

HDD SUPPORT LIST



Warning: For maximum performance and compatibility, always use the recommended hard drivers listed below.

SATA

Brand	Maxtor	Seagate	HITACHI	WD
Capacity /Model Number	250G STM3250310AS	250G ST3250824AS	250G HDT725025VLA380	
	320G STM3320820AS	320G ST3320620SV	320G HDT725032VLA360	
	500G STM3500630AS	500G ST3500320SV	500G HDT725050GLA360	500G WD5000AAKS
		750G ST3750330AS		750G WD7500AAKS
			1T HDS721010KLA330	1T WD10EACS



Warning:
The hard drive below is not recommended for this unit

SATA

Brand	Maxtor	Seagate	HITACHI	WD
Capacity /Model Number			750G HDS721075KLA330	250G WD2500AAJS
				320G WD3200AAKS

CONTENT

1、FEATURE	2
2、SPECIFICATIONS.....	3
3、INSTALLATION.....	4
4、FRONT PANEL.....	5
5、OPERATING MANUAL.....	6
5-1 System.....	6
5-1-1 Network Setting.....	7
5-1-2 Pan/Tilt Device.....	8
5-2 Camera.....	9
5-3 Record.....	9
5-4 Record Schedule.....	10
5-5 Sensor.....	11
5-6 Motion Detection.....	11
5-7 Audio.....	12
5-8 Hard Disk Setup.....	12
5-9 Load Setup Default.....	13
6、RECORD CONTROL.....	14
7、PLAY CONTROL.....	14
8、USB BACKUP	15
9、PTZ CONTROL.....	15
10、8-CH CONTINOUSE RECORDING HOURS ON A 400GB HDD	16
11、DVR VIEWER USER GUIDE.....	16

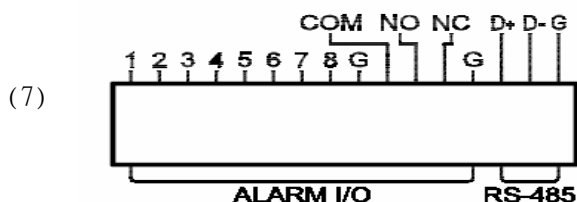
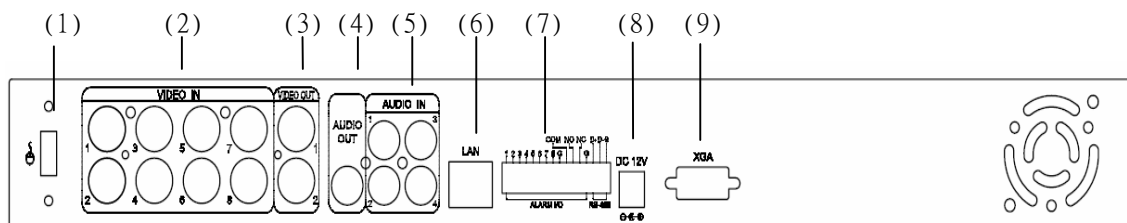
1、FEATURE

1. Triplex (Recording, Playback, Network).
2. Up to 60fps (NTSC) or 50fps (PAL) Recording Speed.
3. Support flash slot USB archiving.
4. Displaying is synchronized with Recording.
5. Compatible of NTSC/PAL format.
6. Advanced MJPEG.
7. Manual/Motion/Programmed.
8. Systems Record Automatically While Alarming.
9. Search By Time/Date.
10. Watch Dog Feature.
11. Internal Motion Detect Feature.
12. Support Audio recording (4 Input, 1 Output).
13. Support SATA HDD.
14. Support auto switch.
15. Support PTZ.
16. Support Alarm Input (8 Input, 1 Output).
17. Support mouse.
18. LAN (TCP/IP, DHCP).
19. IR remote controller (Option).
20. VGA output (Option).
21. Watch Dog.

