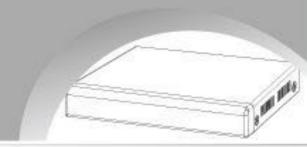
H.264 Digital Video Recorder 4CH/8CH/16CH

V4.2G

USER MANUAL



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Content

Notes:

- The power supply of this DVR is provided through DC12V adapter, please check the power output before installation and ensure it can meet the requirements;
- Do not place the DVR at a place subject to rain and moisture;
- Do not install the DVR at a place subject to violent vibration;
- Do not install the DVR at a place subject to direct sunlight, and be far away from high temperature environment;
- The DVR should be installed in a space without much dust, and the environment should be kept clean and tidy;
- The DVR's back panel should be placed 15cm or more away from other objects or wall for cooling;
- The DVR should work under temperature, humidity and voltage according to its technical specifications;
- The space where DVR is installed should not be stored with corrosive chemicals that may produce volatile gases to avoid affecting the DVR's life;
- Proper grounding should be guaranteed during operation;
- The DVR shall be installed to ensure proper connection with other devices.
- Please buy HDD from official channel to meet DVR's long time and large data reading and writing requirements.

Statement:

- This manual only introduces basic operation.
- Products are subject to the real products and this manual is just for reference.
- Products update without further notice. Nuances of partial functions are permitted before and after updating.
- Please contact the Customer Service Department for the latest program and supplementary instruction files.
- This manual is applicable to various models, and the specific operation of each product is not listed here. Users can operate the DVR based on this manual for the actual products.
- We have tried our best to ensure the completeness and accuracy of this manual. However, due to the unstable environment and other reasons, the real value of some data may differ. If any problem or dispute arises, the company's final explanation will prevail.
- If carrying out operation not according to the instruction of this manual, the user shall bear the losses sustained.

Chapter 1 Overview

1.1 Introduction

This product is a consumer-oriented 4/8/16-channels CIF/Half-D1/D1 real-time network DVR and adopt the industry's most advanced SOC technology and standard H.264 encoding method, so that the image quality is higher, network transmission effect is better and system is more stable; the body is made under stylish appearance design and sophisticated manufacturing process, the 1U standard chassis is suitable for small-scale monitoring places such as shop, supermarket, residential, school, hotel, Internet cafe, family and other civilian sites where require more on video quality, network transmission and real-time playback.

1.2 Main features

- © Standard H.264 video compression format
- © 16-bit true-color semi-transparent graphical menu interface, menu options tip
- O A variety of recording modes: manual, timing, movement and alarm recording
- Optimized four-channel simultaneous playback (single playback for eight-channel ones)
- A variety of backup (USB flash drives, mobile hard disk, network)
- $\ensuremath{\mathbb O}$ One USB2.0 for data backup, one USB2.0 for the mouse operation
- Multi-functional operation, recording, playback, monitor, backup and network transmission can be realized at the same time
- O Dual stream technology
- © Support network to implement multi-screen real-time browsing, parameter setting, copy or playback
- © Support mobile phone monitoring
- Support event classification and precise time search and playback
- O Defaulted parameter value fast recovery
- © Flexible USB interface for mouse

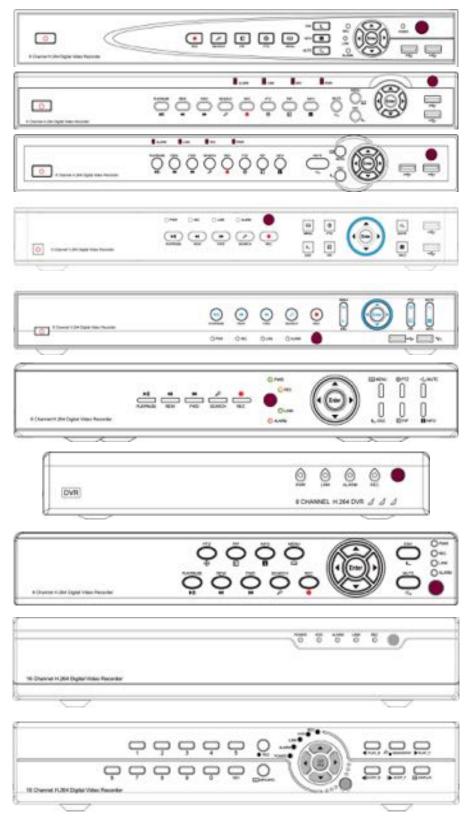
1.3 Technical parameters

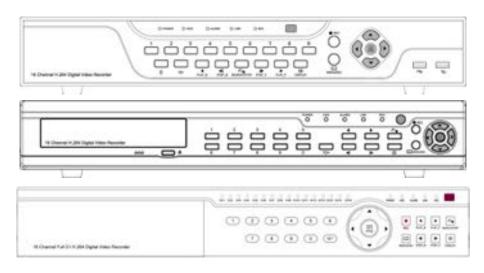
Features	Description
Operating system	Embedded LINUX OS
Video compression	H.264
Video input	4/8/16 channels BNC
Video output	Support BNC, VGA and HDMI
Audio input/output	Without/1/2/4/8-ch input RCA ;without/1-ch output RCA (optional)
Alarm input/output	Without/4/8-ch input (optional);without/1-ch output(optional)
Display	1/4/9/16-channels
Multiplex operation	Live, recording, network, ,mobile phone surveillance simultaneously
Recording mode	Timer/manual/motion detection/alarm
Recording frame rate	PAL: 25fps NTSC: 30fps
Recording quality	Highest, higher, medium, low, lower, lowest
Recording resolution	CIF/Half-D1/D1 frame rate adjustable
Recording playback	1/4/8 /16 channels playback simultaneously(optional)
Recording backup	Support USB flash drives backup, moved hard disk backup, network backup, backup by files, backup by time
Action with Alarm	Support

Email alarm	Send pictures to the designated Email
FTP transmission	Support
PTZ control	Support
PTZ protocol	PELCO-D,PELCO-P etc
PIP	Support
Zoom	Support
HDD	Support 1 SATA HDD, capacity to 4T
Network and protocol	1 RJ-45 10/100M via Ethernet, support TCP/IP、DHCP、DNS、DDNS、 UPNP 、NTP etc
IE browser	Support
Client software	Support
CMS	Support
Dual stream	Support (main and secondary interchange)
Group play	Support five users online access
Multi-language	Support
Mobile phone surveillance	Support windows/symbian/iPhone/blackberry/android operation system
QR code	Support
P2P cloud	Support
DDNS	Support domain name
Mouse interface	USB2.0
Backup interface	USB2.0
Remote controller	Support (Support controller ID matching)
User authority	Support multi-level user authority distribution
Power	DC12V 3A/5A
Working temperature	0℃-50℃
Working humidity	10%-90%

Chapter 2 DVR Introduction

2.1 Front panels





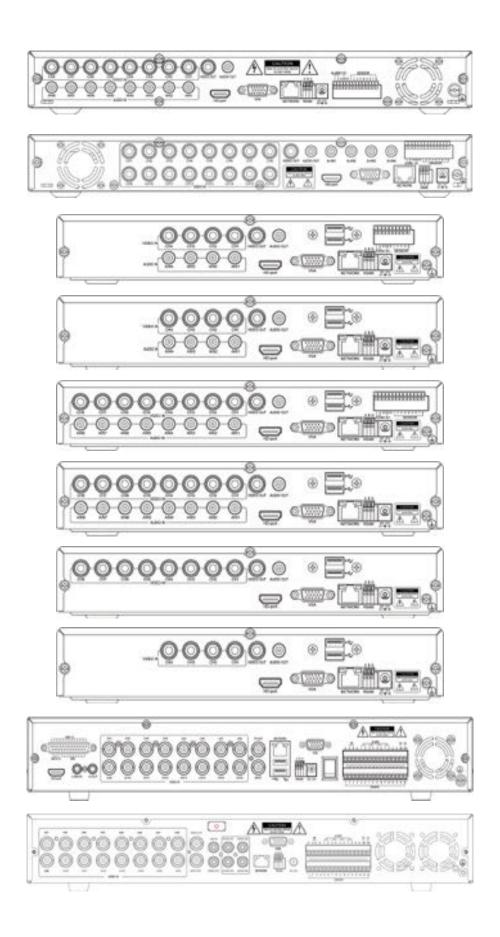
NO.	Tag	Name	Description
1	⊲×	MUTE	Disable the sound output
2	8	INFO	Check the device system information
3	•	PIP	Display live images picture in picture
4	\oplus	PTZ	Call the PTZ camera
5	►II	PLAY / PAUSE	Compound button play and pause
6	4	REW	Rewind
7	δ	SEARCH	Search the video file
8		REC	Start or stop the manual record
9	E	MENU	Enter the main menu(press it 15sec to
			switch VGA and CVBS operation
			menu)
10	t	ESC	Quit
11	•	USB	Connect the USB deceives
12	0	POWER	Power switch button
13		DIRECTION	Move the cursor to right/left/up/down
14	Enter	Enter	Confirm the change(press it 15sec to
			restore factory default)
15		IR Receiver	IR remote receiver window
16	PWR REC LINK ALARM	STATUS	Indicate the running status

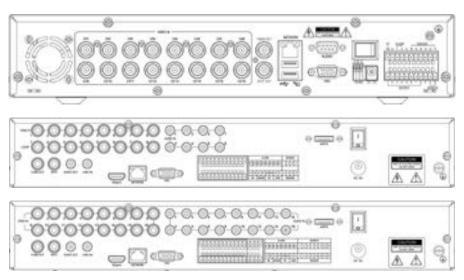
Rear panel and ports

Note: the real production maybe have some difference with this panels below.



