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

V4.1G

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 Packaging and accessories

Following parts are included in the package:

- One IR remote controller
- \bigcirc A pair of remote controller batteries
- \bigcirc One piece of product instruction
- $\begin{tabular}{ll} $$ One piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one piece of SATA hard disk data cable(installed in the host) $$ one pi$
- One DC12V3A power adapter
- © Support HDD(already installed) and a set of mounting screws.
- \bigcirc One piece of HDD power cable (already installed in the host)
- One piece of CD.

1.3 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)
- \bigcirc 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

1.4 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°C-50°C
Working humidity	10%-90%

Chapter 2 DVR Introduction

2.1 Front panels





NO.	Tag	Name	Description
1	∆×	MUTE	Disable the sound output
2	1	INFO	Check the device system information
3	•	PIP	Display live images picture in picture

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4	\oplus	PTZ	Call the PTZ camera
5	►II	PLAY / PAUSE	Compound button play and pause
6	€	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	▲	ESC	Quit
11	•	USB	Connect the USB deceives
12	心	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	O PWR	STATUS	Indicate the running status
	O REC		
	ALARM		

2.2 Rear panel and ports

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





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	
	PTZ	Move the PTZ camera	
13	112	Niove the FTE callera	
13 14	SEARCH	Playback the video	

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 video 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

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



3.2 System Login

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

LOC	SIN	
User Name		
admin		
Password		
Ň		
	Login	Cancel

3.3 Live View

The green icon: means normal record.

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

			02 03		
***	Zoom	Ŧ	No.	1	
< • •	Focus	Ŧ	Name	preset001	Preview
* • *	Iris	Ŧ	Setup	Preset	Save

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

	e	1 02 03 04 A	11	
Y * 4	Zoom 👎	Cruise NUL	L 🗖	Add
< () >	- Focus +	Start Cru	uise	Delete
* • 4	🗕 Iris ∓	Setup Crui	se 🔽	Save
Speed: 5	= ! •	Select PTZ Mod	le	- x

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.

		01	02 03 04 All
* * *	Zoom	Ŧ	Start Record
< • •	Focus	Ŧ	Start Track
* • 4	Iris	Ŧ	Setup Track
Speed: 5	E	- +	Select PTZ Mode

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

3.5 Playback interface



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, Date & Time, DAT, Live, Main 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	
			1)
System	Device Name	My DVR	
Date & Time	Video Format	PAL	
DST	Password Check	\checkmark	
DST	Show System Time	~	
Live	Startup Wizard	v	
Main Monitor	Max Online Users	9	
	Screen Resolution	1024X768 (4:3)	
Mask	Language	English	
	Auto Logout	Never	
		N	
		Def	ault 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 Date & 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).

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

	Basic	Setting	×
System	System Time	02:33:40	
Date & Time	System Date	12 / 31 / 2013 🛅	
DST		Save Now	
DST	Time Format	24 Hour	
Live	Date Format	MM-DD-YY	
Main Monitor	Time Zone	[UTC+8:00]Beijing, Hong Kong, Taipei	
Mask	Auto Sync	~	
Mask	NTP Server	time.windows.com	
		Update Now	
	Position	Setting	
	Color	Orange	
		Default	pply
		Delaut	P.P.P.Y

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.

	Ва	sic Setting	
System	Daylight Saving Time		
Date & Time	Time Offset	1 Hour	
	Mode	Week D	ate
DST	From	January	
Live		The 1st	
Main Monitor		Sunday	
Mask		00 : 00 : 00	
Mask	Until	January	
		The 1st	
		Sunday	
		00:00:00	
		Def	ault Apply

3.1.6.4 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.

Camera Name CH01 CH02 CH03 CH04	Show Y Y Y	Image adjust Setting Setting Setting Setting Setting	Position Setting Setting Setting Setting	Color White White White	žadil
CH01 CH02 CH03	/ /	Setting Setting Setting	Setting Setting Setting	White White White	
CH02 CH03	<i>·</i>	Setting Setting	Setting Setting	White White	
СНӨЗ	~	Setting	Setting	White	
CH04	~	Setting	Setting		
				White	
		Setting	Setting		
				Setting Setting	✓ Setting Setting

Image Adjust:

Channel	X
1	
Brightness	119 - +
Hue	140 - Ŧ
Saturation	124 - +
Contrast	151 - Ŧ
Default	
ОК	

3.1.6.5 Main Monitor

Display Mode options : 1×1 , 2×2 , 1A5 SEQ Time (Second): Live view switching interval from channel to next channel

