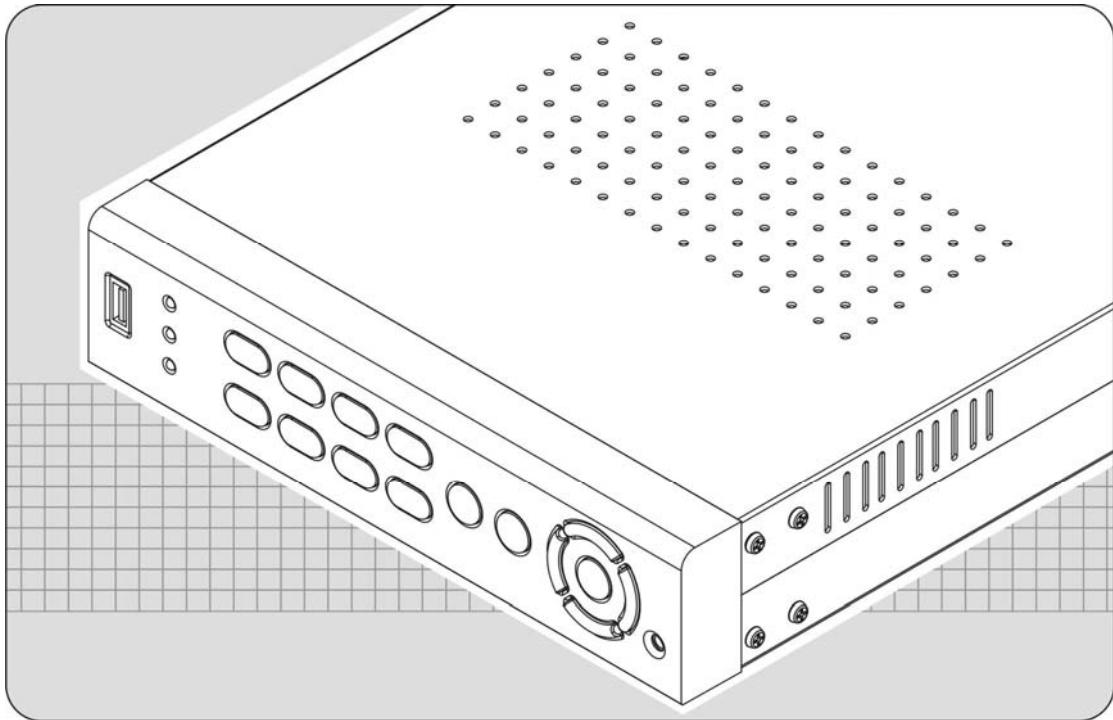


# 4CH H.264 STANDALONE DVR SYSTEM

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## USER MANUAL

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2010 Apr. V1.0





## WARNING

- Do not expose the DVR under the sunlight, heat or wet environment while installation. As it could decrease the performance of DVR and damage the machine.
- Do not touch the power plug or case with wet hands as this could result electric shock.
- Do not forcedly bend or put heavy object on power cable as this could result in injury to personal or equipment.
- Do not operate with damaged power cord or loose electrical outlet as this could result in electric shock or accident.
- Please use individual power instead of share electrical outlets with other electrical equipment as this could result in damage or accident.
- Do not attempt to service this DVR by yourself as it may expose you to dangerous voltage or other hazards. Please refer all service to the qualified servicing distributor.
- Do not open the covers or insert any object into DVR.



## CAUTION

- Do not place the machine on an uneven surface or it would decrease the DVR efficiency or malfunction.
- Avoid any shock or bumping of the DVR while recording. Improper handling could damage the system.

	<b>CAUTION</b>	
	Make sure the voltage selector switch (115V/230V) is set to appropriate setting before plug in!	

# CONTENTS

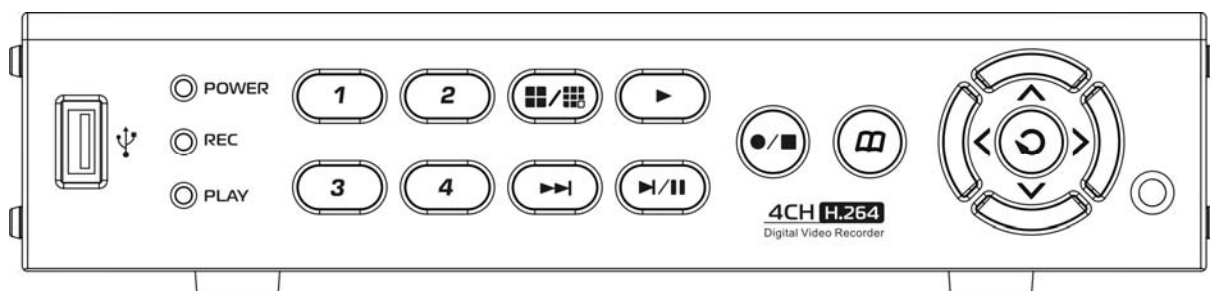
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# 1. Specification

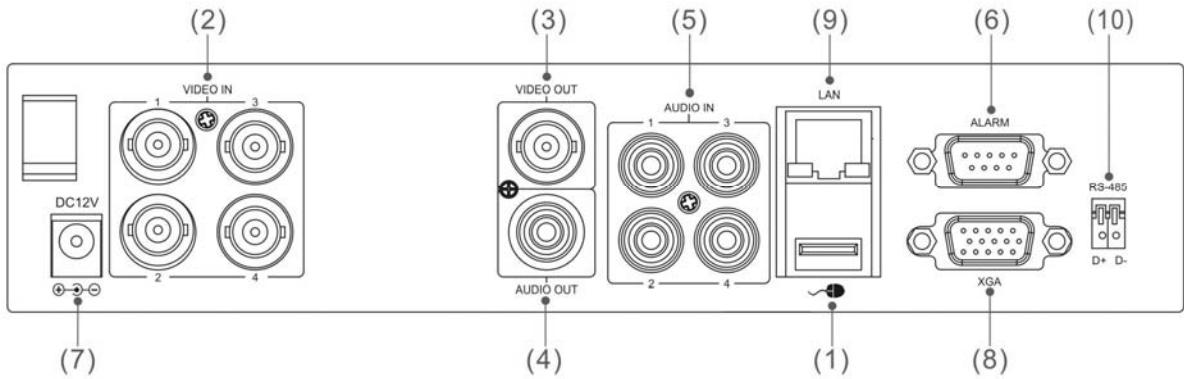
Video Format		NTSC	PAL
Video Input		4 CH Input / BNC	
Audio Input		4 CH Input / RCA	
Video Output		1CH Output / BNC	
Audio Output		1CH Output / RCA	
XGA Output		640x480、800x600、1024x768、1280x1024、1440x900	
Alarm Input		4CH Alarm In	
Alarm Output		Buzzer、2 x Relay Out (N.O、N.C)	
Display Mode		Full Screen, 4CH Split Screen, Auto Switch	
Display Resolution		720 x 480	720 x 576
Recording Resolution	Highest	720 x 480	720 x 576
	High	720 x 240	720 x 288
	Normal	360 x 240	360 x 288
Recording Frame		Max. 120 FPS	Max. 100 FPS
Compression Algorithm		H.264	
Operating System		Embedded Linux	
Pentaplex		Live / Record / Playback / Network / Mobile Phone	
Recording Mode		Manual, Schedule, Event	
Schedule Recording		Full Recording, Motion, Alarm, Manual Recording	
Status Indicator		Power, Recorder, Play	
Event Mode		Alarm Trigger, Motion Trigger, Video Loss Recording Duration: 10~60 sec.	
Playback Mode		Normal Speed: x1 Fast Forward: x2 / x4 / x8 / x16 multiple speed Slow Forward: 1/2、1/4、1/8 multiple speed Fast Rewind: x2 / x4 / x8 / x16 Frame by Frame Playback: Forward Search Function: Time / Event	
Network Protocol		TCP/IP / PPPoE / DHCP / SMTP / DDNS	
HDD Type		SATA 3.5" HDD x 1 (No HDD Included)	
HDD Management		Automatic Format System	
PTZ Control		Communication Protocol (PELCO P, PELCO D, MIKAMI)	
Backup Device		USB 2.0 Flash Memory Stick	
Firmware Update		Host USB	
Multi-Language		English / Chinese / Others	
Control Mode		Front Panel / Remote Control / USB Mouse / Internet	
Network Control		IE Browser	
Network Function		Live Display / Playback / PTZ Control / System Setup	
Power Supply		DC 12V / 3A (AC100V~240V 50/60HZ)	
Unit Dimension		220mm (D) x 228mm (W) x 48 (H) mm	
Weight		Unit Weight 1.6kg (HDD and Power Adapter Not Included)	
Operating Temperature		0°C ~ 46°C	

