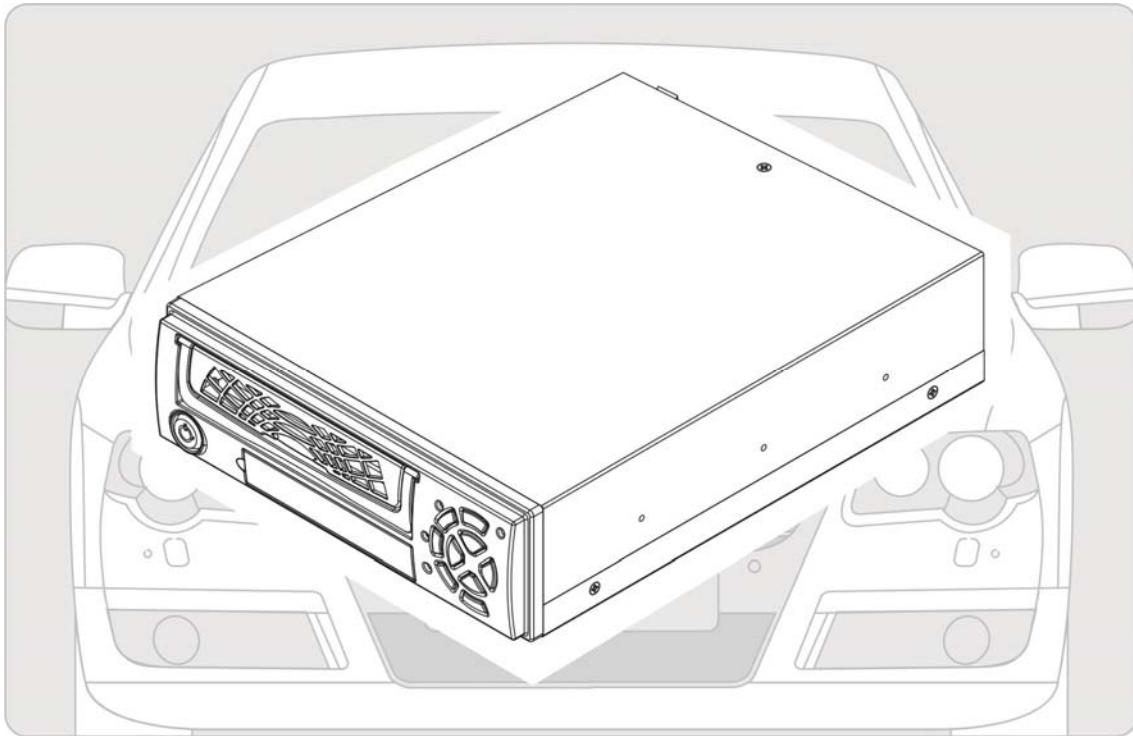


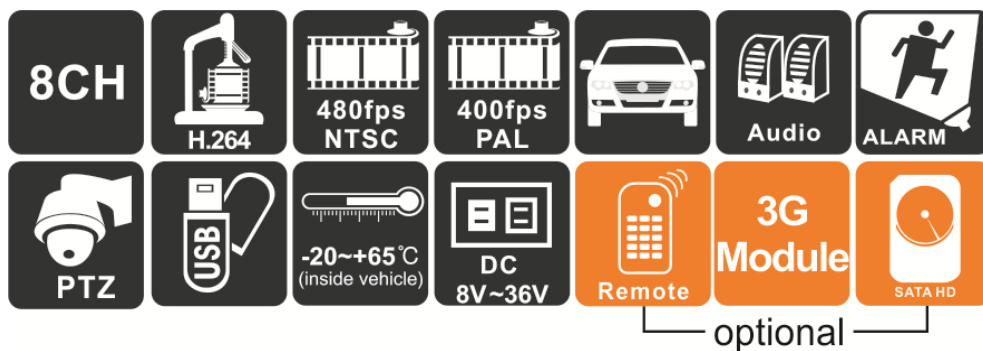
8CH Mobile DVR

H.264 Standalone DVR System



USER MANUAL

2013 JAN V1.1



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1. Features

- Video image output, enable to replay and playback from DVR device.
- Enable recording by multiple formats, including Audio In/Out functions.
- The most user-friendly software player, easy to operate.
- The fully complete and reliable event log to search image easily.
- Completely time and date records can be display on the monitor directly.
- Multiple voltage input design can be used in any type of vehicles.
- Auto recording while power on, without any operation.
- The image files are designed to be recorded in removable 2.5 inch SATA HDD, which is for anti-shock purpose, to completely prevent shocking while driving.
- Four Alarm in, built-in buzzer.
- Upgrade firmware by USB drive directly.
- Recording image and voice while driving, instantly gathering driving info at any time.
- Auto-formatting new HDD when system startup; after formatting, it will start recording.
- IR remote controller, available for multiple languages
- Extend-recording function while power off, this can be setup by the control display interface.

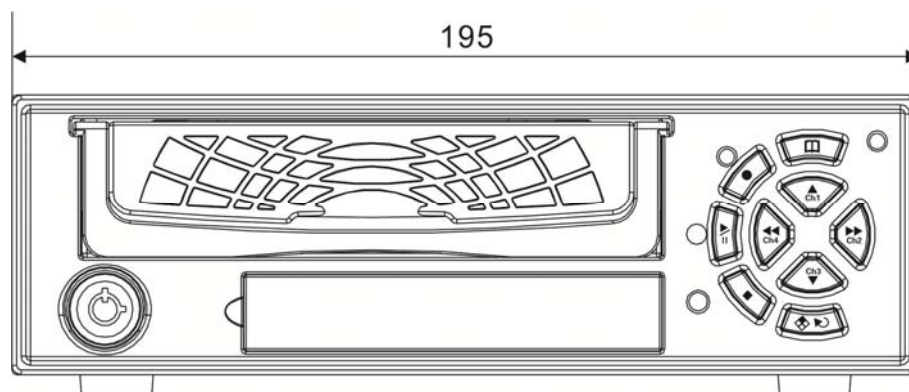
2. Specification

Item		Description	
Video Format		NTSC	PAL
Video Input		8 CH Input (1 st , 2 nd Harness connectors)	
Camera Power Output		Power supply 8 sets, 12V/250Ma (1 st , 2 nd Harness Connectors)	
Video Output		1 CH / 3 rd Harness Connector or AV Terminal	
Audio Input		1 CH / 3 rd Harness Connector or AV Terminal	
Audio Output		1 CH / 3 rd Harness Connector or AV Terminal	
Alarm Input		4 CH Alarm In / 3 rd Harness Connector	
Alarm Output		Buzzer	
Operation Mode		Graphical Interface, Multiple Languages	
Display Mode		Full Screen / Quarter Screen / Nine Split Screen	
Multiple Mode		Recording / Playback / Network	
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
Display Frame		480 fields/s (8x60 fields/s)	400 fields/s (8x50 fields/s)
Recording Frame		Max.30fps @CIF (real time recording) / Channel	Max.25fps @CIF (real time recording) / Channel
Playing Frame		Max. 30fps @CIF (real time playback) / Channel	Max. 25fps @CIF (real time playback) / Channel
Compression Format		H.264 1 (Min.) ~ 5 (Max.)	
Operating System		Embedded Linux	
Hard Disk		Removable SATA 2.5" HDD x 1	
Backup		USB 2.0 Flash Memory Stick, HD tray	
Search	Mode	Time/Date/Event Log	
	Search image	Full Screen	
Key / Indicator		9 / 3	
Motion Detector		Yes	
Signal Loss Detector		Yes	
RS485		2P terminals	
System Monitoring		Automatic recovery recording while power on/off	
Control Method		IR Remote Controller / Mouse	
Power Supply		DC 8V ~ 36V (ACC power-off delay by software settings: Max. 20 minutes) (Using the vehicle 3P female power jack)	
3G Network		Default Maintenance	
Dimension		195mm X 257.1mm X 64.5mm (W X D X H)	
Weight		2.45 KG without HDD	
Operation Temperature		-20℃~+65℃	

