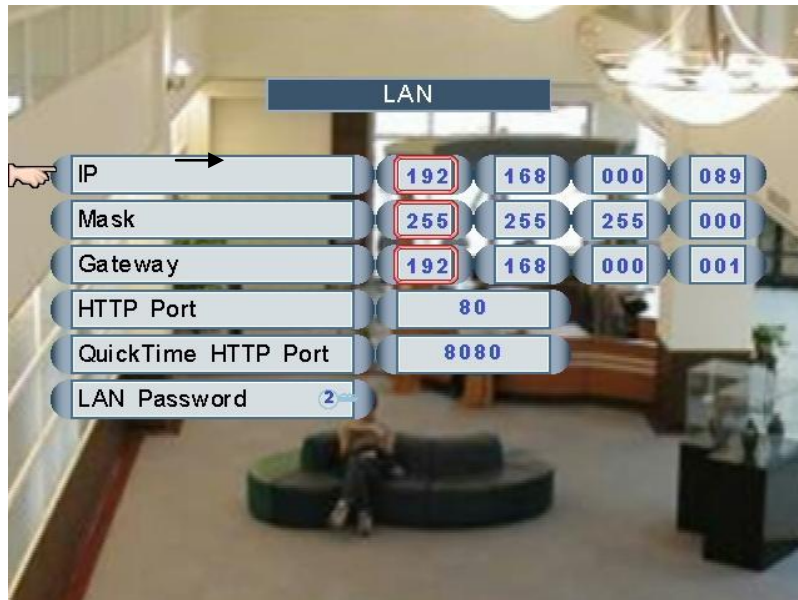
NOTE: It is necessary to format USB flash drive via this function before saving backup data.

WARNING: All the data in the USB Flash Drive will be deleted after choosing

Yes ✔

4.6 Network

Main Menu → LAN



Click and roll the mouse to select one of the items and change the settings.
Left click the mouse to manager LAN Password.

IP

Roll the mouse to set the IP address

Mask

Roll the mouse to set the mask

Gateway

Roll the mouse to set the gateway

HTTP Port

Roll the mouse to set the http port

QuickTime HTTP Port

Roll the mouse to set QuicktTme http port

LAN Password

Only the user “ID 2” is able to manage passwords for LAN users.



1. Guest Password (ID: 7): click the numerals in the circle to set Guest Password. This is the lowest level, only remote “Live” viewing is available (default password: 1111)
2. User Password (ID: 8): click the numerals in the circle to set User Password. This is normal level, remote “Live & Playback” viewing are available (default password: 2222)
3. Admin Password (ID: 9): click the numerals in the circle to set Admin Password. This is the highest level, not only remote viewing, admin can also set IE parameters including PPPoE and DDNS settings...etc. (default password: 3333)

NOTE: The DVR only provide 1 user to access images remotely at the same time.

Chapter 5 Network

5.1 System Requirements

It is necessary to prepare for a PC which is come with qualified versions of hardware and software to make IE connect

System Requirements

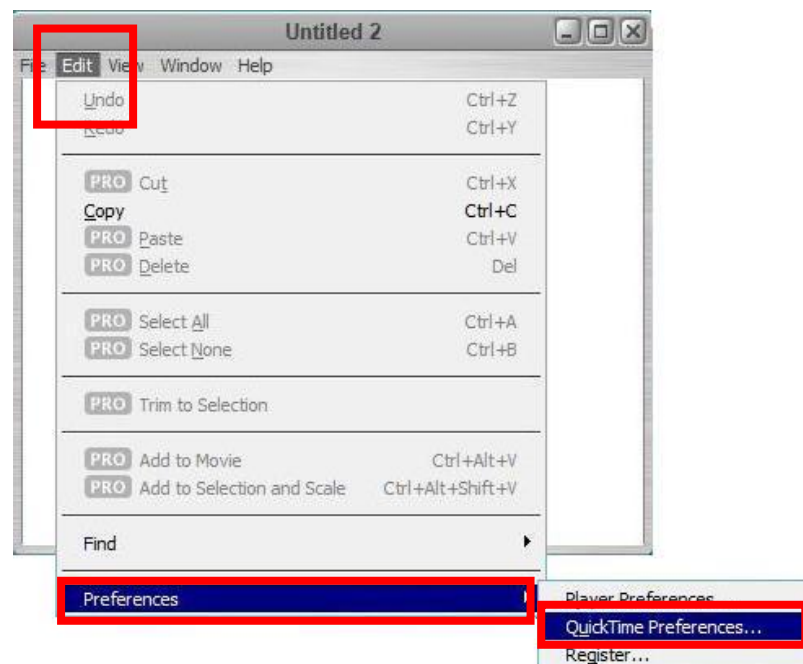
1. PC: Intel Pentium III or higher, 512MB RAM, 1GB HDD space
2. Operating System: Microsoft Windows 2000, XP or Vista
3. Web Browser: Internet Explorer 6.0 or above
4. Quick Time: please surf www.apple.com/quicktime/download to download a version 7.0 or above.

5.2 Getting Start

Before connecting to DVR via IE browser, users will need to change some settings of QuickTime Player and NetView as below steps.

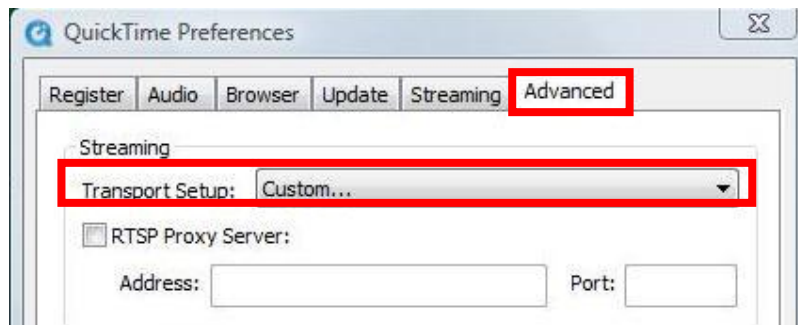
Step 1

Open QuickTime Player, choose [Edit] → [Preferences] → [QuickTime Preferences]

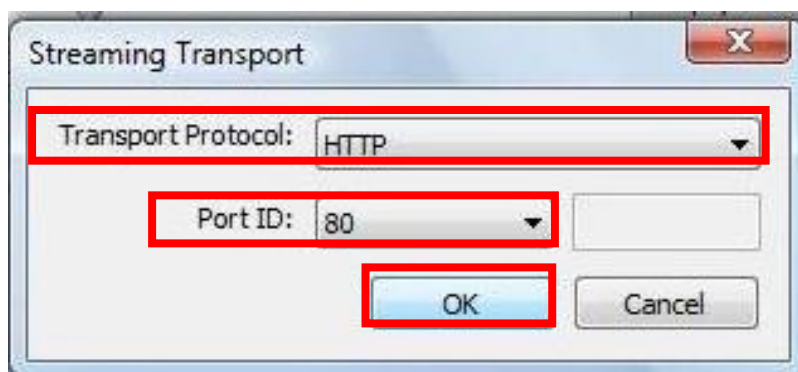


Step 2

Choose [Advanced] → set Transport Setup as [Custom...]