## 2. Front Panel



	MENU	Under the live viewing mode, press MENU to enter the main menu. Under the menu mode, press MENU to go to the upper menu.
	Manual Record/ STOP	Press this button to start recording in live mode. Under the playback mode, press the button to stop the operation or go to upper menu.
	Step / Pause	Under the playback mode, press Step button to enter Play Frame by Frame mode. Under the playback mode, press the button to pause the playback.
	Play	Under the live viewing mode, press the Play button to enter the playback mode.
	Slow Forward	Slow Forward speed: 1/2 · 1/4 · 1/8
	Quad	Quad screen display.
1	Channel 1	Under the live viewing mode or playback mode,channel 1 display.
2	Channel 2	Under the live viewing mode or playback mode,channel 2 display.
3	Channel 3	Under the live viewing mode or playback mode,channel 3 display.
4	Channel 4	Under the live viewing mode or playback mode,channel 4 display.
	USB 2.0 Port	USB backup or firmware update.
POWER	Power Indicator	The LED lights on when power on.
REC	Record Indicator	The LED lights on when the DVR is recording.
PLAY	Play Indicator	The LED lights on when the DVR is playing.
	Up Down	To move up or down of the selection setting in the menu
	Left Fast Rewind	To move left of the selection setting in menu. Playback: x2 / x4 / x8 / x16 Multiple Speed.
	Right Fast Forward	To move right of the selection setting in menu. Playback: x2 / x4 / x8 / x16 Multiple Speed.
	Enter	Press the Enter button to confirm the setup or go into sub-menu.

### 3. Installation



1	USB Mouse Port	1.1 USB Mouse
2	VIDEO IN	4CH Video Input (BNC)
3	VIDEO OUT	1CH Video Output (BNC)
4	AUDIO OUT	1CH Audio Output (RCA)
5	AUDIO IN	4CH Audio Input
6	ALARM	Alarm I/O
7	DC12V	Power Input
8	XGA	PC Monitor Output
9	LAN	RJ-45 Network Connection
10	RS-485	For Speed Dome Use

#### ● Alarm I/O

	<b>Item</b>
	Point 1: CH1 sensor input.
	Point 2: CH2 sensor input.
	Point 3: CH3 sensor input.
	Point 4: CH4 sensor input.
	Point 5: ground.
	Point 6: the first relay joint port.
	Point 7: the first relay normal open.
	Point 8: the second relay joint port.
Point 9: the second relay normal open.	

### 4. DVR Installation

- **Connect the camera video output to the DVR video input port with BNC connectors.**

The camera install coaxial cable is suggested cat 6 or above.

- **DVR Network installation**

Please connect DVR to HUB or router by using RJ-45 network cable and make sure the DVR network indicator LED is on.

(Please refer to [7.5.5 Network Setup](#) for further network setting information of using static IP, PPPoE or DHCP.

- **Alarm Installation**

Please refer to [3. Installation](#) for external alarm I/O installation.

Please refer to [7.5.1 Alarm Setup](#).

- **Speed Dome Installation**

This device can support 3 kinds of communication protocol ( Pelco D 、 Pelco P & MIKAMI)

- **Power Installation**

Please use the provided power cable and adaptor to connect the DVR (AC100V~AC230V). Please refer to [3. Installation](#) for connecting position.

The DVR system will enter into live viewing mode when power is connected. Please refer to [6. Display Setup - Live Viewing Mode](#) for more information.

## 5. System Operation

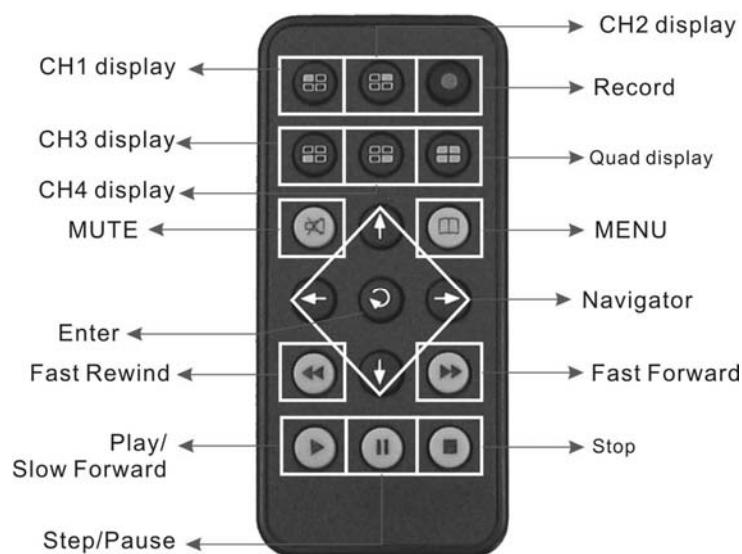
There are 3 kinds of DVR control method: front panel, remote control and USB mouse.

- **USB Mouse Operation**

- Quick Menu: Right click the mouse button under the live viewing mode to go for enter into Quick Menu.
- Left click the mouse button under the main menu to go to the sub-select menu.
- Left click the mouse button under the select menu to go to the sub-menu.
- Use the mouse to change the setting.
- Please refer to [6. Display Setup - PTZ Setup](#).

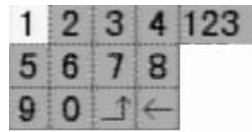
- **Remote Control Operation**

- Remote Control and front panel operation are the same; please refer to [2. Front Panel](#) and the reference table of the button as below.
- 



- **Virtual Keyboard Operation**

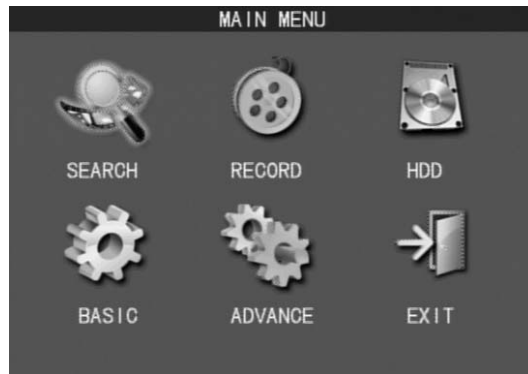
The text input of the virtual keyboard is as below:



Menu Operation	Front Panel & Remote Control Operation	Mouse Operation
Select character from virtual keyboard	[Up/Down/Left/Right]	[Move Cursor]
Keyin the select character	[Enter]	[Left Click]
Exit the virtual keyboard	[MENU]	[Left Click]out of selection area

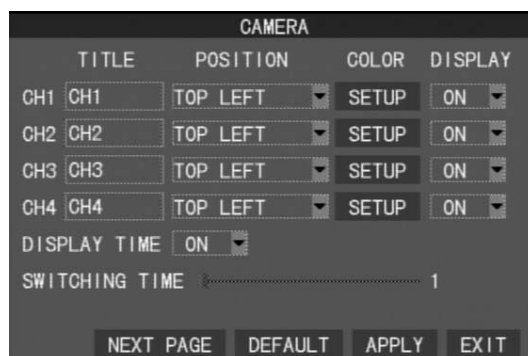
Key Description of Virtual Keyboard	
	Delete the previous character
	Switch to text input
	Enter key. Save and exit the virtual keyboard
Other Keys	Character Keyin

- **Main Menu Operation**



Setup Operation	Front Panel & Remote Control	USB Mouse
Select	[Up/Down/Left/Right]	[Moving Cursor]
Enter Select Menu	[Enter]	[Left Click]
Return to Upper Menu	[MENU]	[Exit]

- **Setup Operation**



Setup Operation	Front Panel & Remote Control	USB Mouse
Select	[Up/Down/Left/Right]	[Moving Cursor]
Confirm Select Setting	[Enter]	[Left Click]
Change the Select Setting	[Left/Right]	[Left Click]
Return to Upper Menu	[MENU]	[Exit]


- ◆ **Default**  
Set back to default setting
- ◆ **Exit**  
Return to upper menu

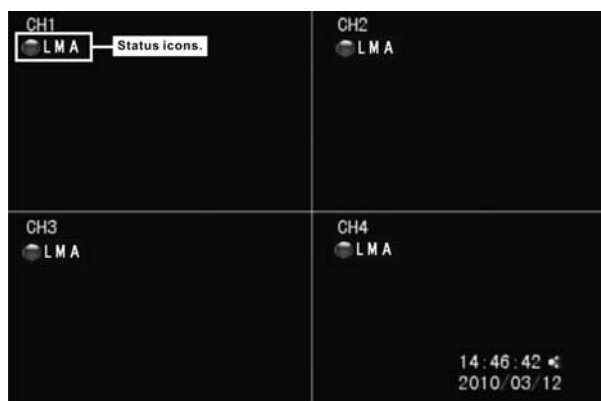
## 6. Display Setup

There are 3 kinds of screen display mode: Live, Auto Switching and PTZ. DVR.

### ● Live Viewing Mode

The DVR will go to the live viewing mode after bootup.

