

# **USER MANUAL**

# 4 Channels Dual Bay Style Enclosure Based Power Over Ethernet Network Video Recorder



## **INSTRUCTION MANUAL**

To obtain the best performance and ensure device function correctly, please read this instruction manual carefully and completely.

#### FCC Compliance

#### **USER-INSTALLER CAUTION:**

YOUR AUTHORITY TO OPERATE THIS FCC VERIFIED EQUIPMENT COULD BE VOIDED IF YOU MAKE CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE TO PART 15 OF THE FCC RULES.

#### NOTE:

THIS EQUIPMENT HAS BEEN TESTED AND FOUND TO COMPLY WITH THE LIMITS FOR A CLASS B DIGITAL DEVICE, PURSUANT TO PART 15 OF THE FCC RULES. THESE LIMITS ARE DESIGNED TO PROVIDE REASONABLE PROTECTION AGAINST HARMFUL INTERFERENCE WHEN THE EQUIPMENT IS OPERATED IN A COMMERCIAL ENVIRONMENT. THIS EQUIPMENT GENERATES, USES, AND CAN RADIATE RADIO FREQUENCY ENERGY AND IF NOT INSTALLED AND USED IN ACCORDANCE WITH THE INSTRUCTION MANUAL, MAY CAUSE HARMFUL INTERFERENCE TO RADIO COMMUNICATIONS.

OPERATION OF THIS EQUIPMENT IN A RESIDENTIAL AREA IS LIKELY TO CAUSE HARMFUL INTERFERENCE IN WHICH CASE THE USER WILL BE REQUIRED TO CORRECT THE INTERFERENCE AT HIS OWN EXPENSE.

# THIS CLASS B DIGITAL APPARATUS MEETS ALL REQUIREMENTS OF THE CANADIAN INTERFERENCE-CAUSING EQUIPMENT REGULATIONS.

## WARNINGS, CAUTIONS & COPYRIGHT

WARNING TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MISTURE. DO NOT INSERT ANY METALLIC OBJECT THROUGH VENTILATION GRILLS.



Page 2

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## CAUTION



## **Explanation of Graphical Symbols**



USERS OF THE SYSTEM ARE RESPONSIBLE FOR CHECKING AND COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND STATUTES COIPCERNING THE MONITORING AND RECORDING OF VIDEO AND AUDIO SIGNALS. ULTRAK SHALL NOT BE HELD RESPONSIBLE FOR THE USE OF THIS SYSTEM IN VIOLATION OF CURRENT LAWS AND STATUTES.

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# **TABLE OF CONTENTS**

1.	Live View	5
2.	Camera	
3.	Record	
4.	Alarm	
5.	Network	
6.	Authority	
7.	Storage	
8.	Svstem	
9.	Plaver	
10.	Plugin	
11.	Log List	



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## **ACCOUNT & PASSWORD LOGIN**

After connecting to the network or LAN; type directly the IP address of the NVR on the IE Browser directly. The following User name & Password Login window will pop up.

Windows Security ×						
iexplore The server 192.168.1.100 is asking for your username and password. The server reports that it is from .						
Warning: Your username and password will be sent using basic authentication on a connection that isn't secure.						
Username						
Password  Remember my credentials						
OK Cancel						

Enter Default user name & password: admin

## 1. Live View





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**NVR Configuration** 

- A. Configuration : Get into the NVR setup menu.
- **B.** Live : Click on the icon to return to Live mode interface from other modes.



C. C. C. Click on each icon to enter a 1 screen pattern or 1/4 screen pattern mode. Click on a channel screen twice to view its full image.



D. **Full Screen** : Click to enter full screen mode. You can still adjust the screen pattern by clicking on the icons below.



When clicking 4:

When clicking 1:



Press esc button on the PC keyboard to quit this mode.



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Click on the icon to enter **Time Search** page where you can see the time frame of your recorded video.

	2000	/01/01	00:0	2-40	<b>Fime</b>	Sea	irch	-				
	2000	Jan	00.0	× 200	00	~	0					
	Su	Мо	Tu	We	Th	Fr	Sa					
							1					
	2	3	4	12	6	7	8	REC Start Tim	ie:			
	16	10	18	12	20	21	22	2000-01-01 0	0:02:48			
	23	24	25	26	27	28	29	REC End Time	e:			
	- 30	31						2000-01-01 0	0:02:48			
	Time Hour Minu Seco	te nd	0	0:02:4	8							
0 3	6		9		1	2		15	18	21	23	
0 5 10	15	20		25		30		35 40	45	50	55	59
		S	itart F	Play	R	eturn		Exit				

Place your mouse cursor on the time frame where you would like to view the playback video from. Click on **Start Play** button to continue.



## f2. Event Search

After entry to the event search page, the user can click on the event log item which is displayed in a list on top right to start watching its playback video.

			E	ivent Searc	ch					
Time Filter				No. 🗢		Time		СН 🔶	Туре	¢ Length
🗆 1 Day 🗸				1		2000/01/01	00:07:00		PWR OFF	1 s
2000/01/01 00:02:48				2		2000/01/01	00:05:00		PWR OFF	1 s
				3		2000/01/01	00:02:48		PWR ON	1 s
to										
2000/01/01 00:02:48										
Event Type Filter	Channel F	ilter								
		incon								
☑ Power On	✓ CH01	CH01								
✓ Power Off	✓ CH02	CH02								
✓ Video loss	✓ CH03	CH03								
I Record	✓ CH04	CH04								
✓ Stop Record										
Camera Digital Input										
✓ PIR Detection										
≤ EXL. AldIIII										
		E	Event Filter	Return		Exit				

The user could click the Event Type Filter button to enter a list of events and select



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specific types to be included for being recorded on the video. Set the time range in Time Filter and tick any channels for the system to examine in Channel Filter.



Exit: Click to return to live mode.

- F. Recording : Click to start recording the live video to PC or storage device. A window will pop up on the screen for user to set up the recorded file saving path.
- G. **Snapshot** : Save a single picture from the image. A window will pop up on the screen for user to set up the snapshot file saving path.



Audio Out : Click this icon to enable/disable the audio.



Audio In : Click the icon to enable or disable the one way audio.

Backup : Offers to set up and manage video back-up files.



Set up the StartTime, EndTime, and assign which channel (CH01~CH04) to record the backup files from. For Backup type, once the storage device or destination is set ready, click Start to proceed or Stop to cancel.

You can choose to have the files stored on a cloud drive like "Google Drive" or "Dropbox" and share them with others for convenience.