2.2





Ports descriptions:

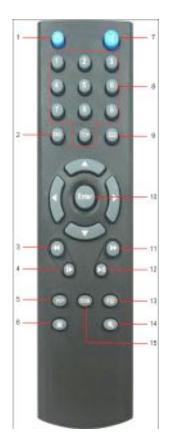
NO.	Name	Description
1	VIDEO IN	BNC connectors for analog video input
2	VIDEO OUT	BNC connector for analog video output
3	AUDIO IN	RCA connectors for analog audio input
4	AUDIO OUT	RCA connector for analog audio output
5	VGA	DB15 for VGA monitor
6	HD-port	To connect the HDMI high definition monitor(optional)
7	NETWORK	RJ-45 connector for Ethernet
8	RS485	To control the PTZ camera($A > +, B > -, G > Ground$)
9	DC 12V	DC 12V power supply
10	ALARM	Alarm output(On-off switch output)
11	SENSOR	Alarm input(On-off switch input)
12	Ð	Ground

Note:

- 1, RS485 A should connect to PTZ data+, B to data-;
- 2, Recommend connecting the DVR housing to ground (PE cable).

2.3 IR remote control

The DVR can be controlled with the IR remote control. Ensure the batteries are installed before using.



NO.	Name	Description
1	POWER OFF	Shutdown the DVR
2	ESC	Quit the menu
3	FAST REWIND	Change the rewind speed
4	SETP	Playback frame by frame
5	PIP	Show video picture in picture
6	RECORD	Start/stop manual record
7	MUTE	Disable the sound
8	NUMBER	Switch the channel
9	MENU	Enter to the menu(press it
		15sec to switch VGA and
		CVBS operation menu)
10	ENTER	Confirm an item (press it 15sec
		to restore factory default)
11	FAST	Change the forward speed
	FORWARD	
12	PLAY / PAUSE	Play and pause when playback
13	PTZ	Move the PTZ camera
14	SEARCH	Playback the video
15	ZOOM	Enlarge the channel image

2.4 Hardware installation

2.4.1 HDD installation

(1)Open the cover of the DVR, fix the HDD into the bracket;.

(2)Connect the HDD data and power cables to the HDD;

(3)Tighten the screws to fix the HDD in the case;

(4)Lock the cover with crews.

Note: Do not plug in or out the HDD when the DVR powered on.

2.4.2 Connection to the camera and monitor

Connecting the signal of camera with a BNC cable to the DVR video input, connect the signal of DVR vide output with a BNC cable to the monitor (Please refer to the back panel figure). Connect the RS485A (+) and the B (-) respectively to corresponding DVR interface with wires, if camera is the PTZ which can be controlled.

Note: Please refer to the electric topology in the last page to connect the devices.

Chapter 3 Basic Operation

Tips:The DVR defaulted display mode is VGA, if user use DVR BNC(CVBS) port for output, please press the front panel "menu" button for about 15s till system switching to BNC display mode automatically, or use VGA output, to access into the DVR system and adjust the screen display resolution too CVBS, then user can operate and control the DVR.

3.1 the Setup Wizard

- 1. Connect the DC 12V output plug to power port on the back panel of the DVR;
- 2. Connect the power supply plug to the outlet;
- 3. Switch on the Power button, (the "Power" light is on);
- 4. After system start up, start the setup Wizard;
- 5. This step you can configure the basic parameters, such as, device name, language, date time ,etc.
- 6. If the DVR will connect to the Internet via a router, the network parameters should be configured.
- 7. In the last step, you should format the HDD if you want save the video files.
- 8. After finished all the steps above and click apply, the DVR will start recording in normal.--End

	-140						
88 4	THREE T		tan Tima		And in the local division of the local divis		
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Bankiller Bankiller			PE 260 0010	-	-	International In	
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Balla Ten Balla Ten P Angela Falser Ball	and and a second		PE 260 0010	-	-	International In	
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And Content	NACES OF CONTRACTORS		PE 260 0010	-	-	TANK DATES OF	
Andrea State	And starts		PE 260 0010	-	-	TANK DATES OF	
Andrea State	And starts		PE 260 0010	-	-	TANK DATES OF	
Andrea State	And starts		PE 260 0010	-	-	TANK DATES OF	
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Andrea State	And starts		PE 260 0010	-	-		
Andia Con Real-Strate In Angeles Radon Radio Real-Strategy	And starts		PE 260 0010	-	-		

3.2 System Login

the factory default user name: admin; password: 0000 0000 (eight Zero)

	LOGIN		
User Name			
admin			
Password			
•			
		Login	Cancel

3.3 Live View

The green icon: means manual record.

The blue icon:means normal record.

The red icon: means sensor alarm record ("S" means the alarm sensor has been triggered).

The yellow icon : means motion detection alarm record (red human figures means the motion detection function is on).



3.4 Live control bar

Just by one right click the mouse, a control bar will pop up on the screen (as following picture shows):



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Main menu: click and enter to the Main Menu;

Split mode: click and select different display mode; it has 1x1,2x2 display mode etc;

PIP: The screen display a main picture, meanwhile, it display a small picture of the others channel at the bottom, (display picture in picture);

Sequence patrol: enable multi-camera auto sequence in Live View mode;

Digital zoom: enlarge the image in selected single channel;

Sound: adjust or disable the audio output;

PTZ: control the PTZ dome camera; set the preset direction , cruise line and track,

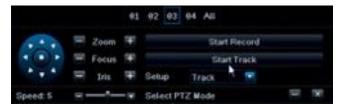
1. Preset point setting: need to move the PTZ camera in setting the preset point, suggest to set 5 or more direction.

					41	02 03	94 All		
r.	٠	2	[]	Zoom	Ŧ	No.	1	14	
			1	Focus	Ŧ	Name	preset001		Preview
.*			D.	Iris	Ŧ	Setup	Preset		Save
Spee	d:	5			-*				= ×

2. Cruise line setting: click "Add", then you can set the residence time on each preset point. Then the PTZ will start to cruise

	•	1	Zoom	Ŧ	Cruise	NULL		Add
•		1	Focus	Ŧ	6	tart Cruise	1.00	Detete
*		I	Iris	Ŧ	Setup	Cruise	141	Save

3. Tracking: Click start record, then click the direction key and select the required rotation path. After it recorded, click Start Track, it will follow the recorded path.



Capture: make a channel screen-shot and save to HDD; and the picture can be search in data retrieval. REC: start / stop recording manually;

Quickly review: start a playback of the record file.

Click **w**, then left click and hold the mouse button and drag, the live control bar can be drag to any position.

3.5 Playback interface



1- Pause: Pause the displaying recording files

2- Stop: Stop the displaying recording files

3- Playback in frame : playback the files in frame after paused.

4- Fast Forward: display the recording files forward at the speed of X1/4, X1/2, X1,X2,X4,X8,X16, etc.

5- Fast rewind: display the recording files rewind at the speed of X1/4, X1/2, X1,X2,X4,X8,X16, etc.

6- Single screen : display by one screen

7- multi-screen: display in multi-screen

8- file type: chose the type of recording file, ie. motion detection, sensor alarm, etc.

9-10: chose the previous or next files

11-digital zoom: zoom partly in the selected channel.

12-color: adjust the color of selected channel.

13- snapshot: capture the picture of the selected channel or all channels, which can be found in the image search.

14- Edit: edit recording files during playback, which can be gotten after saved.

15- save: save the edited recording files.

16-Audio: close or start the voice while playing back.

3.6 Main Menu

Click Menu button and enter, it's including seven function for the DVR: Basic setting, Backup &

Playback, Upgrade & Maintenance, Record & Schedule, Alarm & Schedule, Advanced Setting, and QR & information.

3.6.1 Basic Setting

Basic setting is including 6 options: System, Time, DST, Live, Monitor, and Mask.

3.6.1.1 System

Click System, as following Picture shows, in this window, user can set up the Device Name, and do Video Format, Password Check, show System Time, Startup Wizard, Max online Users, Screen Resolution, Language, Auto Logout setting etc.

	Ba	sic Setting	
0	2	i 🚺	HAND IN THE REAL PROPERTY IN
	Device Name	My DVR	
Time	Video Format	PAL	•
DST	Password Check		
	Show System Time	<i>s</i>	
Live	Startup Wizard	2	
Monitor	Max Online Users	9	
Mask	Screen Resolution	1024X768 (4:3)	
mash	Language	English	
	Auto Logout	Never	
	Auto maintenance cycle	Never	
	Auto maintenance time	00 : 00 : 00	
		De	fault Apply

The following are the Names and definitions:

Device Name: The system name shows in the Client Software or CMS.

Video Format : Two kind of Format: Pal and NTSC. User can select it according to the recorder.

Password Check: When apply this function, the user need to type in the User name and Password to do system setting operations.

show System Time: To select whether display live Time tamp on screen

Startup Wizard: Click and it will shows the related information of the Wizard.

Max online Users: set up the Max quantity of online user.

Screen Resolution: The resolution of the live view. Optional: VGA800*600 、VGA1024*768 、VGA1280*1024 and HDMI(1920*1080).

Tips:Please connect to relevant Device to control, while switch between the BNC and HDMI

Language: Select the Menu language

Screen Saver (S): User can set the time interval of the screen saver (30s,60s,180s,300s),

If there is no operation ,the system will auto logout and back to login.

3.6.1.2 Time

In this window, user can set up and adjust the system Date, System Time, Time zone. The factory default is GMT timezone, Please select the right timezone in the drop-down column (for example:China GMT+8:00).

System	System Time	14:27:51	
Time	System Date	05 / 15 / 2014	
DST N		Save Now	
Det	Time Format	24 Hour	1
Live	Date Format	MM-DD-YY	
Monitor	Time Zone	[UTC+8:00]Beijing, Hong Kong, Taipel	
Mask	Auto Sync	1	
mash	NTP Server	time.windows.com	
		Update Now	
	Position	Setting	
	Color	Orange	1

Click"Default", the system will restore default setting; Click"Apply", it will save the setting above.

3.6.1.3 DST

In DST window, select DST, Time offset, Mode, from Month/Week/Date/Time etc.

Click "Default", the system will restore default setting; Click "Apply", it will save the setting above .