There are 5 different status icon: ●、M、L、A、 『Record』、 『Motion Triggered』、 『Video Loss』、 『Alarm Triggered』、 『Sound on/off』。



Setup Operation	Front Panel&Remote Control	USB Mouse
Channel 1~4 Single Channel Display	[CH1~4]	Select one of channel [Double click left button]
4 Channel Split Display	[4 CH Split]	Under single channel [Double click left button]
Quick Menu	[MENU]	[Right]
Playback Mode	[Play]	
Start/Stop the Manual Record	[Record]	
Start/Stop the Auto Switching	Front Panel [Auto Switch] Remote Control [Auto Switch]	
Start/Stop Mute	Remote Control [Mute]	

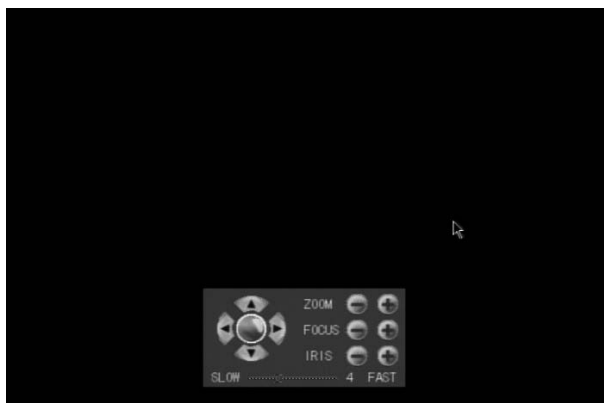
- **Quick Menu**



Setup Operation	Front Panel & Remote Control	USB Mouse
Select Item	[Up/Down]	[Moving Cursor]
Enter the Select Item	[Right]	[Moving Cursor]
Confirm the Select Item	[Enter]	[Left Click]
Exit	[MENU]	[Left Click]out of selection area

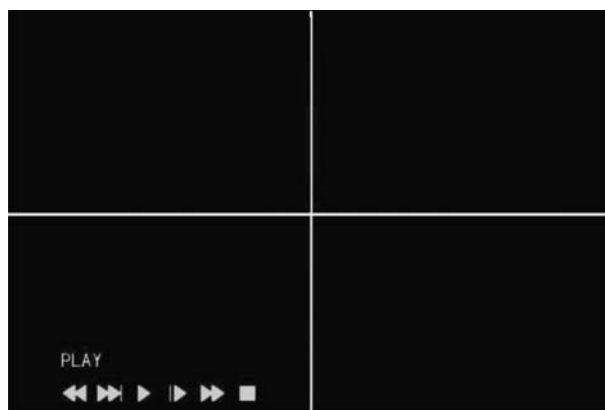
- **PTZ**

Please set the speed dome properly before control PTZ. Please refer to [7.5.4 PTZ Setup](#).



Setup Operation	Front Panel & Remote Control	USB Mouse
Select Item	[Up/Down/Left/Right]	[Moving Cursor]
Enter Select Item	[Enter]	[Left Click]
Zoom +,-		
Focus, +-		
Iris, +-		
Adjust Movment Speed		
PTZ Upward		
PTZ downward		
PTZ Left		
PTZ Right		
Start/Stop Auto Tracking		
Exit	[MENU]	Right Click

- **Palyback Operation**

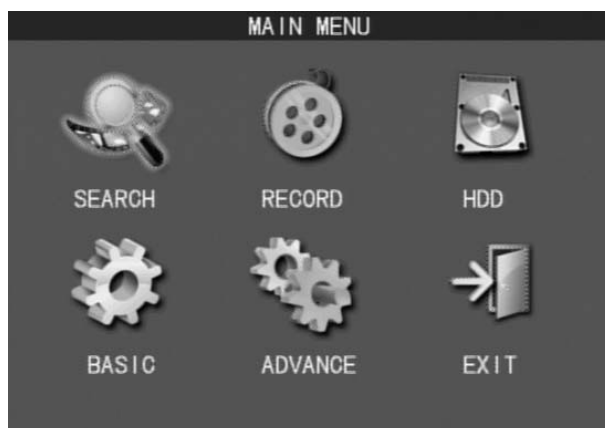


Setup Operation	Front Panel & Remote Control	USB Mouse
Fast Rewind	[Fast Rewind]	⏮
Fast Forward	[Fast Forward]	⏭
Step Forward	[StepForward]	⏪
Step/Pause	[Step/Pause]	⏩
Play 1x	[Play]	▶
Stop	[Stop]	■
1~4 Single Channel Display	[1~4 Channel]	Select Channel [Double left click]
Quad Display	[Quad 4]	Under single channel [Double left click]

- **Auto Switching**

1. Auto switch starts from order CH1~CH4, 4 split channel.
2. Press the button again to stop the function.

## 7. Main Menu Setup



Setup Operation	Front Panel & Remote Control	USB Mouse
Select Item	[Up/Down/Left/Right]	[Moving Cursor]
Enter Select Item	[Enter]	[Left Click]
Exit Main Menu	[MENU]	[Exit]

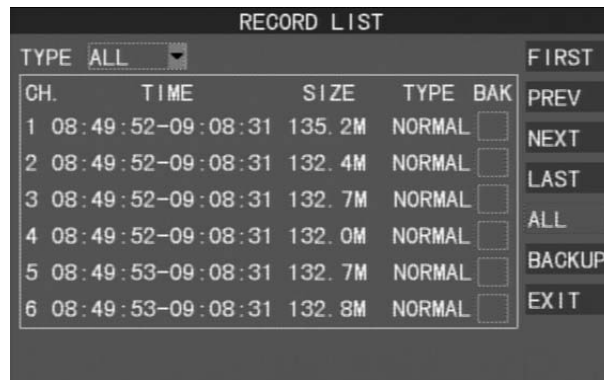
# 7.1 Search



- ★ No data: no color; data of alarm trigger: red color, normal record data: green color.
- ★ Select the first half of date frame under the date, the playback will start from 00 mins:00 sec. Select the second half of date frame under the date, the playback will start from 30mins:00sec. If there is no data on the date, please try to search from record list.

Setup Operation	Front Panel & Remote Control	USB Mouse
Search	[Enter]	[Left Click]
Select Channel	[Up/Down]	[Moving Cursor]
Select Dates	[Up/Down/Left/Right]	[Moving Cursor]
Playback	[Enter]	[Left Click]
Return to Upper Menu	[MENU]	[Exit]

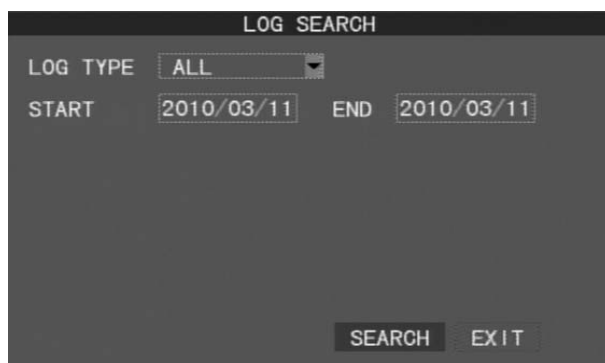
## ● Record List



Setup Operation	Front & Remote Control	USB Mouse
Enter Select Item	[Enter]	[Left Click]
Select Item	[Up/Down/Left/Right]	[Moving Cursor]
Return to Upper Menu	[MENU]	[Exit]

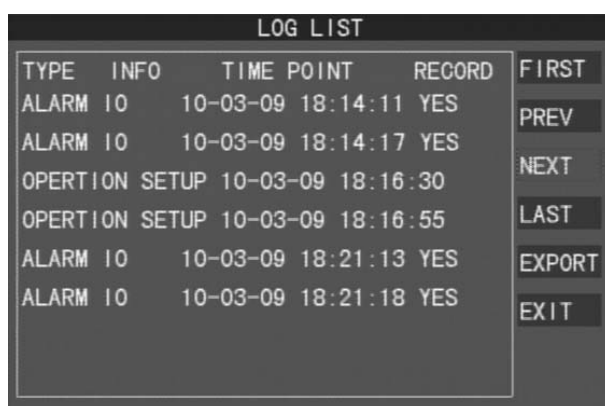
- ★ List all of recording data and click on one of record data to playback.
  - ◆ **Select All**  
Please click “ALL” to select all of list.
  - ◆ **Backup**  
Please click “BACKUP” to backup the selecting file to USB flash memory stick.

- **Log Search**



★ Select log type and time before search.

- ◆ **Log List**



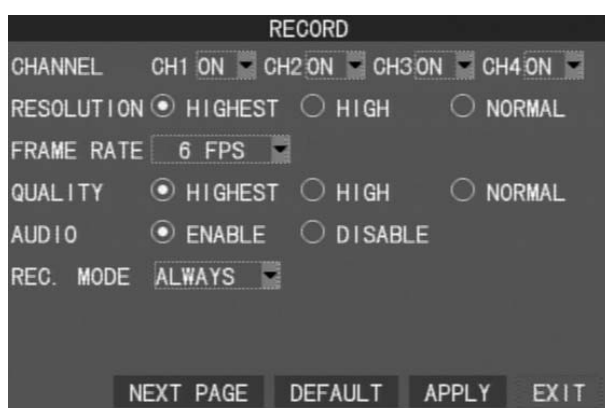
Setup Operation	Front & Remote Control	USB Mouse
Enter Select Item	[Enter]	[Left Click]
Select Item	[Up/Down/Left/Right]	[Moving Cursor]
Return to Upper Menu	[MENU]	[Exit]

★ You can click the list to playback when the alarm trigger shows YES.