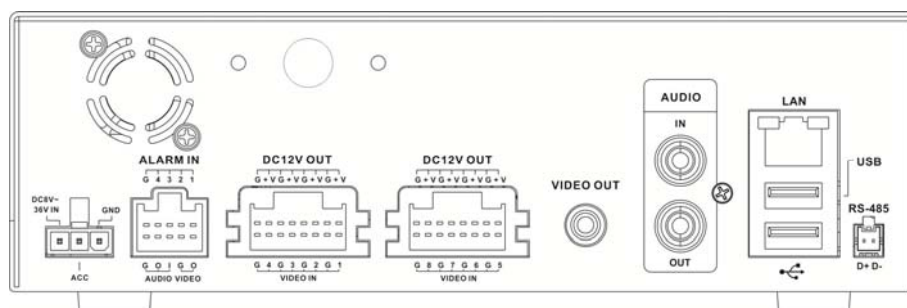
3. Appearance

Unit: mm

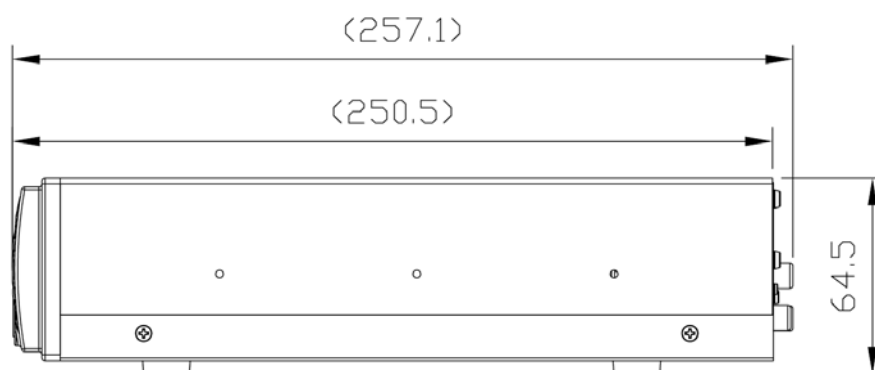
Front View



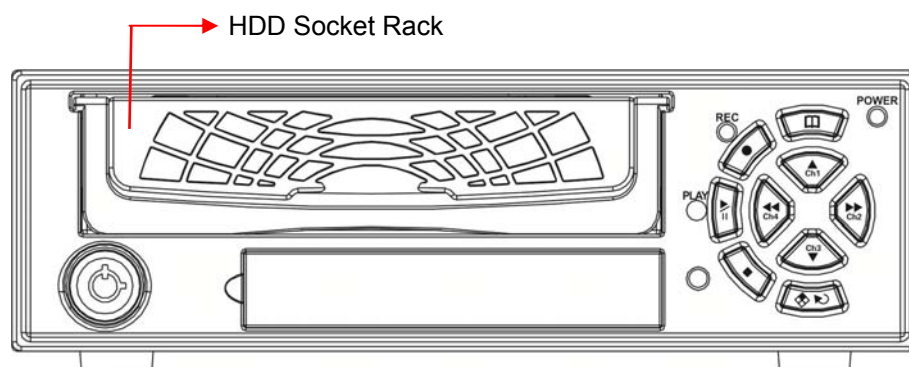
Back View



Side View

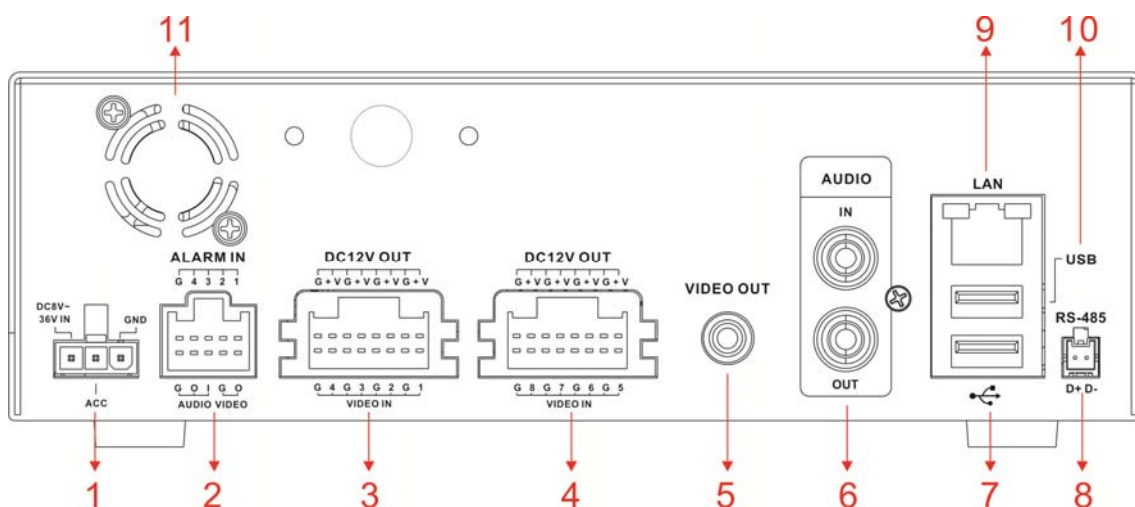


4. Key Description of Front Panel



Key Indicator	Key Definition	
	Main Menu	Startup/Return Menu Option
	Recording	Manually Startup Recording
	Playback	Open Playback Files
	Pause	Pause Playback
	Stop	Stop Playback
	4 / 8 CH Screen Spilt	4 / 8 Screen Spilt Display Mode
	Enter	Function/Option Setting
	CH1 / CH5 Key	CH1/CH5 Full Screen Display
	CH2 / Ch6 Key	CH2/CH6 Full Screen Display
	CH3/CH7 Key	CH3/CH7 Full Screen Display
	CH4/CH8 Key	CH4/CH8 Full Screen Display
POWER	Power Indicator	The LED lights on when power on
REC	REC Indicator	The LED lights on when the DVR is recording
PLAY	Play Indicator	The LED lights on when the DVR is playing