	Basi	c Setting	
0	0	R 💽	No. of Concession, Name
System	Daylight Saving Time		
Time	Time Offset	1 Hour	
	Mode	👝 Week 💮 🖸	Pate
100	From	January	I*
Live		The 1st	
Monitor		Sunday	
Mask		00:00:00	
	Undi	January	
		The 1st	
		Sunday	
		00:00:00	

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3.6.1.4 Live

Click "Live" and enter the setting window like Picture :

Click Channel name, a virtual keyboard will pop up. Click "Shift", it can switch the input state between Capital letter and Chinese, user can rename the Channel.

Click and select the channels in Live interface, then click "Setting", it will enter "Image Adjust" interface:

User can adjust the Brightness, Hue, Saturation, and Contrast;

Click "Default" it will restore factory default settings.

Click "OK" and save the setting above.

User can set the same color parameters to all Channels at once, just by clicking "ALL", enter and do the settings.

Click "Default", system will restore factory default setting; click "Apply", it will save the setting above.

6					0	19 P	1
9	L				10	8.	1
System	GH	Camera Name	Show	Image adjust	Position	Color	
Time	1	CH01	1	Setting	Setting	White	F
DST	2	CH02	1	Setting	Setting	White	F
DST	2	СНез	1	Setting	Setting	White	
	4	CH84	~	Setting	Setting	White	
Monitor R							
Mask							
	A11			Setting	Setting		

Image Adjust:

1	
Brightness	119
	- Ŧ
Hue	140
	- =
Saturation	124
	- Ŧ
Contrast	151
-	- (#)
Defau	lt.

3.6.1.5 Monitor

Display Mode options : Single

SEQ Time (Second): Live view switching interval from channel to next channel

			Basic Setting				×
0	3				0~	10	NAME OF COLUMN
System			Display Mode	Single			1/4
Time							
DST							
Live							
Montor							
Mask			CH 1	×			
			SEQ Time	6 Second	F		F
	Set current gro	oup display chan	ness.			Default	Apply

3.6.1.6 Mask

Mask: User can mask at most three area in live view pictures.

Mask Area Settings: Click "Setting", enter live view picture, left click and hold the Mouse button and drag the mask area, as the picture shows below, Click "Apply" and save the setting.

_		Basic	Setting	
0	0	•	2	
System	GH	Mask Area	Mask Area Clear	
Time	1	Setting	Clear	
DST	2	Setting	Clear	
		Setting	Clear	
Live	4	Setting	Clear	
Monitor				
Mash				
			Defat	alt Apply

Mask Area Setting



3.6.2 Backup & Playback

3.6.2.1 Playback

System support Playback By Time, By Even, By File, and Image. Click and enter data retrieval.

By Time

First Step:Click Payback \rightarrow By Time , as following Picture shows:

Second Step: select the Channel and display mode, the highlighting date in calendar means it has record.

Third Step: Select the date you want to playback, click "Search", elect the start time and click I button to start playback. The selected Time-sheets will shows in blue.

Note: The Rows are Hours , the Columns are Channels.

When the monitor resolution is set to VGA800*600, the time the search interface will show

a hide button, click the button can be expanded.

Backup & Playback	×
	Section 200
Playback By Tame: By Event By File Image Backup Image Disk Image Disk Image 00:00 04:00 08:00 10:00 1 1 2 1 3 1	Search 2014 5 50 M0 Tu We In Fr 5a 1 2 3 4 5 6 7 1 9 10 11 12 13 14 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 ✓ ✓ 1 ✓ 2 ✓ 3 ✓ 4

By Event

First Step:Click Payback By Time , as following Picture shows:

Second Step:Click "Search", the event information will be displayed in the event list box, double click the event file to playback.

Third Step: User can select the date, channel, click "Motion", "Sensor" or "All" to search.

9	10		\bigcirc	3		0,0	2				
Playback	By 11	me By I	ent By File Image							Se	arc
Backup	CH	Type	Start Time	EndTime	201	4		•			1
Disk	1	4	05/15/2014 14:02:47	05/15/2014 14:28:44	50	Mo	Tu l	We	Th		R.
areas.	1	4	05/15/2014 11:23:52	05/15/2014 11:26:40							3
	1	4	05/15/2014 11:11:33	05/15/2014 11:13:49	4			E.	8		16
	1	4	05/15/2014 11:00:49	05/15/2014 11:11:33	11	12	13	14	64	16	13
	1	4	05/15/2014 10:50:05	05/15/2014 11:00:49	18	19	20	21	22	23	24
	1	4	05/15/2014 10:39:21	05/15/2014 10:50:05	26	.26	27	28	29	30	31
	1	-4	05/15/2014 10:28:37	05/15/2014 10:39:21							
	1	.4	05/15/2014 10:17:54	05/15/2014 10:28:37	-	1	-	2	v 3	~	4
	1	4	05/15/2014 10:07:10	05/15/2014 10:17:54							
	1	.4	05/15/2014 09:56:26	05/15/2014 10:07:10							
	1	4	05/15/2014 09:45:43	05/15/2014 09:56:26							
	1	4	05/15/2014 09:34:59	05/15/2014 09:45:43							
	1	4	05/15/2014 09:24:16	05/15/2014 09:34:59							
	1	4	05/15/2014 09:13:32	05/15/2014 09:24:16							
	1/19			HAPH							
	Me	stion	- Sensor	🗸 Ali							

User Manual for Embedded DVR

By File

First Step:Click "Search", the event information will be displayed in the file list box. User also can select the date, channel to search.

Second Step: Click "All", user can backup all the selected file.

Third Step: Double click the file to playback.

	Backup & Playback	
0		
Playback.	By Time By Event By File Image	and the second s
Backup	CH StartTime EndTime	2014 🐨 5 🐨
Disk	1 05/15/2014 14:02:47 05/15/2014 14:28:05 W	Su Mo Tu We Th Fr. Sa
	1 05/15/2014 11:23:52 05/15/2014 11:26:40	1 2 3
	1 05/15/2014 11:11:33 05/15/2014 11:13:49	4 5 6 7 8 9 10
	1 05/15/2014 11:00:49 05/15/2014 11:11:33	11 12 13 14 32 16 17
	1 05/15/2014 10:50:05 05/15/2014 11:00:49	18 19 28 21 22 23 24
	1 05/15/2014 10:39:21 05/15/2014 10:50:05	25 26 27 28 29 30 31
	1 05/15/2014 10:28:37 05/15/2014 10:39:21	
	1 05/15/2014 10:17:54 05/15/2014 10:28:37	1 11 12 13 14
	1 05/15/2014 10:07:10 05/15/2014 10:17:54	
	1 05/15/2014 09:56:26 05/15/2014 10:07:10	
	1 05/15/2014 09:45:43 05/15/2014 09:58:26	
	1 05/15/2014 09:34:59 05/15/2014 09:45:43	
	1 05/15/2014 09:24:16 05/15/2014 09:34:59	
	1 05/15/2014 09:13:32 05/15/2014 09:24:16	
	1/19 ALL 14 14 14 14	
	Backup Type:1-Sensor 2-Motion 3-Manual 4-Schedule	

By Image: User can do live capture by selecting time and channel, and can do the operation like delete, lock, save to the images. Click the direction key to view the images. The system default image storage is 2000, if over 2000, system will auto cover the old image. Double click the image to playback the record.



3.6.2.2 Backup

System support backup the file by USB Device , and remote backup by Internet

First Step: Insert the USB storage device, and enter the data backup interface, as picture shows below:

Second Step: Select the Start Time and End Time, the Channel, click "Search", the data information will be displayed in the list box

Third Step: Click one data or click "All"to select, then click "Backup", an Backup Information Window will pop up.

Forth Step: In Backup Information window, user can check the file information. Select the Storage Media ,Save file Type, click "Start" to start backup.

Note:When the monitor resolution is set to VGA800*600, the backup interface will show a hide button, click the button can be expanded.

		Back	p & Playback		
0	0			0.0	Borrie Faund
Playback.	CH	StartTime		Start Time	96 / 15 / 2014 🛍
Backup	1	05/15/2014 14:02:47	05/15/2014 14:28:28		00 : 00 : 00
and choose	1	05/15/2014 11:23:52	05/15/2014 11:26:40	EndTime	05 / 15 / 2014
Disk.	1	05/15/2014 11:11:33	05/15/2014 11:13:49	Lind Failes	and a state of the
	1	05/15/2014 11:00:49	05/15/2014 11:11:33		23 : 59 : 59
	1 1	05/15/2014 10:50:05	05/15/2014 11:00:49	Channel Se	elect
	1 1	05/15/2014 10:39:21	05/15/2014 10:50:05	1 11	12 13 14
	1 1	05/15/2014 10:28:37	05/15/2014 10:39:21		
	1 1	05/15/2014 10:17:54	05/15/2014 10:28:37		
	1	05/15/2014 10:07:10	06/16/2014 10:17:64		
	1	05/15/2014 09:56:26	05/15/2014 10:07:10		
	1 1	05/15/2014 09:45:43	05/15/2014 09:56:26		
	1 1	05/15/2014 09:34:59	05/15/2014 09:45:43		
	1 1	05/15/2014 09:24:16	05/15/2014 09:34:59		
	1 1	05/15/2014 09:13:32	05/15/2014 09:24:16		
	1	05/15/2014 09:02:48	05/15/2014 09:13:32		
	1	05/15/2014 08:52:04	05/15/2014 09:02:48		*
	1/17	All 🗸	HAPH		
	1/17	Alt 🗸	H A P H	в	ackup Se

Select the file and click "Backup", will pop up a window as picture shows below, User can check the size of selected files and select backup format of the record file, like: H.264 (with Media play, recommended backup format), AVI, WAVE (Audio format).

During backup, a backup Progress Meter displays the files being backup and the progress. Due to the frame rate, the AVI format file sometimes has fast forward situation during playback. we will optimize this situation

Notice: Pls use computer to format the Removable Hard drive (FAT32 format) before backup the files. The DVR doesn't support Removable HDD formatting.

	BACKUP INFORMATION	
The Number Of Files		
Size[GB]	0.133	
Storage Media	USB-1	T
Free[GB]	6.676	
Backup Player	1	
Save File Type	H264	10
	H264	
	AVI	
	WAVE	
	0%	
		Start Cancel
		Garicei

3.6.2.3 Disk

Here you can see the state of the connected Hard Disk and U disk, and do the formatting operation.