		Basic Setting					×
		••••		Ø	0		
System		Display Mode	Single				1/4
Date & Time							
DST							
Live							
Main Monitor							
Mask			_				
		CH 1					
		SEQ Time	5 Second				
					Default	Appl	у

3.1.6.6 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	
System	СН	Mask Area		Mask Area	Clear	
Date & Time	1	Setting		Clear		
	2	Setting		Clear		
DST	3	Setting		Clear		
Live	4	Setting		Clear		
Main Monitor						
Mask 🛓						
					Defa	ult 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 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 ■ 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								×
	2		¢,)			A Sheet of		
Playback	By Time By Event By File By Image						Se	arch	
Backup		201	.4			1			
Disk Management		Su	Mo	Tu	We	Th	Fr	Sa	
blok managomonk	Start Time 01 / 13 / 2014 🛗 00 : 00 : 00				1	2	3	4	
	00:00 04:00 08:00 12:00 16:00 20:00	5	6 13	7 14	8 15	9 16	10	11	
	1	19	20	21	22	23	24	25	
	2 3	26		28	29	30			
	4								
		1	V 1	~	2	√ 3	~	4	
	Blue region means having video After Click SearchBT								

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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. Note: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.

			Васкир	& Playback							
	192	R	•	N 🦉							
Playback	By Ti	me By 1	Event By File By Imag	ge						Si	arch
Backup	СН	Туре	Start Time	End Time	201	4					
isk Management	1	1	01/13/2014 09:02:19	01/13/2014 09:04:17	Su	Мо	Tu	We	Th	Fr	
isk management	1	1	01/13/2014 08:55:27	01/13/2014 09:01:44				1			4
	1	1	01/13/2014 08:55:27	01/13/2014 09:01:44	5	6		8	9	10	11
	1	1	01/13/2014 08:55:27	01/13/2014 09:01:44	12		14	15	16	17	18
	1	1	01/13/2014 08:55:27	01/13/2014 09:01:44	19	20	21	22	23	24	25
	1	2	01/13/2014 08:55:27	01/13/2014 09:01:44	26	27	28	29	30	31	
	1	2	01/13/2014 08:55:27	01/13/2014 09:01:44				-			
	1	2	01/13/2014 08:55:27	01/13/2014 09:01:44	~	✓ 1	~	2	√ 3	~	4
	1	2	01/13/2014 08:55:27	01/13/2014 09:01:44							
	1	1	01/13/2014 08:44:43	01/13/2014 08:55:27							
	1	1	01/13/2014 08:44:43	01/13/2014 08:55:27							
	1	1	01/13/2014 08:44:43	01/13/2014 08:55:27							
	1	1	01/13/2014 08:44:43	01/13/2014 08:55:27							
	1	2	01/13/2014 08:44:43	01/13/2014 08:55:27							
	1/34			н • • н							
	V Mo	otion	Sensor	All							

By File

User can lock and delete File. The file can not be hided or deleted once it locked, but it can be deleted while formating.

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

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

Lock: Select one file and click "Lock", the file can not be deleted or covered.

Unlock: Select the locked file and click "Lock", the file will be unlocked.

Delete: Select the unlocked file and click "Delete", the file will be deleted

Third Step: Click "All", user can lock, unlock or delete all the selected file.

Fourth Step: Double click the unlock file to playback.

		B	ackup & Play	back								
			•••									
Playback	By Time	By Event By File B	y Image								Se	arch
Backup	СН	Start Time	End Time			201	4		• 1		7	
)isk Management	1	01/13/2014 09:02:19	01/13/2014	09:03:30	w	Su	Мо	Tu	We	Th	Fr	Sa
isk management	1	01/13/2014 08:55:27	01/13/2014	09:01:44					1	2		4
	1	01/13/2014 08:55:27	01/13/2014	09:01:44		5	6	7	8	9	10	111
	1	01/13/2014 08:55:27	01/13/2014	09:01:44		12	13	14	15	16	17	18
	1	01/13/2014 08:55:27	01/13/2014	09:01:44		19	20	21	22	23	24	25
	1	01/13/2014 08:44:43	01/13/2014	08:55:27		26	27	28	29	30	31	
	1	01/13/2014 08:44:43	01/13/2014	08:55:27								
	1	01/13/2014 08:44:43	01/13/2014	08:55:27		~	1	~	2	✓ 3	~	4
	1	01/13/2014 08:44:43	01/13/2014	08:55:27								
	1	01/13/2014 08:33:59	01/13/2014	08:44:43								
	1	01/13/2014 08:33:59	A1/13/2014	A8-44-43								
	1	01/13/2014 08:33:59										
	1	01/13/2014 08:33:59										
	1	01/13/2014 08:23:15										
	1/59	61113/2014 68:23:15 All		08.33.59	М							
	Backup											
	Set date	for searching file										

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.