## **Google Drive**

If choosing Google Drive make sure that your Google Account is set to "Allow less secure Apps" 1. create a path "Legrand/backup" on Google drive

And select the time and choose Google drive and then press login



2.press allow



3. copy authentication code



4.paste authentication code, press "Send code, if it is successful, you will see "finish setting"



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5.press save and begin uploading to cloud



## 6.After finishing, will show "Upload process finish"

D+96 SView 3	× G Success code+4/HN3MSPp3		- ° × n + ¤
L1 legrand		c 3	
2017/2/13 17:19:50 <u>+</u> ½ 1 <u>4</u>	Backup Audio in Audio		
Court Record Time: 2017-11-23 03: StartTime: 2017/11/29 03:00 EndTime: 2017/11/29 03:10 Local - Go OAUTISZEC	nload 46:00 ~ 2017-12-13 17:15:00		
Estimated Time Elapsed Time:	<u>az</u>		

## 7. The files will be located on Legrand/backup

💪 backup - Google 書端硬碼 🗙				8 4					- 0	×
€ → ୯ û	Attps://drive.google.com/drive/u/0/folders/1	adyT7w4acmYGLsI5YpTFEMAmpqpZi3cD			···· 🖾 🖓 🖽				III\ E	0 =
Google 雲端硬碟	Q. 搜寻盘编短碟		-					ш	0	•
新用	我的雲端硬碟 > Legrand > backup	p ~						ш	0	۵
• 🖸 ###################################	名籍 个				擁有者	上次爆改日期	檔案大小			
• @8	29030000.ha0				教	下午5:18 我	151 MB			
<b>二、</b> 與我共用	29030440.ha0				和	下午5:19 我	151 MB			
<ul> <li>近期存取</li> <li>Google 相関</li> </ul>	29030909.ha0				ħ	下牛5:19 我	27 MB			
自 拉泉橋										
已使用 330 MB + 共 15 GB										
升级媒存空間										
文明 取得 Backup and Sync × Windows 版										



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## **Dropbox Cloud backup**

1. create the path of Legrand/backup and select the period which want to backup and choose Dropbox and press Login



4.paste the authentication code and press Send Code





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5. If the code is right, you will see "finish setting", press "save" to begin uploading



6. After finishing, you will see "Upload process finish"



7. The files are located at Legrand/backup

CO Https://www.dropb	ax.com/home/Legrand/backup	🕽 🖉 View 😌 backup - Dropbox	×	_	- 0 <del>- ×</del> ∩ ☆ 0
編集(F) 編編(E) 檢視(V) 我的話	takw I⊈IT 88800 Dropbox > Legrand > backup			(4) 授辱	
檔案	名稱 +	上兴爆取 *	小成員、そ	:≡ *	
教的機能	a 29030000.ha0	3分鐘約	僅現您		共享資料夾
相案請求 已删除檔案	👄 29030440.ha0	1分鐘前	僅現您		1 LORR
	🛥 29030909.ha0	1分鐘前	僅現怎		<ul> <li>新資料夾</li> <li>顧示翻除的編案</li> </ul>



## K. PTZ Control Panel

For PTZ camera settings & controls.



- L. Display Mode: Sequence 20 Display Mode : Select a mode from Single, Quad, or Sequence. Single enables 1 single channel screen pattern, and Quad enables 1/4 screen pattern. Select Sequence to start switch dwell. The interval time drop down menu will pop up right after Sequence is selected.
- M. Online Visitor : Users log on to this interface at the same time are limited to 8 people.



Page 13

# 2. Camera

## A. Camera Setup

Helps connect and operate the IP camera from your NVR. Be sure your IP cameras and NVR are connected in the same LAN.

				$\bigcirc$	Q
Camera		Ca	mera	Live	Config
Camera     Record		0.	mera		
<ul> <li>Alarm</li> </ul>		Video Setup	Image Setup	Motion Setup	
Network	Mask Setup	Audio Setup	PIR Setup	Quick Setup	
<ul> <li>Authority</li> </ul>		KIZANA MU	100		
<ul> <li>Storage</li> </ul>		AN AND AN			
<ul> <li>System</li> </ul>		N States			
<ul> <li>Player</li> </ul>					
<ul> <li>Plugin</li> </ul>					
<ul> <li>Log List</li> </ul>		and the second s			
	Channel: C	H1 ~			
	Mode:No Mode: N	ormal Mode			
	IPCam Quick Search:	Installer			
	IP Address: Port 80	92.168.1.44			
	User Name <mark>a c</mark>	Imin			
	Password:	onnect Success!			
		Simeer Successi			Apply
in a su ID la steller t	a atout a couch				

Clicking on IP Installer to start searching for IP cameras online.

#### A-1. IP Installer

Camera								
Camera Setup	Video Setup	Image Setup	Motion Setup					
Mask Setup	Audio Setup	PIR Setup	Quick Setup					
Mode:Normal M	lode							
Up Next 1/1								
Server Name	Device Name	IP Address						
IP_Camera	Device_80	192.168.1.200	Edit Use					
		0.0.0.0	Edit Use					
		0.0.0.0	Edit Use					
		0.0.0.0	Edit Use					
		0.0.0.0	Edit Use					
			Close					

Click **IP Installer** to begin the search. The NVR will search for any network device in connection with the NVR. You can edit the IP address of the IP camera by clicking **Edit** icon.

The IP camera has to be under the same LAN with NVR in order to be successfully connected. For example, if the NVR IP address is 192.168.1.33, the IP Cam IP address should be



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 www.

192.168.1.X.

Click on **Use** icon to connect the IP\_Camera from the list. If it is connected successfully, the whole page will return to the **Camera Setup** page as below.



#### B. Video Setup



#### **B-1. Channel**

Click the drop down list to change the channel of the live video preview.

#### B-2. Video Input Size

Click the drop down list to change the input size of connecting device.

#### B-3. Video Input Size

Click the drop down list to change the resolution of connecting device.

#### B-4. Quality

Click the drop down list to change the image quality.



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#### **B-5. Frame Rate**

Click drop down list to change the frame rate of connecting device. Click **Apply** after the quality rate of the camera is set.



## C. Image Setup

#### C-1. Display

Use the mouse to click enable or disable for the camera display on the screen or not.

#### C-2. Camera Title

Input the title of the connecting IP device.

#### C-3. Dwell Time

Press + or - to change auto switch seconds.

#### C-4. Contrast

Press + or - to change contrast level.

#### C-5. Brightness

Press + or - to change brightness level.

#### C-6. Hue

Press + or - to change hue level.

#### C-7. Saturation

Press + or - to change saturation level.



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#### C-8. Sharpness

Press + or - to change sharpness level.

#### C-9. Shutter Time

Choose the location of your camera or a fixed shutter time. The shorter the shutter time is the less light the camera receives and the image becomes darker. Note: When you select a number in Shutter Time, it will vary in a range corresponding to the camera automatically.

#### C-10. D-WDR

This function enables the camera to reduce the contrast in the view to avoid dark zones as a result of over and under exposure.

#### C-11. Day & Night Mode

There are 3 types of sub-modes under this mode to suit different needs of user's recording preference: **Color**, **Auto**, and **Gray**. For **Set Time** mode, the camera can be operated by the time this mode has assigned with.

#### C-12. Night to Day Lux

Click to choose the lux level ranged from 5~50 at night.