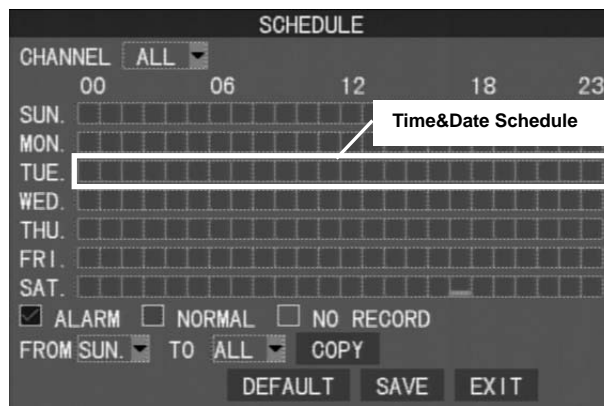
- **EXPORT**

Please click export button to export the data to USB flash memory stick.

## 7.2 Record Setup



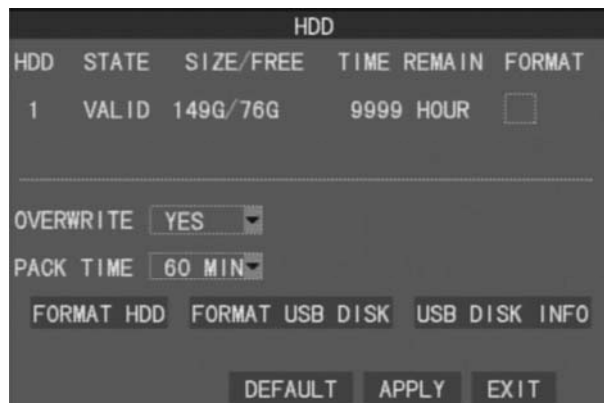
- **Channel**  
On/Off the channel.
- **Resolution**  
Set the recording resolution: Normal, High and Highest.
- **Frame Rate**  
Record frame setup
- **Quality**  
Set the record quality: Normal, High and Highest
- **Audio**  
Enable/Disable
- **Schedule**  
Record schedule setup: Continue Record and Schedule Record.
  - ◆ **Record Schedule**



Setup Operation	Front Panel & Remote Control	USB Mouse
Enter Select Item	[Enter]	[Left Click]
Select Channel	[Up/Down]	[Moving Cursor]
Select Time&Date	[Up/Down/Left/Right]	[Moving Cursor]
Return to Upper Menu	[MENU]	[Exit]
Setup Operation	Front Panel & Remote Control	USB Mouse

- **Copy**
  - (1) Select the source date
  - (2) Select the date wish to copy to
  - (3) Copy

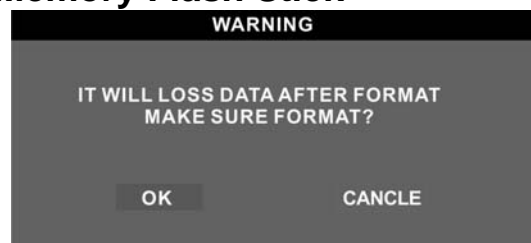
## 7.3 HDD Setup



- **Format**  
Format the selecting HDD.
- **Overwrite**  
On/Off.
- **Pack Time**  
Set the required packing time frame to allow the system to pack each saving file under continue recording mode. Pack time setting: 15 mins 、 30min 、 60min.
- **Format HDD**



- **Format USB Memory Flash Stick**



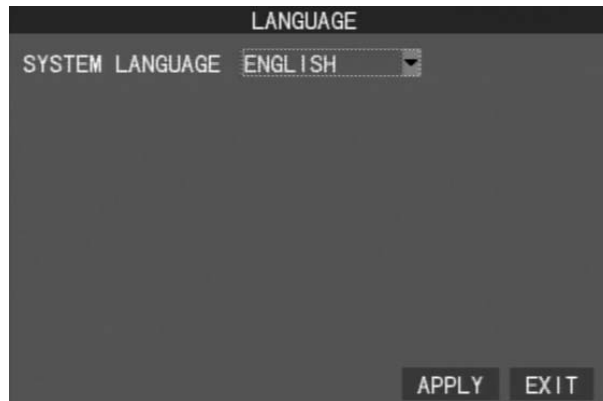
- **USB Disk Info**



## 7.4 Basic Setup



## 7.4.1 Language



LANGUAGE

SYSTEM LANGUAGE ENGLISH

APPLY EXIT

★ Please reboot after setup.

## 7.4.2 Time Setup



TIME SET

DATE 2010/03/11 DATE FORMAT YY/MM/DD

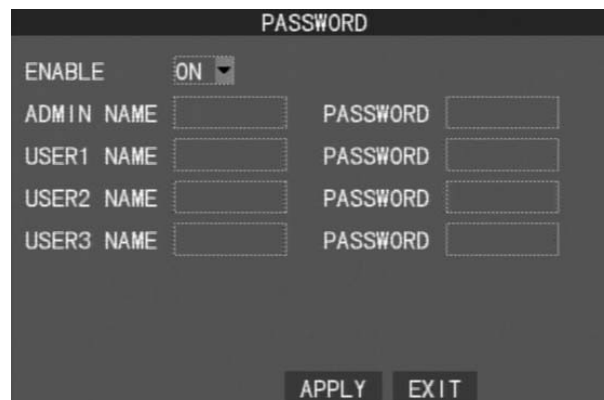
TIME 18:34:10 TIME FORMAT 24 HOURS

TIME ZONE GMT+08:00

DEFAULT APPLY EXIT

- **System Time Setup**  
Select by using virtual keyboard
- **Data Format Setup**  
Set: YY/MM/DD、MM/DD/YY
- **Time Format Setup**  
Set: 24Hours、12Hours
- **Time Zone Setup**  
Set: GMT-12~GMT+13

## 7.4.3 Password Setup



PASSWORD

ENABLE ON

ADMIN NAME PASSWORD

USER1 NAME PASSWORD

USER2 NAME PASSWORD

USER3 NAME PASSWORD

APPLY EXIT

- **Password Setup**

Enable: On/Off

Administrator account: User name and password can not be left blank, and the password must set more than 4 digits. User account: User name and password can leave as blank.

Set: On

- ◆ **Administrator Account**

Administrator account allows user to access all of functions.

- ◆ **User Account**

User account only allows user to access “Live Viewing Mode”, “Search”, “Info”, “PTZ”, “Manual Record” and “Auto Switching”.

## 7.4.4 Camera Setup



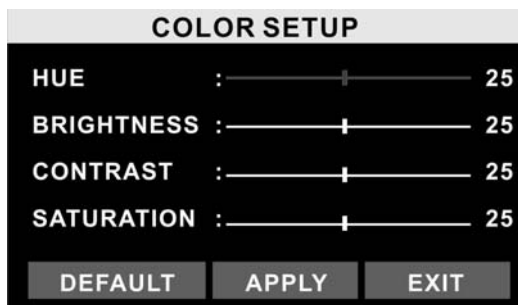
- **Camera Title**

Set the title of camera. Use virtual keyboard to key in.

- **Title Position**

Set the title position. Set: Top Left · Top Right · Bottom Left · Bottom Right and Off.

- **Camera Color Setup**



- ◆ Hue: 0~50

- ◆ Brightness: 0~50

- ◆ Contrast: 0~50

- ◆ Saturation: 0~50

- **Display**

Display the channel, set: On/Off

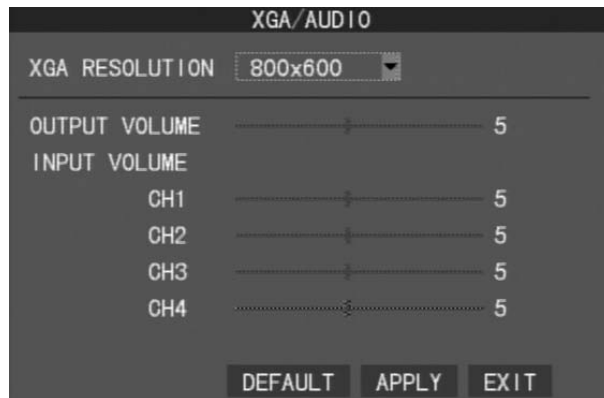
- **Display Time**

Display the time on the channel, set: On/Off.

- **Switching Time**

Set the auto switch duration time, set: 1~10 sec.