5. Introduction of Back Panel

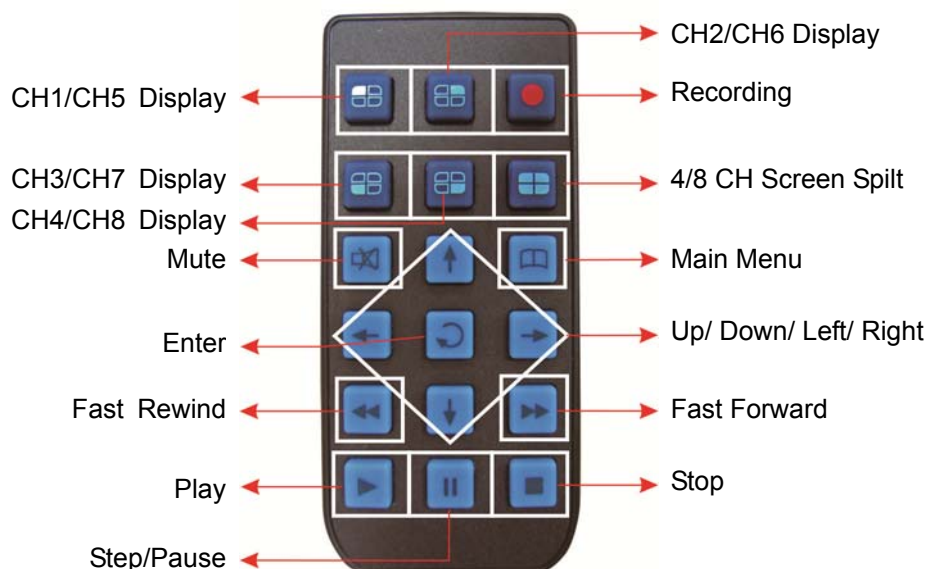


1	Power Input Port																				
2	<p>3rd Harness Connector</p> <div style="display: flex; align-items: center;"> <div style="text-align: center;"> <p>ALARM IN</p> <p>G 4 3 2 1</p> <p>G O I G O AUDIO VIDEO</p> </div> <table border="1"> <tbody> <tr><td>Port 1.</td><td>CH 1 Alarm Input</td></tr> <tr><td>Port 2.</td><td>CH 2 Alarm Input</td></tr> <tr><td>Port 3.</td><td>CH 3 Alarm Input</td></tr> <tr><td>Port 4.</td><td>CH 4 Alarm Input</td></tr> <tr><td>Port 5.</td><td>Grounding</td></tr> <tr><td>Port 6.</td><td>VIDEO-OUT °</td></tr> <tr><td>Port 7.</td><td>VIDEO-GND °</td></tr> <tr><td>Port 8.</td><td>AUDIO-IN °</td></tr> <tr><td>Port 9.</td><td>AUDIO-OUT °</td></tr> <tr><td>Port 10.</td><td>AUDIO-GND °</td></tr> </tbody> </table> </div>	Port 1.	CH 1 Alarm Input	Port 2.	CH 2 Alarm Input	Port 3.	CH 3 Alarm Input	Port 4.	CH 4 Alarm Input	Port 5.	Grounding	Port 6.	VIDEO-OUT °	Port 7.	VIDEO-GND °	Port 8.	AUDIO-IN °	Port 9.	AUDIO-OUT °	Port 10.	AUDIO-GND °
Port 1.	CH 1 Alarm Input																				
Port 2.	CH 2 Alarm Input																				
Port 3.	CH 3 Alarm Input																				
Port 4.	CH 4 Alarm Input																				
Port 5.	Grounding																				
Port 6.	VIDEO-OUT °																				
Port 7.	VIDEO-GND °																				
Port 8.	AUDIO-IN °																				
Port 9.	AUDIO-OUT °																				
Port 10.	AUDIO-GND °																				
3	2 nd Harness connector																				
4	1 st Harness connector																				
5	VIDEO OUT: Video out terminal																				
6	AUDIO: Audio in/out terminal																				
7	USB Port for 3G module input																				
8	RS-485: RS-485 connector for Speed Dome use.																				
9	LAN: Network RJ-45 connector																				
10	USB Port for firmware upgrade and mouse use.																				
11	GPS Port																				
12	Radiator Fan																				

6. System Operation Instruction

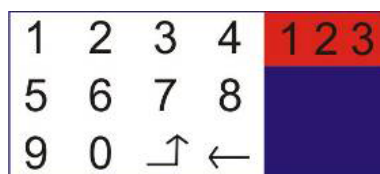
Automobile DVR system can be used in 3 type of operations, including remote controller, key panel and mouse.

- Remote Controller Operation– Key mapping of Remote Controller



- Virtual Keyboard Operation

Key-in text to DVR system via virtual keyboard. The operation is presented as below:



Menu Operation	Panel & Remote Controller	Mouse
Select key from Virtual Keyboard	[Up/Down/Left/Right]	[Moving Cursor]
Select Key of Front Panel	[Enter]	[Left Click]
Exit the Virtual Keyboard	[MENU]	[Left Click] Out of Selecting Area

Key Description of Virtual Keyboard	
←	Delete the previous character
123	Switch to text input
↵	Enter input of character string and exit
Other	Key-in Character

- Main Menu Operation



Menu Operation	Panel & Remote Controller	Mouse
Select Key from Virtual Keyboard	[Up/Down/Left/Right]	[Moving Cursor]
Enter Selecting Options	[Enter]	[Left Click]
Back to Upper Menu	[Menu]	[Right Click]

- Setup Operation



Menu Operation	Front Panel & Remote Control	Mouse
Selecting Operation	[Up/Down/Left/Right]	[Moving Cursor]
Change Default of Selecting Options	[Enter]	[Left Click]
Change Default of Selecting Bar Options	[Left / Right]	[Left Click]
Back to Upper Menu	[Menu]	[Right Click]

7. Display Mode

DVR provide 3 display modes, including Live monitoring, Auto Sequence and PTZ.

● Live Monitoring

Live monitoring while DVR system is power on.

Five figures represent different meaning respectively:





● : Record

M : Motion Triggered

L : Video Loss

A : Alarm Triggered

 : Sound On/Off

Setup Operation	Front Panel & Controller	Mouse
CH 1-8 Single Screen Display	[CH 1 ~ 8]	CH 1~8 [Double Left Click]
CH 4/8 Screen Spilt Display	[CH 4/8 Screen Spilt]	Full Screen [Double Left Click]
Quick Menu	[Menu]	[Right Click]
Playback Mode	[Play]	[Right Click] Quick Menu
Start/Stop Manual Recording	[Recording]	[Right Click] Quick Menu
Start/Stop Auto Switching	None	[Right Click] Quick Menu
Start/Stop Mute	Remote Controller [Mute]	[Left Click] Click 

■ Quick Menu



Menu Operation	Front Panel & Remote Control	Mouse
Selecting Options	[Left / Right]	[Moving Cursor]
Enter Sub-Menu	[Up / Down]	[Moving Cursor]
Execute the option	[Enter]	[Left Click]
Exit Quick Menu	[Menu]	[Left Click] Out of Selecting Area

- PTZ
Before choosing [PTZ] , understand the spec and setup of Speed Dome firstly.
Please make the correct setup firstly at [PTZ Setup].



Setup Operation	Front Panel & Remote Controller	Mouse
Selecting Options	[Left / Right]	[Moving Cursor]
Execute Options	[Enter]	[Left Click]
Zoom +, -		
Focus +, -		
Iris +, -		
Adjust Movement Speed		
PTZ Upward		
PTZ Downward		
PTZ Left		
PTZ Right		
Start/Stop Auto Cruise Tracking		
Back to Live Monitoring	[Menu]	[Right Click]

■ Playback



Setup Operation	Front Panel & Remote Controller	Mouse
Fast Rewind Setting	[Fast Rewind]	[Left Click] ⏮
Fast Forward Setting	[Fast Forward]	[Left Click] ⏭
Step Forward Setting	[Step Forward]	[Left Click] ⏩
Step / Pause	[Step/Pause]	[Left Click] ⏸

Play 1x	[Play]	[Left Click] ▶
Stop	[Stop]	[Left Click] ■
Digital Zoom	None	Drag [Left Click] Z ⁺
CH 1~8 Full Screen Display	[CH 1~8]	CH 1~8 Screen [Double Left Click]
8 Screen Spilt Display	[8 Screen Spilt]	Full Screen [Double Left Click]

- Auto Sequence
 1. Auto sequence by channel, 2, 3 and so on..., 4/8 CH Screen Spilt.
 2. When using mouse to select Quick Menu, auto sequence will be stopped.

8. Playback & Search

Switch to playback & search mode when pressing play button of front panel, remote controller or right click of mouse, it will go to Live monitoring mode.









Menu Options	Front Panel & Remote Controller	Mouse
Search	[Enter]	[Left Click]
Selecting Channel	[Up / Down]	[Moving Cursor]
Selecting Date	[Up/Down/Left/Right]	[Moving Cursor]
Playback	[Enter]	[Left Click]
Back to Upper Menu	[Menu]	[Right Click]

- Ground: w/o recording; Red: Alarm Trigger; Green: normal recording
- Select First half frame of the time and start to playback from 00 min: 00 sec, if select The other half frame of time to play from 30min: 00sec. If no recording data at that time, please select [Recording List] for searching.
- Select playback to choose 8 CH for playing.