#### C-13. Day to Night Lux

Click to choose the lux level ranged from 1~40 at day time.

#### **D.** Motion Setup



Press + or - to change the relay time or disable the relay function.



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#### D-2. Buzzer Dwell

Press + or - to change the buzzer time or disable the buzzer function.

#### D-3. Area1 / 2 / 3 Sensitivity

Press + or - to change the sensitivity value of motion in 3 Areas from 1, 2, & 3. Click **Set** and leftclick your mouse button to drag a **blue**, green, or red area for motion areas.

#### D-4. Motion Area Setup

The picture above shows how all 3 different areas are set within 3 different frames. Each framed area is assigned to each color.

All: Set motion detection for the whole area of the screen. Clear: Clear the area of the current color in the view. Apply: Save the settings and keep the change.

#### E. Mask Setup

#### E-1. Mask1 / 2 / 3

The pictures above show how all 3 different areas are set within 3 different colored frames. Tick the "Mask1/2/3" box and click "**Set**". Start dragging your masked areas in **blue**, **green** or **red** by clicking your mouse anywhere on the screen.

#### E-2. Masked Area Setup

The picture above shows how all 3 different areas are set within 3 different frames. Each framed area is assigned to each color.

All: Set motion detection for the whole area of the screen. Clear: Clear the area of the current color in the view. Apply: Save the settings and keep the change.



The live view will display the masked areas in black blocks.

## F. Audio Setup



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		C	amera	a		
Camera Setup	Video Se	tup	I	mage Setup	Motion Setup	
Mask Setup	Audio Se			PIR Setup	Quick Setup	
Audio Setup:⊠CH01	ZCH02	✓CH03	✓CH04			
					Арр	ly

The channel ticked means the sound from the network camera will be recorded into the playback video. On the contrary, no sound will be recorded in playback video for the channel not ticked.

## G. PIR Setup

Adjust the Buzzer Dwell time and its Interval after the Enable box is ticked. Please be sure your camera also supports the PIR device.



## H. Quick Setup

Other than "Camera Setup", you can choose another way to complete the IP camera connection job: using Quick Setup.



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_						
			Camera			
Camera S	etup	Video Setup	Image Setup	Mot	ion Setup	
Mask Se	tup	Audio Setup	PIR Setup	Quick Setup		
Quick Set	up					
Enable	IP Address	Port	User	Password	CH	
Enable	192.168.1.241	80	admin	••••	1 🗸	
Enable	192.168.1.241	80	admin	••••	2 🗸	
Enable	192.168.1.241	80	admin	••••	3 🗸	
Enable	192.168.1.241	80	admin	••••	4 ∽	
1 ~					Quick Search Save	

#### H-1. Key-in information manually

All the channels are enlisted and displayed. You can key-in the IP address, port, and user name & password of the IP camera, and then assign the channel number. Tick "Enable" to connect to the IP camera.

#### H-2. IP CAM Quick Search

With Quick Search, you do not need to type the IP address. Click "IP CAM Quick Search" to enter the search menu.

The NVR searches for all the IP devices listed in the LAN. Find the IP camera you want to connect to, assign a channel number for it, and tick "Enable" so for enabling this IP camera and adding it to all-channel list.

Camera Quick Sea	arch		
Up Next 1/1			
Server Name	Device Name	IP Address	Edit CH Enable
IP_Camera	Device_80	192.168.1.200	Edit 1 🗸 🗖
		0.0.0.0	Edit 2 🗸 🗖
		0.0.00	Edit 3 🗸 🗖
		0.0.00	Edit 4 🗸 🗖
		0.0.0.0	Edit 1 🗸 🗖
			Save Close

Back to the all-channel list, you can key-in the user name and password, and tick "Enable" to connect to the camera. If you want to revise the IP setting of a camera, click "Edit":

The IP Cam has to be under the same LAN with NVR in order to connect successfully. Ex. If the NVR IP address is 192.168.10.33, the IP Cam IP address should be 192.168.10.X. You can edit the IP Cam IP address here or on the IP Cam.

If all settings are confirmed, be sure to Save the settings before clicking on Close.



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 Page 20
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## 3. Record

	Record	
Record Setup		
Record Setting		
Pre-Alarm Recording Time: 10 sec	Θ	- +
Post-Alarm Recording 10 sec Time: 10	Θ	- +
Mobile Record: Disable 🗸		
Mobile Push Video:Enable 🗸		
Record Mode: Manual	✓	
		Apply

## A. Pre-Alarm Record Time / Post-Alarm Record Time

Pre-alarm record means the recording <u>before</u> the alarm is triggered; post-alarm record means the recording <u>after</u> the alarm is triggered. If you set 5 seconds for pre-alarm and 5 seconds for post-alarm, the alarm recording length will be 10 seconds in total.

## B. Mobile Record / Mobile Push Video

Choose "Enable" to begin both the Mobile Record streaming and Mobile Push Video for mobile viewing.

## C. Record Mode

The record mode will be applied to all channels simultaneously. During the recording, the NVR will record both main streaming and sub streaming from the IP Cam. Use the drop down list to switch recording modes.



Page 21



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A bar will pop up down below, with the **b**utton flickering. Click **b** to stop recording.

## C-2. Schedule:

		Rec	ord	
Record Setup	Schedule	Mail Schedule	FTP Schedule	
Record Setting	J			
Pre-Alarm Recordin	g Time: <mark>10</mark> sec		Θ ———	$\oplus$
Post-Alarm Re	cording <mark>10</mark> sec Time: 10		Θ ——	Ð
Mobile	Record: Enable	e 🗸		
Mobile Pusł	n Video: <mark>Enabl</mark> e	e 🗸		
Record	d Mode: <mark>Sched</mark>	ule 🗸		
Alarm Record C	hannel: <mark>Alarm</mark>	Chann 🗸		
				Apply

Click on the drop down list from the **Record Mode** on the right, and select **Schedule**. There will be three Setup options available: **Schedule Setup**, **Mail Schedule Setup**, and **FTP Schedule Setup**.

Users can assign the schedule to any channel by clicking on ALL / CH on top right of each setup menu. Press + or - to change the channel to apply to.



Page 22

#### a. Schedule Setup:

Click the tag "FULL REC" (Red) / "ALARM REC" (Yellow) / "NO REC" (Green), and then draw on the calendar. The recording type will follow the schedule. The tag "ALARM REC" includes all the alarm types.

#### b. Mail Schedule Setup:





Select the time that the recording video is sent to the mail address. No mail will be sent during "**NO MAIL**" period even the motion detection is triggered. The tag "**ALARM MAIL**" refers to both external alarm and DI from camera.





Select the time that the recording video is uploaded to FTP. No file will be uploaded during "**NO MAIL**" period even the motion detection is triggered. The tag "**ALARM FTP**" refers to both external alarm and DI from camera.

#### C-3. Alarm Trigger

Start recording when any type of alarm event occurs. The recording video length is according to the setting of "Pre-Alarm Record Time/Post-Alarm Record Time".