Set Transportation Protocol as [HTTP] → and set Port ID as [80] → [OK]



NOTE: The default Port ID is 80, users are able to change the value properly according to their network settings.

Step 3

Open IE browser, enter IP address of the DVR, and press [Enter].
(The default IP address of the DVR: 192.168.0.89)



Step 4

Enter ID and Password to login to the NetView



A login form titled "LOGIN PASSWORD" in a purple header. It contains two input fields: "ID:" with the value "7" and "Password:" with four black dots. Below the fields is a blue "LOGIN" button.

The default passwords of users.

| | ID | Password |
|----------------|----|----------|
| Guest Password | 7 | 1111 |
| User Password | 8 | 2222 |
| Admin Password | 9 | 3333 |

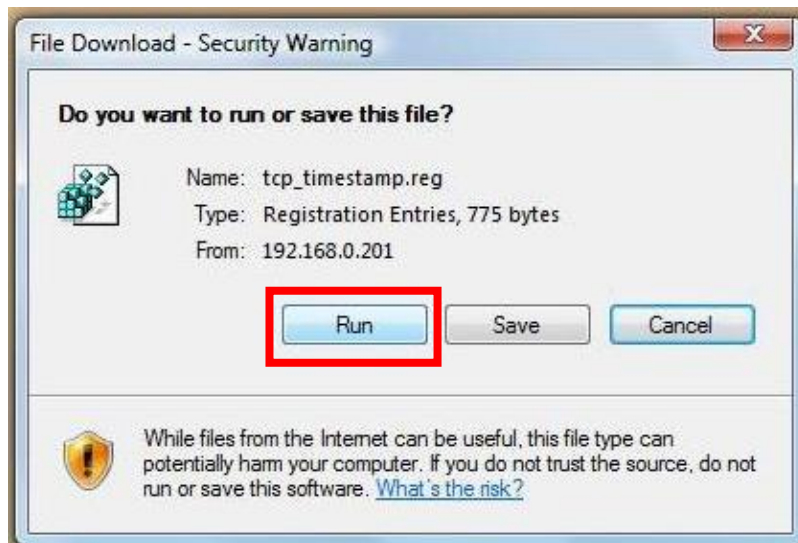
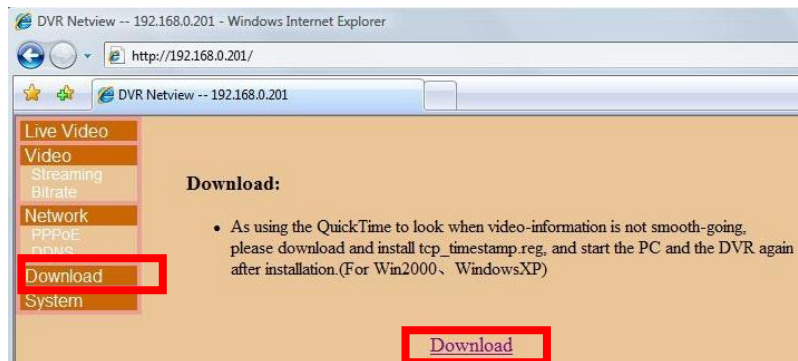
Step 5

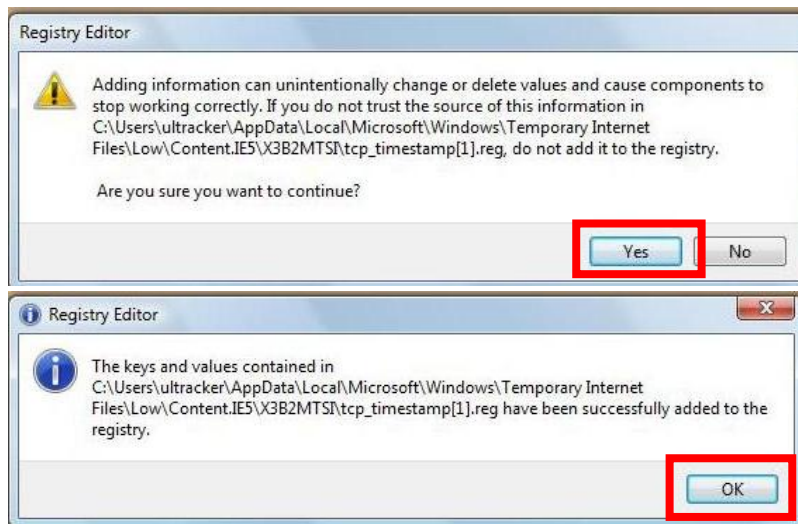
Click the button of [SETUP]



Step 6

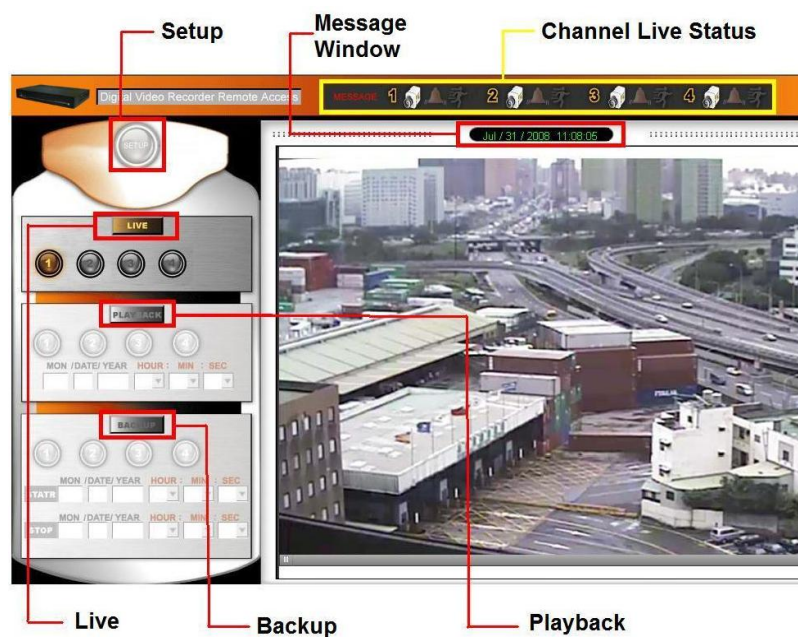
Click [Download] to download and install tcp_timestamp.reg, in order to improve the NetView operation more fluently.