● Recording List



Menu Operation	Front Panel & Remote Controller	Mouse
Execute Options	[Enter]	[Left Click]
Selecting Options	[Up/Down/Left/Right]	[Cursor Moving]
Back to Upper Menu	[Menu]	[Right Click]
The First Page		
Previous Page		
Next Page		
The Last Page		
Select all events & remark in this page		
Backup		

- List all events at that day, click the event of recording list and playback directly.
- Event Backup
After ticking backup field in the event list and click on [Backup] to start backup.

9. Main Menu



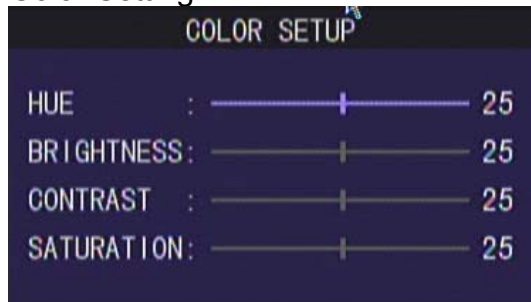
Menu Operation	Panel and remote control	Mouse
Select Item	[arrow keys]	[Move index]
Select Item	[arrow keys]	[Move index]
Select the menu item to enter	[Enter key]	[Left]
Leave the main menu	[Menu key]	[Right]

9.1 Camcorder Settings



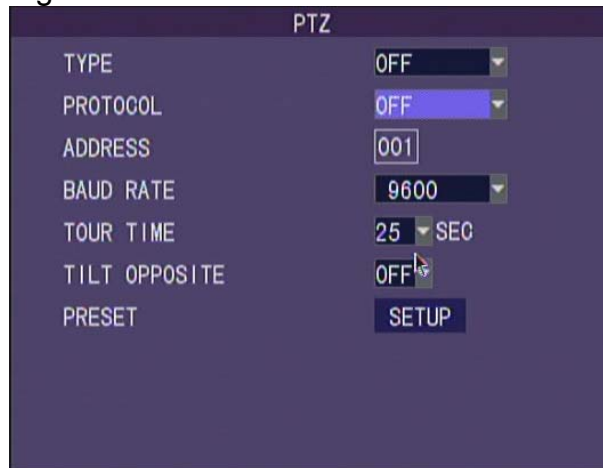
- **Channel**
Select the desired channel. 『Copy button』 is to copy the current channel settings to all other channels.
- **Channel name**
Set the channel name, use the virtual keyboard to input data.
- **Name Location**
Set name display position, settings: "upper left", "lower left", "upper right", "lower right", "off".
- **Display**
Set the channel in live mode or not, settings: on or off.

- Color Setting



- ◆ Color: Setting from 0 to 50.
- ◆ Brightness: Setting from 0 to 50.
- ◆ Contrast: Setting from 0 to 50.
- ◆ Saturation: Setting from 0 to 50.

- PTZ Setting



- ◆ Model

Speed Dome Model, the setting are for PTC-301, PTC-203ST, FUM 626, JG_QG988, FUM 622SD, FUM 628 or off. If this option is enabled, please specify the correct protocol type.

- ◆ Protocol

Speed Dome Protocol, the value of setting PELCO P, PELCO D, MIKAMI or off.

- ◆ Address

Speed Dome Address, the setting from 0 to 255.

- ◆ Baud rate

Speed Dome baud rate, the setting: 1200, 2400, 4800, 9600, 19200.

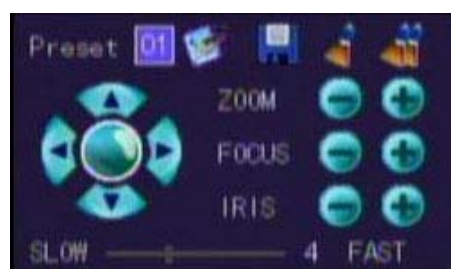
- ◆ Tour time



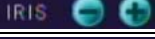










Speed Dome cruise time, the setting: 5, 10, 15, 20, 25 seconds or off.

- ◆ Tilt opposite

Motion control of Speed Dome is upside down, the setting: on or off.

- ◆ Preset



Screen operation	Panel and remote control	Mouse
Select control option	[Left and right buttons]	[Moving index]
Implementation of control options	[Enter key]	[Left key]
Telescopic adjustment +, -		
Focus adjustment +, -		
Aperture adjustment +, -		
Adjust the movement speed		
Adjust the camera upward		
Adjust the camera downward		
Adjust the camera to the left		
Adjust the camera to the right		
Set the default saving		
PTZ camera menu		
Save		
Clear		
Clear all		
Return to the previous menu	[MENU key]	[Right Key]

- Loss buzzer duration
If it is disconnected, the beep time of DVR keeps on.
- Loss alarm duration
If it is disconnected, the duration time of starts Alarm I / O (Relay) .
- Time display
If the setup time will be display in live mode or not, settings: on or off.

9.2 Recording Setup



- Record Enable Setup
On/Off the channel.
Watermark: Insert the words of watermark.

RECORD ENABLE SETUP	
CHANNEL 1	ON
CHANNEL 2	ON
CHANNEL 3	ON
CHANNEL 4	ON
CHANNEL 5	ON
CHANNEL 6	ON
CHANNEL 7	ON
CHANNEL 8	ON
WATERMARK	

- Resolution

NTSC video resolution setting: 720x480, 720x240, 360x240.

PAL video resolution setting: 720x576, 720x288, 360x288.

RESOLUTION SETUP	
CHANNEL 1	360x240
CHANNEL 2	360x240
CHANNEL 3	360x240
CHANNEL 4	360x240
CHANNEL 5	360x240
CHANNEL 6	360x240
CHANNEL 7	360x240
CHANNEL 8	360x240

FRAME RATE SETUP

- Recording frame amount

Recording frame amount of single channel setting: NTSC 0 ~ 30 fps;

PAL 0 ~ 25 fps.

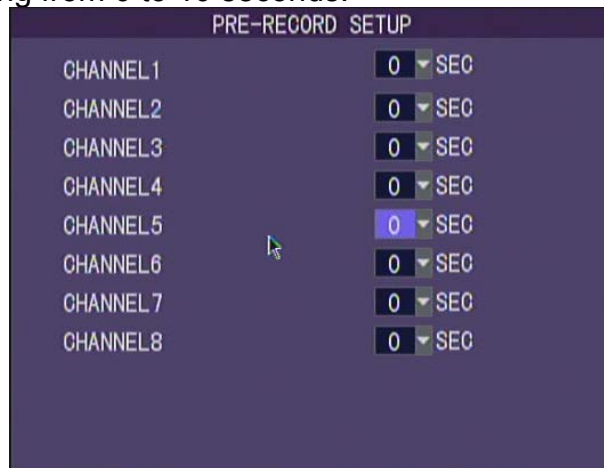
FRAME RATE SETUP	
CHANNEL 1	30
CHANNEL 2	30
CHANNEL 3	30
CHANNEL 4	30
CHANNEL 5	30
CHANNEL 6	30
CHANNEL 7	30
CHANNEL 8	30

RESOLUTION SETUP

- **Quality**
Set recording quality of channel, the setting from 1 to 5; the greater number, the better quality.

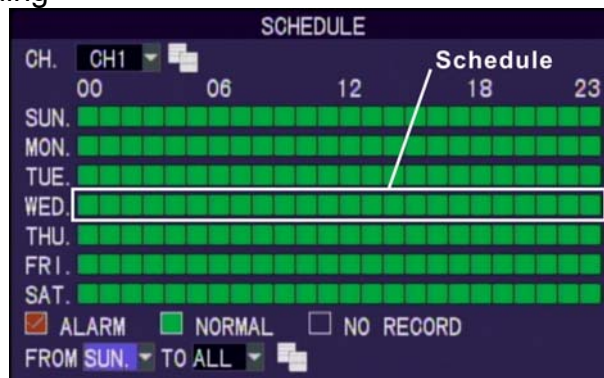


- **Pre-recorded**
Motion detection alarm is triggered in the channel, the pre-recording time, the setting from 0 to 10 seconds.