Page 23

# 4. Alarm

## A. Alarm Trigger Setup

			Alarm
Alarm Trigger	Alarm Output	Alarm Event	ıt
Alarm Trigg	ger Setup		
	Alarm Auto Switch: C	lose	✓
	Auto Switch Timer: 5	s (5-30)	
V	ideo Loss Detection: O	)pen	✓
C	)igital Input (IPCam): O	)pen	✓
	Ext.Alarm Detection:	)pen	✓
	Ext.Alarm Mode: N	I.O	✓
H	IDD Temp. Warning: C	lose	✓
HDI	D Temp. Limit Value: <mark>5</mark>	5°C (55-70)	
			Apply

#### A-1. Alarm Auto Switch / Auto Switch Timer

Use the drop down list to switch the alarm auto switch. When the alarm is triggered, the screen will switch to full screen, 4CH split screen or disable. Set the lasting seconds in **Auto Switch Timer** for full / split screen modes.

#### A-2. Video Loss Detection

Use the drop down list to switch the video loss detection. When the video loss is detected, the alarm will be triggered.

#### A-3. Digital Input (IP Cam)

Use the drop down list to switch on /off the Digital Input from IP camera. When the DI signal is received from the camera, the alarm will be triggered.

#### A-4. Ext. Alarm Detection

Use the drop down list to switch the external alarm detection. When the external alarm is detected, the alarm will be triggered.

#### A-5. Ext. Alarm Mode

Use the drop down list to switch the external alarm mode. If the external alarm is setup for normal open, the option has to switch to N.O.; for the contrary, the option has to switch to N.C.

#### A-6. HDD Temp Warning

Select **Enable** from the drop-down list to trigger the buzzer whenever the storage device gets overheated.

Page 24

#### A-7. HDD Temp. Limit Value

Set the temperature limit between 55~70.

## **B.** Alarm Output Setup



	Alarm
Alarm Trigger Alarm Output Alarm	n Event
Alarm Output Setup	
Alarm Buzzer Time: <mark>5</mark> s	$\ominus$ $\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$
Video Loss Buzzer Time: <mark>5</mark> s	$\Theta_{igodom}$ $\oplus$
Alarm Relay Time: <mark>5</mark> s	$\Theta_{igodom}$ $\oplus$
Video Loss Relay Time: <mark>5</mark> s	$\Theta_{igodom}$ $\oplus$
	Apply

This control item is divided into two parts, "Buzzer Time" and "Relay Time". The user can press + or - to switch the external buzzer time and video loss buzzer time in "Buzzer Time" option. The adjustment value is from 5 to 99 seconds. Moreover, among "Relay Time" option, users can press + or - to switch the external buzzer time and video loss buzzer time. The adjustment value is also from 5 to 99 seconds.

The Value of Ext. Alarm Buzzer / Relay Time determine the buzzer / relay time of both external alarm in and digital input (IP Cam).

## C. Alarm Event Setup

		Alarm
Alarm Trigger Alarm	Output	Alarm Event
Alarm Event Setup	)	
Power On O	Enabled	Disabled
Power Off O	Enabled	Disabled
Video Loss O	Enabled	Disabled
Motion O	Enabled	Disabled
Record •	Enabled	Disabled
Stop Record •	Enabled	Disabled
Digital Input o	Enabled	Disabled
Ext.Alarm Event o	Enabled	Disabled
PIR Detection O	Enabled	Disabled
		Apply

There are nine types of events that can be selected. When the selected items occur and triggered, the log will be recorded in the event playback list.

Page 25



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# 5. Network

## A. IP Setup

				Ne	twork		
IP Address	PPPoE	DDNS	Mail	FTP	DHCP	Status	Connection Status
IP Setup							
LAN							
	IP Mode	E ● DHCP	<ul> <li>Static</li> </ul>				
	IP Address	s: <mark>192.168</mark> .1	1.100				
	Subnet Mask	c <mark>255.255.</mark>	255.0				
	Gateway	r. <mark>192.168.</mark>	1.252				
	DNS 1	l: <mark>192.168.</mark>	1.252				
	DNS 2	2: 168.95.1	.2				
W	eb Page Por	t: <mark>8</mark> 0					
UPnP Por	t Forwa	rding					
	Enable	d					
Extern	al HTTP Port	t: <mark>8</mark> 0					
							Test
							Apply

#### A-1. IP Mode

Select the IP mode from Static IP to DHCP.

A-2. IP Address

Input the NVR IP Address.

#### A-3. Subnet Mask

Give the subnet mask which we usually set to 255.255.255.0.

#### A-4. Gateway

Give NVR gateway.

#### A-5. DNS1 & DNS2

Key-in DNS1 and DNS2 that provided by ISP.

#### A-6. Web Page Port

Give the NVR http port for web browser. Default is 80.

## **B. UPNP Port Forwarding**

#### **B-1. Enable**

Use the checkbox to enable or disable UPNP port setup.

## **B-2. External HTTP Port**

Use the virtual keypad to insert the external http port.



301 Fulling Mill Road, Suite G Middletown, PA 17057 Page 26 (800) 223-4162

## C. PPPoE Setup

				Net	twork		
IP Address	PPPoE	DDNS	Mail	FTP	DHCP	Status	Connection Status
PPPoE Se	tup						
PI	PPoE Setting	: o Enable	d 🔍 l	Disabled			
	Username						
	Password						
Passv	word Confirm						
	State	. IDLE					
	IP Address						
Send ma	il after dialed	: 🗹 Enabled					
	Subject	NVR is d	lialed				
							Apply

#### C-1. PPPoE Setting

Choose to Enable or Disable PPPoE.

#### C-2. Username

Insert the user name (ADSL account) which provided from local ISP.

#### C-3. Password

Insert the password which provided from local ISP.

#### C-4. Password Confirm

Insert the password again to confirm the password.

## C-5. State

Present the current status of PPPoE function.

## C-6. IP Address

Input the IP Address.

## C-7. Send Mail After Dialed

Click the drop down list to enable or disable the function.

#### C-8. Subject

Insert the mail subject when dialed successfully.

## D. DDNS Setup

Legrand offers a free DDNS service for users of our IP based products. To register for a friendly name, e.g. "smith.legrandhome.net", for your client to be able to view any of their devices that are port forwarded please email Legrand's tech support at <u>technical.support-HS@legrand.us</u>. In the email ask for the legrandhome.net DDNS service and provide the username (keep it short but memorable) and a password. You will receive an email

Page 27



301 Fulling Mill Road, Suite G

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confirming the service is active and provide the information you need to complete setup.



#### **D-1. DDNS Setting**

Click to enable or disable the DDNS function.

#### **D-2. DDNS Provider**

Click the drop down list to select the DDNS server. (If using the free Legrand DDNS service choose no-ip.com.)

#### D-3. Host Name

Insert the registered host name in the selected provider. (If using the free Legrand DNS service enter the "Host Name" (username.legrandhome.net) listed on the email sent informing of the service activation.)

