

Mini Stand-Alone 1 Ch / 2 ~ 4 Ch Sequence View & Record Mobile DVR



User Manual (104CF-A)

Please read this user manual completely before operating this DVR system and keep it in a safe place for future reference.

TABLE OF CONTENTS

Table of Contents	1
Introduction	2
Important Safety Information	2
Unpacking Your System	3
Control Panel and Function	5
Installation	7
Before Operation	9
Operation	10
OSD (On Screen Display) Menu Setting Operation Process	10
Key and function for operation	10
OSD Setting Operation	13
Title Setup Operation	13
Date / Time & Daylight Saving Time Setting	14
Video Setup	15
Motion Detect Setting	16
Event List Selection	17
Auto Sequence Setting	18
Record Setup Operation	18
System Setup Operation	21
Peripheral Setting Operation	23
Key Lock Function Setting Operation	24
Network Setting Operation	24
CF/HDD Lock: ON Function Setting	25
Play Back Record Data	26
PTZ Camera Setting and Control	27
PC Player Software Operation	29

INTRODUCTION

*Thank you for purchasing our unique **DVR** system. To ensure that you optimize the full capabilities of this product, please read this user's manual before proceeding. Be sure to keep this manual for future reference in case any problems or questions should arise. We hope you enjoy your new **DVR** system.*

IMPORTANT SAFETY INFORMATION

*When using your **DVR** equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury. Please read the followings before using your equipment:*

1. Read and follow all instructions carefully.
2. Follow all warnings and instructions on the product.
3. Unplug the product from the power outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this product near water.
5. Do not place this product on an unstable cart, stand or table.
6. Do not allow anything to rest on the power cords. Do not place this product in a location where the cords can be stepped on or where someone can trip over them.
7. Do not use this product near an area where there is a potential of gas leaks or near any explosive fumes.
8. Do not place this product near or over a radiator or any other heat source.
9. Use **ONLY** the power cord supplied with the system.
10. Do not overload the wall outlet or power cord where the power cord is installed. This can result in fire or electric shock.
11. This equipment is to be opened by **ONLY** a qualified serviceperson. There are no user serviceable parts inside. Opening this equipment may expose you to dangerous voltage and other risks. Incorrect re-assembly of this equipment may result in electric shock.
12. Avoid spilling liquid on this equipment and do not insert any objects through the ventilation slots.

UNPACKING YOUR SYSTEM

Your DVR system will include the followings:

1 x Mini DVR	
1 x DC connector	
1 x Key on/Key start cord	
2 x Cover for Key on/Key start wire	
1 x DC power cord	
2 x Fuse	
1 x RCA A/V connector	
1 x Sensor control wire	
1 x A/V Input connector	
1 x IR Remote Control	
1 x User's Manual	

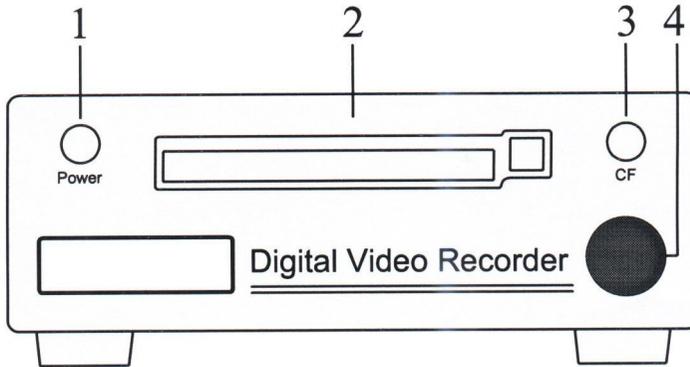
Optional Accessories

◆ CF Card	
◆ Car rear view camera	
◆ Car rear view camera	
◆ CCD color dome camera	
◆ Shatter proof CCD color dome camera	
◆ Motion detector (Sensor)	
◆ Alarm	

CONTROL PANEL AND FUNCTION

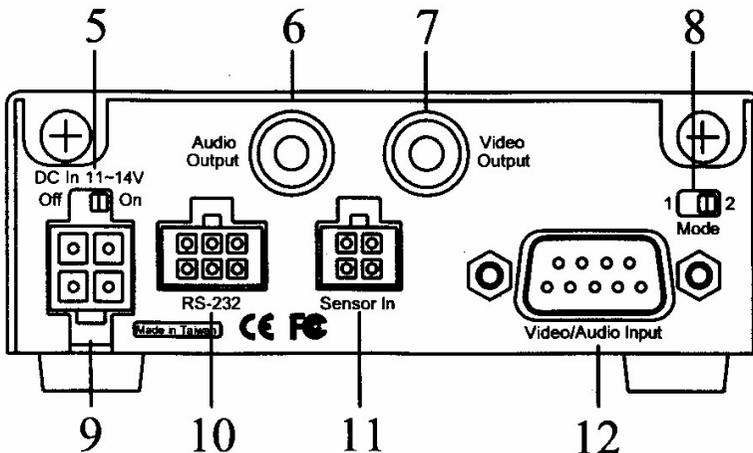
Front Panel

1. Power indicator
2. CF card slot
3. CF card indicator
4. IR remote control receiver

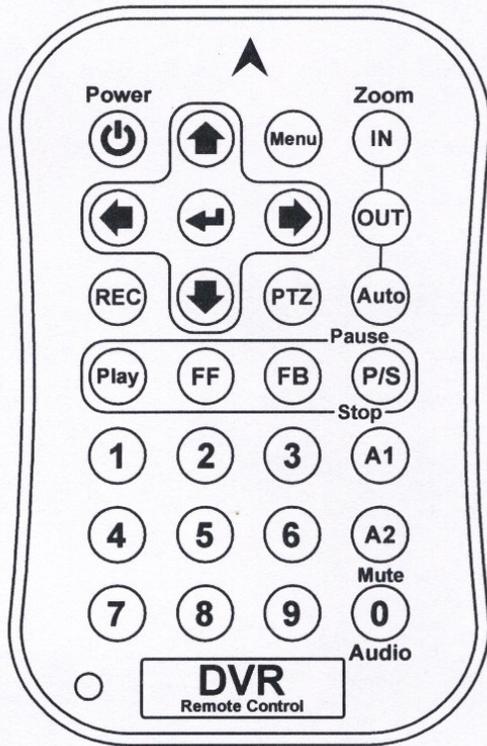


Rear Panel

5. Power On/Off switch
6. Audio output terminal
7. Video output socket
8. Mode 1/Mode 2 select switch
9. DC input socket
10. RS-232 signal to DVR socket
11. Sensor input socket
12. Video/Audio input socket



