

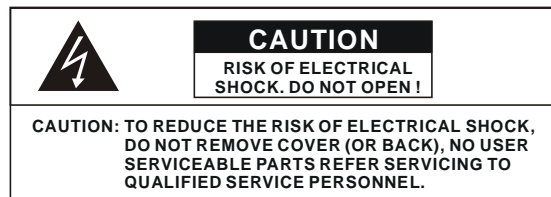
Thank you for purchasing our product.  
Please read this User's Manual before  
using the product. Change without Notice

4 Channel DVR

## **User's Guide**



## Safety Precautions



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of insulated dangerous Voltage within the product's enclosure that may be sufficient magnitude to constitute risk of electrical shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying the appliance.

**WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE UNITS NOT SPECIFICALLY DESIGNED FOR**



Attention: installation should be performed by qualified service Personnel only in accordance with the National Electrical Code or applicable local codes.

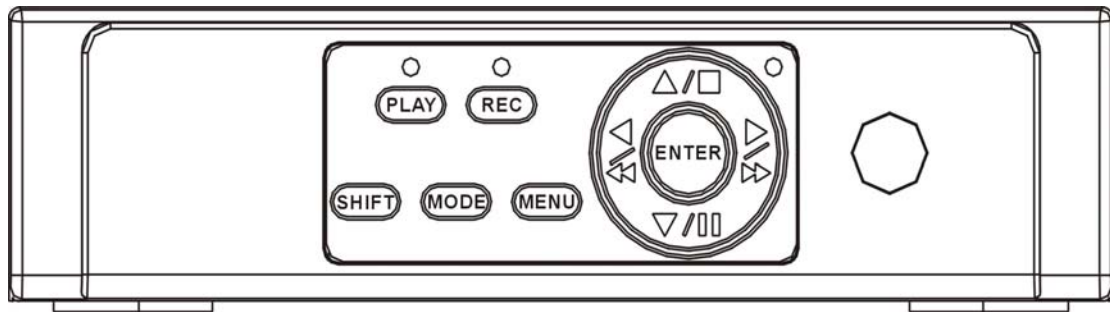



Power Disconnect. Units with or without ON-OFF switches have power supplied to the unit whenever the power cord is inserted into the power source; however, the unit is operational only when the ON-OFF switch is the ON position. The power cord is the main power disconnect for all units.

Warranty  
and Service

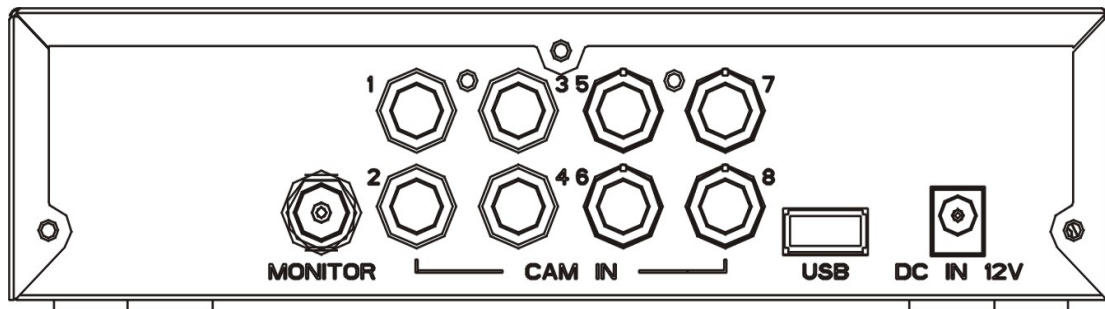
There are no serviceable parts for this unit, call for your agent for details.

## FRONT PANEL



<b>1.PLAY</b>	Video playback function .
<b>2.REC</b>	Record button (Start / Stop )
<b>3.SHIFT + MODE</b>	Change the record quality level (HST / HIG / NOR / LOW / LST).
<b>4.SHIFT</b>	Video backup function.
<b>5.MODE</b>	Change display mode (quad mode  ) / Full channel select
<b>6.MENU</b>	Display menu setup
<b>7.ENTER</b>	Change the setting value .
<b>8. UP / STOP</b>	Direction button UP / Playback stop button ▲ / ■
<b>9. DOWN / PAUSE</b>	Direction button down / Playback pause ▼ / ■■
<b>10. REW</b>	Direction left button/ Reverse playback / play speed ◀ / ◀◀
<b>11. FF</b>	Direction right button/ Forward playback / play speed ▶ / ▶▶

## REAR PANEL



<b>1. DC IN</b>	Power code in 12V/ 5A
<b>2. USB</b>	USB device slot
<b>3. CAM IN</b>	Camera 1 ~ 4 input BNC type
<b>4. MONITOR</b>	Monitor out

## 1. REMOTE Controller

The key on the remote controller function control is same as the front keypad of the unit.