#### D-4. Username

Insert the registered user name in the selected provider. (If using the free Legrand DNS service enter the "Username" (username#Legrand) listed on the email sent informing of the service activation.)

#### D-5. Password

Insert the registered password in the selected provider. (If using the free Legrand DNS service enter the "Password" listed on the email sent informing of the service activation.)

#### **D-6. Schedule Update**

A period of time to update IP address.

#### D-7. State

The state after applied to DDNS. **Updating:** Information update. **Idle:** Stop service. DDNS registered successfully, now log by http://<username>.legrandhome.net: Registered successfully. **Updating Failed:** the name is already registered. **Updating Failed:** please check your internet connection.



301 Fulling Mill Road, Suite G

#### E. Mail Server

				Net	work			
IP Address	PPPoE	DDNS	Mail	FTP	DHCP	Status	Connection Status	
Mail Serve	er							
L Tri	igger Mode							Event Mail
Ν	/lail Server:							
5	SMTP Port: 2	25						
	Username:							
	Password:							
Sei	nder's Mail:							
Rece	eiver's Mail:							
	Bcc Mail:							
Eve	ent Subject: <mark>A</mark>	ALARM TF	RIGGER!					
✓ Secure C	Connection:	ITLS ⊻SS	SL.					
								Test
								Apply

#### E-1. Enable

Tick **"Trigger Mode**" to send video to the mail address when external alarm or DI from IP Cam is triggered.

#### E-2. Event Mail

	Event Mail Setting	
Video Mail		
Alarm	Motion	
PIR Detection		
Message Mail		
Power On	Video loss	
Start Record	Stop Record	
Record Error	Load Default	
HDD Warning		
		Apply

#### Video Mail

#### Alarm / Motion / PIR Detection

Sends a video notification via email for Alarm-in and/or Motion detection

#### Message Mail

Power On : A notification will be sent via email when the NVR starts or reboots.
Start Record : A notification will be sent via email when the NVR starts recording.
Record Error : A notification will be sent via email when the recording fails.
HDD Warning : A notification will be sent via email while recording in the HDD fails.
Video Loss : A notification will be sent via email when image or Internet connection is lost.
Stop Record : A notification will be sent via email when the NVR stops recording.
Load Default : A notification will be sent via email when the NVR load the default settings.

Page 29



301 Fulling Mill Road, Suite G Middletown, PA 17057 (800) 223-4162

#### E-3. Mail Server

The IP address of Mail Server

#### E-4. SMTP Port

The port of SMTP (Simple Mail Transfer Protocol). (Default value is 25)

#### E-5. Username

The user name while log in to the mail server.

#### E-6. Password

The password while log in to the mail server.

#### E-7. Sender's Mail

Enter the sender's account when the mail is sent via this mail server. If you are using Gmail as a sender account, make sure that your Google Account is set to "Allow less secure Apps"

#### E-8. Receiver's Mail

Enter the receiver's mail account.

#### E-9. BCC Mail

Enter the receiver's BCC mail account.

#### E-10. Event Subject

Enter the subject of the mail.

#### E-11. Secure Connection

When ticked, the user can choose connection type between SSL or TLS.

## F. FTP Server

				Net	twork		
IP Address	PPPoE	DDNS	Mail	FTP	DHCP	Status	Connection Status
FTP Serv	er						
F	TP Setting: I	Alarm ■	Aotion 🗖 🖡	PIR detect	tion		
F	TP Server:						
	Username:						
	Password:						
	Port:	21					
	Path:	/ALARM/					
							Test
							Apply

#### F-1. FTP Setting

Tick **ALARM** to upload video to FTP when external alarm or DI is triggered. Tick Motion to upload video to FTP when motion detection is triggered. Tick **PIR DETECTION** to upload video to FTP when PIR detection is triggered.

#### F-2. FTP Server

The IP address of FTP Server.



301 Fulling Mill Road, Suite G Middletown, PA 17057 Page 30 (800) 223-4162

#### F-3. Username

The username while log in to the FTP server.

#### F-4. Password

The password while log in to the FTP server.

#### F-5. FTP Port

The port number of file transmission. (Default value is 21)

#### F-6. Path

The ftp path where the user wants to save the information. Finally, click **Test** to see if the settings can fully function.

## G. DHCP Server Setup

Network									
IP Address	PPPoE	DDNS	Mail	FTP	DHCP	Status	Connection Status		
DHCP Ser	ver Seti	up							
	Enabled								
Start II	P Address: 1	92.168.80.	.1						
End II	P Address: 1	92.168.80.	254						
Le	ease Time: 1	0		)ays					
								Apply	

#### G-1. Enabled

Tick the Enabled box to enable or disable the DHCP Server function. Once the function is activated, the NVR can act as the DHCP server. It will assign or distribute one of the IP addresses according to the setup IP address range (start and end IP Address.) to the connecting IP CAM (setup DHCP function).

#### G-2. Start IP Address

Use the virtual keypad to insert the start IP Address of DHCP server.

#### G-3. End IP Address

Use the virtual keypad to insert the end IP Address of DHCP server.

Page 31

#### G-4. Lease Time

Input the lease time of DHCP server.

## H. Status



Network										
IP Address PPPoE	DDNS	Mail FTP	DHCP	Status	Connection Status					
POE Switch Status										
Port1	Port2		Port3		Port4					
Used Power :0W	Used Pow	er:0W	Used Pow	er:0W	Used Power :4.54W					
Restart :	Restart :		Restart :		Restart :					
Total Used Power : 4.54W										
The Total Limit: 72W										

#### H-1. POE SWITCH Status:

Click in the POE SWITCH Status button to check on the POE connection status.

#### I. Connection Status

				Net	twork		
IP Address	PPPoE	DDNS	Mail	FTP	DHCP	Status	Connection Status
Network Co	Network Connectivity Status						
				Rec	eive(Rx)		Transmit(Tx)
	bit/s	ec(LAN1)		4	kbit/s		4 kbit/s
		max		24	4 kbit/s		4.69 Mbit/s
	a	verage		0	kbit/s		0 kbit/s
		min		0	kbit/s		0 kbit/s
	packet	s/sec(LAN1)	)		05		02
		max			351		544
	а	verage			01		00
		min			00		00
	Remainin	ig Record Ti	me	000 Day	ys 00:00:00		

#### I-1. Network Connectivity Status

Browse through details of the connection status. You may consider how you want to set up your streaming mode by acquiring information provided here.

## 6. Authority

	Authori	ity	
Authority Setup User Setup			
Authority Setting			
HDD Format(Require Password Comfirmation):	Enable	Disable	
Anonymous Rmote User Login:	Enable	• Disable	
Local User Login(Password Protection):	€Enable	• Disable	
Keyboard Lock:	Enable	• Disable	
Auto logout when menu closed:	Enable	• Disable	
			Apply

# A. HDD Format (Require Password Confirmation)



301 Fulling Mill Road, Suite G Middletown, PA 17057 (800) 223-4162

Tick the box to enable or disable the operation which allows the user to insert the password before performing the HDD formatting.