IR Remote Control

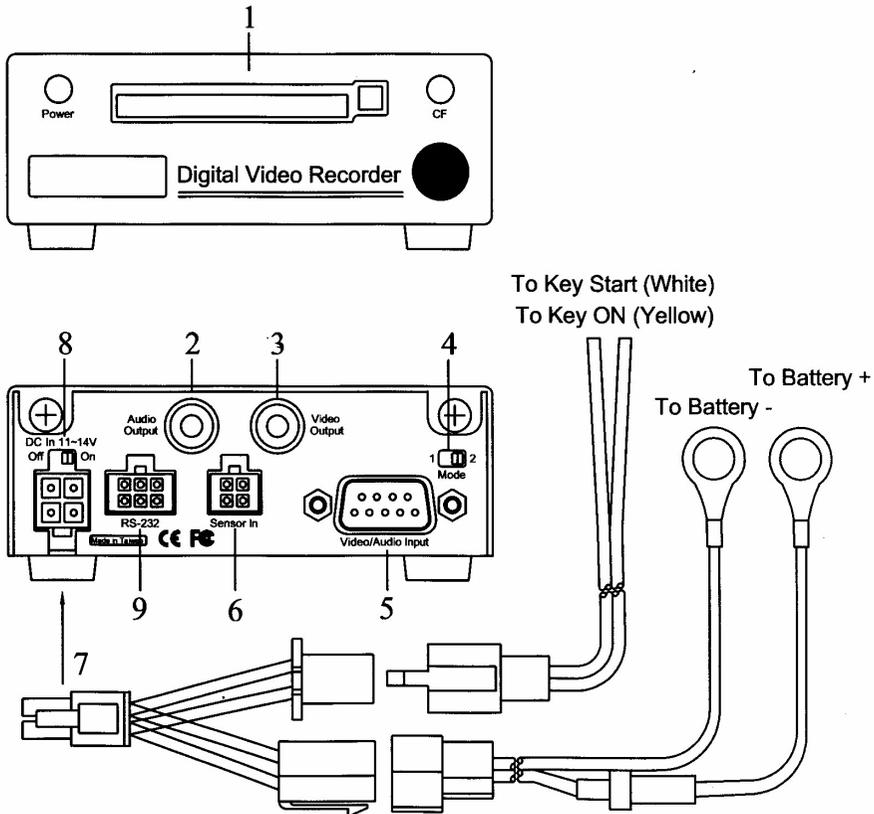


1. Power On/Off button
2. Menu button
3. Record button
4. PTZ button
5. Up key (Camera 1)
6. Down key (Camera 3)
7. Left key (Camera 2)
8. Right key (Camera 4)
9. Select button
10. Play button
11. Fast forward button
12. Fast back button
13. Pause button
14. Audio 1 button
15. Audio 2 button
16. Audio Mute button
17. Zoom in button
18. Zoom out button
19. PTZ auto button
20. Number keys

Installation

DVR Installation

Please refer to the installation process as the following drawing:



1. CF Card installation

Insert the CF card into the CF card slot of the DVR.

2. Audio output connection

Connect audio output to TV audio input.

3. Video connection

Connect the monitor to Video output terminal.

4. Mode 1 or Mode 2 select switch

Mode 1: 2~4 channels sequencing view & record.

Mode 2: One channel real time recording. Under Mode 2, it can also work on switching record in case the detecting wire is connected.

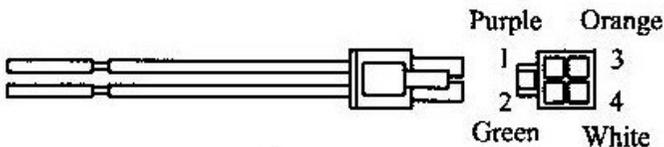
Switch the select switch to mode 1 or mode 2 to meet your request.

5. System Camera installation

Connect one end of camera cable to Camera and the other end to Video Input terminal at the back of DVR. Please number the camera by yourself for convenient operation.

6. Detecting wire (Sensor control) connection

If you select **Mode 2**, you can also connect the detecting wire for switching record. Connect the detecting wire to this socket. Please refer to the following drawing as for the connecting.



- 6-1) It's no need to connect detecting wire to 1 because it has been used for CH1 already.
- 6-2) When connect detecting wire to 2 or 3, the DVR will switch to CH2 or CH3 for recording as soon as motion is detected.
- 6-3) When connect detecting wire to 4, it will record 4 channels in sequence as panic function.

7. Power connection

- a. Plug the power cord to Battery (e.g. car battery).
- b. Plug the wire for Key [On] and key [Start] wire connection
 - Connect the key on connecting wire (yellow) to car key "ON" position.
 - Connect the key start wire (white) to car key "Start" position.

The built-in power supply with delay circuit board designed for DVR to delay switch-on time for 10 seconds. With the delay, it can avoid DVR working on unstable voltage.

Switch on/off voltage: 10.5 ~10.8V

Delay switch-on time while starting the car: 10 seconds

Note: The DVR switch-off delay function can work normally only when key on/key start wire is correctly connecting.

8. Turn on and use the DVR system

Switch the power switch to "ON". The DVR is ready to be used.