			.B1	ackup & Pl	ayback.			
0	3	C	3				0	Both Both Both Both Both Both Both Both
Playback	10	Type	Size(Gi	l) Free(GE	Status	Propertie		Sources
Backup	01 =	STANK	4884(1))		Remetti	RW		Licentif.
Disk	82	USB	7.22	7.19	Normal	RW		Local
	Print last							
	Disk info					Refre	sh	Apply Forma

3.6.3 Upgrade & Maintenance

3.6.3.1 Upgrade

Simple upgrading procedures:

- 1. format the U-disk (FAT32)/ or empty the U-disk
- 2. Unzip the zip file
- 3. Put all the firmware file without folder into U-disk.
- 4. insert the U-disk into DVR
- 5. power off the DVR
- 6. power on the DVR & restart
- 7. then the DVR will Auto Detect the firmware and upgrade the DVR.
- P.S: while the DVR upgrading pls don't turn off the DVR, it takes few minute.

	Upgrade &	Maintenance		
0	3			State
Upgrade	USB-1 Revoluse			
IMP/EXP	Name		Туре	Date Modified
-	master_kernel.img	1584KB	File	05/15/2014 01:41:28
Maintain	master_rootfs_h.img	12229KB	File	05/15/2014 01:41:40
Help	slave_boot_h.img	56KB	File	05/15/2014 01:41:46
	stave_kernel.img	958KB	File	05/15/2014 01:41:52
	slave_rootfs_h.img	3548KB	File	05/15/2014 01:42:00
	DVR_ENV_H.bin	1KB	File	05/15/2014 01:41:10
	first_boot_h.img	476KB	File	05/15/2014 01:41:20
	master_boot_h.img	315KB	File	05/15/2014 01:41:24
	1/1			না বা চা চা
				Upgrade

3.6.3.2 Import / Export

User can export the Data to USB storage device for backup. and import the Data from USB storage device to DVR.

	Upgrade & Ma	intenance		
0	e			C.C.
Upgrade	USB-1 Read USB			
	Name		Туре	Date Modified
Maintain	* master_kernel.img	1584KB	File	05/15/2014 01:41:28
Mancan	master_rootfs_h.img	12229KB	File	05/15/2014 01:41:40
Help	slave_boot_himg	56KB	File	05/15/2014 01:41:46
	slave_kernel.img	958KB	File	05/15/2014 01:41:52
	slave_rootfs_h.img	3548KB	File	05/15/2014 01:42:00
	DVR_ENV_H.bin	1K8	File	05/15/2014 01:41:16
	first_boot_h.img	476KB	File	05/15/2014 01:41:20
	master_boot_h.img	315KB	File	05/15/2014 01:41:24
	1/1			HEND
				Import Export

3.6.3.3 Maintenance

Including Factory setting, Logout and Shut Down.

	Ú	pgrade &Maintena	ince			×
0	3			0	Bard B	
Upgrade	Factory Settings					
IMP/EXP	Logout					
Maintain	Shut Down					
Help						

3.6.4 Record & Schedule

3.6.4.1 Record

Click "Record", will shows as following Picture:

		Re	cord & Schedule	
0	0			NAME OF COLUMN
Record	Enable	Record Bitrate Time	Overlay Recycle Record	
Schedule	CH.	Record		
Sub-Stream	1	1	1	
	2	1	~	
	3	1	1	
	4	1	2	
	A11			
				Default Apply
				Default Apply

Enable: Click "Record", "Audio" of the Channel, or Click "All" to do the same setting. **Record Bit rate:** User can select the Resolution, fps, Encode, Quality, and Max Bitrate, and do the same setting to all channels by clicking "All". Click "Default", system will restore the default settings; click "Apply", it will save the setting above.

Note: If the fps setting is over than the Max resources, the fps will be auto adjusted.

			0 :00	Non Non
cesyste I	Record			
Distance share of	Quality		Max Bitrate	
1	Higher		1536 kbps	•
	Higher	٠	1536 kbps	1
	Higher		1636 kbps	
-	Higher	÷	1536 kbps	1
IF				
	Higher		1536 kbps	
c	°CIF			

Note: The Record file Size is depending on the bitrate, the bigger the bitrate is, the more

memory storage it needs.

bitrate	each ch/hour	each ch/day
256Kbs	112M	2688 M
384Kbs	168M	4032M
512Kbs	224M	5376M
768Kbs(CIF)	336M	8064 H
1024Kbs(HD1/WCIF)	448M	10752M
1280Kbs(WHD1)	560M	13440M
1536Kbs(D1)	772M	18528M
1792Kbs(WD1)	784M	18816M
2048Kbs(720P)	996M	23904H

Time:

1. **Pre Record Time:** The record length before the event, such as before Motion detection, Alarm event etc.

2. **Post Record:**The record length after Alarm,Optional time length:

10/15/20/30/60/120/180/300 second;

3. **Expired:** The effective period of preservation for the record file, When it beyond the setting time, the record file will be auto deleted.

		Re	cord &	Schedule			
0	10				0.22	2	House and the second
Record	Loa	ble Record Ultrate Ling	Over	Lay Recycle Record			
Schedule	СН	Pre Record Time		Post Record Time		Expired	
Sub-Stream	1	30 Second		38 Second		Never	
	2	30 Second	Ŧ	39 Second		Never	
		38 Second		38 Second		Never	T.
	4	30 Second		30 Second	•	Never	
	AII						
		38 Second		38 Second		Never	t Apply

Overlay: The Camera Name and the Time Stamp on the Live view pictures.

Click Camera Name, Time Stamp, "Setting", In live view, user can drag the Camera Name and Time Stamp to any place, as picture shows below:

User can do the same Time Stamp setting to all Channel at once, just by clicking "All" and enter to set the place.

Click "Default", system will restore the default settings; click "Apply", it will save the setting above.

Record	Enab	Le Record Bitrate Tim	e Chellay Recycle Re	cord
Schedule	ĊН	Gamera Name	Time Stamp	
ub-Stream	1	1	1	Setting
	2	1	~	Setting
		1	1	Setting
	4	1	~	Setting
	All			
				Setting
				Default App
	04/29/201	10 16:04:40		

Recycle Record: Click "Recycle Record", when the HDD is full, DVR will keep recording and auto cover the old record file.

Click "Default", system will restore the default settings; click "Apply", it will save the setting above.

	-1	lecord & Schedule	×
0	3		
Record	Enable Record Bitrate Tin	e Overlay Recycle Record	
Schedule	Recycle Record	× 1	
Sub-Stream			
			Default Apply

3.6.4.2 Schedule

Schedule: the row lines means the seven days a week, and the columns means the 24 hours a day, User can set the time by dragging the mouse, the blue area means selected, the gray area means unselected.

Select the Channel, double left click the mouse,and edit the weekly plan, as the picture below, Click "Add"to add the record schedule of that day; Click "Delete"to delete the selected schedule.

Note: Left click the mouse to drag the time period can quick add the schedule Copy: 1.

1.User can copy the appointed date schedule to the other days. Click " Apply" and save the setting above.

2.User also can apply one channel's setting to another channel or all channels, just select the channel and click "Copy"to apply. Click " Default", system will restore the default settings; click "Apply", it will save the setting above.

			Record &	Schedule				×
0	3	T				• 2		
Record	Schedule	otion Sense	x					
Schedule	Channel	1	1	😸 Add	Dele	te	Advance	
Sub-Stream		00:00	04:00	08:00	12:00	16:00	20:00	
	Sunday							
	Monday							
	Tuesday							
	Wednesday							
	Thursday							
	Friday							
	Saturday							
	Apply Setting	χsΤο Aµ	r c	hannel	Сору			
	Add or delete	the period in t	he table			De	alult App	dy.

Motion : it's the same setting way as Time Record, for more information, please refer to Time record above.

Note: The Motion schedule default setting is all selected ,and it shows in yellow.

			Record 8	Schedule			×
0	0	G	6			10	
Record	Schedule	Not in Ser	nsor				
Schedule	Channel	1	- (*)	add 🍯	Delete	Adva	nce
Sub-Stream		00:00	04:00	08:00	12:00	16:00 2	0:00
	Sunday Monday Tuesday Wednesday Thursday Friday Saturday Apply Setting			Channel	Сору		
	Add or delete	the period i	in the table			Default	Apply

Sensor : it's the same setting way as Time Record, for more information, please refer to Time record above.

Note: The Motion default schedule is all selected ,and it shows in Red.

			Record &	Schedule			
0	3	0				0:0	No. of the local division of the local divis
Record	Schedule M	lotion Stin					
Schedule	Channel	1	-	add 🕘	Dele	te	Advance
Sub-Stream		00:00	64:00	08:00	12:00	16:00	20:00
	Sunday				and the first	Internet Provide	
	Monday						
	Tuesday						
	Wednesday						
	Thursday						
	Friday						
	Saturday						
	Apply Setting	ISTO ALL	P C	hannel.	Сору		
	Add or delete t	the period in	the table			De	efault Apply

Advance Setting: User can set the actual date and time .

					SCHEDULE			
Week Days	Gundag					Apply Dettings	Te NE	Den Com
liten lanc Bitel					4144 Taxa -2254			
DiariTe	H							
Hour a		Winner						
End Ten Hour 2		Minute	10	-				
			4					
100	Delete							DR Left

3.6.4.3 Sub-Stream

user can adjust the resolution,fps.encode,quality and max bitrate setting to a singlechannel,or click"ALL" to adjust the setting to all channels.

Click"Default",system will restore the default setting ,click"Apply",it will set above **Note:**after select the resolution and fps,system will shows the remaining CIF fps

				Ri	beore	18 Schedul					
9	ĕ	3)				C		0.2		Partie
Record	CH.							Quality		Max Elitrate	
Schedule	1	CIF		3		CBR		Higher		128 kbps	
Sub Stream in	2	CIF		3		CBR	Ŧ	Higher		128 kbps	
Sub-Stream		CIF	•	3		CBR		Higher		128 kbps	
	4	CIF	۳	3	•	CBR		Higher	•	128 kbps	1
	All	Remain	ing	12*CI	F						
		CIF	۲	3		CBR	2	Higher		128 kbps	
										Default	Apply

3.6.5 Alarm & Schedule

It includes 5 sub-manus Motion, Loss, Sensor, Other , and Output.