Chapter 6 NetView Operation

6.1 Overview




Channel Status

Users are able to monitor

| | |
|---|--|
|  | Live video of the channel is working good. |
|  | Video loss in the channel. |
|  | An alarm is triggered in the channel. |
|  | Video loss but an alarm is triggered in the channel. |
|  | Motion is detected in the cahnnel.. |
|  | An alarm and motion are both triggered in the channel. |


Message Window

In live mode, it will show current time, in playback mode, playback time will be

shown instead. If it shows [Disconnection], please click the button  or press [F5] to refresh the web page.

6.2 Live & Playback

Live

Click the button  and choose one of the channels for remote live viewing.



NOTE: All users ID: 7, 8 and 9 are able to monitor live images remotely.

Playback

Click the button **PLAYBACK** and choose one of the channels for playback viewing.



Search an appropriate date & time, and click rewind, pause/play or fast forward to view the playback video.

Choose an appropriate



Select hour, minute and second

Click rewind, pause, play or fast forward

NOTE: Only users of ID: 8 and 9 are able to enter playback model.

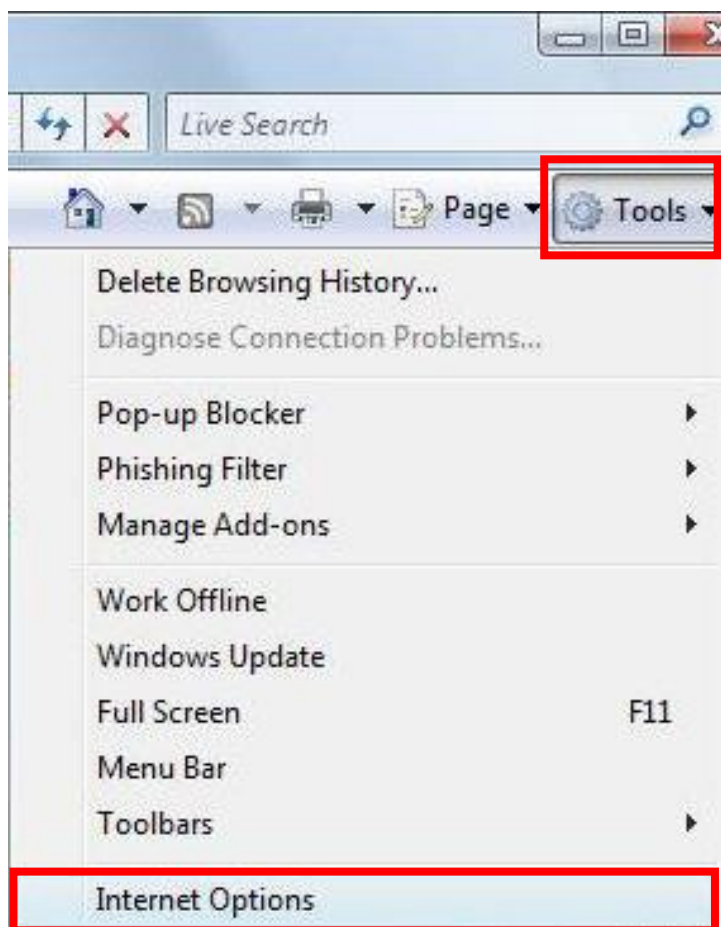
6.3 Backup

1. Initial settings of backup function

Before operating backup function, users will need to download unsigned ActiveX controls as following steps:

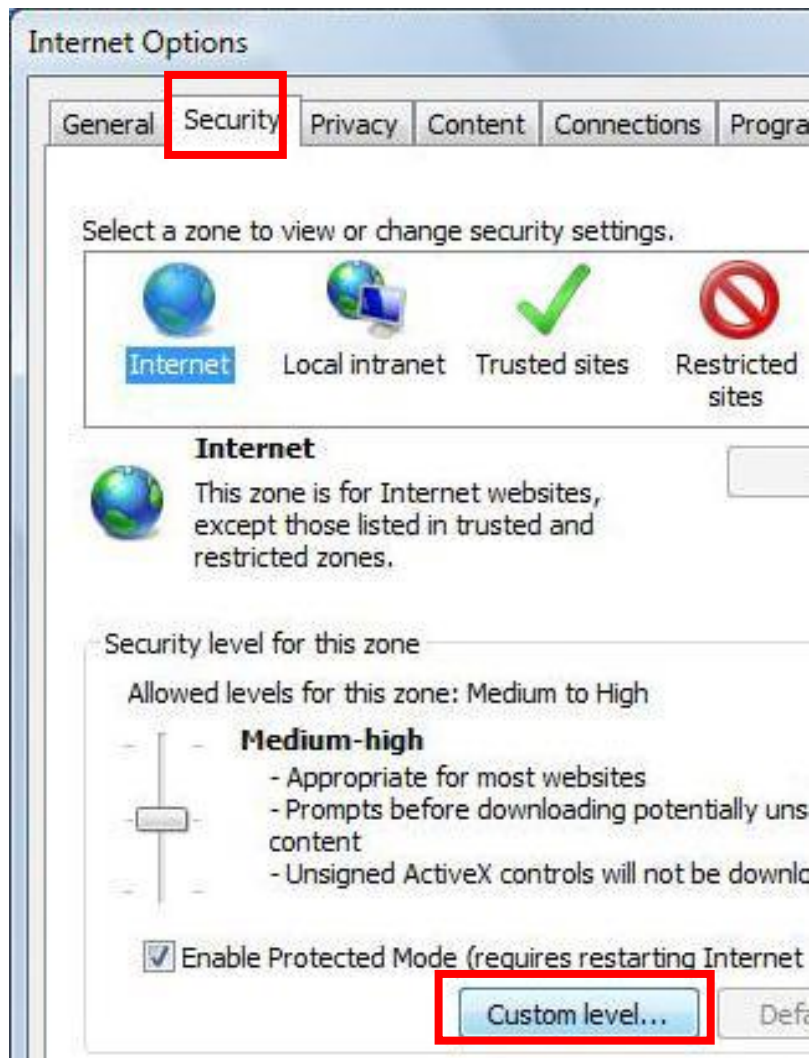
Step 1

Click [Tool] of IE browser, choose [Internet Options]