- **Audio Recording**
Set the audio is being recorded or not.
- **Encoding**
Set the encoding mode: VBR or CBR.
- **Recording Mode**
Set the recording time mode: Permanent recording or Scheduled recording.

◆ **Scheduled recording**



Menu Operation	Panel and remote control	Mouse
Configuration options	[Enter key]	[Left key]
Select channel schedule	[arrow keys]	[mobile wheel]
Select the time schedule	[arrow keys]	[Click or drag]
Back to the top menu	[MENU button]	[Right key]

◆Replication

(1) Select Source (2) Select the object (3) Click the Copy button to complete the copy settings.

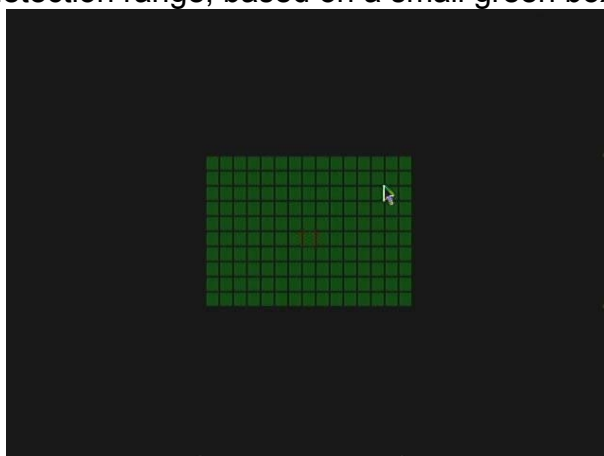
9.3 Sensor Detection

- Channel
Select the channel. 『Copy button』 to copy the current channel settings to all other channels.
- Mode
Alarm mode setting is normally continuous on or off.
- Record Duration
After the channel is triggered to be recording, the setting duration: 10, 20, ..., 60 seconds or off.
- Buzzer Duration
the beep duration time when the channel is being triggered. Setting: 1,5,10,15,20,30 seconds or off.
- Alarm Duration
The duration time of the alarm of the channel is being triggered (continuous beeping during trigger), the setting: 1,5,10,15,20,30 seconds or off.
- Event Popup
The duration time of event is being triggered jump to single-screen when the alarm is triggered, it will automatically jump to the single screen of the channel. The duration time of setting: 1,5,10,15,20,30 seconds or off.

9.4 Motion Detection



- **Motion Detection**
Select the desired channel. 『Copy button』 to copy the current channel settings to all other channels.
- **Channel switch**
Set motion detection of the channel is on or off.
- **Sensitivity**
The sensitivity of motion detection of this channel; setting from 1 to 10. The greater number, the greater sensitivity.
- **Motion Area Setup**
Regional Settings
Set the detection range, based on a small green box as a unit.



Menu Operation	Panel and remote control	Mouse
Selection range	[Arrow key]	[Moving target]
Set detection area: To be non-detection zone (transparent)	(1) mobile location (2) [OK button] to set the range	[Drag to left]
Clear detection area: Be detected as area (green)	(1) mobile location (2) [OK button] to set the range	[Drag to left]
Back to the previous menu	[MENU key]	[Right key]

9.5 Network Settings

NETWORK

MODE: STATIC

MEDIA PORT: 09000

WEB PORT: 00080

COMMAND PORT: 08000

MOBILE PORT: 15961

IP ADDRESS: 192.168.000.100

NETMASK: 255.255.255.000

GATEWAY: 192.168.000.001

PPPOE / 3G

DDNS SETUP E-MAIL SETUP

- Mode
Fixed IP, DHCP.
- Media Port
Video Streaming for the specified port number, default: 9000.
- Web port
Port number specified of the web page, default: 80.
- Command port
Save the setting for the specified port number, default: 8000.
- Mobile Port
Mobile phone port (factory default): 15961.
- IP address
Currently specified IP address.
- Net mask
Currently specified net mask.
- Network Gateway
Currently specified gateway.
- PPPOE/3G
We could choose PPPOE or 3G module setting. For PPPOE setting, you need to enter user name and password. For 3G module, you need to enter the APN and dial-up number.

PPPOE / 3G

MODE: PPPOE

☐ OFF ☒ ON

ACCOUNT: [text box]

PASSWORD: [text box]

PPPOE / 3G

MODE: 3G

☐ OFF ☒ ON

ACCOUNT: [text box]

PASSWORD: [text box]

APN: [text box]

DIAL NUMBER: [text box]

- DDNS Setting

DDNS	
DNS1	168.095.001.001
DNS2	168.095.192.001
DDNS	<input type="radio"/> OFF <input checked="" type="radio"/> ON
SERVER	3322
HOST NAME	
USER NAME	
PASSWORD	

- ◆ DNS1 the first domain name server, default is 168.095.001.001
- ◆ DNS2 the second domain name server, default is 168.095.192.001
- ◆ DDNS
DDNS settings: On or Off.
- ◆ Server
Setting of DNS server is 3322, dyndns, cctvdvr. DDNS server required the Host domain name and DDNS user account and password.

- E-MAIL Settings

E-MAIL SETUP	
E-MAIL	ON
SSL	<input type="radio"/> OFF <input checked="" type="radio"/> ON
PORT	00025
SERVER	
FROM	
PASSWORD	
TO	
INTERVAL	10 SEC






- ◆ E-MAIL
When the alarm is triggered, sending the notification by E-MAIL, settings: On, Off.
- ◆ SSL
Set SSL encryption: On or Off; for example, using gmail needs to be set 『ON』.
- ◆ SMTP port
Enter the SMTP port number. For example, gmail set: 465.
- ◆ SMTP server
Enter the SMTP server. For example, gmail set: smtp.gmail.com.
- ◆ Sender address
Enter the sender address. For example, gmail set: mail1@gmail.com.
- ◆ Sender Password
Enter the sender password.
- ◆ Recipient address
Enter the recipient mail. For example, gmail set: mail2@gmail.com.
- ◆ Transmission interval

When the alarm keeps going on, The interval of the notification letter will be sent by E-MAIL in every: 10, 30, or 60 seconds.

9.6 Log Search

- Log Type
To search the event in certain time. The following options can be chosen: all, alarm, operation, motion detection, sensor detection and video loss.
- Beginning and the end of time
Searching time period of the video (year / month / day); after finishing setting, press “start searching.”

TYPE	INFO	TIME	POINT	RECORD
OP	BOOT	11-06-14	10:36:56	NO
ALARM	VL	11-06-14	10:36:56	NO
ALARM	VL	11-06-14	10:36:56	NO
ALARM	VL	11-06-14	10:36:56	NO
ALARM	VL	11-06-14	10:36:56	NO
ALARM	VL	11-06-14	10:36:56	NO
ALARM	VL	11-06-14	10:36:56	NO
ALARM	VL	11-06-14	10:36:56	NO

Menu Operation	Panel and remote control	Mouse
Executive Options	[Enter key]	[Left key]
Select Options	[arrow keys]	[Move index]
Back to the previous menu	[MENU button]	[Right key]
First Page		
Previous page		
Next page		
Last Page		
Implementation of export action. Export to USB Flash Drives		

★ When selecting 『yes』, it means you can directly click for playback of that event.