3.6.5.1 Motion

It includes 2 sub-manus: Motion and Motion Schedule

Motion: Enable the Motion Alarm, Set the Alarm Continue Time, Action and Area.

			Alarm & Scho	dute		
0	0	C				
Motori	Motio	Motion Sch	redute			
Loss	CH	Enable	Continue Time			
Sensor	1		18 Second		Setting	Setting
Other	2		10 Second	Ŧ	Setting	Setting
Other	3		18 Second		Setting	Setting
Output	4		18 Second		Setting	Setting
	4					
			10 Second			
						Default App

Click "All", "Enable" to enable motion alarm to all channel, or select the needed Channel Continue Time: After the Motion, the continue record time length, it can be set according requirements.

Action: Click and pop up the following window as below:

			ACTI	N - Channel 1	
Alum To Res	ord To P.	1-2			
Buzzer				1	
Show Full Scr	een			None 💌	
To Alarm Out				1	
Email					
FTP					
Snapshot					
1	= 2	3	H 4		
					OK Exit

Buzzer: Click "Buzzer", it will buzzer while it detect the motion

Show Full Screen: A full screen will pop up while it detect the motion

To Alarm Out: Click, and it will enable sense the motion.. Click "OK", it will save the setting above. Click "Exit"to exit the window.

E-mail: Click, when the alarm is triggered, the system will send the alarm information to the specified E-mail, such as Event, capture, device name, device ID etc.

FTP: Build a FTP sever in LAN PC, when it has motion alarm, system will send the Snapshot to computer specify Directory

Snapshot : Select the Channel, when it has alarm event, system will auto save the snapshot to HDD, if "E-mail" is clicked, it will send the Snapshot to the specified E-mail ID or FTP Sever.

To Record: Click the need Channel and "OK" to save the setting above,. Click"Exit" to exit the current interface.

					ACTION -	Channel 1			
ALan	n To Rec	ord To P.	1-2						
	1	2	B 3	4					
		۸.							
Torec	ord							ок	Ext

To P.T.Z:Set the Alarm Type and No., when there is alarm event, the PTZ Camera will record the event at the alarm point at the first time.

Click "OK" to save the setting above, click "Exit" to exit the current interface..

User can apply the same setting parameters to all channels, just by clicking "All",enter to "Alarm Handling".

		ACTION - Channel 1	
ALarm	To Record To P.1.2		
CH.	Туре		
1	No		1
2	No		F
3	No		F
4	No		

اووج و و و و و	
يولوني ويتوجد	
Levelady 6 =	Denaburg: 0 =

Motion Area Setting: Click "Area", a window will pop up, as the picture below Set the sensitivity level(1-8), default level is 4, the higher the value is , the greater the

sensitivity. Click 🚺 to select all area as Motion Detection Area,; Click 📓 to delete

all selected Area,; Click 🚺 to the sensitivity level; Click 🔝 to save the settings; Click

to exit the current window.

Motion Schedule: it's the same setting way as Time Record, for more information, please refer to Time record above.

Note: If you only set motion detecting ,plz enter the recording schedule and detele the normally recording schedule, Only in this way, when you do not trigger the motion detecting and there doesn't have a video file.

			Alarm &	Schedule			
9	joj	6) (0	and the second
Motion	Motion Me	stiun Sche	oure				
Loss	Channel	1		add 😸	Dele	ste .	Advance
Sensor		00:04	04:00	68:00	12:00	16:00	20:00
Other	Sunday Monday						
Output	Tuesday Wednesda						
	Thursday						
	Friday Saturday						
	Apply Setti	ngs To 🔥	u 💌 (Channel	Сору		
	Set holding t	ime				De	fault Ap;

3.6.5.2 Loss

			Alarm & Sched	AC.			×
0	0				****	Racial Control of Cont	
Motion		Colores and the					
1060	1	Action					
Sensor		Action					
Other	4	Action					
Output							
					Def	ault Apply	

Click "Action", it will pop up the window as below:

		ACTION	Channel	1		
Alarm To P.T.Z						
Buzzer						
Show Full Screen			None	1		
To Alarm Out	N		1 1			
Email						
FTP						
Snapshot						
1 2	: 3	4				
					ОК	EXT

The trigger setting of "The Alarm" and "To PTZ" in Video lost are the same as in motion detection. User can apply the same parameters of video lost to all Channels by clicking "All" for corresponding setting. "Default" means recover default setting;

"Apply" means save above setting.

3.6.5.3 Sensor Alarm

Sensor alarm includes 3 sub-menu : Basic, alarm handling, Sensor Schedule.

Basic:enable sensor alarm channel, chose alarm type according to alarm trigger type : "NO" or "NC"

User can apply the same alarm type parameters to all channels by clicking "ALL".

"Default" means restore factory setting, and "Apply" means saves setup above.

			Alarm &	Schedule		
9	0	6			0.0	No. No.
Motion	Basic	ALarm Hand	ing Sensor Sch	sedule		
Loss	ĞН	Enable	Туре			
	1		NO			
R.	2		NO			
Other			NO			
Output	4		NO	1		
	All					
			NO			
					D	stault Apply

Alarm handling : chose the alarm continue time, and lick "Action"

		Alarm & t	Schedule	
0	0	T		
Motion	Basic	Alarm Handling Sensor Sch	edule	
Loss	ĊН	Continue Time		Action
Sensor-	1	10 Second		Setting
	2	10 Second	(F)	Setting
Other	3	10 Second	1	Setting
Output	4	10 Second		Setting
	All			
		10		Setting
				Default App

Buzzer: when event triggered, Buzzer will work.

Show Full Screen: A full screen will pop up while it's triggered.

To Alarm Out: The alarm will be triggered to the appointed alarm output.

Email:If alarm triggered, the relevant information, like alarm event, captured pictures, device name, device ID, etc will be send to appointed email box.

FTP:Build a FTP sever in LAN PC, when it has motion alarm, system will send the Snapshot to computer specify Directory

Snapshot::Select the Channel, when it has alarm event, system will auto save the snapshot to HDD, if "E-mail" is clicked, it will send the Snapshot to the specified E-mail ID or FTP Sever.

To Record To P.T.2	
hurzer	1
ihow Full Screen	None
o Alam Out	H 1
mail.	
TP	
inapshot	
1 1 2 3 4	

To Record:Select the Channel and click "OK" to save the setting above,. Click "Exit" to exit the current interface.

To P.T.Z:Same setting method as Motion part.

Sensor Schedule:The Sensor Schedule Setting way is most the same as Time Record, Please refer to the Record Schedule

			Alarm & S	Schedule			
2	0	0				• (0)	BANK STREET
Motion	Basic Alarmi	Handling	Sensor Skh	odutie			
Loss	Channel		1	Add	Delet		Advance
Sensor		00:00	04:00	88:00	12:00	16:00	20:00
Other	Sunday Monday						
Output	Tuesday Wednesday						
	Thursday						
	Friday Saturday						
	Apply Settings	To All	r c	hannel	Copy		
						De	fault App

Note: The Sensor record schedule default setting is all selected ,and it shows in blue.

3.6.5.4 Other

The "Disk Full" in Alarm type means if the disk capacity is less than the set of Disk Shortage Alarm, relevant prompt will be shown at the bottom right of screen; IP confliction means when 2 or more than 2 PC share the same IP address in the same network segment, alarm will work after setting up the buzzer alarm and trigger alarm; Select "Disconnect"---Click "Buzzer" or "Trigger", The system will buzzer or send the relevant alarm tips while the internet disconnect.

Select "Connection Problem", user can do Buzzer, E-mail and Alarm Trigger setting. When the HDD is disconnected, the alarm will be triggered. Click "Default", the system will restore the factory setting,;click "Apply" it will save the setting above.

		Alam	& Schedule
0		1	
Motion		Alarm Type	Disk Full
Loss		Disk Shortage Alarm	128 MB
Sensor		Action	
	-	Buzzer	
Output		Email	
		To Alarm Out	1
			Default App

3.6.5.5 Output

Sensor alarm includes 3 sub-menu : Relays, Alarm out Schedule, Buzzer.

Relays: In this column, set the "Alarm out name", and select the Alarm Continue Time (means the time intervals between two alarm action), user can apply the same alarm setting to all the channel by clicking "All".

Click "Default", the system will restore the factory setting,;click "Apply" it will save the setting above.

		Alarm & Sc	hedule	
0	3	T	(Note .
Motion	Relays	Alum Out Schedule Buzzer		
Loss	ĊН	Relays Name	Continue Time	
Sensor	1	ALARM OUT 1	10 Second	
Other				
Output				
1				
	All			
			10 Second	
			De	fault App

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Alarm out Schedule: Alarm out Schedule Setting way is most the same as Time Record, please refer to the Record Schedule

Note: The Alarm Out Schedule default setting is all selected ,and it shows in blue.

			Alarm & S	Schedule				×
0	3	O				*	BANK CONTRACT	
Motion	Relays A		hedule Buzze	1				
Loss	Channel	1	141	Add	Delet	e 🦷	Advance	
Sensor		00:00	04:00	08:00	12:00	16:00	20:00	
Other	Sunday Monday							
Output	Tuesday Wednesda	w						
	Thursday Friday							
	Saturday							
	Apply Setti	ngs To All	n c	hannel	Сору			
						Def	ault App	pty

Buzzer: In this interface, click :"Buzzer", and select the "Continue Time"

Ala	rm & Schedule	*
1	i 💽	Bird Bird
Relays Alarm Out Schedule	Buller	
Buzzer		
Continue Time	10 Second	
		Default Apply
	Relays: Alarm Out Schedule Buzzer	

Note: The "Buzzer" must be clicked, or otherwise it won't buzzer.