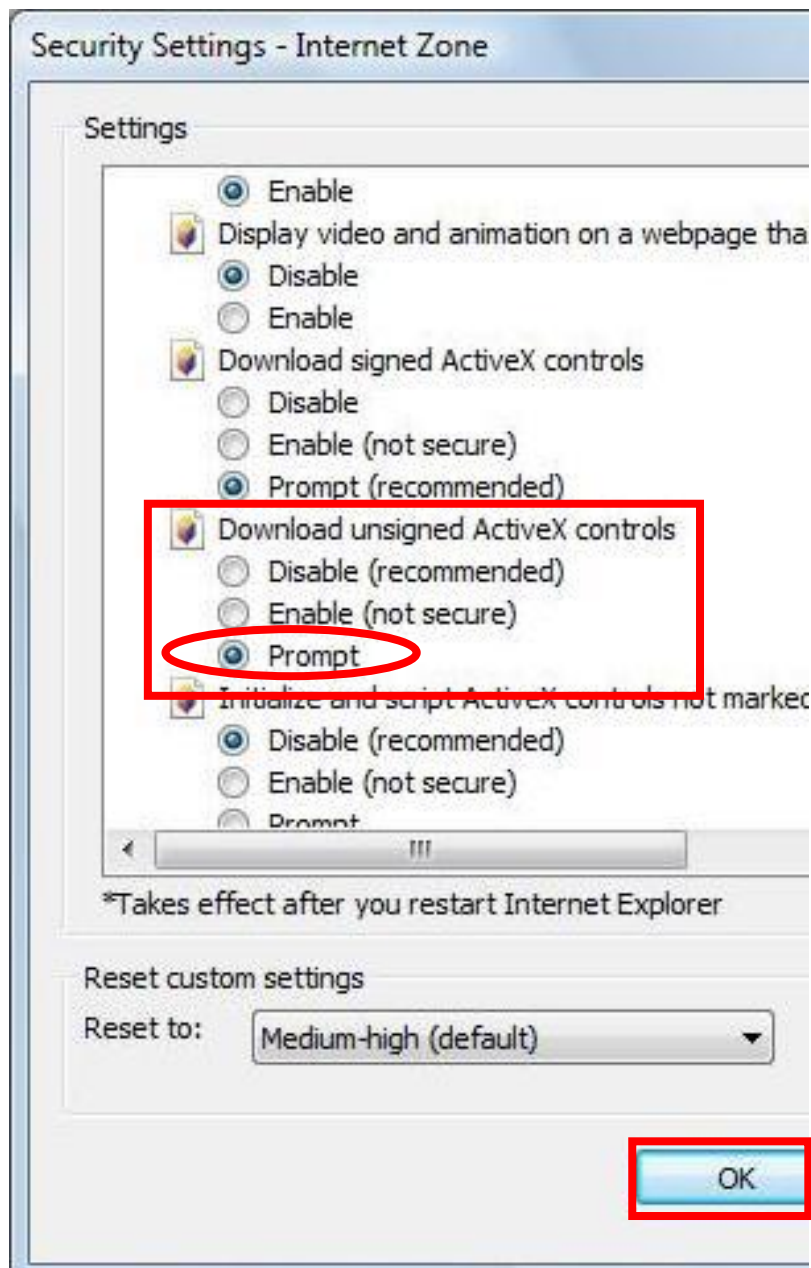
Step 2

Choose the label of [Security] → [Custom level...]



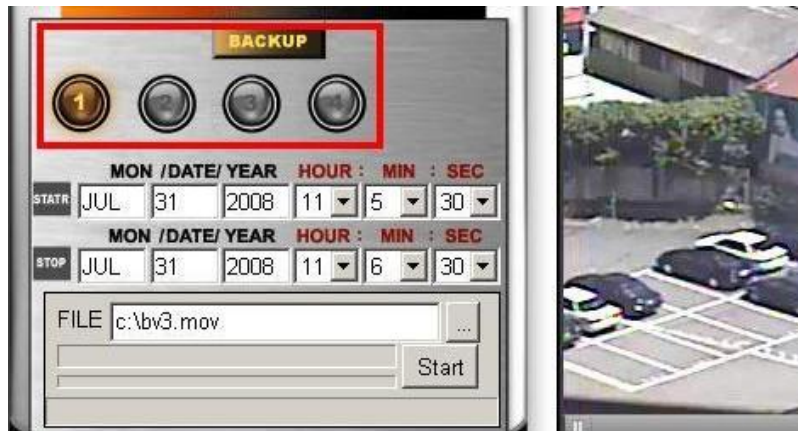
Step 3

Find the item [Download unsigned ActiveX controls] → choose [Prompt] → [OK]

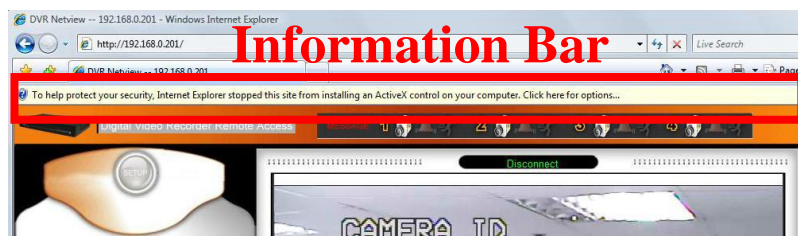


Step 4

Click the button [BACKUP]

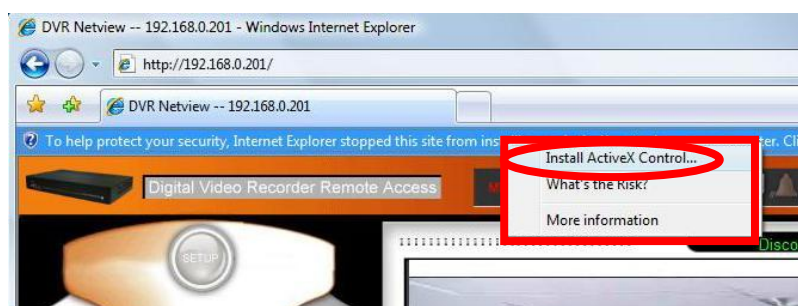


There will be an information bar and windows message showing [Did you notice the Information Bar?] → Click [Close]



Step 5

Right-click the information bar, choose [Install ActiveX Control...]