9.7 Backup

BACKUP

CHANNEL ALL

TYPE ALL

START DATE 2011/06/14

START TIME 00:00:00

END DATE 2011/06/14

END TIME 23:59:59

SEARCH

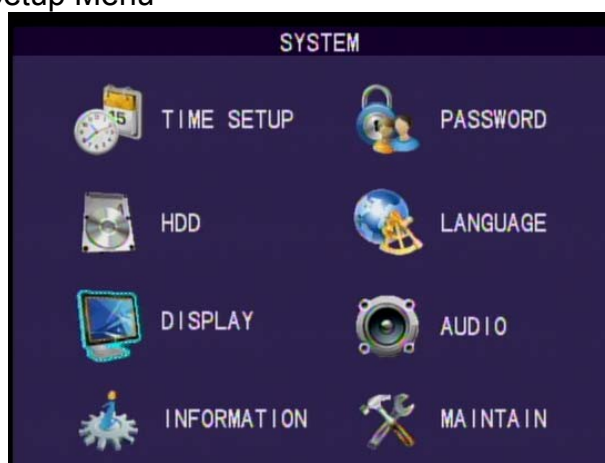
- Channel
Back up options: All or a single channel 1 to 8.
- Type
Recording options: All, regular recording, or alarm recording.
- Start and the end of recording time
Back up options: Date and time period of recording. Click 『 Search backup 』 button to start the search. Video recording search list will be shown within time period of the video files; then back up by “video recording list.”

CH.	TIME	SIZE	TYPE	BAK
1	00:00:00-00:14:58	110.4M	NORMAL	<input type="checkbox"/>
2	00:00:01-00:14:58	110.2M	NORMAL	<input type="checkbox"/>
3	00:00:00-00:14:57	110.1M	NORMAL	<input type="checkbox"/>
4	00:00:00-00:14:58	110.2M	NORMAL	<input type="checkbox"/>
5	00:00:00-00:14:57	109.9M	NORMAL	<input type="checkbox"/>
6	00:00:00-00:14:58	110.0M	NORMAL	<input type="checkbox"/>
7	00:00:00-00:14:58	110.1M	NORMAL	<input type="checkbox"/>
8	00:00:00-00:14:57	110.0M	NORMAL	<input type="checkbox"/>

Navigation icons: Previous, First, Next, Last, Search, Backup. Status: 0B 1/68

9.8 System

System Setup Menu



9.8.1 Time Setup

TIME SETUP

DATE 2010/08/20 TIME 10:54:43

APPLY

DATE FORMAT YY/MM/DD

TIME FORMAT 24 HOURS

TIME ZONE GMT+08:00

NTP ON

SCHEDULE ON EVERY WEEK MON. 00:00

NTP SERVER clock.stdtime.gov.tw

- Date / Time
Using Virtual keyboard to enter
- Date Format
Two kinds of settings YY/MM/DD 、 MM/DD/YY
- Time Format
Settings: 24-hour, 12-hour
- Time Zone
Setup mobile DVR time zone
- NTP setting (Network Time Protocol)

NTP ON

SCHEDULE ON EVERY WEEK MON. 00:00

NTP SERVER clock.stdtime.gov.tw

NTP: On/Off

Set the time schedule: Using Virtual keyboard to enter.

Set the NTP server: Using Virtual keyboard to enter.

9.8.2 Hard disk management

HDD

NO.	STATE	SIZE/FREE	TIME REMAIN	FORMAT
1	VALID	444G/437G	1988 HOUR	

OVERWRITE ON

PACK TIME 15 MIN

HDD ERROR BUZZER ENABLE OFF

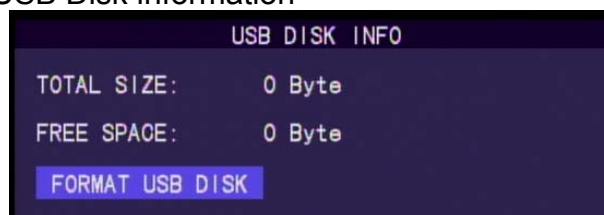
HDD ERROR ALARM ENABLE OFF

USB DISK INFO

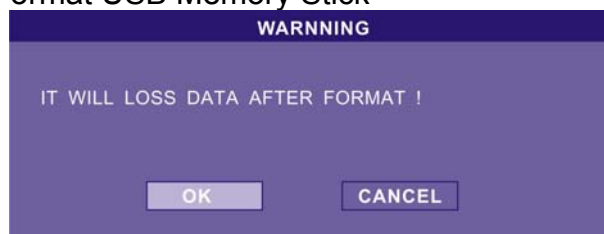
- Format
Format the selected HDD
All information will be lost, Ready to format?



- Auto-overwritten
Enable/Disable Overwritten function, Setting: On/Off.
If Auto-overwritten function is enabled, Setting: 6, 12, 24, 36, 48, and 72 hours; Days: 7, 15, 30, and 60 days.
- Set-up Recording Time Frame
For the regular recording, recording time frame setting: 5 min, 10min, 15min, 20min, 30min, or 60min.
- HDD buzzer setting
When the lack of hard disk space occurred or some error triggered the buzzer; the buzzer setting: On/Off.
- HDD alarm setting
When lack of the hard disk occurred or some errors triggered the alarm; setting: On/Off.
- USB Disk information



Format USB Memory Stick



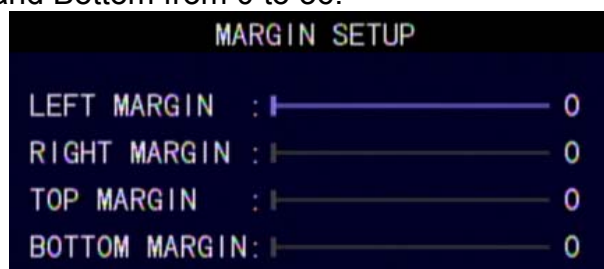
9.8.3 Display setting



- GUI display option
GUI display setting: VIDEO or VGA. Default setting: Video mode
- Video Switching Time
Time setting of VIDEO sequence channel
The time setting of auto-sequence in video mode; for the interval of each sequence setting: 1-99 seconds. (0 sec means Off)
- The setup of Video Sequence Channel
Setting of the video sequence channel is in 9 split screens.

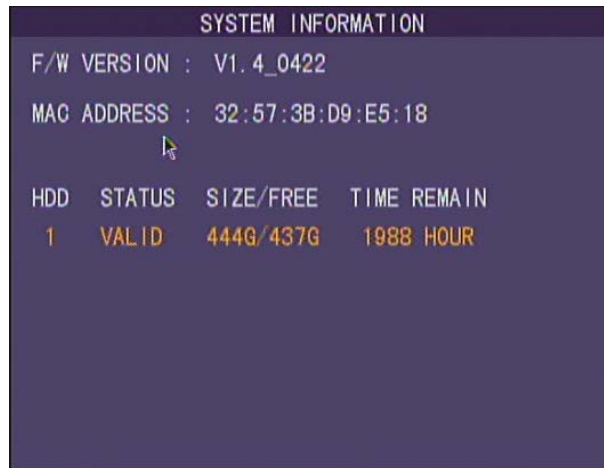


- Video Margin
VIDEO Display Adjustment setup
Set the display adjustment of the screen setting: Left, Right, Top and Bottom from 0 to 36.



9.8.4 System Information

Firmware version, MAC address, HDD status....etc



9.8.5 Password



- Using password
 Password Setup
 Enable User Password: On/Off (Default: off)
 Administrator account/password can not be blank. And at least 4 characters for the password.



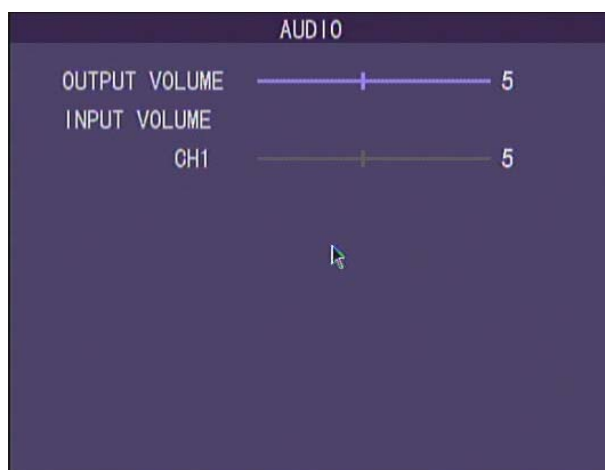
- Administrator account/password
 Administrator account is for allowed user to access all of functions.
- User account/password
 In Administrator account can use "User Right Setting" Function for specific user.