#### **B.** Anonymous Remote User Login

Tick the box to enable or disable the authority of the anonymous user login. Once enabled, the user can view the live image via IE browser without having to insert the username/ password.

#### C. Local User Login (Password Protection)

Tick the box to enable or disable the authority of password protection.

#### **D.** Keyboard Lock

Tick the box to enable or disable the control bar of live view.

#### E. Auto logout when menu closed

Tick the box to enable or disable the operation. Enabling this operation will allow the system to log out automatically after the menu is closed.

#### F. User Management

The administrator can set up the user management permission & user authority management.

Authority Setup User Setup	Α	uthority	
User List			
Username	Modify	Remove	Add User
admin	Edit		

#### F-1. Permission

Click on Edit and the tick the checkboxes from the pop-up window to modify the user authority.



	Authority	
Authority Seti	User_Setting - Internet Explorer 🛛 🗖 🗙	
User List	aboutblank	 ▲
U	Username:	Add User
	Password:	
	Network Login	
	☐ Record ON/OFF ☐ Play/Event	
	PTZ Backup	
	Menu Setup(Local)	
	Record Setup	
	Alarm Setup Network Setup	
	Disk Setup	<u> </u>

#### F-2. Add User

After clicking the Add User button, the setup page will be called-out as the following. The administrator can distribute the authority and the permission for the new user.

		Authority		
Authority Setup	C User_Settin	ig - Internet Explorer	- • ×	
	<i> about:blank</i>			
User List			~	
	U	ser Setup		
Usern	No:	1		Add User
adır	Username:	admin		
	Password:	••••		
	Confirm:	••••		
	Vetwork Login			
	Record ON/OFF			
	Play/Event			
	V PTZ			
	Sackup			
	Menu Setup(Local)			
	Camera Setup			
	Record Setup			
	🗹 Alarm Setup			
	✓ Network Setup		$\sim$	



301 Fulling Mill Road, Suite G Middletown, PA 17057 (800) 223-4162

Page 34

# 7. Storage

_		Storage		
Disk Setup	Disk Information			
Disk Setti	ng			
	Overwrite Mode: <mark>OFF ∽</mark>			
	Hard Disk Full Warning: 20% V			
	Reserve Mode: ON 🗸			
	Reserve Day: 13	-	$\ominus$ $\oplus$	
Disk Warr	hing Time: 10 $ ext{Description}$ –		$\oplus$	
				Apply

## A. Overwrite Mode

Select "ON" for the oldest recording data to be overwritten by new recording data. Select "OFF" for the NVR to stop writing data into the HDD when it is full.

## **B. HDD Full Warning**

Enable this option by setting Overwrite Mode to OFF, and click + or - to change values from 25% to 5%. When HDD space is less than setting ratio, the buzzer will react.

## C. Reserve Mode

Click + or - to setup the active time between 1~30 days.

## D. Disk Warning Time

Set up the interval for displaying a warning message regarding the health condition of the storage device to the user from 1~60 minutes.

## E. Storage Information

Storage					
Disk Setup	Disk Information				
Storage I	nformation				
Device	Capacity	Left	TEMP	Status	Health
HDD1					GOOD
					Format HDD

The information of storage device will be displayed on this page. Your **Hard Disk Device** needs to be replaced if its health condition is not displayed as GOOD.

Clicking on **GOOD** icon to check its status.



6	🦉 SMART_Status - Internet Explorer 🛛 🗕 🗖 🗙							
🧭 about:blank								
Disk:1							)	Q
Status	ID	Attribute Name	Current	Worst	Threshold	Raw Value	е	Config
GOOD	01	Read Error Rate	100	100	50	0		
GOOD	02	Throughput Performance	100	100	50	0		
GOOD	03	Spin-Up Time	100	100	1	56A		
GOOD	05	Reallocated Sectors Count	100	100	50	0		
GOOD	07	Seek Error Rate	100	100	50	0		
GOOD	08	Seek Time Performance	100	100	50	0	n	
GOOD	0A	Spin Retry Count	100	100	30	0	)	
GOOD	BF	G-Sense Error Rate	100	100	0	0	nat	
GOOD	C2	Temperature	100	100	0	2A001B0027	nat	
GOOD	C4	Reallocation Event Count	100	100	0	0		
GOOD	C5	Current Pending Sector Count	100	100	0	0		
GOOD	C6	Uncorrectable Sector Count	100	100	0	0		
GOOD	C7	UltraDMA CRC Error Count	200	200	0	0		
GOOD	DC	HDD Shift	100	100	0	0		
GOOD	DE	Loaded Hours	100	100	0	1		
GOOD	E0	Load Friction	100	100	0	0		
GOOD	E2	Load 'In'-time	100	100	0	114		
						Exit		
							Γ_	

## F. Format HDD

	Storage
Disk Setup	Disk Information
User Login	
	User:
F	Password:
	Login Cancel

Insert the user name and password while performing the HDD format function. Click Login to continue.

# 8. System

## A. Information

System							
Information	Software Update	Daylight Saving Time					
Status Display	System Setup	Time Setup					
System Information							
Device Name: NV	R-04						
MAC Address: 00	:0f:0d:00:16:f6						
Monitor Adjust							
Monitor Resolution: Au	to v						
			Reboot Apply				

Page 36

## A-1. Device Name



301 Fulling Mill Road, Suite G Middletown, PA 17057 (800) 223-4162

Use the virtual keypad to insert the name of the NVR.

#### A-2. MAC Address

It is permanent for the NVR and cannot be revised.

#### A-3. Monitor Resolution

Press + or - to adjust the monitor resolution. Please check the frame rate what your LCD monitor supports before any adjustment. If you select a resolution not compatible with the LCD monitor, the system will automatically undo the recent changes.

#### A-4. Reboot

Message from webpa	age ×
System will automatically	reboot.
ОК	Cancel

## **B.** Software Update

	Syste	m	
Information	Software Update	Daylight Saving Tin	ne
Status Display	System Setup	Time Setup	
System Update			
Firmware Version: WebPlugin Version: Onvif Version:			
New Firmware:		browse	Upgrade
			Network Upgrade
Load Default			
Load Default Setup:			Apply
Load Setup From:		browse	Upload
Backup Setup:	Download		

#### **B-1.** Versions

A list of Firmware Version, WebPlugin Version, and Onvif Version for this NVR is displayed.

#### **B-2. New Firmware**

Click on the "browse" button to select the firmware file and then press "Upgrade" button to upgrade the firmware. Click Network Upgrade button to check whether the firmware version is the latest.

#### B-3. Load Default

#### Load Setup from Default

Click "Apply" to reset the machine and revert all setting back to default value.

Load Setup from



301 Fulling Mill Road, Suite G Middletown, PA 17057 Page 37 (800) 223-4162

Click "**browse**" to choose a file. You can load setup from your computer if you ever clicked "**Download**" and saved the settings before.