		Backu	ip & Playback		
		T		0	artic Start
Playback	СН	Start Time		Start Time	01 / 13 / 2014 🛗
	✓ 1	01/13/2014 09:02:19	01/13/2014 09:04:38		00:00:00
Backup	✓ 1	01/13/2014 08:55:27	01/13/2014 09:01:44	End Time	01 / 13 / 2014
Disk Management	✓ 1	01/13/2014 08:55:27	01/13/2014 09:01:44	End	23 : 59 : 59
	✓ 1	01/13/2014 08:55:27	01/13/2014 09:01:44		
	✓ 1	01/13/2014 08:55:27	01/13/2014 09:01:44	Channel S	elect
	✓ 1	01/13/2014 08:44:43	01/13/2014 08:55:27	✓ √ 1	✓ 2 ✓ 3 ✓ 4
	✓ 1	01/13/2014 08:44:43	01/13/2014 08:55:27		
	✓ 1	01/13/2014 08:44:43	01/13/2014 08:55:27		
	✓ 1	01/13/2014 08:44:43	01/13/2014 08:55:27		
	✓ 1	01/13/2014 08:33:59	01/13/2014 08:44:43		
	✓ 1	01/13/2014 08:33:59	01/13/2014 08:44:43		
	✓ 1	01/13/2014 08:33:59	01/13/2014 08:44:43		
	V 1	01/13/2014 08:33:59	01/13/2014 08:44:43		
	V 1	01/13/2014 08:23:15	01/13/2014 08:33:59		
	✓ 1	01/13/2014 08:23:15	01/13/2014 08:33:59		
	✓ 1	01/13/2014 08:23:15	01/13/2014 08:33:59		
	1/52	All 🗸	KAPH		*

Select the file and click "Backup", will pop up a window as picture shows below, user can check the size of the select file, and select the file type to save, like: DVR, AVI, WAVE three kind of format.

	BACKUP INFORMATION	
The Number Of Files	820	
Size[GB]	102.508	
Storage Media	USB-1	
Free[GB]	7.090	
Backup Player	~	
Save File Type	DVR	
	IVA	
	WAVE	
t.	6 %	
	0.0	
		Start Cancel

3.6.2.3 Disk Management

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

			Bad	kup & Pla	nyback		
		C		•	at a	8	
Playback	ID	Туре		Free[GB]		Properties	Sources
Backup	0 1	SATA		1331.00		Read & Writ 🔽	A DESCRIPTION OF THE OWNER OF THE
Disk Management	02	USB	7.26	7.09	Normal	Read & Writ 🔝	Local
					4		
	Disk info					Refresh	Apply Format

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 &M	aintenance		×
٢	🗟 💽 📼			
Upgrade	USB-1 Read USB			
Import/Export	Name	Size	Туре	Date Modified
	20131231020118		Folder	12/31/2013 02:01:36
Maintain	VideoPlayer		Folder	12/31/2013 02:01:18
Help	DVR_vgalogo.jpg	54KB	File	01/10/2014 17:49:52
	DVR_cvbslogo.jpg	45KB	File	01/10/2014 17:49:08
	dvr_cvbs_logo_h.jpg	45KB	File	01/10/2014 17:53:02
	dvr_vga_logo_h.jpg	54KB	File	01/10/2014 17:53:08
	1/1			H A P H
				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.

	Upgra	de & Maintenance		, , , , , , , , , , , , , , , , , , ,
٢				
Upgrade	USB-1	HUTB		
Import/Export	Name	Size	Туре	Date Modified
Maintain	20131231020118		Folder	12/31/2013 02:01:36
Maintain	VideoPlayer		Folder	12/31/2013 02:01:18
Help	DVR_vgalogo.jpg	54KB	File	01/10/2014 17:49:52
	DVR_cvbslogo.jpg	45KB	File	01/10/2014 17:49:08
	dvr_cvbs_logo_h.jpg	45KB	File	01/10/2014 17:53:02
	dvr_vga_logo_h.jpg	54KB	File	01/10/2014 17:53:08
	1/1			HAPH
				Import Export

3.6.3.3 Maintenance

Including Factory setting, Logout and Shut Down.