9. RS-232 signal connection (optional)

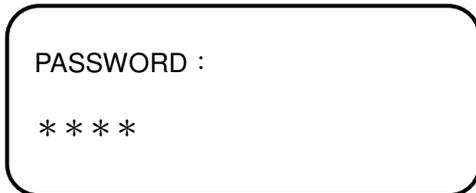
This socket can connect auto dialer box, tracking box or LAN box for future requirement.

BEFORE OPERATION

- (1) The system will auto detecting the hardware and enter **Recording** mode while hardware is in normal condition.
- (2) The system will show [UNKNOW HDD] then enter [Format Menu] within 3 seconds when first time start the system or CF card is changed. Please select [FORMAT HDD YES] to format CF card. The system will auto enter record mode after format CF card. (Or, enter the Main menu “record setup” and select HDD information to format the CF card.)
- (3) If the system not setting time yet, will auto enter to time setting screen, please press [MENU](ESC) key to exit after setting time.
- (4) If [NO HD] signal show on screen, please turn off the power then check CF card is exist or not. If yes, please turn the power on again.
- (5) If screen show [NO VIDEO], please check video input connector whether is connecting with camera correctly.
- (6) Suggest turn on camera power before turn the system power on.

OPERATION

The system is preset [KEY LOCK] mode [OFF], when the system setting [KEY LOCK] mode [ON], the screen will show below message:



Please key in the security code by remote control number keys to enter the OSD manual for setting.

OSD (On Screen Display) Menu Setting Operation Process

1. Press [] to enter menu selection mode.
2. Press up [] key or down [] key to select the item for setting.
3. Press [] key to enter sub menu to select item for setting.
4. Press Left [] key or Right [] key to select the value for your setting.
5. Press [] key to exist for other setting or Press [] key and keep more than 2 seconds to exit OSD menu setting function

Key and Function for Operation

1、MENU operation key

Key	Operation	Remarks
MENU	Enter OSD menu	1. Press [] key to enter OSD menu. 2. Press direction key to select. 3. Press [] key to enter sub menu. 4. Press [] to exit while end of setting.
 (Up Key)	Go Up	

 (Down Key)	Go Down	
 (Left Key)	Go Left	
 (Right Key)	Go Right	
 (Enter Key)	ENTER next page	

2 · Play operation key

Key	Operation	Remarks
PLAY	PLAY	
FF	FAST FORWARD	
FB	FAST BACK	
P/S	PAUSE / STOP	

3 · REC operation key

Key	Operation	Remarks
REC	RECORD	

4 · PTZ control key operation

Key	Operation	Remarks
PTZ	PTZ	1. Press  key to enter the function. 2. Press function key to operate. 3. Press direction to select the area.
IN	ZOOM IN	
OUT	ZOOM OUT	
	Go Up	
	Go Down	
	Go Left	
	Go Right	

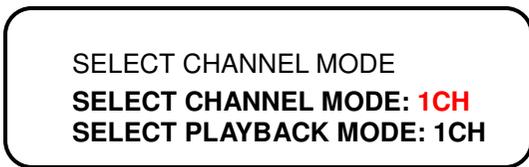
5 · Display operation key

Key	Operation	Remarks
AUTO	Auto sequence view	

The DVR system is preset to work in Mode 2. If you want to change it to Mode 1, please switch the select switch to Mode 1. (The select switch is at the back of DVR.)

When the DVR system is power ON and on record mode,

1. Press **FF** key two times, **FB** key two times and  (Select) key two times. Then, the following screen will be showed. If there are 2 channels or 1 channel selected, then the other cameras setting under MENU will not function.

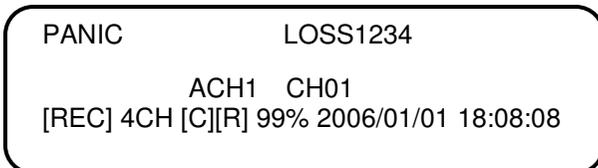


2. Use  /  key to select 4CH/2CH/1CH for setting.

3. Press  key to exit.

- a. Select Channel Mode: 4CH/2CH/1CH for select
- b. Select Playback Mode: 4CH/1CH for select

Screen Instruction:



- [PANIC]: Press panic button and recording the event
- [LOSS1234]: Camera loss will be found on the 1234.
- [ACH1]: Audio in channel 1
- [ACH2]: Audio in channel 2

- [REC]: Recording
- [LIV]: View mode (Without recording)
- [BOT]: The DVR system is booting.
- [PB]: Playback mode

4CH: 4 channels mode

[C]: Continuous recording

[M]: Motion recording

[A]: Alarm

[R]: Overwriting enabled.

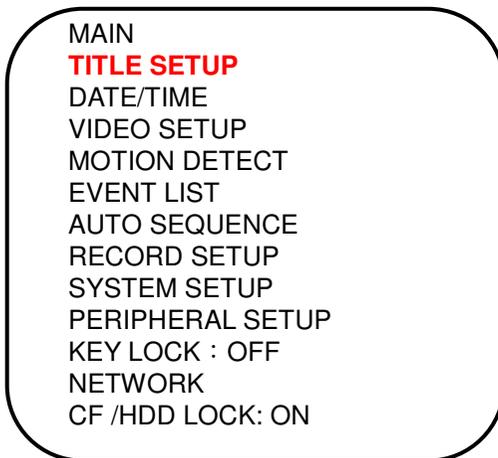
[O]: Overwriting is not allowed.

99%: The percentage of HDD recording space.

OSD Setting Operation

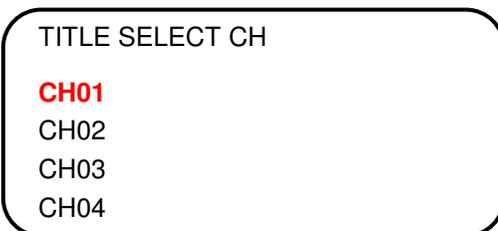
1. Title Setup Operation

A. Press  key to enter menu selection mode.



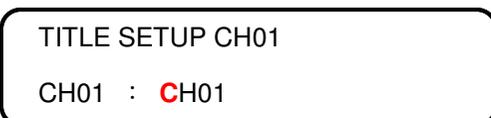
B. Use  /  key to select [TITLE SETUP] setting section.