2、SPECIFICATIONS

Model Number	DVMR-V8		
Video Format	NTSC/PAL		
Operating System	Embedded RTOS		
XGA	D-SUB 15Pin XGA		
Video Input	BNC x 8 (1Vp-p 75Ω)		
Audio Input	RCA x 4		
Video Output	BNC x 2(Main Monitor)		
Audio Output	RCA x 1, Line-Out		
Display Frame	NTSC	240 fps (8 × 30 fps)	
	PAL	200 fps (8 × 25 fps)	
Recording Frame	NTSC	60 fps	
	PAL	50 fps	
Video Operation	Duplex (Record / Playback/Network)		
Resolution	Display	NTSC	640 x 448
		PAL	640 x 544
	Recording	NTSC	640 x 224
		PAL	640 x 272
Compression Format	Modified MJPEG	Normal	
		High	
		Highest	
HDD	SATA HDD x 2		
Backup	USB		
Search	Time/Date/Event		
alarm	8 in/1 out		
Motion Detect	Yes		
Loss Detect	Yes		
Auto Switching	Yes		
Buzzer Output	Yes		
Brightness Adjust	Yes		
Contrast Adjust	Yes		
PTZ	Yes		
XGA	640*480/800*600/1024*768/1280*1024		
Mouse	Yes		
LAN	MPEG4 (TCP/IP, DHCP)		
Power Supply	DC 12V / 4A		

3、INSTALLATION



(1) MOUSE PORT

(2) VIDEO IN

(3) VIDEO OUT

(4) AUDIO OUT

(5) AUDIO IN

(6) LAN

(7) 1~8:Alarm In

G :GND

COM: Relay COM output

NO : Relay N.O. output

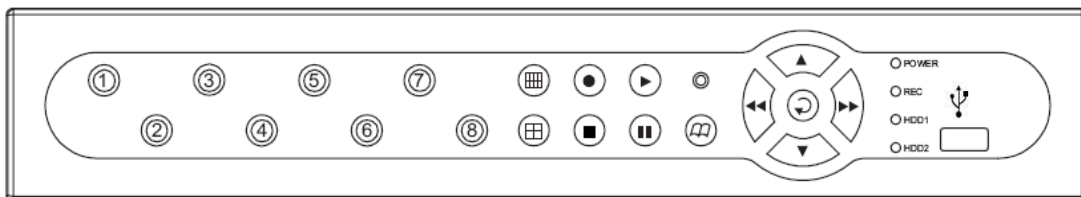
NC : Relay N.C. output














D+、D-:RS-485

(8) Power Input

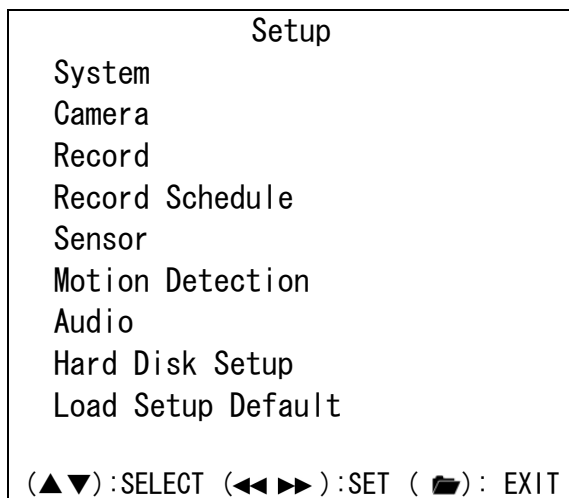
(9) XGA Output

4、FRONT PANEL



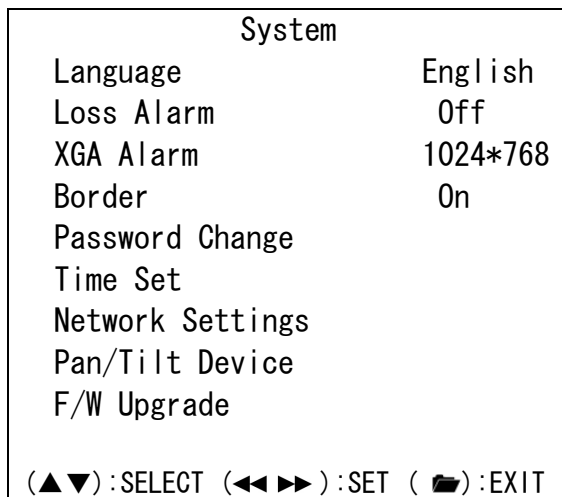
1. **1** CH1 FULL SCREEN
2. **2** CH2 FULL SCREEN
3. **3** CH3 FULL SCREEN
4. **4** CH4 FULL SCREEN
5. **5** CH5 FULL SCREEN
6. **6** CH6 FULL SCREEN
7. **7** CH7 FULL SCREEN
8. **8** CH8 FULL SCREEN
9.  8-division display
10.  4-division display
11.  MENU
12.  UP
13.  DOWN
14.  SELECT
15.  RECORD
16.  PAUSE
17.  RFAST
18.  STOP
19.  PLAY
20.  FFAST
21. REC Record LED
22. HDD1 Light up while Master HD working
23. HDD2 Light up while Slave HD working
24.  USB HOST