3.6.4 Record & Schedule

3.6.4.1 Record

Click "Record", will shows as following Picture:

			Record & Schedule		
٢				*	Party Party
	Enab	e Record Bitrate	Time Overlay Recycle Rec	ord	
Schedule	СН	Record	Audio		
		1	v		
		1	v		
	3	1	1		
	4	1	1		
	All				
					fault 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.

Record				Bitrate Tim	e (Overlay R	ecycle			
Schedule	СН	Resolu						Quality	Max Bitrate	
		D1		25		CBR		Higher	1536 kbps	
		D1		25		CBR		Higher	1536 kbps	
		D1	T	25		CBR		Higher	1536 kbps	
	4	D1		25		CBR	•	Higher	1536 kbps	
	All		Rema	iining : 0 (C	IF).	0 (D1).				
		D1		25		CBR		Higher	1536 kbps	

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.

S		s 🖸 🛤		
Record	Ena	ble Record Bitrate Time Ove	rlay Recycle Record	
Schedule	СН	Pre Record Time	Post Record Time	Expired
	1	30 Second	30 Second	Never 🔽
	2	30 Second	30 Second	Never 🔽
	3	30 Second	30 Second	Never 🔽
	4	30 Second	30 Second	Never 💌
	All			
		30 Second	30 Second	Never 💽

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	Enable Record Bitrat	te Time Overlay Recycle Re	cord
Schedule	CH Camera Name		Position
	1 🖌	~	Setting
	2 🖌	×	Setting
	3 🖌	~	Setting
	4 🜌	S	Setting
	AIL		
			Setting
	CBR(Constant BitRate),	VBR(Variable Bitrate)	Default Apply
04/29/2	010 16:04:40		CAMERAL

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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.

Note:The Record file Size is depending on the quality, fps,and the record resolution, the higher the Parameters is, the more memory storage it need

	Record & Scheo	lule	~
٢	🔊 🕤 💽		
Record	Enable Record Bitrate Time Overlay R	ecycle Record	
Schedule	Recycle Record	×	
	Drag and locate captions	Default Apply	1

3.6.4.2 Record Schedule

Record Schedule includes 3 sub-manus: Schedule(Time record), Motion detection record and Sensor record.

Time Record: 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						- *	17
Schedule	Schedule Channel	Motion Sens	or T	Add	Dele	te 🕠	Advance
1		00:00	04:00	08:00	12:00	16:00	20:00
	Sunday						
	Monday						
	Tuesday						
	Wednesday						
	Thursday						
	Friday						
	Saturday						
	Apply Settin	gsTo ALL	CI	nannel	Сору		

Motion Detection Record: 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	Schedule N	lotion Sens					
Schedule	Channel	1		Add	Delet	e 🔤	Advance
		00:00	04:00	08:00	12:00	16:00	20:00
	Sunday						
	Monday						
	Tuesday						
	Wednesday						
	Thursday						
	Friday						
	Saturday						
	Apply Setting		CI	annel	Сору		
	r appry octains	STO AL	101	idinici	Copy		

Sensor Record: 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.



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

Neek D	ays Sur	dav					Apply Settings To	A11	Сору
Start Tir		loay				End Time	appry octanga re		Coby
5tart 1 ir 00:00	ne					23:59			
00.00						2010.0			
- Start	Time								
- Start Hour	Time 0		Minute	0					
	0		Minute	0					
Hour	0		Minute						
Hour End	0 Time								

3.6.5 Alarm & Schedule

It includes 5 sub-manus Motion, Video Loss, Sensor, Other Alarm, and Alarm Out Control

Motion	Motion	Motion Sch	edule		
Video Loss	СН	Enable	Continue Time	Action	Area
Sensor		~	10 Second	Setting	Setting
	2	~	10 Second	Setting	Setting
Other Alarm			10 Second	Setting	Setting
arm Out Control			10 Second	Setting	Setting
	All				
			10 Second		

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.