9.8.6 System Language



- System Language
Setting: Traditional Chinese, Simplified Chinese or English.
Auto rebooting after finishing the setting.
- Function Tip
Function tips display under main menu page. Setting: On/Off
(Default: Off).

9.8.7 Audio Setting



- Audio Volume Setting
Channel 1 the volume setting of audio In/Out. Setting: 1-10.
(Default: 5)

9.8.8 System Maintenance




- delay-recording after power off
Set up the time for delay-recording after power off. Setting: on/off
- ◆ set up time for delay-recording

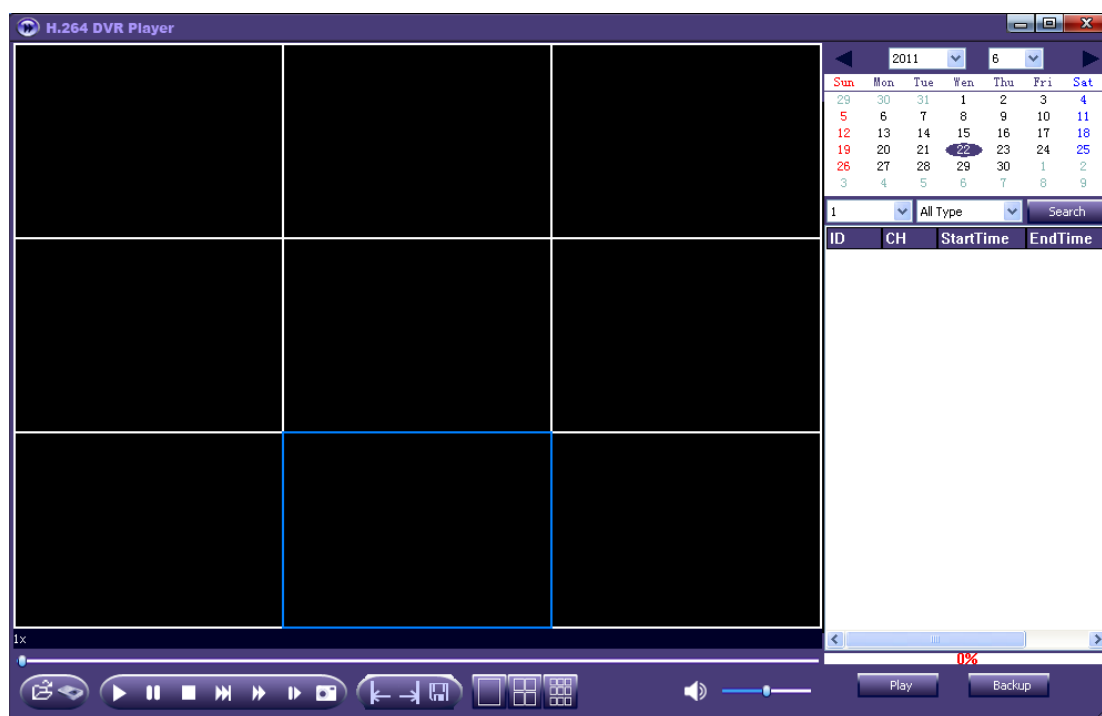














Setup time of delay-recording, setting: 5, 10, 15, and 20 minutes

- F/W Upgrade
Please install update firmware into USB memory stick, and plug in the front panel USB socket of DVR, then click F/W update function.
Note: the update firmware can only be upgraded by using the USB port. Please don't operate the system, remove the USB memory stick, or remove the power during the upgrading process; in order to prevent any serious errors occur. The system will be auto rebooting after upgrading.
- Load Default setup
Restore factory default..
- Reboot the device
Reboot the system now.
- Power Off
System will do auto-separating files. Please turn off the power manually.

10. Player Description


To double-click  H264DVRPlayer.exe to start the player as below:

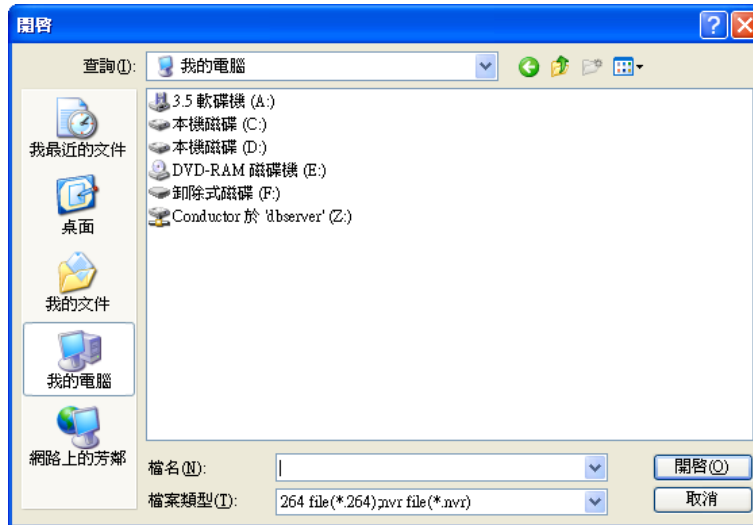


open file	click 
select HDD location	click 
event log search	(1) Date (2) click <input type="text" value="1"/> or <input type="text" value="All Type"/> (3) click 
playback	Click the event on file list directly
setting fast forward speed	click  fast forward
setting rewind speed	click  slow rewind
single frame play	click  next frame or click  previous frame
screen snapshot	Click  for screen snapshot
1/4/9 Split screen display	click 
Volume	click 
play file	click 
backup file	click 

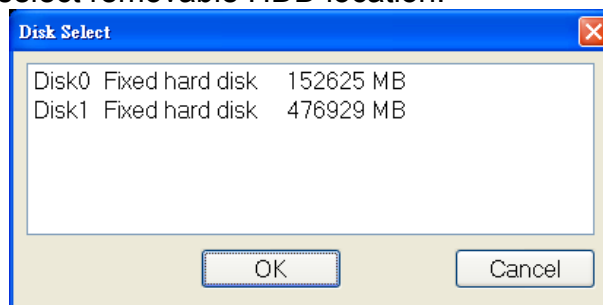
- play backup file and removable HDD data

i.click "open file" to select the file location

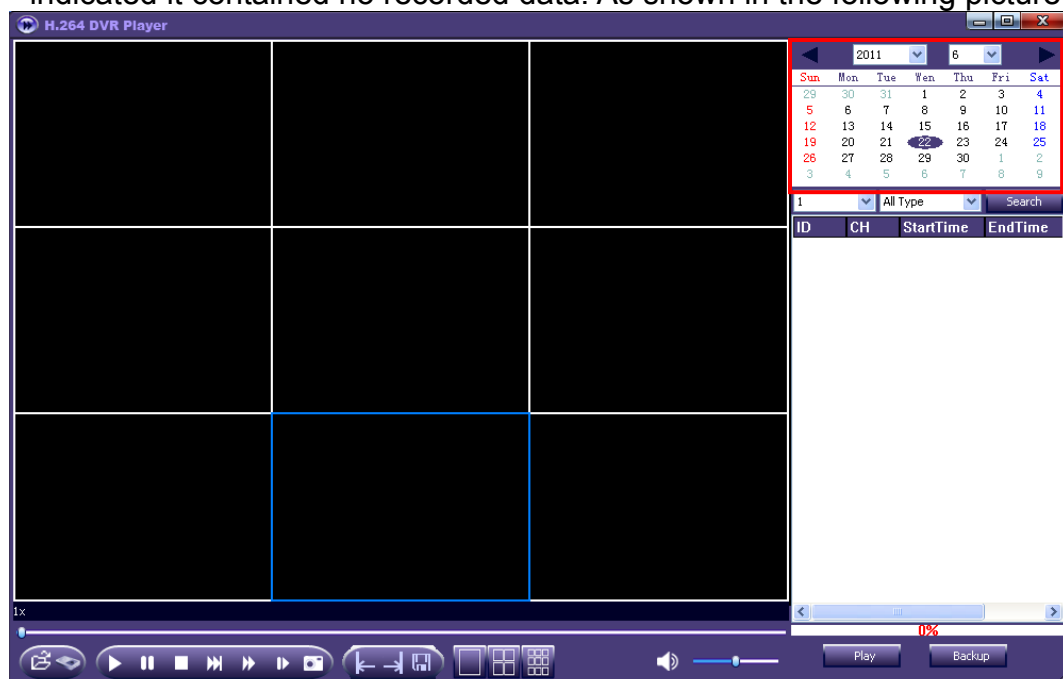
(1) click  to select the folder where the file is located.