3.6.6 Advanced Setting

It includes 7 sub-manus: Network, E-mail, DDNS, FTP, PTZ, User Admin, and Block / Allow List.

Network

HTTP Port: Default port: 80, if it is changed, when using IE browser to do remote surveillance, need to add new port after the IP address. For example: if you reset as 7840, you need to type http://192.168.2.133:7804 instead of http://192.168.2.133.

Media Port: for CMS,, Mobile App, default setting : 9000

UPNP:Click "UPNP" and enable the function, user can visit the DVR through WAN (Manual port forwarding is suggested.)

Network Type: Including :STATIC, DHCP, PPPOE, and 3G.

If select STATIC, it need to set IP address, Subnet Mask, Gateway, preferred DNS Server and Alternate DNS Server.

Note: The DVR and the router must in the same network. For example: The Router IP is 192.168.1.1, then the DVR IP must be 192.168.1.xxx, the Gateway is 192.168.1.1.

If select DHCP, The device will automatic dispose and set the IP address, Subnet Mask, Gateway, preferred DNS Server and Alternate DNS Server etc.

If select PPPoE, user need to enter Broadband or dial-up user name and password, save and restart the system, DVR will will auto obtain an IP address.

If select 3G, user need to enter the 3G type (CDMA2000 or WCDMA), save and restart the system, DVR will will auto obtain an IP address.

	1	waranced Setting	
0	3	Image: Second	Rooting Passed
Network	Web Port	00	
Email	Media Port	9000	
DDNS	UPNP	×	
		Test	
FTP	Network Type	DHCP	•
P.T.Z			
User		Test	
Block List			
			Default Apply

E-mail

SMTP Server/ Port: you can find out E-mail SMTP port in the internet Click "SSL Check", enable to set the E-mail SMTP server (Like Gmail).

Send Address/ Password: Sender's E-mail ID and password.

Receive Address: user can enter three different E-mail Address.

Click "Test"to verify E-mail.

Number of snapshot: Click and enable to send the the snapshot as attached file by E-mail. **Snap Time interval:** Set the Time Interval between two snapshot.

Network	SMTP Server	smtp.gmail.com	
Email	Port	25	
DDNS	SSL Check		
	Send Address	abc@gmail.com	
FTP	Password		
P.T.Z	Receive Address1	xyz@gmail.com	
User	Receive Address2		
	Receive Address3		
Block List		Test	
	Number of Snapshots	None	19
	Snap Time Interval	2 Second	

DDNS: User can set the WANIP address , ORAY , 3322 IP and Domain Name etc.

Click "DDNS", and select the recommended DDNS Type: leadingdvr.com, the device will auto obtain an Domain Name, User also can use the other Domain Name, but it need to register on the website .

Note:When visiting by Domain Name, User need to do port forwarding setting in router, and do HTTP and server port mapping., or enable the DMZ host in the router, and the IP as the DVR IP address.

	Ad	vanced Setting	×
9	3	Section 1 Section	Rotes -
Network	DDNS	~	
Email	DDNS Type	Leadingdvr.com	
	Domain Name	b58a1d91.leadingdvr.com	
FTP	Update Interval	3 X 60 Second	1
P.T.Z		Test	
User			
Block List			
		Default	Apply

Note:when you use the DDNS:leadingdvr.com,pls change your PC DNS like this:

eneral	
	d automatically if your network supports need to ask your network administrator
Obtain an IP address auto	matically
() Use the following IP addre	55:
IP address:	192 . 168 . 1 . 59
Subnet mask:	255.255.255.0
Default gateway:	192.168.1.1
Obtain DNS server address	s automatically
Use the following DNS server	
Rieferred DNS server:	8.8.8.8
Alternate DNS server:	
Validate settings upon exi	t Advanced

FTP: this function is similar to the SMTP Server, build a FTP server by LAN computer, set user name and password. Add computer LAN IP address, Port in the DVR, and set the Remote Directory, after setting, then the snapshot can be sent to specify Catalog in computer

_		ced Setting	
9	e		
Network.	FTP	~	
Email	FTP Server	192.168.0.1	
DDNS	Port	21	
	User Name	admin	
FTE	Password	****	
P.T.Z	Remote Directory	1	
User	Port Mode		
ALC: NOT THE		Test	
Block List			
		Default	od at

PTZ: After connect the PTZ to DVR and enable, user can set the Address, Baud Rate and Protocol, only they match the PTZ, then can connect the PTZ Camera to DVR successfully.

Address: The supported address range is 1~255, the PTZ address can be set manually on Dome Camera.

Baud Rate: Each PTZ has a fixed factory Baud rate, while it connect to the DVR, the two Baud Rate must be consistent.

Protocol: Each PTZ has a protocol, while it connect to the DVR, the two protocol must be consistent.

	_	_					Statement of the local division of the local	-
٩	0						0.00	and the second s
Network	СН	Enable	Addr		Baud Rate		Protocol	
Email	1	1	1	1	9690		PELCOP	
DDNS	2	1	2		9600		PELCOP	
DDNS		1	3	1	9600	T	PELCOP	
FTP	4	1	4		9600	•	PELCOP	•
Pitz N								
User								
Block List								
	ALL							
					9600	2	PELCOP	i.

User Admin: Use the user name to login the system and has all the operating right, Administrator can add and delete Non-admin account, change all the account passwords, including administrator's , and set the Permissions right to non-admin account

Network	User Name	User Type	PC MAC Address	
Email	- Million	Altimity	BOMBING MEDICINE	
DDNS				
FTP				
P.T.Z				
10581				
Block List				

Add User

	ADD USER	
General Authority		
User Name	guest	
Password		
Confirm Password		
User Type	Common	
Binding PC MAC Address		
PC MAC Address	00-00-00-00-00	
•		
		-
	ок	Exi

Permission setting: set the Permissions right to non-admin account according to needs.

Cemeral Authority Log Search File Management Disk Management Pisk Management Image Control Ima					ADD USE	R	
Log Search System Setup Shut Down File Management Disk Management Remote Login Ilive View	General						
Live View 1 1 2 3 4 Manual Record 1 1 2 3 4 Playback 1 1 2 3 4 Playback 1 1 2 3 4 Backup 1 1 2 3 4 P.T.Z Control 1 2 3 4 Remote Live View 4 4	* Log !	Search		Syst	em Setup	\min Shut Down	
Image: Constraint of the second Image: Constraint of the second Image: Constraint of the second of	File	Managemer	nt	Disk	Management	🖉 Remote Login	
Manual Record Image: Constrained state Image: Constrained s	Live	View					
Image: Second system	~	1	12	13	2.4		
✓ Playback ✓ ✓ 1 ✓ 2 ✓ 3 ✓ 4 ✓ Backup ✓ ✓ 1 ✓ 2 ✓ 3 ✓ 4 ✓ P.T.Z Control ✓ ✓ 1 ✓ 2 ✓ 3 ✓ 4 ✓ Remote Live View	✓ Mans	ual Record					
Image: Control state Image: Contrel state	1	1	12	13	1 4		
Backup I<	✓ Play!	back					
✓ ✓ ✓ ✓ ✓ ✓ P.T.Z Control ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ Kemote Live View ✓	~	1	12	✓ 3	14		
P.T.Z Control V 2 3 4 Remote Live View	J Back	up					
✓ ✓ 1 ✓ 2 ✓ 3 ✓ 4 ✓ Remote Live View	1	v 1	12	√ 3	V 4		
✓ Remote Live View	✓ P.T.2	Control					
	1	V1	12	✓ 3	✓ 4		
✓ ✓1 ✓2 ✓3 ✓4		ote Live Vie	w				
	1	1	12	13	¥ 4		
							OK Exit

Block/ Allow List: to block or allow the computer user in a segments to visite the DVR. Click "Block list", and set the initial IP address and end IP address, the computer users in this segments can not visit the DVR; if click "Allow List", set the segments, the only allow these users to visit the DVR.

						_
S. S				0	Č	0
	Allow List	Block List				Network.
				10 IP		Email
	.000.000.000	999	000.000.000.0	1 00		DDNS
	.000.000.000	000	000.000.000.0	2 00		DUNS
	. 000. 000. 000	000	000.000.000.0	3 00		FTP
	. 000. 000. 000	696.	000.000.000.0	4 00		P.T.Z
	.000.000.000	000	000.000.000.0	5 00		
	. 000. 000. 000	666	000.000.000.0	6 00		User
	. 000. 000. 000	000	000.000.000.0	7 00		Block List
	. 000. 000. 000	600.	0001000100010	0 00		
	. 000 . 000 . 000	000	000.000.000.0	9 69		
	000.000.000	000	000.000.000.0	10 00		
	000.000.000	000	000.000.000.0	11 60		
	. 000. 000. 000	000.	000.000.000.0	12 00		
	. 000. 000. 000	000	000.000.000.0	13 00		
	. 000. 000. 000	000.	000.000.000.0	14 00		

3.6.7 QR & Information

3.6.7.1 QR Code

The QR code Image can be scaned by Mobile phone. If the mobile phone didn't install a surveillance APP, can use other mobile scanning software to scan the QR Code to connect to the download address (Android & Apple), and download a free Mobile App. If it already install surveillance software (Mobile App), can scan the UID (P2P) to realize mobile live view.