Motion	Motio	Motion Sch	redule		*
Video Loss	СН	Enable	Continue Time	Action	Area
Sensor	1	1	10 Second	Setting	Setting
		~	10 Second	Setting	Setting
Other Alarm	3		10 Second	Setting	Setting
Alarm Out Control	4		10 Second	Setting	Setting
	All				
			10 Second		

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:

ACT	ON - Channel 1	
Alarm To Record To P.T.Z		
Buzzer	×	
Show Full Screen	None	
To Alarm Out	1	
Email		
FTP	—	
Snapshot		
1 2 3 4		
	01	< Exit

 $\label{eq:buzzer: buzzer} \textbf{Buzzer: Click "Buzzer", } \quad \text{it will buzzer while it detect the motion}$

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
Alam	n To Rea	ord To P.1	ī.Z		
	1	2	3	- A	
	1	2		- 4	
					OK Exit

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".





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 I to the sensitivity level; Click II to save the settings; Click

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Motion Schedule: 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 Blue.

			Alarm & S	chedule			
		G	••	۱ .		0	Brad B
Motion	Motion Mo	tionSchedule					
Video Loss	Channel			🔵 Add	Dele	ete	Advance
Sensor		00:00	04:00	08:00	12:00	16:00	20:00
	Sunday						
Other Alarm	Monday						
Alarm Out Control	Tuesday						
Alarm Out Control	Wednesday						
	Thursday						
	Friday						
	Saturday						
	Apply Settin	igs To All	CI	hannel	Сору		
	Set action					Def	ault Apply

3.6.5.2 Video Loss

			Alarm & Sched	lule		
		\mathbf{O}	-		¢	
Motion	1	Action				
	2	Action				
Sensor		Action				
Other Alarm	4	Action				
Alarm Out Control						
	All					
		Action				
					De	fault Apply

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

ACT	ION - Channel 1
Alarm To P.T.Z	
Buzzer	X
Show Full Screen	None
To Alarm Out	1
Email	
FTP	
Snapshot	
1 2 3 4	
	OK Exit

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		
						Elizate Baset
Motion	Basic	Alarm Hand	ling Sensor Sch	iedule		
Video Loss	СН	Enable	Туре			
Sensor	1	~	NC			
Other Alarm	2		NO			
	3		NO			
Alarm Out Control	4		NO			
	All					
			NO			
					De	fault Apply

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

		Alarm & Scheo	lule ×
	2		
Motion	Basic	Alarm Handling Sensor Schedule	
Video Loss	СН	Continue Time	Action
Sensor		10 Second	Setting
		10 Second	Setting
Other Alarm		10 Second	Setting
Alarm Out Control	4	10 Second	Setting
	All		
		10	Setting
			Default Apply

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.

ACT	ION - Channel 1
Alarm To Record To P.T.Z	
Buzzer	×
Show Full Screen	None
To Alarm Out	1
Email	
FTP	
Snapshot	
1 2 3 4	
	OK Exit

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

Motion Video Loss	Basic Alarr Channel	1 1	Sensor Sche	Add	Delet	~	Advance
11000 2000	ondimor						
Sensor		00:00	04:00	08:00	12:00	16:00	20:00
	Sunday						
Other Alarm	Monday						
Alarm Out Control	Tuesday						
	Wednesday						
	Thursday						
	Friday						
	Saturday						
	Apply Setting	gsTo All	CI	hannel	Сору		

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

3.6.5.4 Other alarm

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.

	Alarm & Sched	ule X
	1	
Motion	Alarm Type	Disk Full
Video Loss	Disk Shortage Alarm	128 MB
Sensor		120 mD
Other Alarm	Action	
	Buzzer	×
Alarm Out Control	Email	
	To Alarm Out	1
		Default Apply

3.6.5.5 Alarm Out Control

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 & Schedu	le	
			E	DIFE Base
Motion	Relay	Alarm Out Schedule Buzzer		
Video Loss	СН	Relays Name	Continue Time	
Sensor		ALARM OUT 1	30 Second	
Other Alarm				
arm Out Control				
	All			
			10 Second	

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.

e			§	Alarm &	Schedule				×
٢		6		••			0	action Parts	
Motion	Relays Ala		Schedul	e Buzz	er				
Video Loss	Channel	1			●Add	Dele	ete	Advance	
Sensor		00:00	8	04:00	08:00	12:00	16:00	20:00	
	Sunday								
Other Alarm	Monday								
Alarm Out Control	Tuesday								
Atamiout Control	Wednesday								
	Thursday								
	Friday								
	Saturday								
	Apply Setting	nsTo ≠	11		Channel	Сору			
							De	fault App	oly

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

Other Alarm		Alarm & Schedule		
Video Loss Buzzer al Continue Time 30 Second P Other Alarm				arya Farata
Video Loss Buzzer Image: Continue Time Image: Continue Time	Motion	Relays Alarm Out Schedule		
Other Alarm	Video Loss	Buzzer		
	Sensor	Continue Time	30 Second	
Varm Out Control	Other Alarm			
	Alarm Out Control			

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

3.6.6 Advanced Setting

It includes 8 sub-manus: Network, E-mail, DDNS, FTP, Sub-stream, 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.