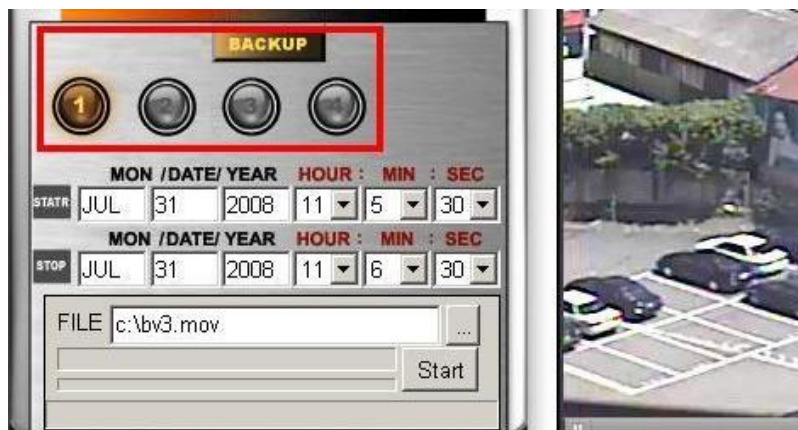
Click [OK] while a message is shown [Windows has blocked this software because it can't verify the publisher.]



2. Backup

Step 1

Click the button **BACKUP** and choose one of the channels for remote backup function.



Step 2

Select an appropriate start/stop date & time which is going to be saved.

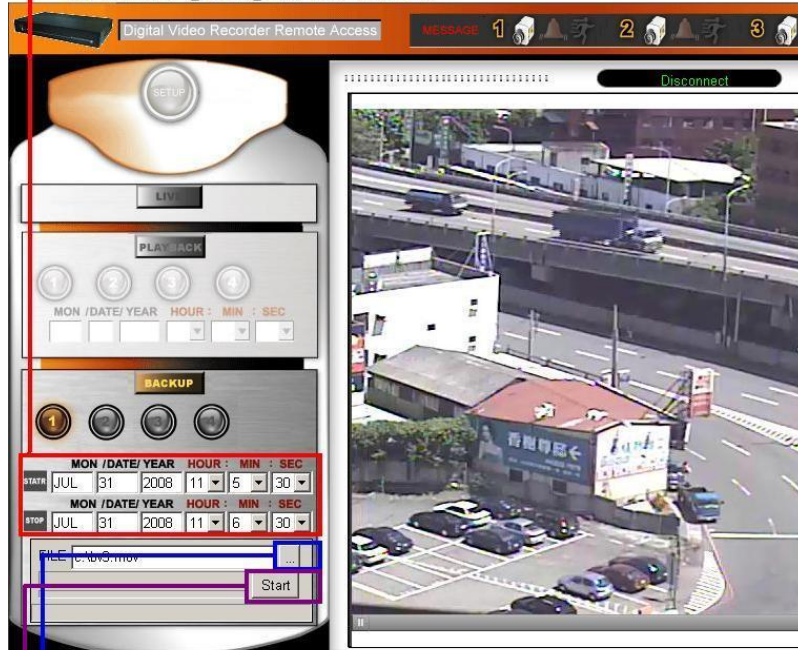
Step 3

Click the button [...] to select a path of the computer to save the backup file.

Step 4

Press the button [Start] to start downloading the file.

Choose an appropriate start/stop date & time which is going to be saved



Select an appropriate path to save the backup video
Press the button [Start] to start saving the file

Users can press the button [Stop] to stop downloading while the file is transferring.



NOTE: Only users of ID: 9 are able to enter backup model.

6.4 Setup

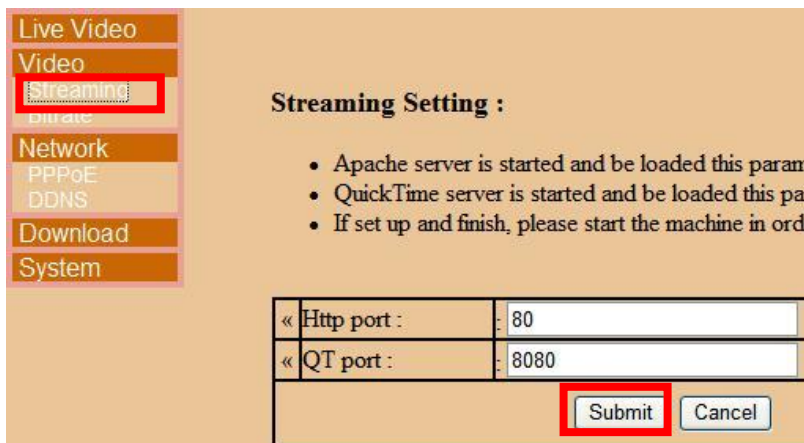


Click the button [Setup] to set the network settings.

NOTE: All Users of ID: 7, 8 and 9 are able to enter setup mode, but only ID: 9 is authorized to change DDNS and PPPoE settings.