	<b>REC</b>	Record button (Start / Stop )
	<b>MENU</b>	Display menu setup
	<b>BACKUP</b>	Video backup function.
	<b>SEARCH</b>	Video search function
	<b>HST</b>	Video record quality level (Highest)
	<b>HIG</b>	Video record quality level (High)
	<b>NOR</b>	Video record quality level (Normal)
	<b>LOW</b>	Video record quality level (Low)
	<b>LST</b>	Video record quality level (Lowest)
	<b>ENTER</b>	Change the setting value .
		Direction button UP / Playback stop button
		Direction button down / Playback pause
		Direction right button / Forward playback / play speed
		Direction left button / Reverse playback / play speed
	~	Channel 1 ~ channel 4 Full screen display
		Quad display screen

## 1 . OPERATION

Power on the DVR system , the real-time video can be seen by 4 quad screen or full screen display .  
User can press "MODE" button to switch the display mode .

**Playback mode** : Press "PLAY" button , user can search date-time to playback .

**Record mode** : Press "REC" button start to record . User can press "SHIFT" + "MODE" button to change the record quality .Record quality level have 5 types : HST / HIG / NOR / LOW / LST .

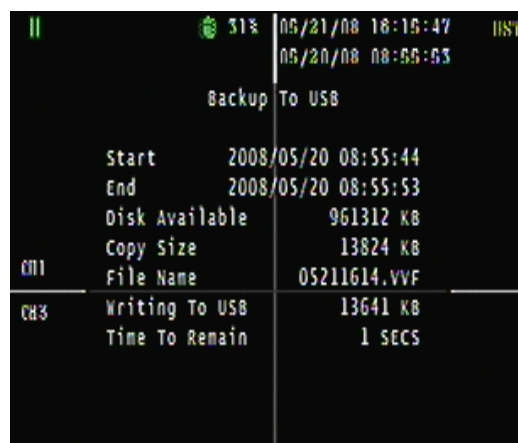
Press "SHIFT" button , it will show an icon  at top line on screen then press "MODE" button to change record frame rate and quality level then it will show a message **HST** on top-right screen .  
User change the different record level , it means that user change the record quality , below table show the mapping .

Level	HST	HIG	NOR	LOW	LST
FPS	60 (15/each)	60 (15/each)	16 (4/each)	8 (2/each)	8 (2/each)
Quality	High	Normal	Normal	Normal	Low

### Backup mode :

Before backup, USB device is required. User need insert USB device into USB slot before backup.  
Backup file size can not exceed 3GB

1. On playback mode, press "SHIFT" button to start backup.
2. When user press "SHIFT" button , it means the start time of backup .
3. When user press "SHIFT" button second time , it means the end time of backup .
4. The system will auto reading USB device then start to backup data .



### USB compatible(Max. 4G)

ADATA / Transcend / San Disk / Kingston

## ① 2. SYSTEM SETUP



### 2.1 Time Setup

User can setup daylight saving time and date format in this menu , also can use up-down button move to time set change the date and time. Finally press apply to change time .

### 2.2 Auto Record:

On / Off

When auto record is set on , the DVR will start recording after the DVR power on .

If user stop record , it still can auto record after 2 minutes .

### 2.3 Hard Disk Setup :

Overwrite Enable : Yes -> When Hard Disk full , DVR continue to record

No -> When Hard Disk full , DVR stop record .

Format HDD : Initial the HDD , Please format hard disk before starting record

### 2.4 Language

Standard is English / Chinese

#### Notice :

In real-time mode , user can press direction key -Up ▲ 5 times to enable key lock .