	Adva	nced Setting	
٢			RITE Partie
Network	Web Port	7804	
Email	Media Port	9900	
DDNS	UPNP	V	
DDNO		Test	
FTP	Network Type	STATIC	
Sub-Stream	IP Address	192.168.002.133	
P.T.Z	Subnet Mask	255.255.255.000	
P.1.2	Gateway	192.168.002.001	
User Admin	Preferred DNS Server	008.008.008.008	
Block / Allow List	Alternate DNS Server	208.067.222.222	
		Test	
		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.

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Snap Time interval: Set the Time Interval between two snapshot.

	Advar	iced Setting
٢		
Network	SMTP Server	smtp.gmail.com
Epail	Port	25
DDNS	SSL Check	
DDNS	Send Address	abc@gmail.com
FTP	Password	•••••
Sub-Stream	Receive Address1	abc@gmail.com
P.T.Z	Receive Address2	
P.1.2	Receive Address3	
User Admin		Test
Block / Allow List		
	Number of Snapshots	None
	Snap Time Interval	2 Second
		Default Apply

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.

	A	dvanced Setting	x
		ol 🏮 🔯	
Network	DDNS	V	
Email	DDNS Type	leadingdvr.com	
I ONS	Domain Name	b58a1d01.leadingdvr.com	
FTP	Update Interval	3 X 60 Second	
Sub-Stream		Test	
P.T.Z			
User Admin			
Block / Allow List			
		Defa	ault Apply

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

	Adv	anced Setting X
٢		
Network	FTP	
Email	FTP Server	192.168.0.1
DDNS	Port	21
	User Name	admin
FTP	Password	•••••
Sub-Stream	Remote Directory	1
P.T.Z	Port Mode	Test
User Admin		
Block / Allow List		
		Default Apply

Sub-Stream: user can adjust the Resolution, fps, Encode, quality and Max Bitrate setting to a single channel, or click "All" to adjust the setting to all channels.

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

Note: after select the resolution and fps, system will shows the remaining CIF fps.

					Adva	inced Settin	g			
٢	I		Û					a de	\$	Bade
Network	СН	Resolution		fps		Encode		Quality	Max Bitrate	
Email	1	CIF	T	3	Z	CBR		Higher	128 kbps	
	2	CIF	•	3		CBR		Higher	128 kbps	
DDNS		CIF	T	3		CBR		Higher	128 kbps	
FTP	4	CIF	•	3		CBR	•	Higher	128 kbps	
Sub-Stream										
P.T.Z										
User Admin										
Block / Allow List										
	All	Remain								
		CIF		3		CBR	▼	Higher	128 kbps	
									Default	Apply

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.

			Adva	anced	Setting		
		R	0	••	(al.))	80	
Network	СН	Enable	Address		Baud Rate	Protocol	
Email	1	1	1		9600	PELCOP	
	2	~	2		9600	PELCOP	
DDNS		~	3		9600	PELCOP	
FTP	4	~	4		9600	PELCOP	
Sub-Stream							
P.C.Z							
User Admin							
Block / Allow List							
	All						
					9600	PELCOP	

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

		Advanced Setting		×
Network	User Name	User Type	PC MAC Address	
Email	admin	Admin	00-00-00-00-00	
DDNS				
FTP				
Sub-Stream				
P.T.Z				
User Admin				
Block / Allow List				
	Add Setup I	Delete Change Passwo	rd	
	ridd Sciup i	berete bhalige i assiro		

Add User

	漆加用户
通用 权限	
用户名	guest
密码	
重复密码	
用户群组	普通用户
绑定计算机物理地址	
计算机物理地址	00-00-00-00-00
*	
	确定 退出

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

查 者	日志		■ 系统	设置	■ 关机	
✓ 语音	对讲		数拒	管理	磁盘管理	
✔ 远程	登录					
✔现场	监视					
>	✓ 1	🗸 2	✓ 3	✓ 4		
✔ 手动	录像					
~		V 2	🗸 3	V 4		
✔ 回放						
1	✓ 1	✓ 2	✓ 3	✓ 4		
✔ 备份						
1	1	✓ 2	🗸 З	✓ 4		
✔ 云台						
~	✓ 1	V 2	✓ 3	✓ 4		
✔ 远程						
>	✓ 1	✓ 2	✓ 3	✓ 4		

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.