C. Press  key to enter channel select mode.



D. Use  /  key to select channel going setting title.

E. Press  Key to enter selected channel for title setting.



F. Use  /  key to select alphabet (A~Z) or digital (0~9) for title, maximum 4 alphabet or digits can be setting for one channel title.

G. Press  key to exit for select other channel or press  key and keep more than 2 seconds to exit OSD setting operation.

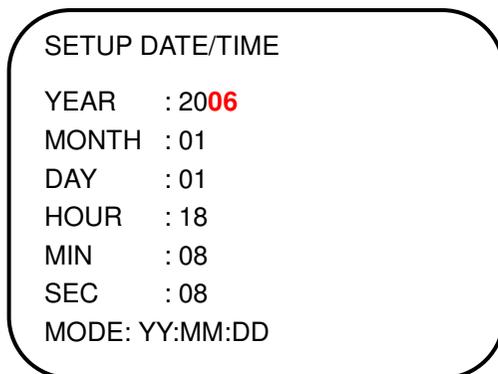
2. Date / Time & Daylight Saving Time Setting

A. Date/Time Setting

- Press  key to enter menu selection mode.
- Use  /  key to select [DATE/TIME] setting section.
- Press  key to enter [DATE/TIME] setting mode.



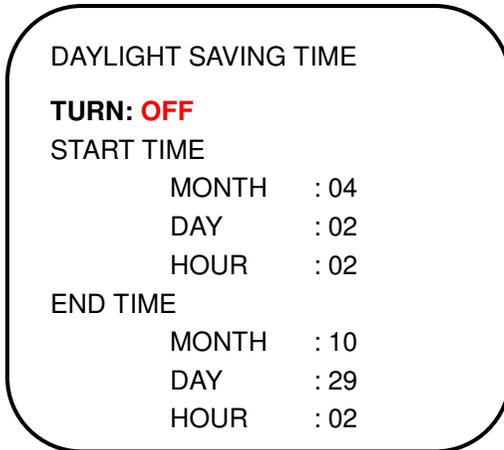
- Press  key to enter [DATE/TIME] setting mode.



- Use  /  key to select area for setting.
- Use  /  key to select value for setting.
- Press  key to exit for select other setting mode

B. Daylight Saving Time setting

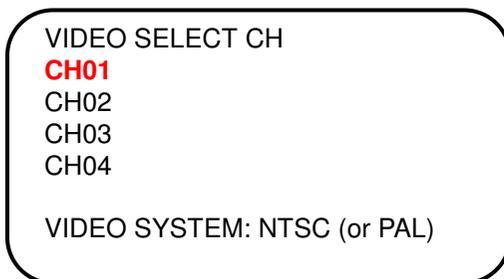
If you want setting daylight saving time, then you can use  key to go daylight saving section and use  key to turn daylight saving mode on for setting.



- G. Use / key to select area for setting.
- H. Use / key to select value for setting.
- I. Press key to exit for select other setting mode or press key and keep more than 2 seconds to exit OSD setting operation.

3. Video Setup

- A. Press key to enter menu selection mode.
- B. Use / key to select [VIDEO SETUP] setting section.
- C. Press key to enter [VIDEO SETUP] select mode.



- D. Use / key to select channel going setting video.
- E. Press Key to enter selected channel for video setting.

VIDEO SETUP CH1

BRIGHTNESS : **36** (00~63)
CONTRAST : 36 (00~63)
SATURATION : 36 (00~63)
HUE : 36 (00~63)
APPLY TO ALL

- Brightness: Brightness is adjustable, "00" = the darkest, "63" = the lightest.
- Contrast: Contrast is adjustable, "00" = maximum, "63" = minimum.
- Saturation: Saturation is adjustable, "00" = maximum, "63" = minimum.
- Hue: Hue is adjustable, "00" = maximum, "63" = minimum.
- Apply to all: Adjust above items (brightness, contrast, saturation, hue) to the proper setting and then use the same setting for each camera.

F. Use  /  key to select the section going setting.

G. Use  /  key to select value to set the video.

H. Press  key to exit for select other setting mode or press  key and keep more than 2 second to exit OSD setting operation.

4. Motion Detect Setting

A. Press  key to enter menu selection mode.

B. Use  /  key to select [MOTION DETECT] setting section.

C. Press  key to enter [MOTION DETECT] select mode.

MOTION DETECT SELECT CH

CH01
CH02
CH03
CH04

D. Press  key to enter [CH01] select mode. Or, you can use  /  key to select channel going setting video.

E. Use  /  key to select "ON" or "OFF".

MOTION DETECTION_CH1

TURN : ON (or OFF)

RELAY OUTPUT: ON (or OFF)

- F. Press  key to exit for select other setting mode or press  key and keep more than 2 seconds to exit OSD setting operation.

5. Event List Selection

- A. Press  key to enter menu selection mode.
- B. Use  /  key to select [EVENT LIST] setting section.
- C. Press  key to enter [EVENT LIST] select mode.

NO	CH	STATE	YY/MM/DD	HH : MM : SS
0001	3	A	06 / 08 / 21	15 : 44 : 53
0002	4	A	06 / 08 / 21	15 : 44 : 54
0003	3	A	06 / 08 / 21	15 : 44 : 56
0004	2	A	06 / 08 / 21	15 : 44 : 58
0005	1	L	06 / 08 / 21	15 : 04 : 25
0006	2	A	06 / 08 / 21	15 : 14 : 17
0007	3	A	06 / 08 / 21	15 : 17 : 20
0008	4	A	06 / 08 / 21	15 : 17 : 22
0009	1	A	06 / 08 / 21	15 : 17 : 23
0010	2	A	06 / 08 / 21	15 : 17 : 25

* Each page can display 10 events (maximum 1000 events can be recorded).

