# TVR V2 Series Manual GUI 4.1

# **Important Safeguards.**

#### INSTALLATION

- Before installing make sure all parts, accessories have been included. If damage or parts missing please contact your installation company for replacements.

- Handle with care and install TVR in an upright position.

- Power up TVR after installation and cables have been connected and completed.

- Make sure TVR has plenty of air ventilation to avoid over heating and do not place items on or close to TVR to allow for maximum air circulation.

#### ELECTRICAL SAFETY

- All installation and operation should conform to your local electrical safety codes. ZUUM assumes no liability or responsibility for any fires or electrical shock caused by improper handling or installation of this device.

- When replacing the battery please note the model and replace with same model. Improper installation could cause fire, explosion, or personal injury.

#### **ENVIRONMENT**

- The NVR should be installed in a cool, dry place away from direct sunlight and inflammable or explosive substances, etc.

- Please install the TVR away from direct sunlight or flammable substances. Install in a cool, dry environment.

#### WARRANTY

- Please notify your installation company for performance problems and to address any warranty needs.

- Unauthorized modifications or attempted repair with exclude the manufacturer warranty as notes on our website.

This product should be transported, stored and operated in the specified environments.

#### DECLARATION

- This manual is for reference only. Inaccuracies or printing errors may be contained in this manual.

- The items in this manual can be updated at any time. We are constantly improving the firmware so please see our website for the latest version for your model number.

- Screen changes may not be exact. They are used as reference but may be updated or improved with firmware releases.

# **Product Introduction**

No	Name	Icon	Function		
1	Power	Power	Power button, press this button to boot up or shut down DVR/NVR.		
2	C1.:0	CL:A	1. In input Box, switch input methods;		
2	Shift	Shift	2. Switch TAB;		
			1. Number Input(in number mode);		
3	Number Key	1~9	2. English character Input (in English mode);		
			3. Switch channel (in 1-ch mode).		
			Enter a digit larger than 10, press two-digit number:		
4	Input number more	+10	1. Press the tens digit;		
4	than 10	+10	2. Press digital switch button;		
			3. Press ones digit.		
			1. Assistant function such as PTZ menu;		
			2. In monitor mode, switch between multiple-window and one-window;		
			3. Activate the digital input box increase or decrease the number;		
_		•	4. Active pull-down menu to switch the drop-down box options;		
5	Up/Down	Ţ↓	5. Activate checkbox to change status;		
			6. Activate the text input box and step down carry and abdication;		
			7. Activate the control box to move the slider;		
			8. Activate display window to select the previous channel, next channel.		
	T () (D 1 1 )		1. Shift current activated control, and then move left and right;		
6 Lett/Right		<b>←-</b>	2. In monitor mode, switch channel.		
7	ESC	ESC	Go to previous menu, or cancel current operation.		
			1. Confirm current operation;		
8	Enter	ENTER	2. Go to OK button;		
			3. Go to menu.		
9	Function Key		Shortcut function with FN key.		
			1. One-window monitor mode, click this button to display assistant function:		
			PTZ control and image color;		
		Fn	2. Detection areas setting (like in motion detection setup), working with Fn		
			and direction keys to realize setup;		
10	Auxiliary		3. In text mode, click it to delete the character before the caret (if there is no		
			shift on the front panel, it can switch input methods), press this button for		
			1.5sec to clear all of the characters;		
			4. In playback mode, switch the full screen;		
			5. Realize other special functions.		
			1. Go to SEARCH interface;		
11	Dlaw/Darras		2. In PTZ channel: ZOOM+;		
11	Play/Pause	•	3. In normal playback click this button to pause playback;		
			4. In pause mode, click this button to resume playback.		
12	Shuttle (outer ring)		In real-time monitor mode it works as left/right direction key.		
13	Jog (inner dial)		In real-time monitor mode it works as up/down direction key.		

# **Remote Control**

The remote control interface is shown as below:



Pl ay/ Pause

Name	Icon	Function
Multiple-Window Switch	Mult	Switch between multiple-window and one-window.
Remote Address	Add	Click it to input device number, so that you can control it.
Number Key	0~9	<ol> <li>1.input numbers (in number mode)</li> <li>2.input English character (in English mode)</li> <li>3.switch channel (one-window mode)</li> </ol>
Loop Pause	Ŷ	Pause the loop state.
Digital Switch	-/	<ul><li>Enter a digital larger than 10, press two-digit number:</li><li>1. Press the tens digit;</li><li>2. Press digital switch button;</li><li>3. Press ones digit.</li></ul>
Record	Record	<ol> <li>Start or stop record manually.</li> <li>In PTZ interface, click this button system can go to the Preset interface.</li> </ol>
Auxiliary Key	Fn	<ol> <li>One-window monitor mode, click this button to display assistant function: PTZ control and image color;</li> <li>Detection areas setting(like in motion detection setup), working with Fn and direction keys to realize setup;</li> <li>In text mode, click it to delete the character before the caret(if there is no</li> </ol>