## 7.4.5 XGA/Audio Setup



- **XGA Resolution Setup**

Set: 600X480、800X600、1024X768、1280X1024、1440X900

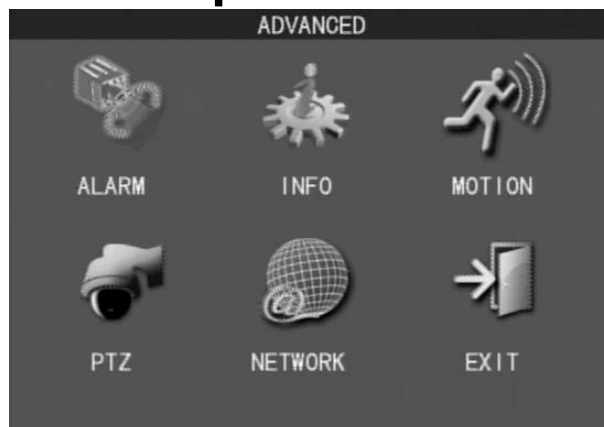
- **Output Volume Setup**

Set: 1~10

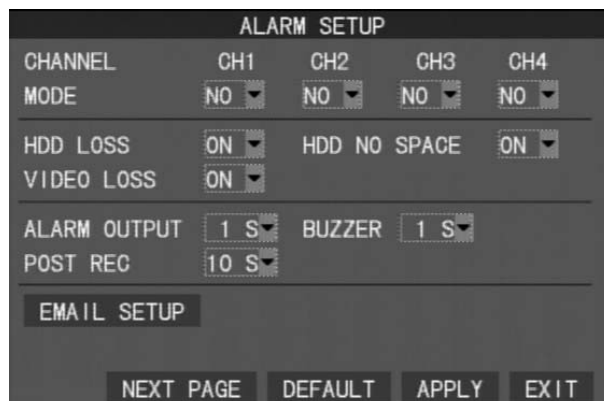
- **Input Volume Setup**

Set: 1~10

## 7.5 Advance Setup



### 7.5.1 Alarm Setup



- **Mode**

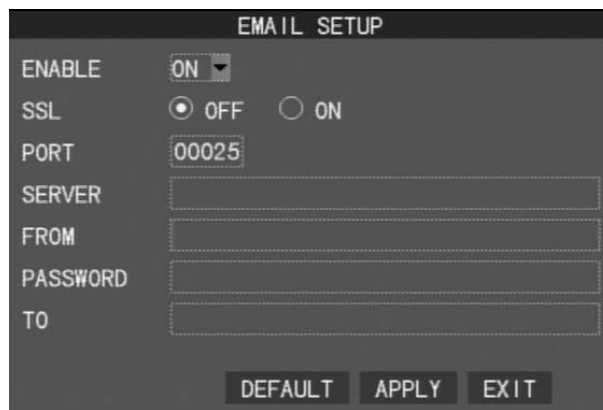
Enable/disable alarm trigger. Set: On/Off.

- **HDD Loss**

Alarm when HDD loss connects. Set: On/Off.

- **HDD NO SPACE**

- Alarm when HDD has not get enough space. Set: On/Off.
- **Video Loss**  
Set: On/Off.
- **Post REC Time**  
The duration of the recording after triggered: 10, 20,...,60 secs or off.
- **Buzzer**  
The duration of the buzzer beeping after triggered: 1~30 sec or off.
- **Alarm Output**  
Alarm out after alarm triggered: 1~30 sec or off.
- **E-MAIL Setup**  
Forward E-mail after alarm triggered. Enable: On/Off.



★ Enable: On

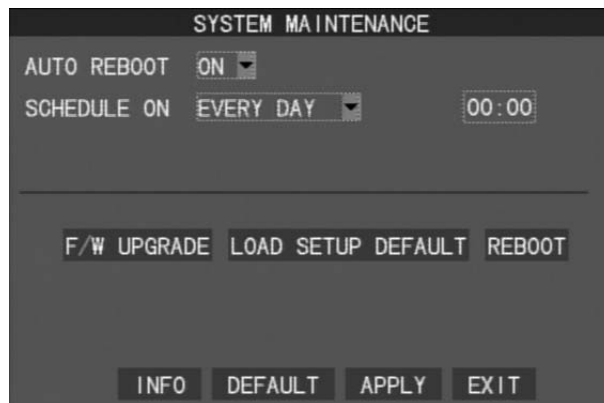
- ◆ **SSL**  
Enable the SSL encryption. Recommend to set on if it is using gmail.
- ◆ **SMTP**  
SMTP port number key in. For example, gmail port 465.
- ◆ **SMTP**  
SMTP server key in. For example, gmail : smtp.gmail.com
- ◆ **From**  
Sender E-mail address key in. For example, gmail: mail2@gmail.com
- ◆ **Password**  
Sender E-mail account password. For example, gmail: \*\*\*\*\*
- ◆ **To**  
Receiver E-mail address key in. For example, gmail: mail2@gmail.com

## 7.5.2 System Information

Provide F/W version 、 MAC address 、 HDD etc. information



- System Maintenance



- ◆ **Auto Reboot : On/Off**

Default: On

- Maintenance Schedule Setup

- ◆ **F/W Upgrade**

Please plug the USB flash memory stick into the USB port on the DVR rear panel after downloaded the new firmware to the USB flash memory stick.

Note: the firmware only can be upgraded by using the USB port. Please don't operate the system or remove the USB flash memory stick while it is in upgrade progressing in order to prevent any serious system error. The system will automatic reboot after upgrade.

- ◆ **Load Setup Default**

Set factory default. Please refer to [12.Default Setting](#).



- ◆ **Reboot the DVR**

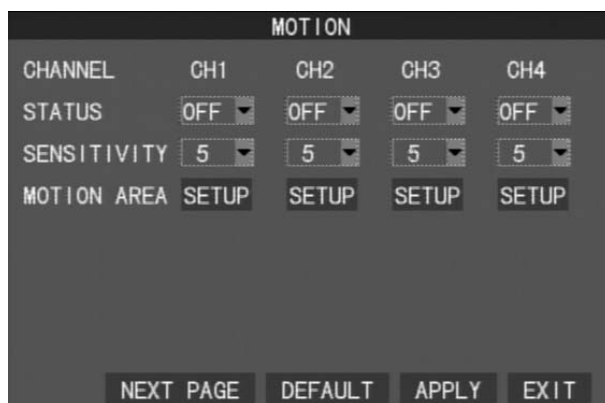
Please click OK to reboot the DVR.



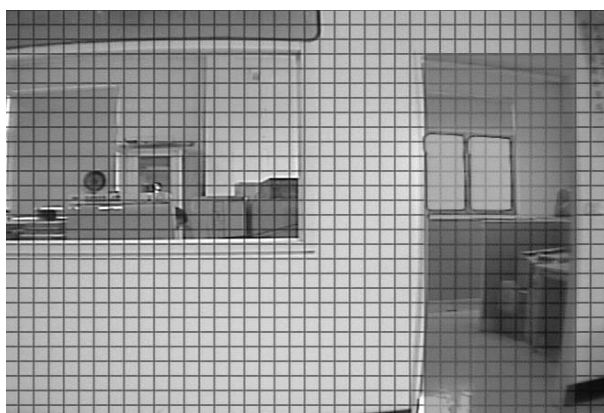
- ◆ **Info**

Return to system information main page.

## 7.5.3 Motion Detection

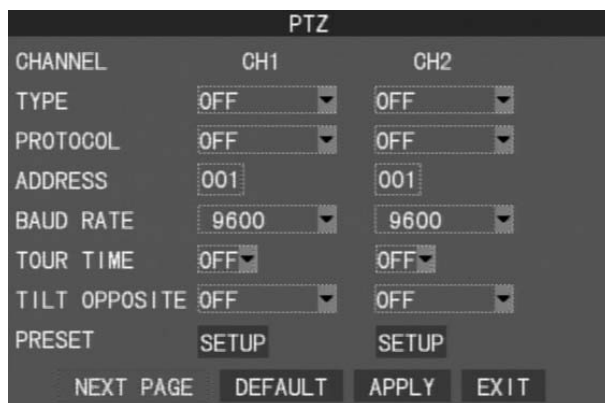


- **Channel Status**  
Enable/disable motion detection for each camera. Set: On/Off.
- **Sensitivity**  
Sensitivity level of motion detection. Set: 1~10. Higher value equal more sensitive.
- **Motion Area Setup**  
Setup by each small square.