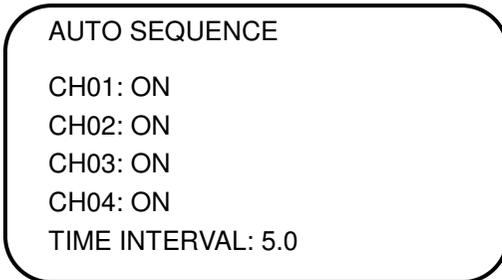
* The event log will be cleared simultaneously when format CF Card.

* EVENT is recorded in the CF card. It can be searched for playback when the CF card is removed and installed into the other DVR in same type.

- D. Use  /  key to select event for play.
- E. Press  /  key to change the event list page for select.
- F. Press  Key to play selected event.
- G. Press  key to back event list for select other event to play or then press  key to exit event list selection.

6. Auto Sequence Setting

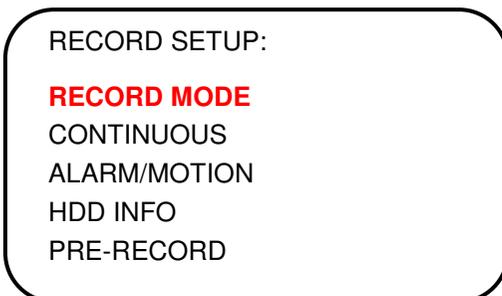
- A. Press  key to enter menu selection mode.
- B. Use  /  key to select [AUTO SEQUENCE] setting section.
- C. Press  key to enter [AUTO SEQUENCE] select mode.



- B. Use  /  key to select channel for auto sequence view.
- C. Use  /  key to turn On for view or turn Off for not viewing.
- F. Press  /  key to select view each channel time.
- G. Use  /  key to select the time to view each channel (0.25 / 0.5 / 0.75 / 1.0 / 1.25 / 1.5 / 1.75 / 2.0 / 2.25 / 2.5 / 2.75 / 3.0 / / 10.0).
- H. Press  key to exit for select other OSD setting to set or press  key and keep more than 2 seconds to exit OSD setting operation.

7. Record Setup Operation

- A. Press  key to enter menu selection mode.
- B. Use  /  key to select [RECORD SETUP] setting section.
- C. Press  Key to enter [RECORD SETUP] select mode.



- D. Use  /  to select section for setting.

E. Press  Key to enter selected section for setting, then use  /  key to select the section for setting and use  /  key to select the value.

a. Record Mode set up: 3 record modes (“C” = Continuous, “A” = Alarm and “M” = Motion) for select.

SCHEDULE RECORD												
AM	0	—	—	3	—	—	6	—	—	9	—	—
	C	C	C	C	C	C	C	C	C	C	C	C
PM	12	—	—	15	—	—	18	—	—	21	—	—
	C	C	C	C	C	C	C	C	C	C	C	C

b. Continuous Record: for set-up 4 level record quality and 4 kinds frame rate for record.

CONTINUOUS RECORD :
RESOLUTION: CIF
 QUALITY : STANDARD
 REC RATE : 30_FPS

- * Resolution: 0.25CIF / CIF / 2CIF
- * Quality: Standard / Super / High / Normal.
- * REC Rate: Set up frame per second (fps) as below
 NTSC: 30 / 15 / 8 / 4 (fps)
 PAL: 25 / 12 / 8 / 4 (fps)

File size

Resolution	Quality	NTSC (K)	PAL (K)
720 x 480 (N)	High	21	25
720 x 576 (P)	Mid	15	18
	Low	10	12
352 x 244 (N)	High	7	8
352 x 288 (P)	Mid	6	7
	Low	4	4.7
176 x 128 (N)	High	4	4.5
176 x 144 (P)	Mid	3	3.4
	Low	2	2.25

(The file size will vary depending on recorded images, above figures are listed for your reference only.)

- c. Alarm / Motion Record: for set-up 4 level record quality, 10 kinds frame rate and duration for record while detect alarm or motion.

ALARM/MOTION RECORD
RESOLUTION: CIF
QUALITY: STANDARD
REC TIME: 60
REC RATE: 30_FPS
SENSITIVITY: 04

- * Resolution: 0.25CIF / CIF / 2CIF
- * Quality: Standard / Super / High / Normal.
- * REC Time: 10~99 (seconds)
- * REC Rate: Set up frame per second (fps) as below
NTSC: 30 / 15 / 8 / 4 (fps)
PAL: 25 / 12 / 8 / 4 (fps)
- * Sensitivity: 01 ~ 10 (10 = the highest)

- d. HDD information: for show CF Card information.

HDD INFORMATION
CIRCULAR : ON
HDD FORMAT
HDD CAPACITY
USB SLAVE

- * If you choose [CIRCULAR: ON], the recording will continue and overwrite previous recording when all CF card capacity is full. If you choose [CIRCULAR: OFF], the recording session stops when all CF card capacity is full.
- * If you select "HDD format", the CF card will be erased all data recording.
- * It shows the size of the CF card installed in the DVR.

- e. USB Slave for back-Up: This function is not available for use CF card model and USB download port is not built-in.

- f. Pre-record setup: for turn pre-record function On or Off.

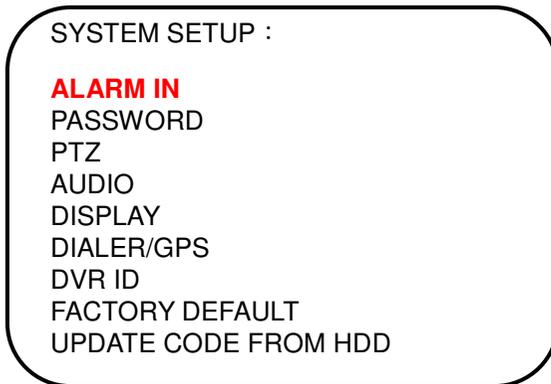
PRE-RECORD
PRE-RECORD : ON
REC RATE: 4_FPS

* Set “ALARM/MOTION RECORD” mode and then select “PRE-RECORD: ON”.
The system will record 100 images in the hard disk before event detected motion.