		shift on the front panel, it can switch input methods), press this button for		
		1.5sec to clear all of the characters;		
		4. In playback mode, switch the full screen;		
		5. Realize other special functions.		
		1. Confirm current operation;		
Confirm/Menu Key	Menu/Menu	2. Go to OK button;		
		3. Go to menu.		
ESC	ESC	Go to previous menu, or cancel current operation.		
		1.Assistant function such as PTZ menu;		
		2.In monitor mode, switch between multiple-window and one-window;		
		3. Activate the digital input box increase or decrease the number;		
		4.Active pull-down menu to switch the drop-down box options;		
		5. Activate checkbox to change status;		
Direction Key		6. Activate the text input box and step down carry and abdication;		
		7. Activate the control box to move the slider;		
		8. Activate display window to select the previous channel, next channel.		
	$\langle \mathbf{x}_{i} \rangle$	1. Shift current activated control, and then move left and right;		
		2. In monitor mode, switch channel;		
		3.Assistant function such as PTZ menu.		
Draviaua record/Iria	Ŷ	1.In playback mode, playback the previous video;		
Previous record/ins-		2.In PTZ mode, Iris		
Next recend/Iris	Û	1.In playback mode, playback the next video;		
Next record/iris+		2.In PTZ mode, Iris+.		
Forward 5sec		In playback mode, forward 5sec.		
Reverse 5sec	K	In playback mode, reverse 5sec.		
Slow Play	$\square$	Multiple slow play speeds or normal playback.		
Forward	$\qquad \qquad $	Various forward speeds and normal speed playback.		
Stop	-	In normal playback click this button to stop playback.		
		1. Go to SEARCH interface;		
Dloy/Dource		2. In PTZ channel: ZOOM+;		
riay/rause		3. In normal playback click this button to pause playback;		
		4. In pause mode, click this button to resume playback.		

The procedures of controlling multiple DVR by remote control:

The DVR ID default is 8. No need to reset it when control one single DVR by the remote control. If you need to control multiple DVR's, see below:

First activate the remote control: choose controlled DVR, starts successfully, aim the remote control to control the hard disk video recorder, press the "Add" button, input device ID) between (1-999), then press ENTER to determine can control the corresponding number of hard disk video recorder.

# The Mouse

In addition to front panel keys and remote control menu, the user can use a mouse to control. Insert the mouse interface into the USB interface.

# Left Click

Left click to enter the right menu or the main interface.

Left click to access the menu option.

Perform the operations instructions of the control.

Change the state of the checkbox or dynamic detection blocks.

Pop up a drop-down list when left click.

In the state of PTZ 3D control, left drag the area to achieve regional enlarging or reducing. See details zoom effect

PTZ control section introduction.

## **Double Click**

Double click to play video.

Double click to make the screen full or exit.

### **Right** Click

Right click to pop up the right menu in the real-time monitoring screen.

Exit the current interface without saving.

### Turning Wheel

Turn the mouse wheel to change the value in the digital box. Switch the option of the combination box. Scroll back and forth to achieve the zoom function of channels and PTZ 3D. Mouse Move Select controls of the current coordinates to move. Mouse Drag

Select area to detect.

Select area to shelter.

Select zooming function of PTZ control.

# **The Input Method**

Capitalization and the input of Chinese. Click the mouse to complete the input." - "represents the backspace and "\_ "represents a space.

In the input box, you can select figures, symbols, English The input interface of English:

!	?	@	#	\$	%	^	&	*		1	2	3
q	W	e	r	t	У	u	i	ο	<b>p</b> = /	4	5	6
а	S	d	f	g	h	j	k	Ι	: Enter	7	8	9
Z	×	C	v	b	n	m	,	$\left[ \cdot \right]$	abc	0		->]

# Icon

# **The Screen Icons**

• The channel is recording.

**?**: The video of the channel is lost.

**h**: Motion detection occurs.



- The channel is in monitoring and locked status.
- : Adjust the size of the logo of the local audio output.



O. Allow screens to round of the Tour.

# **Operation Icons**

: Not	selected.					
✓: Sele	Selected.					
The	drop - down button					
OK	Leave the interface.					
Cancel	Cancel the settings.					
Select	Set parameters.					
Save	Save parameters.					
Default	Restore the factory settings.					
App.	Apply current settings to the system.					
Сору	Copy current settings to other channels.					
Set	Enter the configuration interface.					
Process	Select and configure the processing operation triggered by video detection or alarm.					