Setup Operation	Front Panel & Remote Control	USB Mouse
Area Selection	[Up/Down/Left/Right]	[Moving Cursor]
Set Detection Area: must set on none detection area(Transparent Area)	(1)Move to the area (2)Press Enter to set the area	[Drag by Left Click ]
Clear Detection Area: clear the set detection area: must set on detection area(Green Area)	(1)Move to the area (2)Press Enter to set the area	[Drag by Left Click]
Return to Upper Menu	[MENU]	[Right Click]






## 7.5.4 PTZ Setup



- **Type**  
Speed dome model type. Set: PTC-301、PTC-203ST、FUM 626、JG\_QG988、FUM 622SD、FUM 628 or off. Please select the correct communication protocol if you enable this setting.
- **Protocol**  
Speed dome protocol. Set: PELCO P、PELCO D、MIKAMI or off.
- **Address**  
Speed dome address. Set: 0~255.
- **Baud Rate**  
Speed dome baud rate. Set: 1200、2400、4800、9600、19200.
- **Tour Time**  
Speed dome tour time. Set: 5、10、15、20、25 sec or off.
- **Tilt Opposite**  
Set speed dome image up side down. Set: On/Off.
- **Preset**



Setup Operation	Front Panel & Remote Control	USB Mouse
Select Item	[Up/Down/Left/Right]	[Moving Cursor]
Enter Select Item	[Enter]	[Left Click]
Zoom +,-		
Focus +,-		
Iris +,-		
Adjust Movement Speed		
Set PTZ Upward		
Set PTZ Downward		

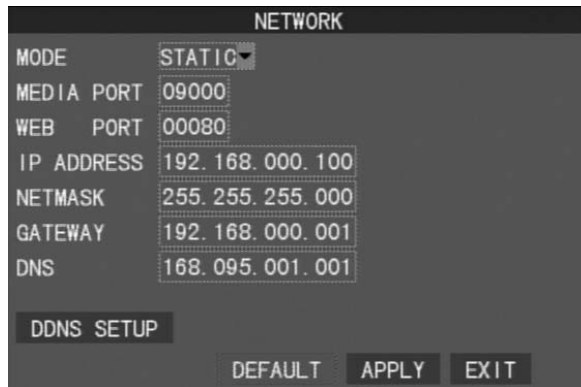
Set PTZ Leftward		
Set PTZ Rightward		
Number Preset Setting		
Save Preset Setting		
Clear Preset Setting		
Clear All Preset Setting		
Return to Upper Menu	[MENU]	[Right Click]

## 7.5.5 Network Setup

- Mode

Set the connection method. Set: Static IP 、 DHCP 、 PPPoE.

- ◆ **Static IP**



- IP Address

Please use the virtual keyboard to key in the IP address.

- NetMask

Please use the virtual keyboard to key in the subnet mask address.

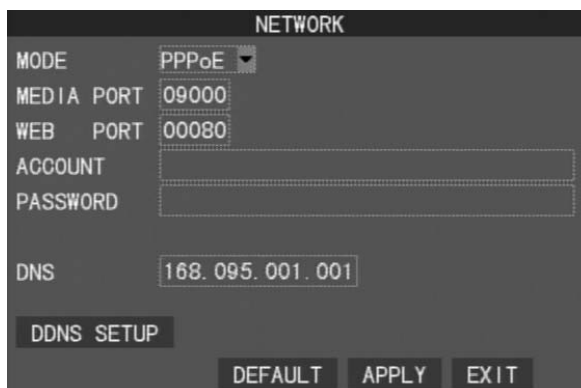
- Gateway

Please use the virtual keyboard to key in the gateway address.

- ◆ **DHCP**

Automatic retrieve the dynamic IP address, subnet mask address and gateway address.

- ◆ **PPPoE**



- PPPoE User Name
  - PPPoE Password
- **Media Port**  
Please use the virtual keyboard to key in the media port.
- **Web Port**  
Please use the virtual keyboard to key in the web port.
- **DNS**  
Please use the virtual keyboard to key in.
- **DDNS Setup**
  - ◆ **DDNS**  
Enable/disable DDNS. Set: On/Off  
Enable: On

- Server  
DDNS Server. Set: 3322 、 dyndns 、 perfecteyes 、 myq-see 、 cctvdvr
- Host Name
- User Name
- Password

## 8. Other Function

- **User Login**  
After the user created the user account, the system will ask the user to login the system before operate the system or setup.

## 9. Cell Phone Monitoring Operation

1. The mobile phone must support Java Script.
2. Please use the mobile phone to login the URL <http://xxx.xxx.xxx/viewer.jar> (DVR end) to download the program.

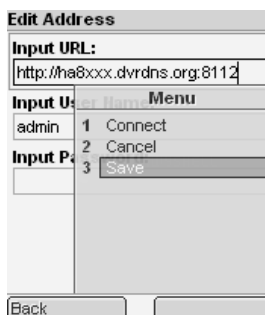
3. Execute the viewer.jar



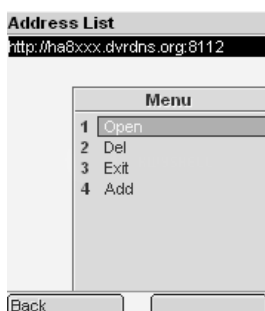
4. Open the menu and select [Add] to add connecting information.



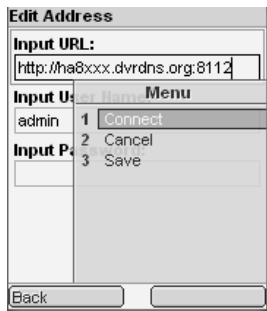
5. Press [Save] to save relating information after key in the URL, user name and password.



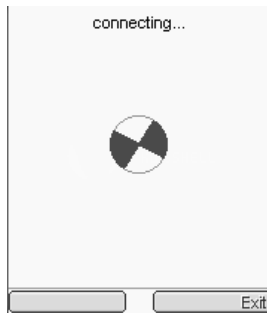
6. Press [Open] to open the login information after select the connecting address.



- Press [Connect] to login the system after the login information is confirmed.



- Connecting.



- Connect success.



Menu	Capture
	Channel[1~8]

- Login fail, please return to the login menu.



# 10. H264Player Operation

- **Preface**

H264Player software allows to playback the backup saving file from the DVR.

- **System Requirement**

Operating System: Windows 2000 · XP · Vista · Windows 7.

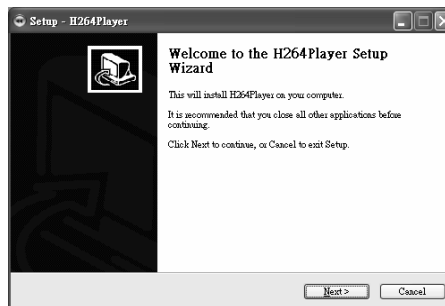
- **Program obtainment and installation**

While user start to backup the file from DVR, the system will automatically copy the H264Player.exe file and recorded data to the backup device for example, an USB flash memory stick.

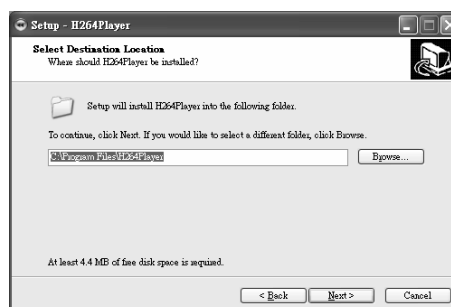
- ◆ **Execute the installation file**



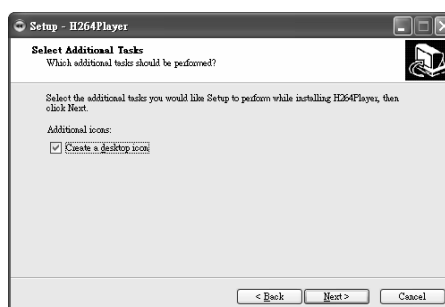
Step 1: Ask for the Installation



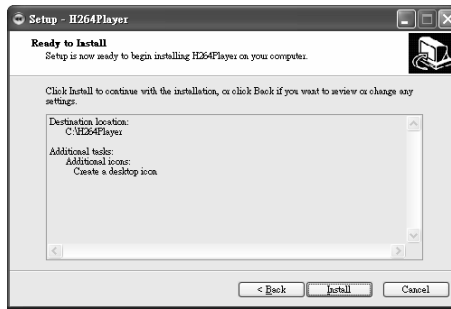
Step 2: Select the Install Location



Step 3: Select Additional Tasks



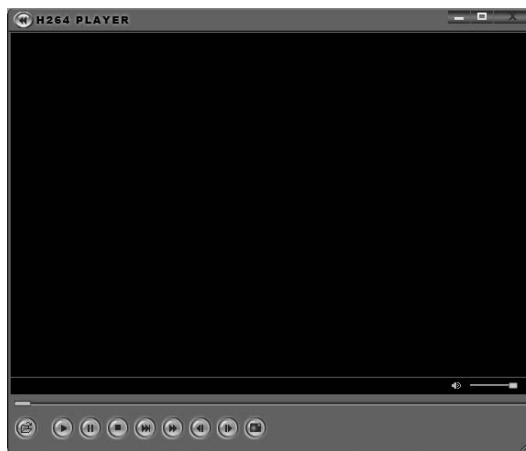
## Step4: Install Confirmation











## Step 5: Installation Complete



## ● User Interface



Open File	Click 
Pause	Click 
Stop	Click 
Play 1x	Click 
Fast Forward	Click 
Slow Forward	Click 
Capture the image (snap shot) to the host computer	Click 
Volume Control	Drag 

Rewind	Click 
Step Forward	Click 
Pop-up Menu	Right click the mouse to open the pop-up menu including Setting 、 Language 、 About H264Player 、 Exit 

## 11. Web Operation

- **Preface**

The Web Application Manager allows the user to remotely monitoring 、 playback 、 backup through the DVR.