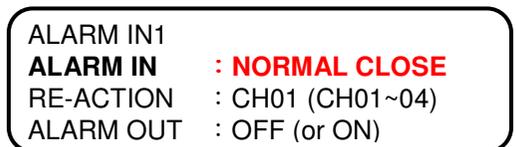
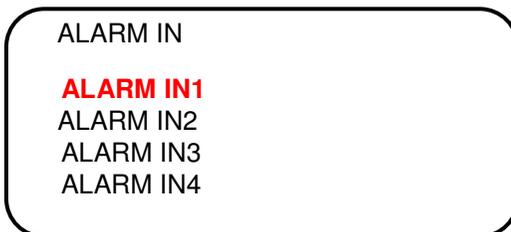
F Press  key to exit for other setting or press  key and keep more than 2 seconds to exit OSD setting operation.

8. System Setup Operation

- A. Press  key to enter menu selection mode.
- B. Use  /  key to select [SYSTEM SETUP] setting section.
- C. Press  key to enter [SYSTEM SETUP] select mode.



a. Alarm In: for select alarm in channel to set Alarm In, Re-Action and Alarm Out on/off.



- * Normal Close: The signal loop is closed under normal conditions. When the loop becomes open, alarm will be triggered until the loop becomes closed again. In other words, if the loop keeps on open for a period of time, alarm will keep on triggering in that time interval.
- * Normal Open: The signal loop is open under normal conditions. When the loop becomes closed, alarm will be triggered until the loop becomes open again. In other words, if the loop keeps on closed for a period of time, alarm will keep on triggering in that time interval.

b. Password: for change pass word. (initial password: 0000)

PASSWORD :

c. PTZ: for setting protocol, baud rate.

PTZ
PROTOCOL : **PELCO-D**
BAUD RATE : 9600

* Protocol: PELCO-D / PELCO-P

* Baud Rate: 2400 / 4800 / 9600 / 19200

d. Audio: for turn on or off audio record.

AUDIO SETUP
AUDIO REC : **ON** (or OFF)

e. Display information: for display Channel Name, Record Mode, HDD Mode, HDD Space, Date and Time on the screen.

DISPLAY
CHANNEL NAME : **ON** (or OFF)
REC MODE : ON (or OFF)
HDD MODE : ON (or OFF)
HDD SPACE : ON (or OFF)
DATE : ON (or OFF)
TIME : ON (or OFF)

f. Dialer/GPS: (Optional)

DIALER/GPS
DEVICE: **GPS**
BAUDRATE: 9600
DIAL MODE: TONE
PHONE 1: _____
PHONE 2: _____
PHONE 3: _____

- * Device: GPS / DIAL
- * Baudrate: 2400 / 4800 / 9600 / 14400 / 19200 / 38400 / 57600 / 115200
- * Dial mode: TONE / PULSE

g. DVR ID: for setting DVR ID number.



ID TYPE: ID / BUS / TAXI / TRAIN

h. Factory default: for setting load default yes or no.

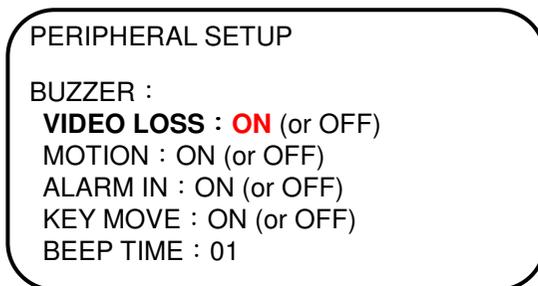
When you press  Key, the DVR will go back to factory default. The screen will show “**FACTORY DEFAULT** OK!”.

i. Update code from CF card:

Please contact your distributor for more information if this DVR got problem.

9. Peripheral Setting Operation

- A. Press  key to enter menu selection mode.
 - B. Use  /  key to select [PERIPHERAL SETUP] setting section.
 - C. Press  key to enter [PERIPHERAL SETUP] select mode.
- a. Buzzer: for setting buzzer alarm time for video loss, motion is detect, I/O alarm detect and key move alarm.



- Beep Time: 01 ~ 10

D. Use  /  key to select section for setting and use  /  key to select

value for setup.

- E. Press  key to exit for other setting or press  key and keep more than 2 second to exit OSD setting operation.

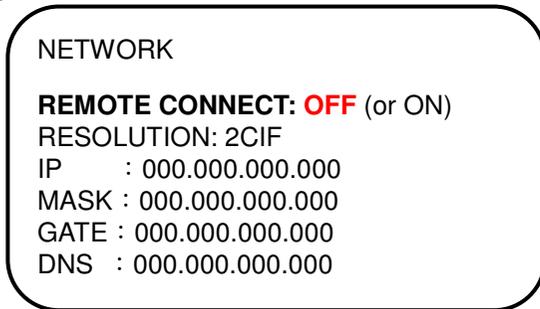
10. Key Lock Function Setting Operation

- A. Press  key to enter menu selection mode.
- B. Use  /  key to select key lock function on or off.
- C. Press  /  key to select other section for setting or press  key to exit OSD menu setting function.

11. Network Setting Operation (optional)

(This function is available when the DVR is connected with LAN)

- A. Press  key to enter menu selection mode.
- B. Use  /  key to select "Network" section and press  key to enter for setting.

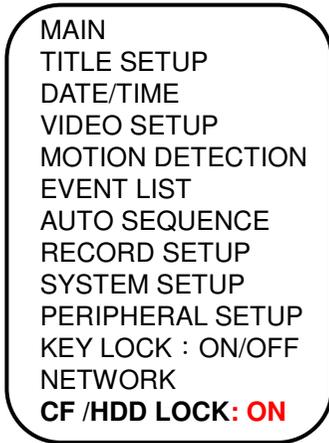


* Resolution: 0.25CIF / CIF / 2CIF

- C. Press  /  key to select other section for setting or press  key to exit OSD menu setting function.