#### Backup Setup

Click **"Download**" to save a current setting file to PC. You can apply this file to other NVR so that the setting will be copied to other NVR.

## C. Daylight Saving Time

System									
Infoi	rmation	So	ftware	Update	D	aylight Sav	/ing Time		
Status Display			System	Setup		Time S	etup		
Daylight	Daylight Saving Time Setup								
Enabled	Disabled								
Start Month:	JANUARY	~	Week:	NO.1 ~	Day:	SUNDAY	~	Start Time:	00:00 ~
End Month:	FEBRUARY	~	Week:	NO.1 ~	Day:	SUNDAY	~	End Time:	00:00 ~
Offset:	+0:30 ~								
									Apply

Edit the start and end daylight saving time. During daylight saving, time will be 1 hour faster.

**D. Status Display** 

System									
Information	Softwa	re Update	Daylight Saving Time						
Status Display	Syste	m Setup	Time Setup						
Status Display Setup	)								
Date and Time Display:	Enabled	Disabled							
Record Information Display:	Enabled	Disabled							
Camera Title Display:	<ul> <li>Enabled</li> </ul>	Disabled							
Camera IP Display:	<ul> <li>Enabled</li> </ul>	Disabled							
				Apply					

Select the items that will be displayed on local NVR.

## E. System Setup



System									
Information	Software Update	Daylight Saving Time							
Status Display	System Setup	Time Setup							
System Setup									
Language: English	$\checkmark$								
Device ID: 0	$\ominus \oplus$								
Date Format: YYYY-MM-	DD V								
			Apply						

#### E-1. Language

Use the drop down list to change the NVR language.

#### E-2. Device ID

The ID is used for distinguishing NVRs with a remote controller or RS485. Enter a different ID when you are operating several NVRs at the same time.

#### E-3. Date Format

Select a format of date display.

#### F. Time Setup

Select between NTP, Synchronize with PC's time, Manual, The date and time remain the same for setting the server time.

Status Display	System Setu	o Time Setup
NTP Setting		
NTP:		
NTP Server: 19	8.123.30.132	
Update: 6	✓ Hours	
Time Setting		
Server Time: 20		
Time zone: G	00:80+TN	
Synchronize with PC's time:		
Date: 20	16/08/23	
Time: 17	7:36:01	
Manual:		
Date: 20	16/08/23	
Time: 17	7:35:20	
The date and time remain the same:		
		Apply

#### F-1. NTP Setting

Tick the **NTP** checkbox to enable editing The NTP Server IP address which can only be modified on local NVR.



Page 39

301 Fulling Mill Road, Suite G Middletown, PA 17057 (800) 223-4162

#### F-2. Time Setting

The **Time zone** can only be modified on local NVR. Tick either **Synchronize with PC's time** or **Manual** checkbox to activate its time settings.

## 9. Player

Click the button to download D6Viewer, the NVR recording file player.

## A. MAIN SCREEN SETTING (D6 Viewer)

D6Viewer.exe is used for playing the NVR backup video. It can be obtained via the Internet; or you can simply obtain it by performing USB backup and DVD-RW backup operation, because the software will be created within the USB device right away.

Open the D6Viewer. Using Overlay mode can improve the system resource performance. Select Backup Format

Select Video	•	Channel	Select		Playbac	k Control
File About	له		D6Viewer			- <b>5</b> ×
				No_Video	No_Video	File(*.haX) File Select Open
No_Video	No_Video	No_Video	No_Video	No_Video	No_Video	
No_Video	<sup>44</sup> No_Video	No_Video	No_Video	No_Mdeo	No_Video	Zoon Backup AM FileConvert Add     Audo
No_Vidge	No_Video	No_Video	No_Video	No_Mdeo	No_Video	OpenLog SnapShot Search 2014/ 9/16 +
No_Video	No_Video	No_Video	No_Video	No_Mdeo	No_Video	Time Search Event Search Intentach Full Screen Play Audio
No_Video	No_Video	No_Video	No_Video	No_Video	No_Video	1 4 9 Coor 16 25 36
					· ·	alit Caraan

Split Screen

**Time & Event Search** 

## **B. HDD PLAY**

Reading the NVR HDD from PC may not be possible since the NVR HDD is in Linux format, so you need "Ext2Fsd" to assign a drive letter to the HD. You can find it in the attached CD or download it from Internet.

Start the Ext2Fsd, and it will detects all the disks connected with your PC. Right-click on the NVR HDD and choose "Change Drive Letter".

301 Fulling Mill Road, Suite G



Page 40 Middletown, PA 17057 (800) 223-4162

file <u>E</u> dit <u>T</u> e	ools <u>H</u> elp						
Volume	Туре	File system	Total size	Used size   Codepage	Physi	ical object	
🥪 (C:)	Basic	NTFS	58 GB	47 GB	Devi	ce\HarddiskVol	lume1
(D:)	Basic	NTFS	90 GB	80 GB	\Devis	ce\HarddiskVol	lume2
🥪 (F:)	Basic	EXT3	460 GB	402 GB utf8	Devis	ce\HarddiskVol	lume9
🥌 (G:)	Basic	EXT3	4875 MB	201.3 (7)	10	e\HarddiskVol	lume10
9	Basic	SWAP	125 MB	Ext2 Management	H3	e\HarddiskVol	lume11
🤳 (E:)	Basic	FAT	249 MB	Change Drive Letter	F4	Wearddisk1\D	P(1)0-0
				Flush Cache to Disk	F11		
				Change Partition Type	F12		
۲.			115	change i and and i yy			
	Туре	File system	Total size	Copy to Clipboard		on type	
DISK 0				Paload and Pafrash	85		
(C:)	Basic	NTFS	58 GB	Reibau and Reffeat	15	NTFS	
(D:)	Basic	NTFS	90 GB	Show Properties	F6	NTFS	
				Service Menormatics	127		
DISK 1		F4.7	21210	To a OT-1 Charles	177	-	
(E:)	b asic	FAI	243 MB	Exizes Statistics	FO		
DISK 2			L	Kemove Dead Letters	F9		
(F:)	Basic	EXT3	460 GB	402 GB utf8	Linux		
(G:)	Basic	EXT3	4875 MB	381 MB utf8	Linux		
	Basic	SWAP	125 MB	125 MB	Linux	swan	

#### Click "Add"

Change Drive Letters	
Mountpoints:	
	Add
	Change
	Remove
	Done

Assign a letter to the HDD, then click "OK" so that the HDD get a drive letter and can be recognized by Windows.

Enter or select a new drive lettter :	F: 🗸						
Which way to mount:							
Mount via DefineDosDevice, will be los	st after reboot						
Automatic mount via MountMgr. Ext2Mgr will assign or remove mountpoints when it detects disk changes. Must NOT close Ext2Mgr. Removable (like USB) disks are recommended to use this method.							
Create a permanent MountPoint via Session Manager. It's better use this method for fixed disks. We need create a new item in registry: HKLMSystem/CurrentControlSet/Control\ Session Manager/DOS Devices							
Cancel	1 ОК						

Under HDD Play mode, select the NVR HDD to load the video files inside.