System: user can find the Device Name, Device ID, Firmware Version and Release Date.

	q	R & Information
0	3	
QR Code	Device Name	MyDVR
System	Device ID	4600
Event	Firmware Version	7.9.1142.32
Log	Release Date	2014-05-12 09:43:57
Network		
Online		

Event: user can search all the events here like: Motion detection, Sensor Alarm, Video loss

			QR & I	Information		*
0	Ŭ		•		0.0	and the second s
QR Code		Туре		EndTime	Start Time	05 / 15 / 2014 🕅
System						00 : 00 : 00
Event					End Time	05 / 15 / 2014 🕅
Log						23 : 59 : 59
Network					Channel Se	
Online					V V 1	12 13 14
	6/8				H	
	✔ Mc	tion	Sensor	Video Loss		
					Ð	port Search



		QR&	Information			
0	1			\$	N.Z	
QR Code	Туре	User Name		Party and Party of		
System	Check Event	admin	05/15/2014 14:35:29	Start Time	05 / 15 / 2014 n	
0101011	Check Event	admin	05/15/2014 14:35:19		00:00:00	
Event	Stop P.T.2 Operation	admin	05/15/2014 14:34:37	End Time	85 / 15 / 2014	
Log	Start P.T.Z Operation	admin	05/15/2014 14:34:37		23 : 59 : 59	
A CONTRACTOR OF	By Event		ion .			
Network	By Event	admin	05/15/2014 14:28:37	✓ Setup		
Online	By Time	admin	05/15/2014 14:28:27	 Playback 		
	Disable Loopout	admin	05/15/2014 14:26:03			
	Logon	admin	05/15/2014 14:26:03	 Backup 		
	Logoff	admin	05/15/2014 14:25:58	 Search 		
	Check Online Users	admin	05/15/2014 14:23:42		Information	
	Stop P.T.Z Operation	admin	05/15/2014 14:22:20	Error		
	Start P.T.Z Operation	admin	05/15/2014 14:22:19			
	Stop	admin	05/15/2014 14:09:25			
	Play	admin	05/15/2014 14:09:15			
	By Event	admin	05/15/2014 14:08:29			
	1/2					

Network: user can check the device port, IP Address and P2P (UID) information etc, also can check the Cloud status in this column.

	QR	& Information
0	1	
QR Code	Web Port	99
System	Media Port	9000
Event	IP Address	192.168.002.134
	Subnet Mask	255.255.255.000
Log	Gateway	192.168.002.001
	Preferred DNS Server	210.021.196.006
Online	Alternate DNS Server	192.168.002.001
OTHERE	Networking Approach	DHCP
	Status	Connected
	DONS	Connected
	MAC	14-98-98-85-D4-61
	UID (P2P ID)	bN0-doO-jLd-RFN-Cpb-IaG-xu
	Cloud	Connected
	Refresh	

Online User: User can check the PC port and APP visitors list in this column.

		QR& Informatio	41	
0	3		2	Band Band
QR Code	User Name			
System				
Event				
Log				
Network				
Online				
	6/8			нарн
			Refr	esh

Chapter 4 Remote View

4.1 Remote view via : If the Computer is Win8 System, pls log on the computer as administrator

4.1.1 LAN

When DVR connect to the Router, firstly, check the router IP address, generally, the IP is 192.168.1.1 (192.168.1.254), then enter the network control setting of the DVR, and enter the IP Address and Gateway (Router IP), the IP address must in the same segments with the router. For example: Router IP is 192.168.1.1, the DVR IP set as 192.168.1.X_o After finishing the setting, open the IE Browser, and enter the cloud web site: http://www.easyconfigure.com, or you can enter DVR IP address: http://192.168.1. X:Web port, then click "Enter", and it will download the IE Active-X control (IE Browser must allow to download the Active-X control, for more detailed operation, please refer to appendix 1)

CM54dies *			
← → C () 192.168.2.169.7004/index	anal .	() #	
Actives needs your permission to run.	Run this time Aways run on this site	Lesen.mars *	

after complete download, a dialogue window will pop up, as the Picture:



	 OMSCIENTING 	oph 24.4.12 Set	hip -	- 1.X.
Owner Install Le Owner the fatter	v victo to rectal CHEC	ePige 14A.11		6
Solar of result (failer, dat brand	Hiller Plage 1.6.8, 12 e a est allect another Tab	, the following failure of Club Social to He	To radial in a differ of the netabletion.	
Destruction Proc	-		. Arrest	21
Spece requests 1 Spece e-stildin: 1				
		- 144	- Band - 1	Genet



there are two kind of login way in Login window: IP Login and P2P Login.

1) IP Login: The default User name is " **admin**", Password: "**0000 0000**", Device port is the same as Media port. Click "Login" and enter the live view.

IP Login	P2P Login	
User name	admin	
Password	*****	
Device Port	9900	
Select language	English	~
Remember P	assword Login	

2) P2P Login: P2P ID can be found in the DVR (QR & Information Column), The default User name is "admin", Password: "0000 0000", Click "Login" and enter the live view.

IP Login	P2P Login
P2P ID	h6F-dCI-68p-sFb-6pb-IZG-Iu
User name	admin
Password	******
Select language	English
Remember Pa	ssword Login

Live view :



4.1.2 WAN

1. Via Router

Step 1: Please refer to LAN setting above.

Step2: After confirm the LAN connection, user need to do port forwarding in the router, as the the picture below. Each DVR need two port forwarding : Web & media port (user also can add the LAN IP Address to DMZ, and different router has different setting way, please refer to the router user manual).

After port forwarding, check the WAN IP Address in "Status" of the router, and add the WEB port via WAN IP to visite the DVR. For example: Visit via

http://210.21.229.138:WEB Port or http://Domain Name:WEB Port.

			150Mbps Wireless 1T1R Router
Add or Modify a \	/irtual Se	rver En	try
Service Port:	9900	(XX-XX or XX	0
IP Address:	192.168.2.169		
Protocol:	ALL	~	
Status:	Enabled	~	
	Laurent Constant	200	
Common Service Port:	-Select One-	-	
Common Service Ports	- Statet was -		
	C Same	Bac	4
	Jave		-A
	Service Port: IP Address: Protocol:	Service Port: 9900 IP Address: 192.168.2.169 Protocol: AlL Status: Enabled	Add or Modify a Virtual Server En Service Port: 9900 (XX-XX or XX IP Address: 192.168.2.169 Protocol: ALL V Status: Enabled V Common Service Port: -Select One

Rosewill	V
150M Wireless Lite-N Router RNX-N150RT	
Status Current DMZ Status: Enable Disable DMZ Host IP Address: 192.168.2.169	
+ Network + Wireless Save	
Forwarding Virtual Servers Port Triggering	
DMZ UPnP Security	
+ Access Control + Static Routing	
+ Bandwidth Control + IP & MAC Binding	
Dynamic DNS System Tools	

Step 3: Because the changing WAN IP Address is not convenient for visiting, user can visit via Domain Name. Enter Main Manuel---Advanced Setting ----DDNS---Click DDNS -----Select the Domain Name :**leadingdvr.com**. Just enter: http://Domain Name:WEB Port to visit the DVR.

4.2 Via CMS

First, please copy the PC CMS from the software disk and install, for the first running, you need to register administrator and set the Password. As the picture below:

Register administra	kor	3
User	admin	
Password	****	
Confirm	****	
Select	English	-
0	K Canc	el

After registered, then you can login the CMS

User name	admin	
Password	*****	
Select	English	-

Live View :



Add Device: right click the Device List, click "Add Device", and will pop up a window as picture below. There are two kinds of Login Type: IP Login (visit via DDNS), and P2P Login (visit via UID)

1. IP Login: Need IP Forwarding via IP

ogon Type	P	Device Name	192.168.0.160	
Device IP	192.168.0.160	Device Port	9000	
P2P ID				
Device User Name	admin	Device Password	******	
Auto Login	Disable	Device Type	new sdk.	

Enter the Device Name,

Device IP : Enter the "IP Address" or "Domain Name" ;

Device Port: Enter the "Media Port", and the Factory Default is 9000 Factory Default User Name: admin, and Device Password: 0000 0000

2. P2P Login: No need Port Forwarding via UID

ogon Type	P2P	Device Name	192.168.0.160	
Device IP	192.168.0.160	Device Port	9000	
P2P ID				
Device User Name	admin	Device Password	******	
kuto Login	Disable	Device Type	new sdk.	
	ОК	Can	el	

After finish adding, right click the new-added device, Click all the Channel and open to remote control

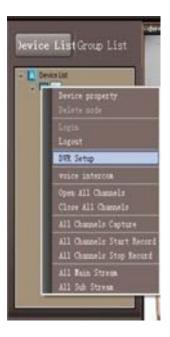
The Function Key in Live View:

Кеу	Name
	Live View
200	Remote Playback
	Local Playback
	Е-Мар
<u>C</u> p	Config
(E)	(Screen) Lock
æ r	PTZ
•@•	Preset Point Setting
ڻ. ا	Cruise
₽	Video (Adjustment)

Remote Playback



Right click the added device, and click "DVR Setup", as the picture below.

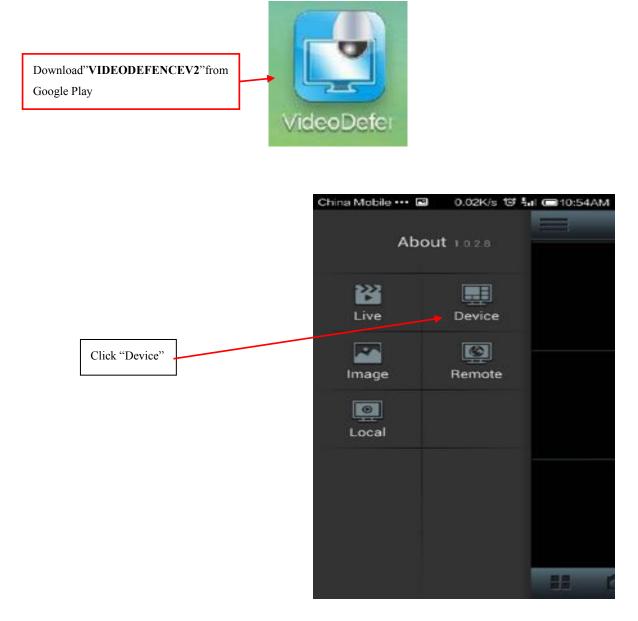


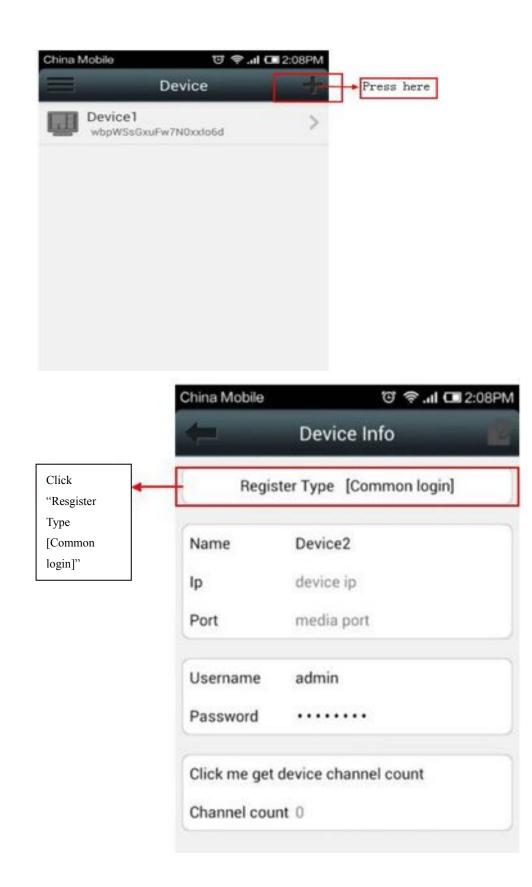
S Device Paras Configuration			_	100	×
Bask Bask Dive Recond Schedule Semor Alarm Motion Alarm Video Loos Alarm Adam Out Other Alarm Network Users P.1.2 Remote system upgrade	Basic Device Name Password Check Show System Time Startup Witaed Mair Online Users Video Output Screensaver[5]	My DVR Close Open 9 1024 X 768 (4:3) Never			
	Refresh Basic success	fullyl	Re	fresh	Set