5、 OPERATING MANUAL



Press ▲▼to select item, use ◀▶ to enter
press 📁 to exit

5-1 System



Press ▲▼to select item, use ◀▶ to set
Press 📁 to exit

- (1) Language: Select Language.
- (2) Loss Alarm: On/Off.
- (3) XGA Alarm: 1024×768、1024×1280、640×480、800

× 600.

(4) Border: Division mode with or without white border (ON/OFF).

(5) Password Change: Select this item to change Password.

※Factory default password:111111.

(6) Time Set: Select this item to set up current Time.

(7) Network Settings: 5-1-1.

(8) Pan/Tilt Device: 5-1-2.

(9) F/W Upgrade

Please save updated firmware on a USB flash drive. Stick it into USB port. The screen will show both current version and new version of firmware.

- When update is in progress, please don't operate the unit or remove the USB flash drive to prevent malfunction or system error.
- After it is completed, turn off and restart the unit. There must have a hard drive to store new firmware. Be sure a hard drive must be installed.

5-1-1 Network Settings

Network Settings	
Enable	Yes
Local IP	
Port	8841
Mac Address	12:34:56:78:9A:BC
Password	111111
Video Quality	4
(▲▼):SELECT (◀▶):SET (🔼):EXIT	

Press ▲▼to select item, use ◀▶ to set

Press 🔼 to exit

(1) Enable: Enable connect network, you can choose yes or no.

- (2) Local IP: Select this item to set up Local IP.
- (3) Port: Setup network port.
- (4) Mac Address: DVR Mac Address.
- (5) Password: Password (default 111111) for review in remote.
- (6) Video Quality: Setup the video quality level.
There are 1~5 levels and 5 is the best quality.

5-1-2 Pan/Tilt Device

Pan/Tilt Device	
Channel	1
ID	1
Model	PELCO-D
Pan/Tilt Test	
RS485 (Baudrate)	2400
(▲▼):SELECT (◀▶):SET (🔍):EXIT	

Press ▲▼ to select item, use ◀▶ to set

Press 🔍 to exit

- (1) Channel: Select the Channel you want to setup.
- (2) ID: 0-254.
- (3) Model: You can choose pelco D, pelco P, MERIT LI-LIN.
- (4) Pan/Tilt Test: You can choose to test the
“Pan/Tilt Device” is set correct.
- (5) RS485 (Baudrate) : 1200、1800、2400、4800、
9600、14400、19200、36400、
57600、115200.

5-2 Camera

Camera	
Channel	1
Display	On
Brightness	----- -----
Contrast	----- -----
Hue	----- -----
Saturation	----- -----
Auto Switching	05

(▲▼):SELECT (◀▶):SET (🔍):EXIT

Press ▲▼ to select item, use ◀▶ to set

Press 🔍 to exit

- (1) Channel: Select the Channel you want to setup.
- (2) Display : ON/OFF Display for CH selected.
- (3) Brightness / Contrast / Hue / Saturation setup.
- (4) Auto Switching: Set the duration of each channel Off/1-10 seconds.

5-3 Record

Record	
Record Speed	
Record Quality	High
Event Rec Duration	10
Event Buzzer	off

(▲▼):SELECT (◀▶):SET (🔍): EXIT

Press ▲▼ to select item, use ◀▶ to set

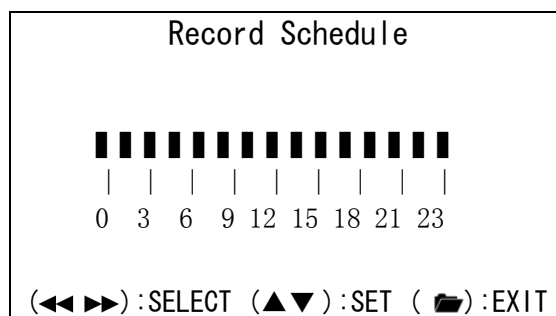
Press 🔍 to exit

- (1) Record Speed: Set the number of frame per second (fps).