Page 41



				D6Viewer			- 8 ×
Fil	e About						↓↓ Video Time List
CAT	2014/10/23 0933556 Ch2	2014/10/23_09:33:55 Ch 3	2014/10/23-09:33:55 CH4	2014/10/23103/2356	No_Video	No_√ideo	HDD Play
	No_Video	No_Video	No_Video	No_Video	No_Video	No_Video	PlayBack
	No_Video	No_Video	No_Video	No_Video	No_Video	No_Video	Backup AVI T FieConvert TimeStamp Audio
	No_Video	No_Video	No_Video	No_Video	No_Video	No_Video	Log SnapShot Search 2014/ 9/16 ÷
	No_Video	No_Video	No_Video	No_Video	No_Video	No_Video	Time Search Event Search
	No_Video	No_Video	No_Video	No_Video	No_Video	No_Video	La screen P Transact

## C. File Play

You can open a single video backup file, select "File->File Play". Then "Open".

				Doviewer			
Fi	e About						
Ch1	2014/10/23 09:33:56 Ch 2	2014/10/23 09:33:56 Ch 3	2014/10/23 09:33:56 Ch 4	2014/10/23 09:33:56			File(*.haX)
					No_Video	No_Video	Copen Den Copen
	No_Video	No_Video	No_Video	No_Video	No_Video	No_Video	Hayback
	No_Video	No_Video	No_Video	No_Video	No_Video	No_Video	Backup Avi FieConvert V TimeStamp V Audio
	No_Video	No_Video	No_Video	No_Video	No_Video	No_Video	OpenLog         SnapShot           Search
	No_Video	No_Video	No_Video	No_Video	No_Video	No_Video	Time Search Event Search Interface Full Screen Play Audio
	No_Video	No_Video	No_Video	No_Video	No_Video	No_Video	1 4 9 Dose 16 25 36 Cangese English

Choose the path the .haX file reserved and pick the file to playback.



Open					2 🛛
Lookijn:	200		👱 🕲 - 🗈 l 😋 🗙	📬 🖬 •	Τοοία *
My Recent Documents	<b>E</b> 06140912		R		
Desktop					
My Documents					
My Computer					
Ny Neberk	Pile game:			V	Open +
Places	Plies of type:	hiX files		Y	Canol



File	About						
		2014/10/23 09:34:10 Dh 9	EDITATIOZE DESATO Ene	2014/10/23 09:3410	No_Video	No_Video	File(*.haX) File Select
N	o_Video	No_Video	No_Video	No_Video	No_Video	No_Video	
N	o_Video	No_Video	No_Video	No_Video	No_Video	No_Video	Zoom Backup AVI V FieConvert V TimeStamp V Audio
N	o_Video	No_Video	No_Video	No_Video	No_Video	No_Video	Open Log         SnapShot           Search         2014/ 9/16 ÷           10, 20, 55, -         -
N	o_Video	No_Video	No_Video	No_Video	No_Video	No_Video	Time Search Event Search
No	o_Video	No_Video	No_Video	No_Video	No_Video	No_Video	1 4 9 Close 16 25 36 Lergezere English

## **D. PLAYBACK OPERATION**

## D-1. TIME SEARCH

Select the Date and Time and then click Time Search to play the video.

Search 2014/10/16 ÷
14:32:54 🛨
Time Search
Event Search



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## **D-2. EVENT SEARCH**

After pressing the **Event Search** button, it will display all the events which are saved within the NVR HDD (Shown in the following image).

🗤 Event				×
Num	Channel	Time	Туре	^
1	255	2008/02/25_09:53:29	POWER ON	
2	255	2008/02/25_09:53:38	POWER ON	
3	255	2008/02/25_09:54:56	POWER ON	
4	255	2008/02/25_09:56:09	POWER ON	
5	255	2008/02/25_09:58:05	POWER ON	
6	255	2008/02/25_10:02:45	POWER ON	
7	255	2008/02/25_10:13:05	POWER ON	
8	255	2008/02/25_10:15:33	POWER ON	
9	255	2008/02/25_10:35:06	POWER ON	
10	255	2008/02/25_10:37:42	POWER ON	
11	255	2008/02/25_10:47:21	POWER ON	
12	255	2008/02/25_10:49:25	POWER ON	
13	255	2008/02/25_10:51:11	POWER ON	
14	255	2008/02/25_10:54:16	POWER ON	
15	255	2008/02/25_10:58:08	POWER ON	
16	255	2008/02/25_11:00:02	POWER ON	
17	255	2008/02/25_11:04:15	POWER ON	
18	255	2008/02/25_11:05:35	POWER ON	
19	255	2008/02/26_10:28:44	POWER ON	~

## E. LOG

Click Open Log to check the log records.

C		System Log				×
	Number	Time	Channel	Туре	HDD	^
	11	2011/08/19_11:51:42	78		HDD131375	- 1
	12	2011/08/19_11:51:42	78		HDD131375	- 1
	13	2011/08/19_11:51:42	78		HDD131375	- 1
	14	2011/08/19_11:51:42	78		HDD131375	- 1
	15	2011/08/19_11:51:42	78		HDD131375	- 1
	16	2011/08/19_11:51:42	78		HDD131375	- 1

# F. ZOOM



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Tick the "Zoom" box and drag an area on the screen, then click the area to zoom in.

#### **G. BACKUP FILE TO MKV OR AVI FORMAT**

There are two types of video formats: MKV and AVI. With AVI file, you can choose to either include Time Stamp and Audio or not.



Page 45

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MKV	AVI
Backup MKV - FileConvert	Backup AVI V FileConvert V TimeStamp V Audio

After double-clicking on one specific channel display image, the 'File Convert' button will be available. Select the type of video format you would like to convert to from the Backup drop down list.

File About						
				No_Video	No_Video	File(*.haX) File Select Open
	No_Video	No_Video	No_Video			PlayBack
						Econ Backup AVI FileCorver Audio
						Open Log SnapShot
						Time Search Event Search Interface Full Scaren Play Audio
No_Video	No_Video	No_Video	No_Video	No_Video	No_Video	1 4 9 Dore 16 25 36

Click on FileConvert button to begin the backup.



A window will pop up. Enter a file name and edit the file path directory.

While the converting is in process, you may press the **Stop Save** button to pause at any time before it is completed.

# 10. Plugin

Click the button to download **Plugin** for running the NVR system on PC.



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# 11. Log List

		Log List	
Log Туре	System Log		Event Log

# A. System Log: Click to view the system log and change settings.

	System Log								
		Log Filter	Backup	Up		Next	0/0		
No.	Time			Event					

## **B. Event Log:** Click to view events.

	Event Log						
	Log Filter Up Next 0/0						
No. Time			C	H T	ype		HDD