12. CF / HDD LOCK: ON Function Setting

B. Press  key to enter menu selection mode.



B. Use  /  key to select the [CF / HDD lock] on or off.

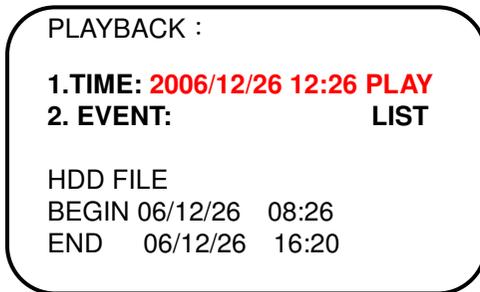
C. Press  /  key to select other section for setting or press  key to exit OSD menu setting function.

PLAY BACK RECORD DATA

There are two ways to playback the record data.

1. Playback by **Time**:

Press the “Play” button, the screen will display playback menu, you can use up/down/right/left/enter buttons to select the start day and time which you want to play back, then move to “PLAY” and press “Enter” button to playback.



2. Playback by **Event**:

4.1 Press “Play” button, you can select the PLAY BY EVENT from playback menu.

Use up/down/right/left buttons to select event which you want to play back, then press “Enter” button to playback.

4.2 Press “Menu” button into menu list and select Event list, use

up/down/right/left/enter buttons to select event which you want to play back, then press “Enter” button to playback.

In the play mode you can use play bar to control play function. The play bar buttons introduction as below:

FF: fast forward.

Press the “FF” once the playback speed will change to x2 speed to play, press again it will change to x4 and press again it will change x8, if you want to return to the playback speed just press the “Play” button.

FB: fast backward playback.

Press the “FB” once the backward speed will change to x2 speed to backward play, press again it will change to x4 and press again it will change x8, if you want to return to the playback speed just press the “Play” button.

P/S: **Pause / Stop** button

Pause: Pause the playback. (Press P/S button one time.)

Stop: Stop playback and go back to the view mode. (Press P/S button for longer time)

PTZ CAMERA SETTING AND CONTROL

1. Introduction:

Connect the Signal I/O box to the DVR. The signal I/O box has RS485 ports for PTZ camera control.

2. Installation:

2.1 Setting PTZ camera control protocol:

Follow PTZ camera user manual to choose and setting control protocol, all the camera need to choose same protocol type.

2.2 Setting PTZ camera ID:

Follow PTZ camera user manual to set PTZ ID, each camera has a unique ID it's own. We suggest stronger CH1 camera use the ID no: 1, CH2 camera use the ID no: 2 ..., that you will have more convenience to control your PTZ cameras.

Follow the figure to connect all of cameras RS485 TX together and RX together, then insert RS485 TX into the RS485 TX terminal and RX insert into the RS485 RX terminal and tight it.

3. PTZ control setting:

3.1 Go to DVR menu and select system, into system list and select subject of PTZ/Keyboard, then use left and right keys to select protocol to match your PTZ camera setting.

3.2 Use up and down keys to select subject of baud-rate, then use left and down keys to select baud-rate to match your PTZ camera setting.

3.3 Use up and down keys to select subject of ID, then use left and down keys to select ID to match witch PTZ camera you want control now.

3.4 If you want to set auto pan, you can select auto pan=on. Go to auto-pan setup and use up/down/right/left keys to set the start point and end point. Press cam1 save right position, cam2 save left position and press cam3 demo auto pan, and then use Menu key to quit PTZ setting.

3.5 Example:

PTZ Protocol: Pelco P
Baud rate: 9600 bps
ID: 1
Auto pan: on

4. PTZ control:

How to move PTZ camera?

The process is as follows:

1. Press PTZ button.
2. Select Channel to control.
3. Press Up key to move camera up.
4. Press Down key to move camera down.
5. Press Left key to move camera left.
6. Press Right key to move camera right.
7. At any time press Stop key to stop camera move.
8. Press Auto key to turn the auto pan on.
9. Press PTZ key to quit PTZ control mode.

PC PLAYER SOFTWARE OPERATION

1. Install PC player software.
2. Control panel and function.



Open the file



4 splits



Save single image



9 splits



Transfer to AVI format



16 splits



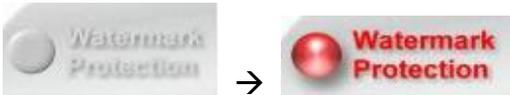
Print



Open or close displayed image



Minimize / Exit



Watermark Protection: The system will show the warning light and stop playing when the recorded data is abnormally put in or removed. Press "Play" button to continue the playback.



Information related to the current file



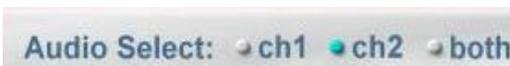
Play



Volume adjustment or activate mute play



Play speed adjustment



Audio channel selection



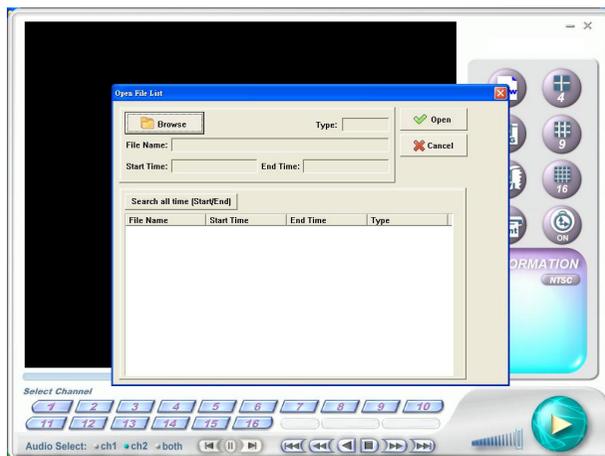
Camera channel selection



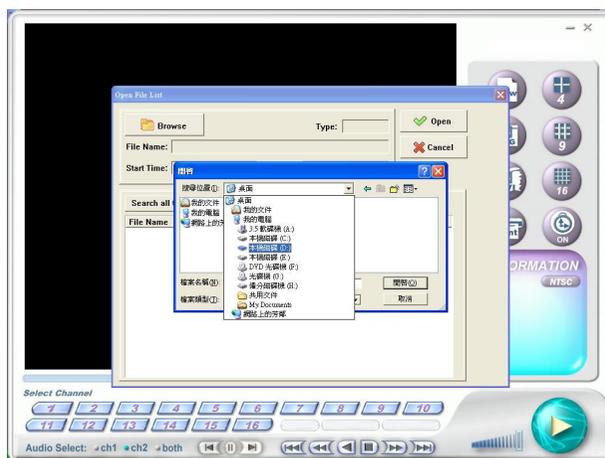
Double-click the left button of mouse to enlarge the channel