And press direction key -Up ▲ 5 times again to disable key lock

## 2.5 Search

User can search record data by time search , press "PLAY" button and input time to search video .

1. Press "ENTER" into time select .
2. Use direction left or right button to move the cursor position .
3. Press "ENTER" to change date and time .



4. Press "MENU" return to the previous screen and move cursor to Search.
5. Press "ENTER" to start the searching.
6. Wait until the unit starts to playback.



### Playback mode

Forward speed: x 2 / x 3 / x 4

(Direction right button)

Reverse speed: x 8 / x 16 / x 32

(Direction left button)

Press "STOP" button return to live mode.

## 2.6 Exit

When user exit the setting menu , all changed values will be auto save .



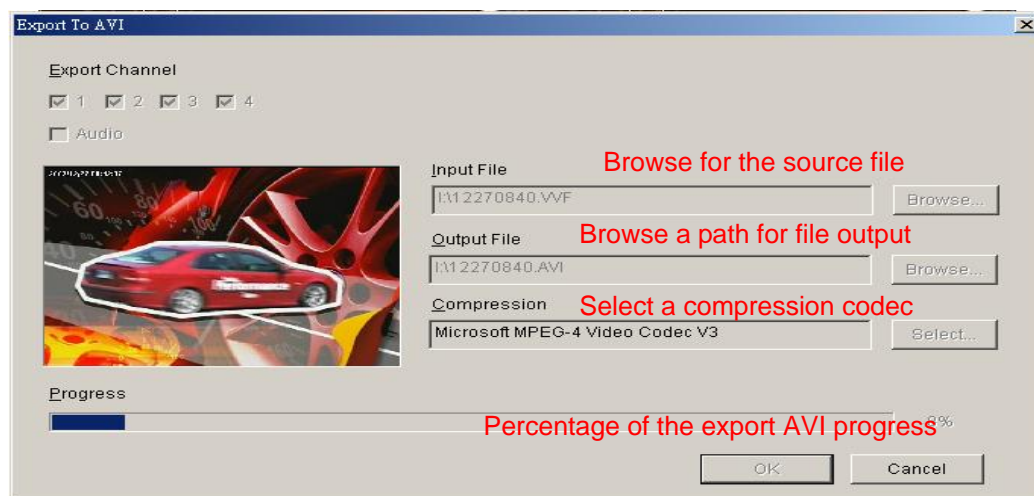
### 3 . Player Software

Start to play :



1	Fast Reverse	6	Play
2	Play Reverse	7	Fast Forward
3	Previous Frame	8	Full Screen (manual switch)
4	Pause	9	Quad Screen 
5	Next Frame	10	Capture image 

**AVI Button:** .vvf files export to .avi format



4 . Specification	
Model	4 CH Digital DVR
Input	4 CH Inputs 1.0Vp-p, 75ohm unbalanced (BNC Type)
Output	Main monitor x 1
S/N Ratio	More than 40dB
Color	6.7 Million
<b>Monitoring Method</b>	
Channel Display	Single / Quad channel
Screen Quality	640(H) x 448(V) Active Pixels(NTSC); 640(H) x 544(V) Active Pixels (PAL)
Display Rate	120 fps (NTSC) / 100 fps (PAL)
<b>Recording/ Play Function</b>	
Recording (Max) NTSC	Max 60 fps(NTSC); Max 50 fps(PAL)
Record Quality	High, Normal, Low
Compressed Picture	Storage: M-JPEG
Recording Control	Normal / Schedule / Event
Motion detect Record	5 ~ 30 seconds
Playback Mode	Time list / event list / Date & Time search
<b>Backup and Copy</b>	
Backup	Event Backup / Video Data backup via USB device
Backup file play	Client software to play files
<b>Other Function</b>	
Operation Mode	Record / Play
Monitoring	Firmware Watchdog
Recovery	Auto-Reboot by Watchdog
Operation Mode	Duplex (Record +Playback )
Control Device	Front key/ Remote controller
Daylight Saving	Supported
Language	English / Chinese
Motion Detect	16 x16 grids camera for all channel
Storage	3.5 inch HDD x 1 SATA
Firmware Upgrade	Support USB firmware upgrade
HDD Record Mode	Full stop / overwrite
Power Supply	DC12V
Operating Temperature	0 慢 ~ + 55 慢