Chapter 5 Mobile Surveillance

Android for Example, Apple App is Similar

1.Please download "VIDEODEFENCEV2" from Google Play or App Store

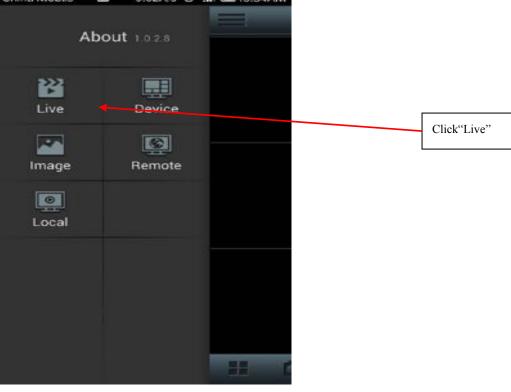


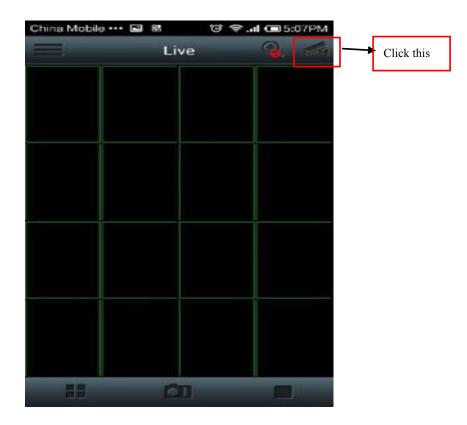


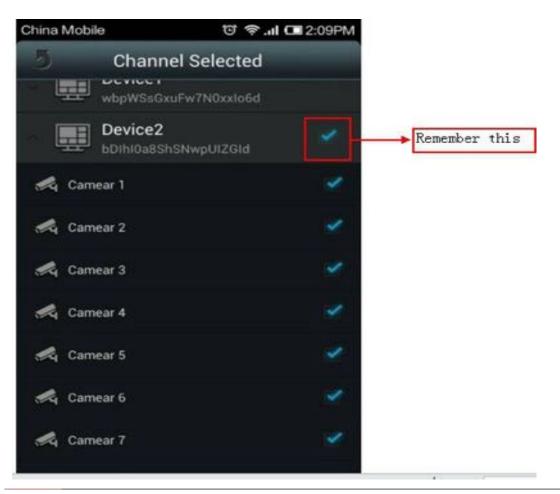
	Device Inf	ö			
Reg	Register Type [Common login]				
Name	Device2				
ID					
F	Register Ty	pe			
Commo	on login	۲			
^F UID		0			
QR cod	e	0			
	Name Io F. Commo F UID	Name Device2 In device in Register Ty Common login			

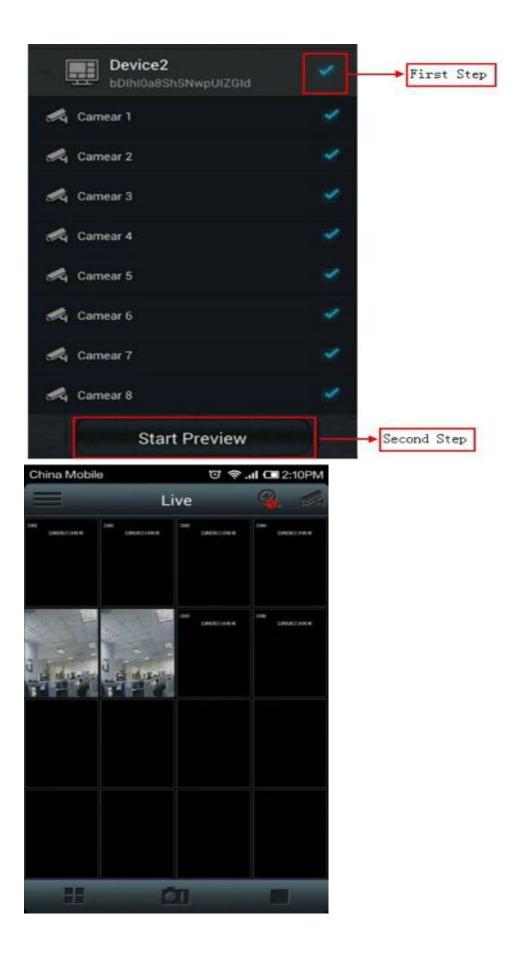












Chapter 6 Q & A

1. Q: The DVR can not detect HDD

A: Please check the HDD cable and the power cable whether is in connection to DVR, or the Main board's HDD Port whether is in good condition. If yes, please check the HDD whether is the support type to the DVR, please refer to the specification.

2. Q: No video signal or abnormal view shows on the Monitor while the DVR and camera in good connection and power supply.

A: Please check the BNC connection status, or wether the cable is in aging , or whether the resolution (NTSC/PAL) math or not.

3. Q:The DVR radiating effect

A:The DVR will produce heat while it's running, please put the DVR in a safe and good ventilating place to avoid any bad effect causing by longterm work in high temperature environment.

4. Q:Why the remote control doesn't work while the the remote view and the front panel button is working normally.

A: Pls make sure the remote control and the DVR IR receiver must be aligned while operating. If remote control still not working, please check the battery condition. If it's the the problems above, please check whether the remote control is broken or not.

5. Q: Can the DVR support PC HDD if it have been install into DVR?

A: The HDD can be used if it is our system support type, but please be noted that all the file will be loss once the DVR runs.

6. Q: Can the DVR keep recording and playback at the same time?

A: Yes, it can. Our DVR system support to record and playback at the same time.

7. Q: Can I delete some record file in the DVR HDD?

A: For safety, we suggest no to delete some record file, user can format the HDD if he need to delete all the record

8. Q: Why I can not login the DVR CMS?

A: Please check the network connection and the setting is correct or not, or whether RJ-45 port is in good connection, or the user name or password for network login is correct or not.

9. Q: Why there is a temporary stutter while remote live viewing.

A: It's normal thing if it stutter within 5 second temporally

10.Q: Can not find any record information while need to playback

A: Please check the HDD whether in good connection with the DVR, or the system time is correct or not. If this still happen after setting and restart the system, please check the HDD is damaged or not.

11.Q:After setting, the PTZ can not be controlled.

A: Please check the following reasons:

① PTZ Camera fault

② The PTZ decoder setting, connection, installation are incorrect.

- 3 The DVR PTZ setting is incorrect.
- \circledast The PTZ decoder don't match to the DVR protocol $\ ;$
- 6 The PTZ decoder don't match the device address;

© While it connect with multi-decoder, you need to add a resistance of 120 ohms at the end of the PTZ decoder line A,B, to eliminate reflection and impedance matching. Otherwise it will cause the PTZ control

instability.

12. Q: Why the Motion Detection function is not working

A: Please check the Motion Detection setting , level of sensitive are correct or not.

13. Q: Why the Alarm is not working?

A: Please check the alarm setting, alarm port, alarm input are correct or not.

14. Q: Why the DVR keep buzzer?

A: Please check the relevant Alarm setting, the Motion Detection is enable or not, I/O Alarm whether set as "NC", and the relevant Disk Alarm setting.

15. Q: After connected to BNC, DVR can display video but the menu, mouse, front panel button and remote control are all unavailable.

A: Connect VGA output : change the output to "CVBS" in "main menu-basic setup--system" and then connect BNC output. If no VGA displayer, please press the front panel "menu" button for about 15s till system switching to BNC output mode automatically.

16. Q: How to do if forgetting password.

A: If the modified password is lost , you can press the front panel "enter" button for about 15s to restore the factory default. Factory default password is 0000 0000.

17. Q: If DVR always happens reboot or stops at the turn on logo and can't enter into the system, how to do?

A: First of all, take the HDD out and check the problem solved or not. If problem solved, then it should be the HDD's error and formating the HDD is the solution. If problem still exist, please connect seller or supplier for latest upgrading software

18. Q: Connected with VGA or BNC (CVBS definition) output, DVR shows logo but no image displays after entering system. How to do?

A: Connect the DVR with HDMI displayer, then alter the definition to VGA or BNC via it.

FYI: The suitable definition of BNC is CVBS ; HDMI is 1920*1080 ; VGA are the left options.

19. Q: When the device connects DVD-RW, it is unavailable to record or there is no data recorded on the disk, why?

A: Re: first of all, please check whether the data line connects to SATA0 port or not. Because there are 4 SATA port, SATA0, SATA1, SATA2, SATA3, only SATA0 works with DVD writer.

Secondly, the DVD writer only supports CD-R plate but not DVD-R plate at present.

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