		Advanced Set	ting	
	9			
Network		🔵 Block List	Allow List	
Email	ID	IP From	To	
	1	000.000.000.000	000.000.000.000	(
DDNS	2	000.000.000.000	000.000.000.000	
FTP	3	000.000.000.000	000.000.000.000	
Sub-Stream	4	000.000.000.000	000.000.000.000	
	5	000.000.000.000	000.000.000.000	
P.T.Z	6	000.000.000.000	000.000.000.000	
User Admin	7	000.000.000.000	000.000.000.000	
ock/Allon List	8	000.000.000.000	000.000.000.000	
OCK774TOILEISE	9	000.000.000.000	000.000.000.000	
	10	000.000.000.000	000.000.000.000	
	11	000.000.000.000	000.000.000.000	
	12	000.000.000.000	000.000.000.000	
	13	000.000.000.000	000.000.000.000	
	14	000.000.000.000	000.000.000.000	

User Manual for Embedded DVR

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.

	QR&	Information ×
	2	
QR Code	Device Name	My DVR
System	Device ID	4600
Event	Firmware Version	7.9.910.P
	Release Date	2013-12-30 17:41:01
Log		
Network		
Online Users		

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

			QR & Inform	nation		
	K		•			arycu Frank Band
QR Code	СН	Туре	Start Time	End Time	Start Time	01 / 13 / 2014
System		Motion	01/13/2014 06:47:43	01/13/2014 06:48:00		00:00:00
	2	Motion	01/13/2014 06:47:43	01/13/2014 06:48:00	End Time	01 / 13 / 2014
Event	2	Motion	01/13/2014 06:47:43	01/13/2014 06:48:00		23 : 59 : 59
Log	2	Motion	01/13/2014 06:47:43	01/13/2014 06:48:00		
					Channel S	
Network					V V 1	✓ 2 ✓ 3 ✓ 4
Online Users					🗸 Play	back Capture
	1/1			H I F H		
	V Mo	otion	Sensor	√ideo Loss		
					Б	port Search

Log: User can check all users' device operation (including administrator)

		QR &	Information			
٩				Q	0	End B
QR Code	Туре	User Name	Time	Sta	rt Time	01 / 13 / 2014
System	Check Event	admin	01/13/2014 09:15:33	010		00 : 00 : 00
oystem	Check Event	admin	01/13/2014 09:15:33			
Event	Check Event	admin	01/13/2014 09:15:33	En	d Time	01 / 13 / 2014 🛅
Log	Check Event	admin	01/13/2014 09:15:33			23 : 59 : 59
	Stop P.T.Z Operation	admin	01/13/2014 09:14:18	~	Operat	ion
Network	Start P.T.Z Operation	admin	01/13/2014 09:14:18	~	Setup	
Online Users	Stop P.T.Z Operation	admin	01/13/2014 09:14:18	1	Playba	ick
	Start P.T.Z Operation	admin	01/13/2014 09:14:18	1	Backur	
	Stop P.T.Z Operation	admin	01/13/2014 09:14:18	1	Search	
	Start P.T.Z Operation	admin	01/13/2014 09:14:18			
	Stop P.T.Z Operation	admin	01/13/2014 09:14:18	×		Information
	Start P.T.Z Operation	admin	01/13/2014 09:14:18	~	Error	
	Stop P.T.Z Operation	admin	01/13/2014 09:14:17			
	Start P.T.Z Operation	admin	01/13/2014 09:14:17			
	Stop P.T.Z Operation	admin	01/13/2014 09:14:17			
	Start P.T.Z Operation	admin	01/13/2014 09:14:17			
	1/5					

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			
٢			
QR Code	Web Port	7804	
System	Media Port	9900	
Event	IP Address	192.168.002.133	
Event	Subnet Mask	255.255.255.000	
Log	Gateway	192.168.002.001	
Network	Preferred DNS Server	008.008.008	
7	Alternate DNS Server	208.067.222.222	
Online Users	Networking Approach	Static IP	
	Status	Connected	
	DDNS	Connected	
	MAC	14-90-90-05-D4-61	
	UID (P2P ID)	bN0-doO-jLd-RFN-Cpb-IaG-xu	
	Cloud	Connected	

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

		QR & Information	
QR Code	User Name	IP	Status
System	admin	192.168.002.134	Online
Event			
Log			
Network			
Online Users			
	111		
			Refresh