NTSC : default: 15 fps, maximum total
frame: 60 fps.

- PAL : default: 12 fps, maximum total
frame:50 fps.
- (2) Record Quality: Video quality at levels of
Highest/High/Normal.
 - (3) Event Rec Duration: Set the duration when alarm
or motion start, Off, 1-30, CONT.
 - (4) Event Buzzer : Off, 1-30, CONT.

5-4 Record Schedule



Press ◀▶ to select item, use ▲▼ to set
Press 📁 to exit

- (1) Use ▲▼ to change record mode.
- (2) Range:0-23 hrs.
- (3) Set "blue" for disable the recording.
- (4) Set "red" for continuous recording.
- (5) Yellow/Green marker as Motion + Sensor Record
status.

5-5 Sensor

Sensor	
Alarm Duration	off
Sensor-1	Disable
Sensor-2	Disable
Sensor-3	Disable
Sensor-4	Disable
Sensor-5	Disable
Sensor-6	Disable
Sensor-7	Disable
Sensor-8	Disable
(▲▼):SELECT (◀▶):SET (■): EXIT	

Press ▲▼ to select item, use ◀▶ to enter

Press ■ to exit

(1) Alarm Duration: Off, 1-30, CONT.

(2) Sensor 1-8: Set channel 1-8 alarm, Disable, N/Open, N/Close.

5-6 Motion Detection

Motion Detection	
Channel	1
Sensitivity	off
Alarm Duration	off
Motion Area	
(▲▼):SELECT (◀▶):SET (■): EXIT	

Press ▲▼ to select item, use ◀▶ to enter

Press ■ to exit

(1) Channel: Select the Channel you want to setup.

(2) Sensitivity: Level range 1~4 (defaulted as Off, level 1 as the most sensitive).

(3) Alarm Duration: Off, 1-30, CONT.

(4) Motion Area: Set motion area.

5-7 Audio

Audio	
Channel	1
Record	On
Mute	Off
Input Volume	----- -----
Ouput Volume	----- -----

(▲▼):SELECT (◀▶):SET (🗑️): EXIT

Press ▲▼ to select item, use ◀▶ to enter

Press 🗑️ to exit

- (1) Channel : Select the channel that you want to record the audio.
- (2) Record : On / Off.
- (3) Mute : On / Off.
- (4) Input Volume: Input Volume of audio.
- (5) Ouput Volume: Ouput Volume of audio.

5-8 Hard Disk Setup

Hard Disk Setup	
Overwrite Enable	Yes
Format HDD	
Size:	152617MB
Used:	1214MB

(▲▼):SELECT (◀▶):SET (🗑️): EXIT

Press ▲▼ to select item, use ◀▶ to enter

Press 🗑️ to exit

- (1) Overwrite Enable:

Enable overwrite when HDD capacity is full:

Yes: When HDD overwrite is taking place, the data is stored in duration of 4 hours per event and being recorded continuously.

No: Stop recording.

(2) Format HDD :

When choose this item, DVR will request for password.

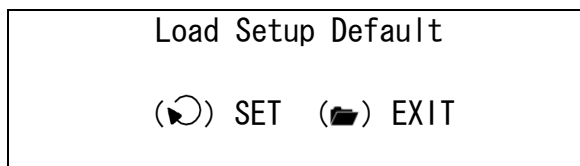
- if the password is correct, the system will remind you that it is removing the hard disk. After that, it will return to the HDD setup.
 - When the password is incorrect, it will appear "wrong password" and then return to the HDD setup.
- ※ Factory default password:111111.

HDD Status

Indicates current HDD status, including total capacity and percentage of space being used.

※HDD must be formatted before installation, replacement & re-installation.

5-9 Load Setup Default



Press ↺ to restore the default settings, Press ⏏ to exit.

6、RECORD CONTROL

It will be recording if you power on the DVR; or any motion happed in the motion record. but in no set mode, you must press **●** to start or stop recording.