3. How to play the file

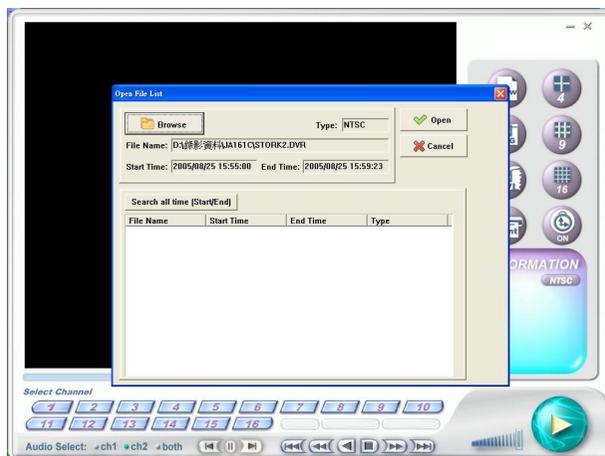
(1) Open the recorded file.



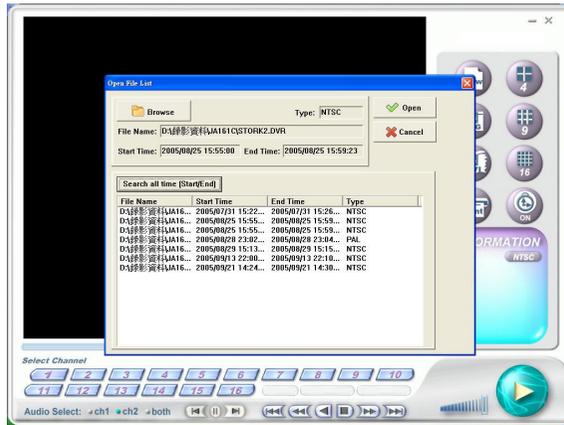
(2) Select the file location.



(3) Select the file.



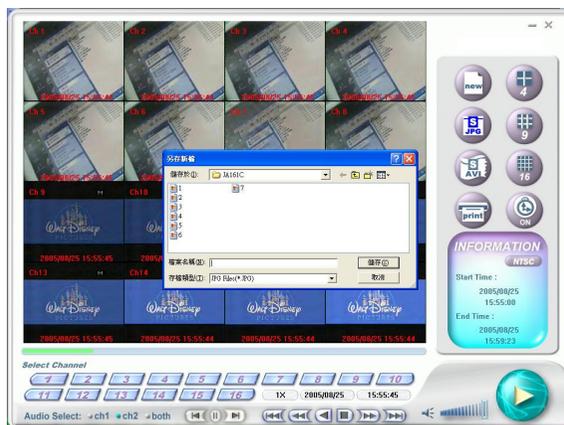
- (4) Press “Search” button to select recorded data stored on the disk and then press “Open” button.



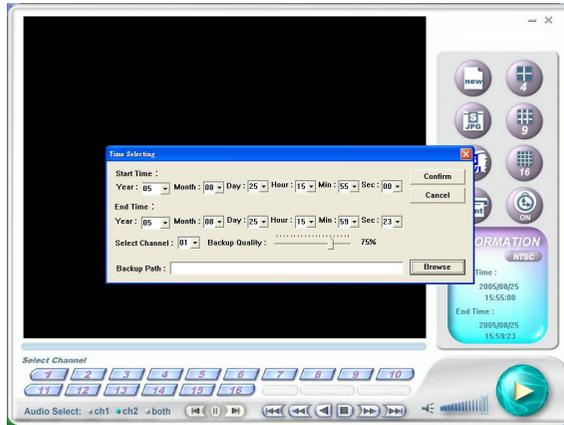
- (5) Press “Play” button to start playback.



- (6) Press “JPEG” button to save single image in JPEG file. (If the image is 16 splits, it will save 16 splits. You can use mouse to select specific channel and then save it).



- (7) Press “AVI” button to start transfer function. Select start time & end time, select transferred channel and transferred quality and saving access. Press “Confirm” button to start.



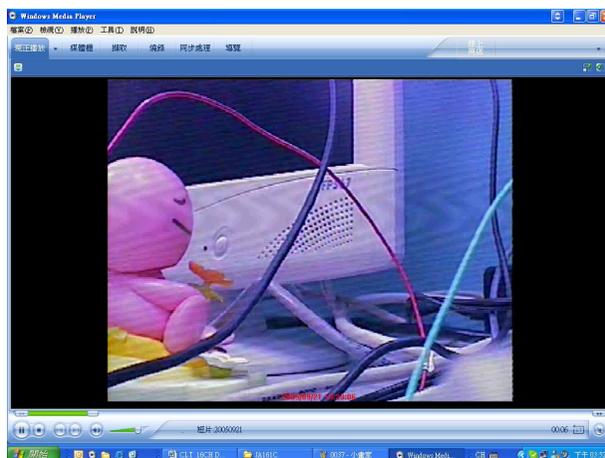
- (8) The bar will show progress when the system is transferring the file.



- (9) Play the transferred AVI file: After finding the saved file location, double-click the file by mouse to activate “Media Player” for playback.



(10) Play.



(11) Adjust Audio Channel 1 or Channel 2.