Chapter 4 Remote View

4.1 Remote view via IE browser

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. After finishing the setting, open the IE Browser, and enter the 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)



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

	CMSClientPlugin 2,6,8,12 Setup	
	Welcome to the CMSCEentPl 2,6,8,12 Setup Wizard The stard sli gude you through the installation CHSCEentPlugh 2,6,8,12. This recommended that you does all other apple chscent and the starting Setup. The sli make it boots by compared. Click Next to continue.	ations o update
E.	Next >	Cancel
	CMSClientPlugin 2,6,8,12 Setup	
		• • •
Choose the folder in Setup will restal CHS	ation	- D X
Setup will restal CHS	ation which to instal CMIClemPlugn 2.4.8, 12. ClemPlugn 2.4.8, 12 m the following folder. To instal in a dif	e D X
Destrution Folder	ation which to instal CMIClemPlugn 2.4.8, 12. ClemPlugn 2.4.8, 12 m the following folder. To instal in a dif	



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 Pa	ssword 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.

Rosewill	150Mbps Wireless 1T1R Router
150M Wireless Lite-N Router RNX-N150RT	/irtual Server Entry
• Status Service Port:	9900 (XX-XX or XX)
Quick Setup IP Address:	192.168.2.169
• WPS • Network Protocol:	ALL
Wireless Status:	Enabled
DHCP	Lindolett
Forwarding	
Virtual Servers Common Service Port: Port Triggering	Select One 💌
• DMZ	
• UPnP	Save Back
Security	
Access Control Static Routing	
Bandwidth Control	
IP & MAC Binding	
Dynamic DNS	
System Tools	

Rosewil	l,	
150M Wireless Lite-N Router RNX-N150RT	DMZ	
Status Quick Setup WPS	Current DMZ Status: DMZ Host IP Address:	Enable O Disable 192.168.2.169
+ Network + Wireless + DHCP	-	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	ator	
User	admin	
Password	****	
Confirm	****	
Select	English	
0	K Canc	el

After registered, then you can login the CMS

Login			
User name	admin	8	•
Password	****		
Select	English	1	•
	OK	Cancel	

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

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Device IP	<u> </u>			
	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	****	
Auto Login	Disable	Device Type	new sdk	•
	ОК	Cano	el	

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

Кеу	Name
	Live View
	Remote Playback
	Local Playback
	E-Map
	Config
	(Screen) Lock
2	PTZ
• <u>©</u> •	Preset Point Setting
I	Cruise
₽	Video (Adjustment)

The Function Key in Live View:

Remote Playback



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



😫 Device Param Configruration				×
 Basic Eve Eve Record Schedule 	Basic			
 B- Sensor Alarm Motion Alarm Video Loss Alarm Alarm Out Other Alarm Network Users P. T.Z Remote system upgrade 	Device Name	My DVR]	
	Password Check	Close]	
	Show System Time	Open 💌]	
	Startup Wizard	Open 💌		
	Max Online Users	9 💌		
	Video Output	1024 X 768 (4:3) 💌		
	Screensaver[5]	Never]	
	Refresh Basic successfu	ılly!	Refresh	Set

Chapter 5 Mobile Surveillance

Android for Example, Apple App is Similar to this

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







	China Mobile	ିତ 🔶 .ା। 🗔 2:08PM			
	4	Device Info	<u>ě</u>		
	Regis	Register Type [Common login]			
	Name	Name Device2			
	Ip	device ip			
	F	Register Type			
	Common	login	۲		
	FUID		0		
Select "QR Code"	QR code		0		
	C.				







China Mobile ••• 🖬 🔠 😌 奈 📶 💷 5:07 PM									
	Li	ve	3	—	Click this				
	þ								



User Manual for Embedded DVR



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:Forget the password and can't access into system after chang the password.

A: When you forget the login password, please ask technical assistance from technician. A safe , easily remembered password is recommended.

3. 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.

4. 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 .

5. 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.

6. 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.

7. 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.

8. 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

9. 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.

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

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

11. 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.

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

A: Please check the following reasons:

PTZ Camera fault

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

③ The DVR PTZ setting is incorrect.

④ The PTZ decoder don't match to the DVR protocol;

(5) The PTZ decoder don't match the device address;

(6) 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.

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

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

14. Q: Why the Alarm is not working?

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

15. 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.

16. 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..

17. Q: How to do if forgetting password.

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

18. 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

19. 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.

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