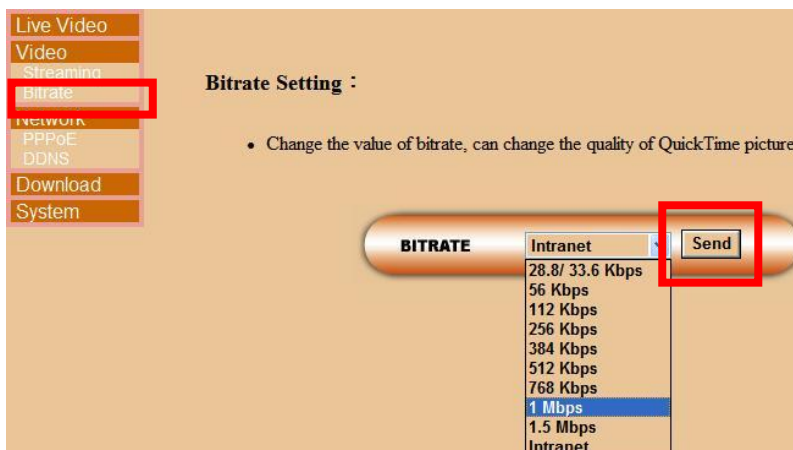
1. Streaming

Click [Streaming] to set the ports for Http and QuickTime, click [Submit] to save the settings.

The interface shows a sidebar on the left with menu items: Live Video, Video, Streaming (highlighted with a red box), Bitrate, Network, PPPoE, DDNS, Download, and System. The main area is titled "Streaming Setting :". It contains a bulleted list: "Apache server is started and be loaded this param", "QuickTime server is started and be loaded this pa", and "If set up and finish, please start the machine in ord". Below the list is a table with two rows: "« Http port : 80" and "« QT port : 8080". At the bottom right, there are "Submit" and "Cancel" buttons, with "Submit" highlighted by a red box.

2. Bitrate

Click [Bitrate] to select an appropriate bitrate → click [Send] to save the setting.

The interface shows a sidebar on the left with menu items: Live Video, Video, Streaming, Bitrate (highlighted with a red box), Network, PPPoE, DDNS, Download, and System. The main area is titled "Bitrate Setting :". It contains a bulleted list: "Change the value of bitrate, can change the quality of QuickTime picture.". Below the list is a "BITRATE" dropdown menu. The dropdown is open, showing a list of options: "Intranet", "28.8/ 33.6 Kbps", "56 Kbps", "112 Kbps", "256 Kbps", "384 Kbps", "512 Kbps", "768 Kbps", "1 Mbps" (highlighted with a blue bar), "1.5 Mbps", and "Intranet". To the right of the dropdown is a "Send" button, which is highlighted by a red box.

NOTE: The higher the Bitrate, the better the video quality, and lower the frame rate. Intranet users should choose "Intranet" for the best video quality.

6.5 PPPoE

PPPoE, Point-to-Point Protocol over Ethernet, is a network protocol used mainly with ADSL services.

PPPoE Settings

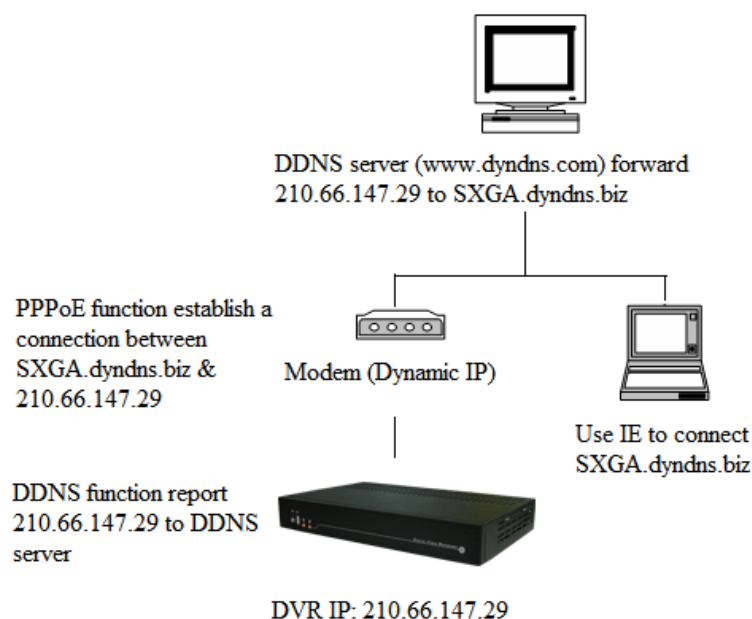
In Setup mode, click [PPPoE]. Set PPPoE Status as [ON], and enter the [PPPoE User Name] and [PPPoE Password] assigned by the ADSL service provider. Click [Submit] and reboot the DVR.

| | |
|---|------------|
| « PPPoE Status | : ON ▼ |
| « PPPoE User Name | : T0639344 |
| « PPPoE Password | : •••••••• |
| <input type="button" value="Submit"/> <input type="button" value="Cancel"/> | |

6.6 DDNS

DDNS, Dynamic DNS allows the domain name data held in a name server to be updated in real time. The most common use for this is in allowing an Internet domain name to be assigned to a computer with a dynamic IP address.

The following is an example to create a DDNS account for users' reference.



1. Create a free DDNS account and host name from DynDNS

Step 1

Go to the website www.dyndns.com and click [Create Account].



Step 2

Enter the [User Information]: [Username], [Email Address] and [Password] to create a DDNS account. Please be minded that it is necessary to put on an effective IP address, and remember the password, as it will be confirmed and noticed by email.

User Information

| | |
|------------------------|---------------|
| Username: | SXGADVR |
| Email Address: | info@h264.com |
| Confirm Email Address: | info@h264.com |
| Password: | ●●●●●●●● |
| Confirm Password: | ●●●●●●●● |

Check the two boxes below the [Terms of Service]

Terms of Service

Please read the acceptable use policy (AUP) and accept it prior to creating your account. Also agree that creation of multiple free accounts will result in the deletion of all other free accounts.

Last Updated August 25, 2008

1. ACKNOWLEDGMENT AND ACCEPTANCE OF AUP, TOS AND ADDITIONAL POLICIES

By Your use and continued use of www.dyndns.com (the "Website") and the services made available through the Website and/or under the DynDNS® brand (the "Services"), You agree to be bound by all of the terms and conditions of this acceptable use policy (the "AUP"), the terms of service agreement (the "TOS"), available at www.dyndns.com/legal/aup.html, and the Additional Policies (as defined in the TOS).

All Paid and Free Services (as defined in the TOS) provided by Dynamic Network Services, Inc. ("Dyn") are provided to

I agree to the AUP: ☒

I will only create one (1) free account: ☒

Click the button [Create Account] on the bottom of the page.