7、PLAY CONTROL





Display Control: it will show the play list if you press **▶**; press **▲▼** to select the list press again, it will play the list you choose.

Event List			
001	09/03/12	24:00:00	TIME
002	09/03/12	20:00:00	TIME
003	09/03/12	16:00:00	TIME
004	09/03/12	12:00:00	TIME
005	09/03/12	08:00:00	TIME
006	09/03/12	04:00:00	TIME
007	09/03/12	03:34:56	POWER ON
◇ PAGE (01/02) ◇			







Time Search	
Start	2009/03/12 07:34:56
End	2009/03/12 24:34:56
▼	
2009/03/12 07:34:56	
▲	
(◀▶):SELECT (▲▼):SET (📁):EXIT	

1. Event List:




- (1) TIME: Each event is recorded and listed every four hours automatically.
- (2) MOTION: Motion event List.

- (3) SENSOR : Sensor event list
- 2. During the playback:
 - (1)  Fast forward of playback. Click twice for X 2 speed and 3 times for X3 speed.
 - (2)  Fast backward of playback. Click twice for X 2 speed and 3 times for X3 speed.
 - (3) Press  to pause the playback.
 - (4) Press  to stop the playback.

8、USB BACKUP






Press  can convert to the BACKUP mode in Video playback
 Press  to setup start time. press  to setup end time
 (After setting up both start and end time, the machine will indicate the size of the file.) , Press  or REC to proceed backup process. Press  or  to exit.

9、PTZ CONTROL

- 1, Select the PTZ during live display. Press  to start PTZ function. Then Press  to select direction, focus, zoom and brightness setting. After setting, click  to exit.

 : Focus: Press   or   to setup.

 : Zoom In/Out: Press   or   to setup.

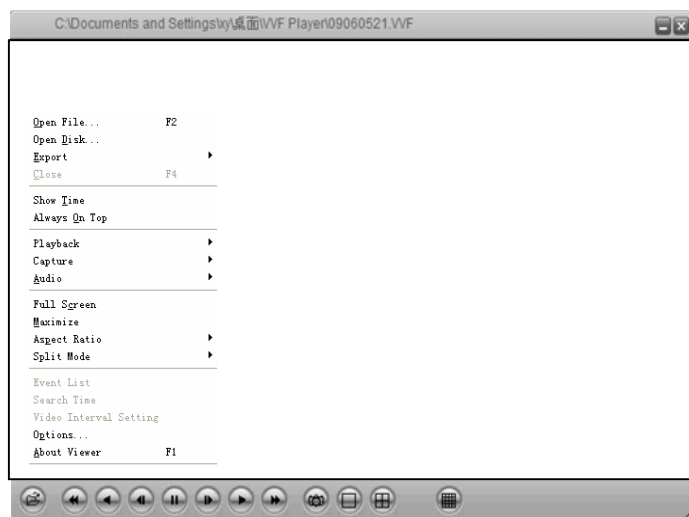
 : Up/Down/Right/Left: Press   or   to setup.

 : Brightness : Pres   or   to setup.

10、 8-CH Continuous Recording Hours on A 400GB HDD

Recording Results in NTSC Standard		60 fps	30fps	15fps	1 fps
Video Standard	Video Quality				
NTSC	High	50Hrs	100 Hrs	200 Hrs	3000 Hrs
	Normal	80 Hrs	160 Hrs	320 Hrs	4800 Hrs
	Low	105 Hrs	210 Hrs	420 Hrs	6300 Hrs
Recording Results in PAL Standard		50fps	25fps	12fps	1 fps
Video Standard	Video Quality				
PAL	High	45 Hrs	90 Hrs	180 Hrs	2250 Hrs
	Normal	75 Hrs	150 Hrs	300 Hrs	3750 Hrs
	Low	100 Hrs	200 Hrs	400 Hrs	5000 Hrs