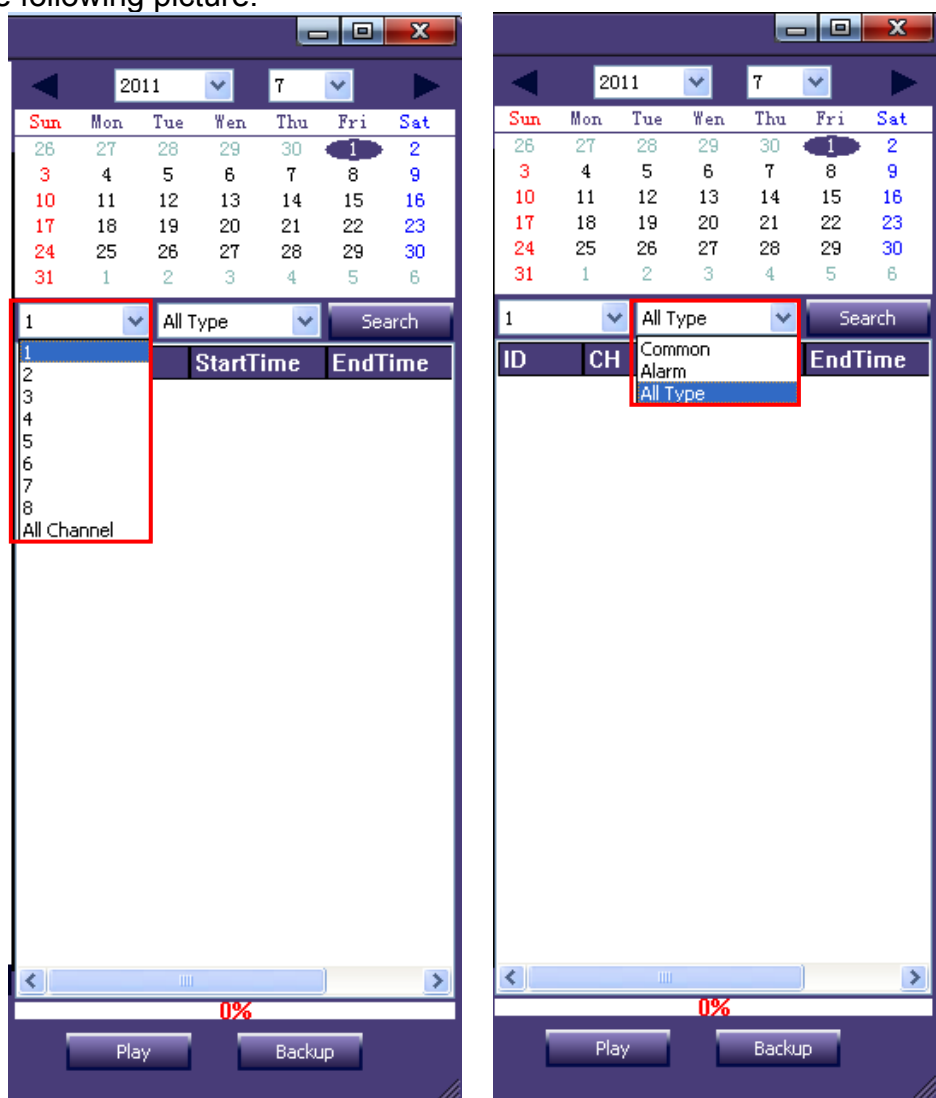
(2) click  to select removable HDD location.



- ii. After selecting the folder or HDD location, Red box display on the date indicates it contained recorded data; it also meant if no red box display indicated it contained no recorded data. As shown in the following picture:

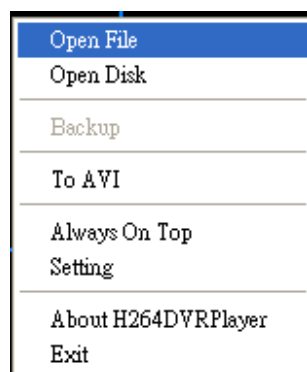


- iii. Select and click the data and file type for single channel playback, as shown in the following picture:



● Player Setting Description:

Click the right button of the mouse to open the setting screen, and then click the selected item to do the setting



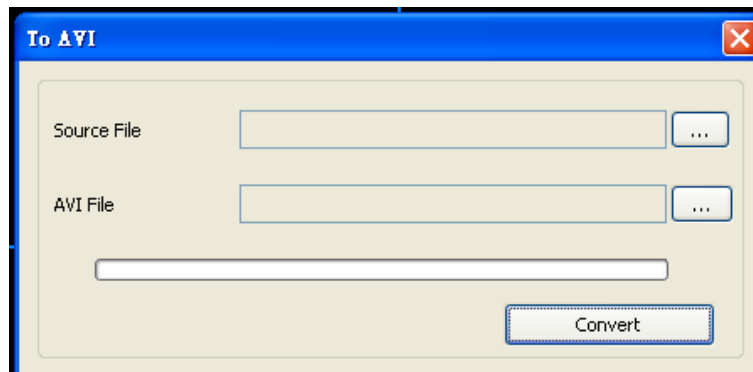
i. Top display

The tick symbol will be shown in front of the “top display” after being selected.



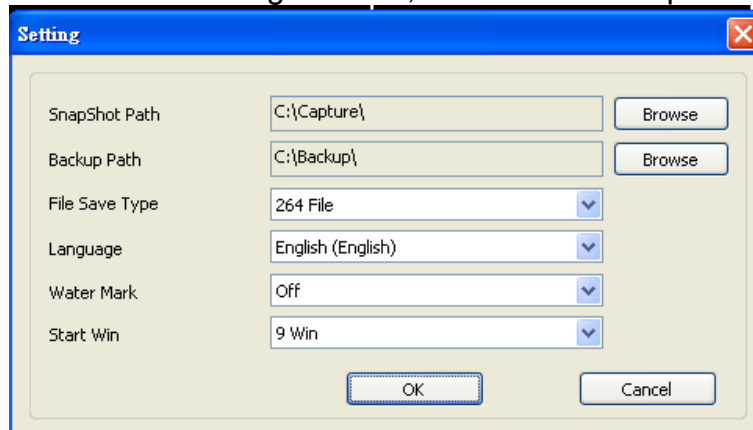
ii. AVI Converting

The dialog will pop up after it is selected for the file data conversion



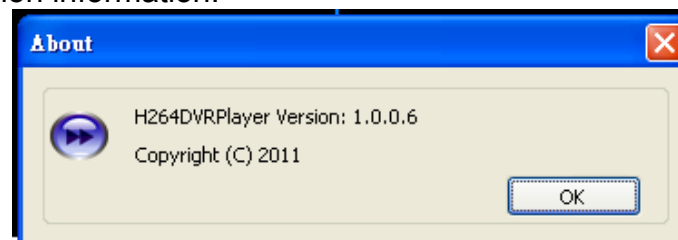
iii. Setup

For Photo & backup file path, file pre-saving type, player interface language, enable/disable watermarking function, the numbers of split screen setting...etc.



iv.H264DVRPlayer

Player version information.



v.Exit

Close the player.