Next Step

After you click "Create Account", we will create your account and send you an email to the address you provided. Please follow the instructions in that email to confirm your account. You will need to confirm your account within 48 hours or we will automatically delete your account. (This helps prevent unwanted robots on our systems)

[Create Account](#)

The account is created, and users should receive the confirmation email within a few minutes.

Account Created

Your account, SXGADVR, has been created. Directions for activating your account have been sent to your email address: info@h264.com. To complete registration, please follow the directions you receive within 48 hours.

You should receive the confirmation email within a few minutes. Please make certain that your spam filtering allows messages from support@dyndns.com to be delivered. If you have not received this email within an hour or so, request a [password reset](#). Following the instructions in the password reset email will also confirm your new account.

Thanks for using DynDNS!

Step 3

Check the email box, and find the confirmation email sent by DynDNS Support. Visit the confirmation address to complete the account creation process.

! 0 寄件者 主旨
DynDNS Support Your DynDNS Account Information

寄件者: DynDNS Support 收件者: yvonne@ultracker.com
主旨: Your DynDNS Account Information

Your DynDNS Account 'SXGADVR' has been created. You need to visit the confirmation address below within 48 hours to complete the account creation process:

<https://www.dyndns.com/account/confirm/IYWiODmgFlpmciJo5mhNB4>

Our basic service offerings are free, but they are supported by our paid services. See <http://www.dyndns.com/services/> for a full listing of all of our available services.

The account is confirmed, click [login] to start using the account.

Account Confirmed **Login**

The account SXGADVR has been confirmed. You can now [login](#) and start using your account.

Be informed of new services, changes to services, and important system maintenance/status [mailing lists](#). Once there, you may subscribe to the Announce list by checking the appropriate button.



- [Create a dynamic DNS host with your own domain name](#)
- [Create a dynamic DNS host within our domains](#)
- [Use our MailHop mail services](#)
- [Register a domain name](#)

Enter the [Username] and [Password] → click the button [Login]

Username: Password:

Click the item [Add Host Services]

Account Summary for SXGADVR

| My Services | Billing |
|---|--|
|  View, modify, purchase, and delete your services. |  Update your billing information, complete a purchase, and view invoices. |
| My Zones | View Shopping Cart |
| Add Zone Services | Active Services |
| My Hosts | Order History |
| Add Host Services | Billing Profile and Vouchers |
| Spring Servers | Renew Services |

Add Host Services

Step 4

Create new hostname, enter [Hostname], [Service Type] and [IP Address] → click [Create Host]

Hostname: .

Wildcard: ☐ Yes, alias "*.hostname.domain" to same settings.

Service Type: ☒ Host with IP address
☐ WebHop Redirect
☐ Offline Hostname

IP Address:
[Use auto detected IP address 210.66.147.11.](#)

TTL value is 60 seconds. [Edit TTL.](#)

Mail Routing: ☐ Yes, let me configure Email routing.

2. DDNS settings

Step 1

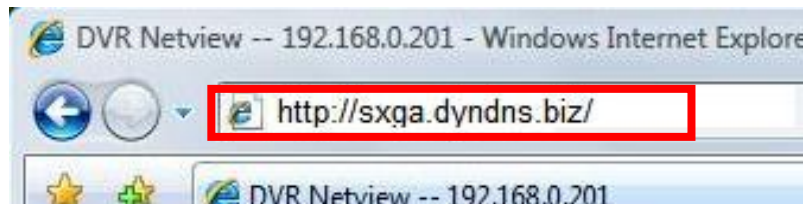
In SETUP mode, click [DDNS], set DDNS Status as [ON], enter [DDNS User Name], [DDNS Password] and [DDNS Host Name], and choose [DDNS Select]. Click [Submit] and reboot the DVR.

| | |
|--------------------------|----------------------------|
| « DDNS Status | : ON ▾ |
| « DDNS User Name | : SXGADVR |
| « DDNS Password | :[] |
| « DDNS Host Name | : sxga.dyndns.biz |
| « DDNS Select | : http://www.dyndns.com/ ▾ |
| <div>Submit Cancel</div> | |

Step 2

Connect to DVR by DDNS host name.

Open IE browser, enter [DDNS Host Name], and press [Enter].



Step 3

Please refer to the Section 5.2 Step 4 & Chapter 6..

Appendix A: Specification

| Model | | UM7204 |
|--------------|--------------------------|---|
| Function | No. of cameras | 4 |
| | Split display mode | 1, 4 |
| | Operation | Mouse / IR remote control |
| | Multiplex mode | Quadruplex (Live/Record/Playback/Ethernet) |
| | Display resolution (VGA) | 1280x1024 |
| | Live frame rate | 120fps (NTSC), 100fps (PAL) |
| | Color | 16M colors (Y:8, U:8, V:8) 4:2:2 |
| | Playback mark | Yes |
| | Watch dog | Yes |
| | Wall mount | Yes |
| Record | Resolution | NTSC: 640x480, PAL: 640x512 (1280x1024 at quad mode) |
| | Frame rate | 60fps (NTSC), 50fps (PAL) |
| | Recording quality | 5 levels |
| | Compression algorithm | H.264 enhanced |
| | Max. compression rate | 300:1 |
| | Motion recording | Yes |
| | Pre-recording | 3 sec ~ 10 sec |
| | Post-recording | 1 sec ~ 255 sec (programmable) |
| Playback | Search mode | Smart search by file/event/frame/time/date |
| | Search speed | Date, hour, min, sec, frame, pause |
| | Playback speed | Pause, x1, x5, x15, x60 |
| Connector | Video out VGA | x1 |
| | Audio line in | RCAX2 (1 Vp-p) |
| | Audio line out | RCA (L,R) (1 Vp-p) |
| | Ethernet 10/100M | RJ45x1 |
| | DC jack | x1 (12V) |
| | DSUB9 | 1 (Alarm-in x4, Alarm-out x1) , relay |
| | IR extension jack | x1 |
| | IR extension cord | option |
| | IR receiver | Yes |
| | USB port | x2 (Mouse x 1/ USB flash x 1) |
| Alarm/Motion | Motion detection | 12 (4x3) motion zones |

| | | |
|----------------------|------------------------------|--|
| | Motion detection sensitivity | 100 levels |
| | No. of alarm inputs | 4 |
| | No. of alarm outputs | 1 |
| | Alarm type | Relay, NO (Normal Open), NC (Normal Close) |
| Event | Size of event list | 256 events |
| | Event source | Alarm, motion, video loss, power loss |
| Ethernet | 10/100M LAN | Yes |
| | Remote viewing | IE, suggested resolution: 1024x768 |
| | PPPoE | Yes |
| | DDNS | Yes |
| Backup | HDD capacity | SATA 3.5", 120GB ~ 500GB |
| | USB | Yes |
| | Remote backup | Yes, via IE browser |
| Specification | Adapter output | DC12V |
| | Voltage range | 100~240V |
| | Power consumption | Max. 30W |
| | Operating temperature | 5 ~ 40 °C |
| | Operating relative humidity | 10 ~ 75 % |
| | Net weight | 1.15 ± 0.1 kg |
| | Shipping weight | 1.9 ± 0.1 kg |
| | Dimension (mm) | 290x180x41.8 (W x L x H) |