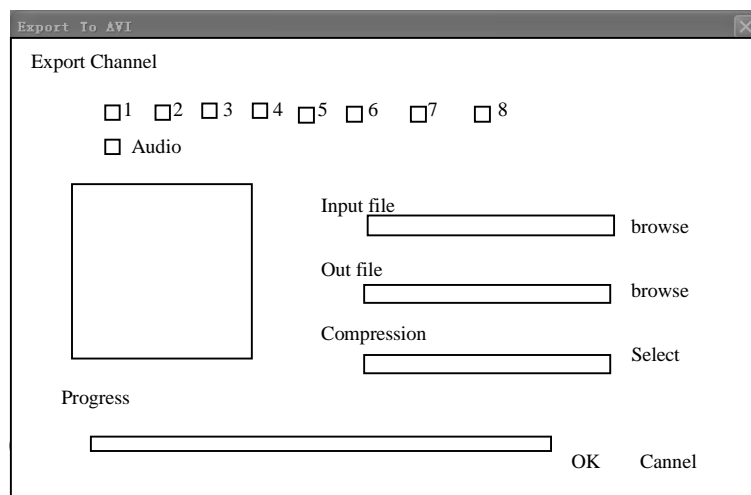
11、 DVR VIEWER USER GUIDE



1 PLAY THE HDD EVENT LIST: Start “VVF Player” in your computer desktop, press the right button, select “open HDD” it will play the event in HDD.

2 PLAY THE USB BACKUP FILE: Press the right button select “open file” ,select the file you want.

3 Convert File to AVI Format.

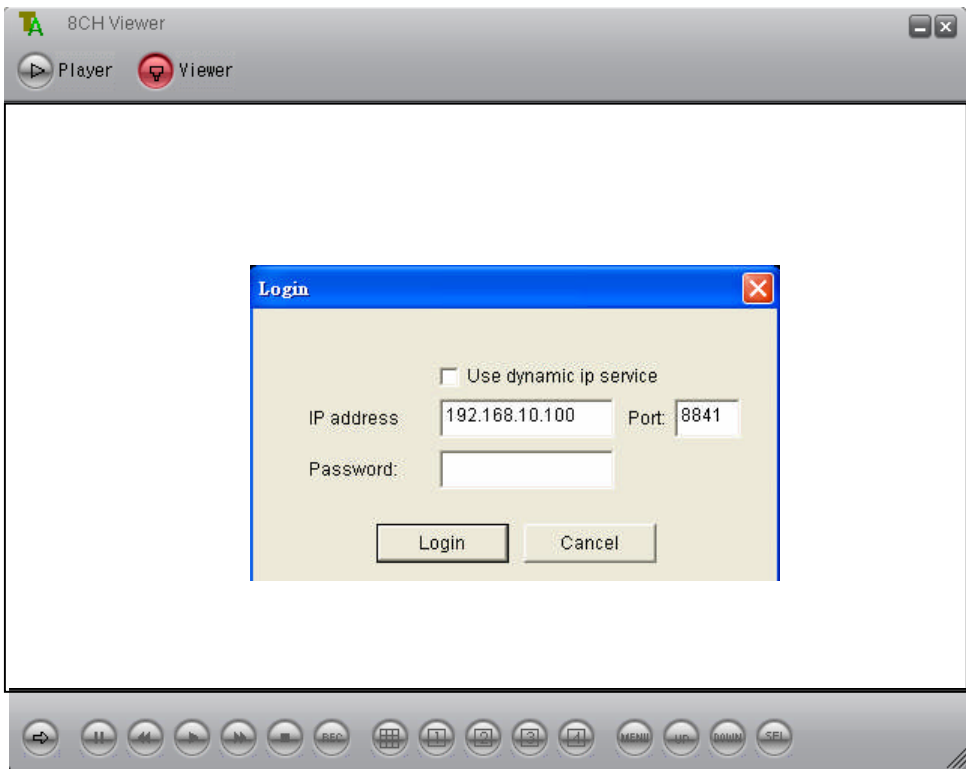




Press the right button of the mouse, pick and choose 「Backup」 / 「AVI」 in the playing picture.

1, Setup Input/Output File 、 Compression Type、 Output Channel and Audio.

2, Click “OK” to start converting file to AVI format.

4. login



- (1) Execute the Viewer and click  at below-listed functions to login and access the DVR live display.
- (2) Use dynamic IP service : Click it if you' re using the Dynamic IP service.
- (3) IP address : Key in the DVR address.
- (4) Port : DVR com. Port.
- (5) Password : Key in the password (default : 111111).
- (6) An icon  will be displayed on bottom of screen when your login is succeed.