- **System Requirement**

Operating System: Windows 2000 、 XP 、 Vista. 、 Windows 7  
Web Browser: Internet Explorer

- **Add-on Installation**

Please use the IE browser to login the IP address of DVR setting. If the user is the first time to login the page, the system will ask the user to download and install the add-on as you can see the page below. Please click the request to install the ActiveX add-on.



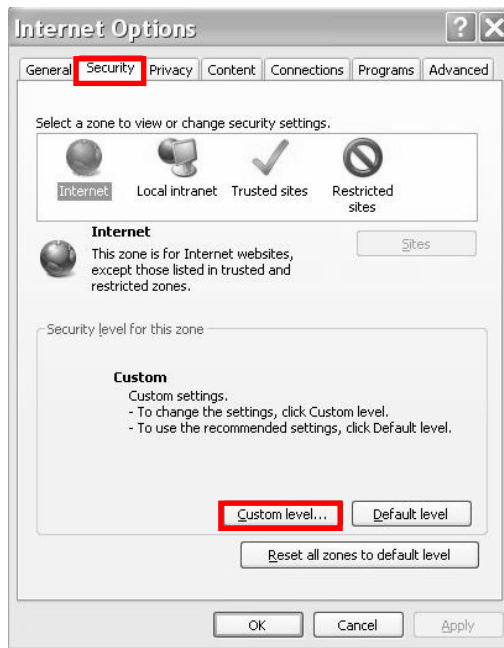
[If your browser does not support the ActiveX to download, please click here...](#)

Installation Diagram:

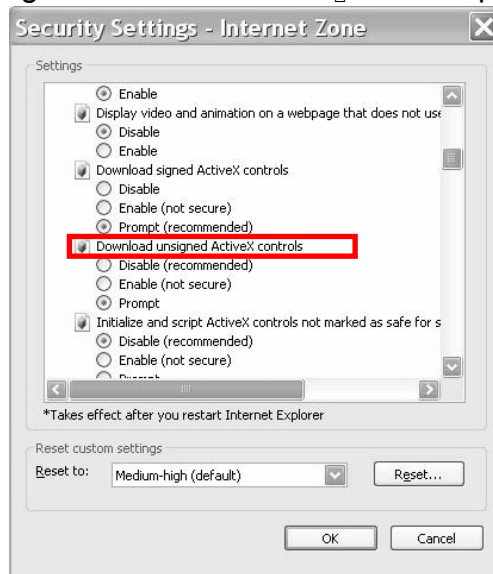


If the system did not pop up the message box as above, please follow the setting as below:

Select 『Tools』 → 『Internet Setting』 → 『Security』 → Custom Level



Select 『Download unsigned ActiveX controls』 → Prompt



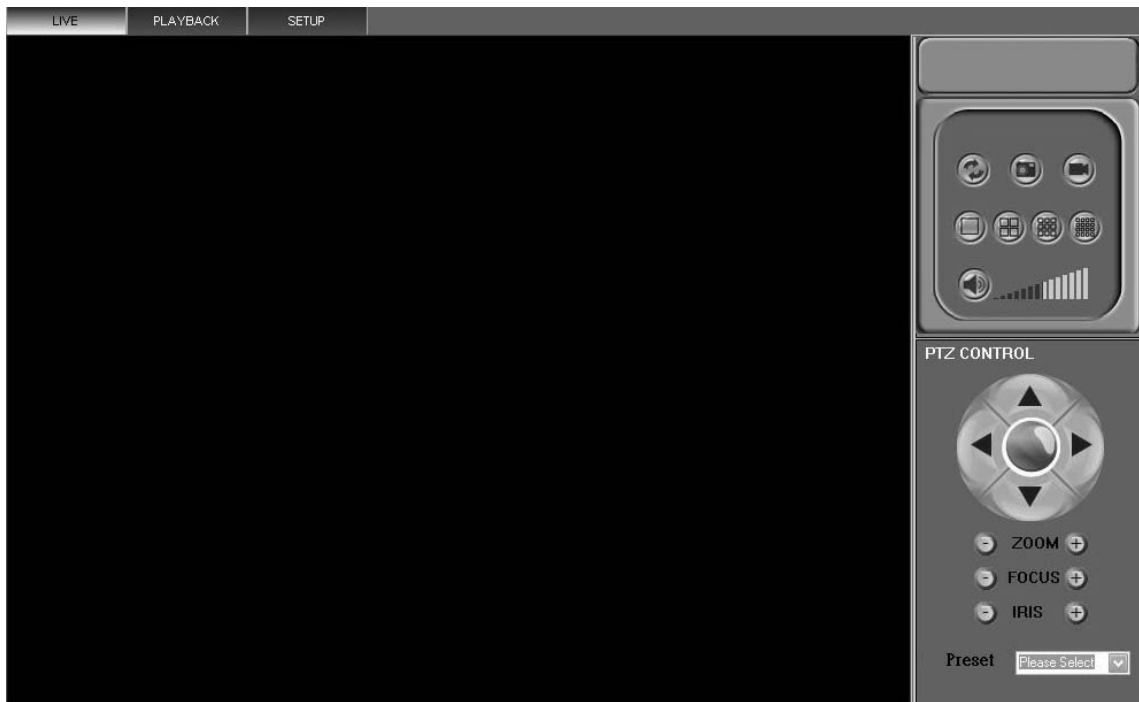
## ● User Interface









### ◆ Login Page

The image shows a 'USER LOGIN' form. It has three input fields: 'USER NAME', 'PASSWORD', and 'NETWORK'. The 'NETWORK' field is a dropdown menu with 'INTERNET' selected. Below the fields are two buttons: 'LOGIN' and 'RESET'.

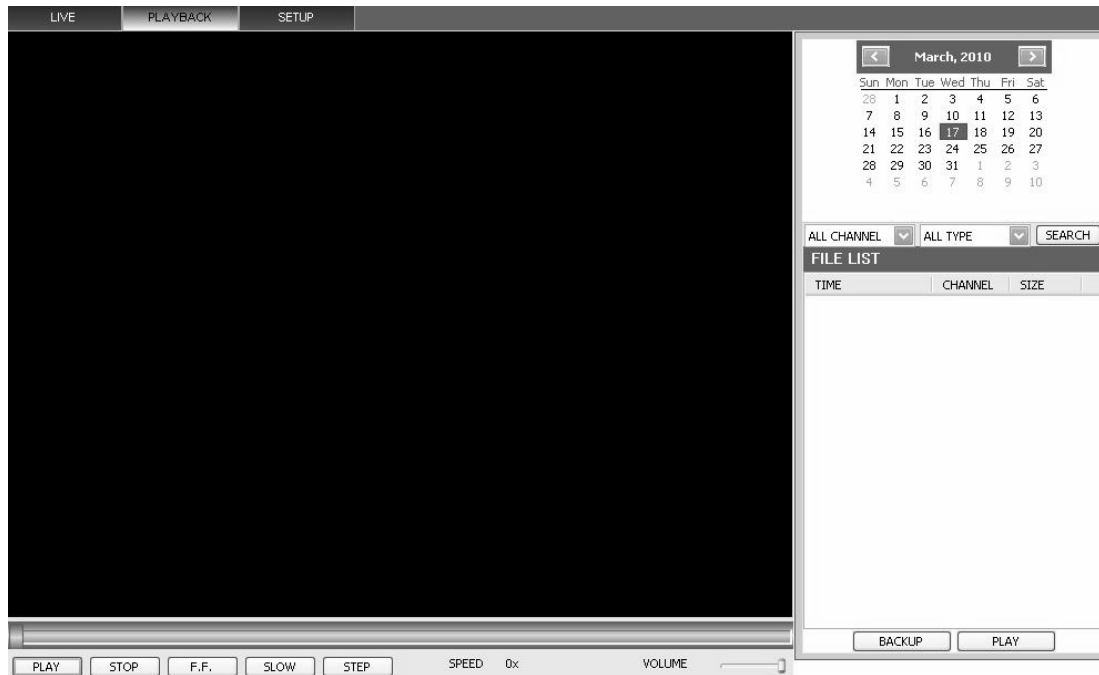
Please login user name and password from the setting of DVR end.