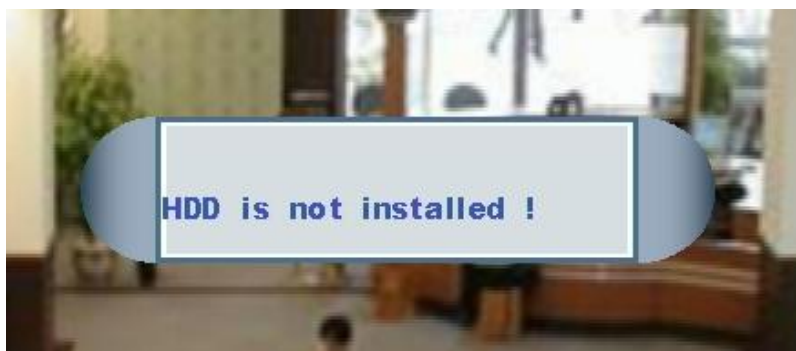
Appendix B: FAQ

HDD Questions:

1. Q: Why does the DVR not recording after the HDD is installed?
A: The problem might occur when the HDD is not well installed or unformatted; or the DVR power is being turn off or the Recording Rate setting is Zero or the Record Mode setting is selected (the single-way recording selection will stop recording when the DVR is full). ➡



2. Q: How do I turn off the message “HDD is not installed” on the display screen?



A: Please install the HDD or you may switch off the beeping sound by turn off the BUZZER under the ALARM setting.



3. Q: Can I take the HDD to play at the PC?

A: NO! The format setting is different and it cannot be recognized thru PC.

USB Flash Drive Questions:

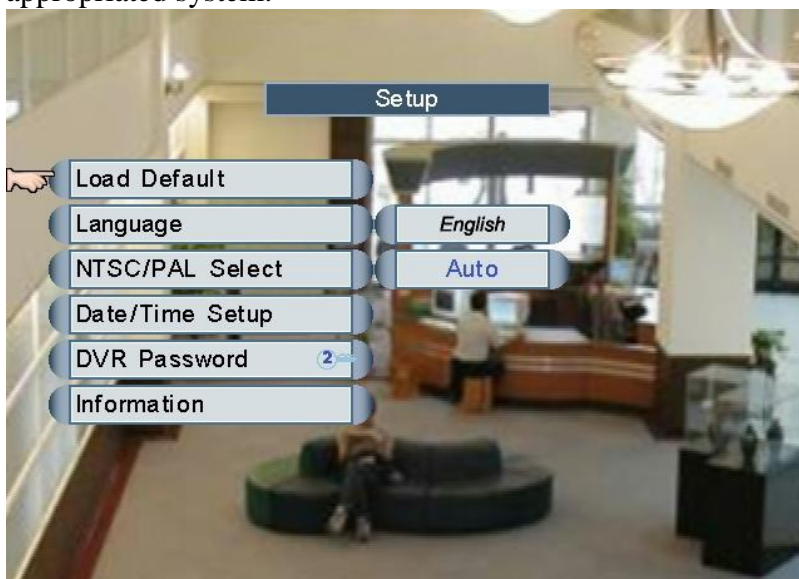
4. Q: Why can't I play the ".mov" file when I backup the data in the USB Flash Drive?

A: The problem might occur when using the unsuitable display software. Please use the Quick Time Player to display the ".mov" file.

Display Questions:

5. Q: Why the monitor screen is showing the twisted images and the color is not right?

A: The problem might occur when there are two different NTSC/PAL system accessories being used. Please check the SET UP setting and then select the appropriated system.



6. Q: Why there is no any icon on the display screen?

A: Please left click the mouse on the button  of the DVR Tool Bar to show the icon on the display screen.



7. Q: Why there is no any live image when entering IE?

A: Please check if the Quick Time Player has been installed in the PC because it can only be play thru the Quick Time Player. You may also refer to the Chapter 5 for detail information.

Audio Questions:

8. Q: Why there is no any sound when plug in the AUDIO IN?

A: Please check if the Audio is on. Also, the problem might occur when using the wrong AUDIO setting. For example, wrong specification of the microphone or plug in the inappropriate equipment.

9. Q: Why does the irregular sound appear when plug in the AUDIO IN?

A: Please adjust the volume of the equipment.

Setting Questions:

10. Q: Why the expected recording time is less than the actual recording time?

A: The System will adjust the setting automatically after one day recording period.

11. Q: Why does the DVR cannot connect thru LAN?

A: The network cable might not be connected or the modem is broken or the IP setting is incorrect.

12. Q: Why does the buzzer cannot stop making a sound?

A: The problem might occur when the HDD is uninstalled or the HDD is broken or the HDD is full. The MOTION and BUZZER setting will also cause the effect.



Disable the motion detection to stop beeping sound. ↓



Disable the buzzer setting to stop beeping sound. ↓



13. Q: Why can't I find the specific recording data when I use the playback?

A: The previous data might be rewrite by the continuing recording  setting option. You can select the single-way recording  setting, so when the HDD is full, DVR will stop recording and will not rewrite on the data.



Others:

14. Q: What if I forgot the password?

A: Please contact your supplier.

15. Q: Why the DVR is being interfered by other remote control?

A: There is no problem of interference or cross talk if a single remote control is used. Even if a plurality of remote controls is used, there is no problem of interference or cross talk as long as each remote control is used at a different time.

16. Q: How to set up for DDNS account and all the related settings?

A: Please refer to the Chapter 5 for detail instruction.