## ◆ Live Monitoring



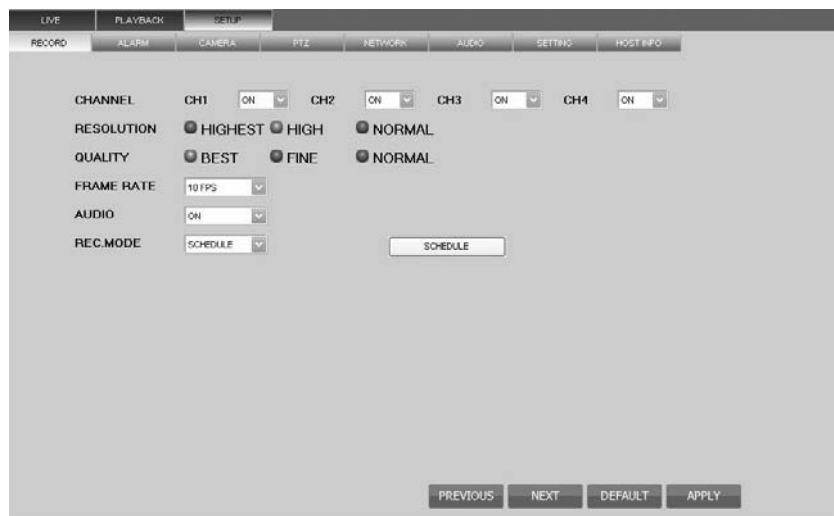
Start/Stop the Live Monitoring	Click 
Record the Footage to Computer	Click  Start/Stop record (saving path: Setup/Information)
Snapshot the Image	Click  to snap shot the image (saving path: Setup/Information)
Enable/Disable Audio	Click  under the live viewing mode to enable the audio, and click  to disable.
Volume Control	Click 
Switch Channel Display	Double click the channel to enter single channel display, double click again to return.
Single/4/8/16 Display	Click 
Speed Dome Preset Point	Preset <input type="text" value="Please Select"/>
PTZ Control	 <p>Please refer to “<u>PTZ</u>” for more information.</p>

## ◆ Playback



Event Search	(1)Select Date (2)Select Channel and Type (2)Click Search
Playback	Click on pop up file list
Fast Forward	Click “Fast Forward” (Speed: 2X、4X、8X、16X)
Slow Rewind	Click “Rewind” (Speed: 1/2、1/4X、1/8X)
Step Forward	Click “Step”
Backup	Click “Backup”, backup path: Setup→ System Setting→ Backup Location

## ◆ Setting



★ Please refer to [7.2 Record Setup](#) for more information

◆ Alarm

CHANNEL	CH1	CH2	CH3	CH4
I/O ALARM	NO	NO	NO	NO
MOTION DETECT				
STATUS	OFF	OFF	OFF	OFF
SENSITIVITY	5	5	5	5
MD AREA	SETUP	SETUP	SETUP	SETUP
VIDEO LOSS	ON			
HDD SPACE	ON			
HDD LOSS	ON			
ALARM MANAGE				
OUTPUT	1 S			
POST REC	10S			
BUZZLE	1 S			

- ★ Please refer to [7.5.1 Alarm Setup](#).
- ★ Please refer to [7.5.3 Motion Detection](#).

◆ Camera Setting

	TITLE	POSITION	COLOR	DISPLAY
CH1	CH1	TOP LEFT	SETUP	ON
CH2	CH2	TOP LEFT	SETUP	ON
CH3	CH3	TOP LEFT	SETUP	ON
CH4	CH4	TOP LEFT	SETUP	ON
DISPLAY TIME	ON			
SWITCHING TIME	[Slider bar]			

- ★ Please refer to [7.4.4 Camera Setup](#)

◆ PTZ

CHANNE	CH1	CH2	CH3	CH4
TYPE	FLM 622SD	OFF	OFF	OFF
PROTOCOL	PELCO-P	OFF	OFF	OFF
ADDRESS	2	1	1	1
BAUD RATE	9600	9600	9600	9600
TOUR TIME	OFF	OFF	OFF	OFF
TILT OPPOSITE	OFF	OFF	OFF	OFF
PRESET	SETTING	SETTING	SETTING	SETTING



★ Please refer to [7.5.4 PTZ Setup](#) for more information

## ◆ Network Setting

LIVE	PLAYBACK	SETUP	RECORD	ALARM	CAMERA	PTZ	NETWORK	AUDIO	SETTING	HOST INFO
TYPE		STATIC		INTERNET		512		Kbits		
IP ADDRESS		192 . 168 . 66 . 30		MEDIA PORT		9000				
NETMASK		255 . 255 . 255 . 0		WEB PORT		80				
PPPOE NAME				PASSWORD						
DNS		168 . 95 . 1 . 1		GATEWAY		192 . 168 . 66 . 254				
DDNS		OFF		USER NAME						
HOST NAME				PASSWORD						
SERVICE		3322								
								DEFAULT		APPLY

★ Please refer to [7.5.5 Network Setup](#) for more information.

## ◆ Audio Setting

LIVE	PLAYBACK	SETUP	RECORD	ALARM	CAMERA	PTZ	NETWORK	AUDIO	SETTING	HOST INFO
OUTPUT		[Slider]								5
INPUT										
CH1		[Slider]								5
CH2		[Slider]								5
CH3		[Slider]								5
CH4		[Slider]								5
								DEFAULT		APPLY

★ Please refer to [7.4.5 XGA/Audio Setup](#) for more information

## ◆ System Setup

INTERNET BANDWIDTH

FILE SAVE PATH

PASSWORD ENABLE

ADMIN ACCOUNT

ADMIN PASSWORD

USER 1  USER2  USER3

PASSWORD 1  PASSWORD2  PASSWORD3

DEFAULT APPLY

Internet: Select the bandwidth.

File Saving Path: Select the location of saving file.

★ Please refer [7.4.3 Password Setup](#) for more information.

## ◆ System Information

HDD STATUS:

AVAILABLE TIME

SOFT VERSION

MAC ADDRESS

OCX Version

DOWNLOAD MANUAL DOWNLOAD DVROCX DOWNLOAD PLAYER

## 12. Default Setting

Item		Default Setting	Item		Default Setting
<b>Record Setup</b>	Channel	On	<b>HDD Setup</b>	Overwrite	Yes
	Resolution	Normal		Pack Time	60 Mins
	Frame Rate	Real-time	<b>Time Setup</b>	Date Format	YY/MM/DD
	Quality	Highest		Time Format	24 Hours
	Audio	Disable		Time Zone	GMT+08:00
	Schedule	Always		Daylight Saving	Off
<b>Camera Setup</b>	Channel 1	CH1	<b>XGA/Audio Setup</b>	XGA Resolution	800X600
	Channel 2	CH2		Output Volume	5
	Channel 3	CH3		Input Volume	5
	Channel 4	CH4	<b>Alarm Setup</b>	Mode	On
	Title Position	Top Left		HDD Loss	On
	Display	On		HDD NO SPACE	On
	Display Time	On		Video Loss	On
	Switching Time	1 sec.		Alarm Output	1 sec.
<b>Camera Color Setup</b>	Hue	25	<b>E-MAIL Setup</b>	Post REC	10 sec.
	Brightness	25		Buzzer	1 sec.
	Contrast	25	<b>System Maintenance</b>	E-MAIL	Off
	Saturation	25		Maintenance Schedule Setup	Off
<b>Motion Detection</b>	Channel Status	Off	<b>PTZ</b>	Type	Off
	Sensitivity	5		Protocol	Off
<b>Network Setup</b>	Mode	Static IP		Address	001
	Media Port	09000		Baud Rate	9600
	Web Port	00080		Tour Time	Off
	IP Address	192.168.000.100	Tilt Opposite	Off	
	NetMask	255.255.255.0			
	Gateway	192.168.000.001			
<b>DDNS Setup</b>	DNS	168.095.001.001			
	DDNS	Off			

### 13. HDD Support List

Suggest to install the Hard Driver listed below to make sure the compatibility.

Brand	Model Number	Capacity
SEAGATE	ST3250310CS	250G
	ST3320410SV	320G
	ST3500312CS	500G
	ST3750528AS	750G
	ST31000424CS	1T
	ST31500541AS	1.5T
	ST32000542AS	2T
HITACHI	HCT721025SLA380	250G
	HCT721032SLA380	320G
	HCP725050GLA380	500G
	HCT721010SLA360	1T
WD	WD3200AVVS	320G
	WD3200AAKS	320G
	WD5000AVVS	500G
	WD10EVVS	1T
	WD2001FASS	2T

## 14. USB Flash Memory Stick Support List

The following recommended flash drives have passed all testing procedures and are safe to a:backup, b:Playback by PC, and c:update firmware.

Brand	Model Number	Capacity
Transcend	Jetflash V20	4G
	Jetflash V20	8G
	Jetflash V30	16G
	Jetflash V20	32G
Adata	PD1	1G
	PD1	4G
	PD1	8G
	C801	16G
	C801	32G
SONY	Microvault	8G
	Microvault	16G
SanDisk	Cruzer Micro	4G
	Cruzer Micro	8G
	Cruzer Micro	16G
Kingston	DTIG2	4G
	DTIG2	8G
	DTIG2	16G