# Alarm/PTZ/Control Keyboard Interface (Select Models)

#### Alarm/PTZ/Control Keyboard Interface 2 4 ⊥ B . ↓ 10 12 14 16 6 8 1 1. 1 3 7 9 5 11 13 15 Α

No	Name	Instructions
1	Alarm Input	Connect the positive end (+) of the alarm input device to the
1	Alarin input	alarm input port (ALARM IN 1~16)
n	CND	Connect the negative end (-) of the alarm input device to the
2	GND	ground
3	Alarm Output	Connect the alarm device
		485 communication port. They are used to control devices such
4	RS-485	as PTZ. Please parallel connect $120T\Omega$ between A/B cables if
		there are too many PTZ decoders

- Different models support different alarm input ports. Please refer to the specifications sheet for detailed information.
  - Slight difference may be found on the alarm port layout.

### Examples of alarm input connections

The alarm input is the switch quantity input. If the alarm input signal is not switch quantity signal but voltage signal, refer to the following connection:



## Examples of alarm output connections

When the alarm output connects with DC and AC load, please refer to the connection.



#### The Connection of the P/T/Z

The A, B interface of the PTZ decoder connect with A and B interfaces of the TVR's RS-485.  $120\Omega$  resistors should be paralleled in the remote A, B lines to reduce the distortion of the signal if a larger number of PTZs are connected.

## Keyboard

The A, B interface of the Keyboard connect with A and B interfaces of the TVR's RS-485, [MAIN MENU]-[CONFIGURATION]- [CHANNEL] - [P/T/Z], Protocol choose KEYBORAD. See below.



# **Basic Operations Guide**

(NOTE: Pictures below based on HDMI of TVR to TV)

# **Power On and Off**

# **Power On**

Install the TVR correctly (as above) and then connect the power. The TVR LED should light up and the TVR will boot automatically.

The TVR will then automatically detect any connected hardware (cameras, monitors, etc.), this process should last about 30 Seconds. When this process has been completed the TVR will enter the multi-screen real-time surveillance mode.

If your hard drive is not properly connected, the following message will appear on your screen.



 $\triangle$  Note: Please do not use any type of power supply which is different from the power supply included in this *kit*.

# Power Off (Shutdown)

Right mouse click -[Main Menu]-[Shutdown]



 $\triangle$  Note: Only change or attempt to reconnect the hard disk drive after shutting down the TVR.

# Restart

Right mouse click -[Main Menu]-[Shutdown]-[Restart system]

# **Power recovery**

Reboot after an outage or forceful shutdown, TVR will save the record before outage and return to the normal operation mode.

# Start-up wizard

Quick configuration, including P2P account & password setting, network configuration, intelligent mode selection.



[QR code]From left to right: Android APP address, iPhone APP address.

[Network Connection Status] The current network status.

[P2P] P2P account & password setting.

[Start-up wizard] Tick Start-up wizard Enable.

### NETWORK CONFIGURATION

	Startup Wizard	
STEP 1 HELP	STEP 2 NET	STEP 3 USER
DHCP		P2P Account Info
Indirizzo IP	192 - 168 - 1 - 88	
Subnet Mask	255 · 255 · 255 · 0	
Gateway	192 . 168 . 1 . 1	
DNS1	8 . 8 . 8 . 8	
DNS2	192 - 168 - 1 - 1	
:: <b>.</b>	🏉	🔁 s
P2P ID 002280fe	Password I4MGZI	
Activate when	reboot Salva	Previous Next Step

[DHCP] Check DHCP Enable.

[IP address] Enter the number or press up &down button ( $\blacktriangle \nabla$ ) to change the IP address and [Subnet Mask] and [Gateway] Default

[First DNS Server] DNS server IP.

[Alternate DNS Server] DNS alternate IP.

[QR code] Scan code when setting up in Mobil APP

# ACCOUNT SET UP

			Startup Wizard	
STE	P 1 HELP	STER	2 NET	
3 1 2 3	User admin user default	Group admin user user	Status Normal Normal Default User	Add User Modify User Add Group Modify Group Modify Password
√Í •	Activate whe	en reboot	Save	Previous Next Step

[Add Users] Add a new user

[Modify User] Modify the user name, groups, and rights

[Add Group] To add a user group, and configure the user group rights

[Modify Group] Modify the permissions that belong to Group

[Modify Password] Modify the Login password

# CONFIG

## **Mode Switch**

Mode switch allows you to set which channel will be TVI camera and or IP camera.

			CON	IFIG					
🚡 CHAP	NNEL 🎭 NET	work \overline	EVENT		STROAGE	<b>5</b>	SYSTEM	**	APP
IP Channel		1 2 3 4							
Base	IP Cam 960H	0000							
Codifica	TVI 720P TVI 1080P								
ISTANTANE									
PTZ									
Rileva									
Mode Switcl	r								
						-	OK Car	icella /	App.

Login [main menu] - [Channel] - [Mode Switch] Enter the administration page.

1. Local channel switch, network channel:

In this example channel is for local channel, which is the TVI camera connected directly to the TVR. 2-4 is for the IP cameras you have on the network. After selection click OK and restart is needed for new changes.

Channel Local Channel NET Channel	1 2 3 4 • • • • • • • • •	
	OK Cancel	

2. Network channel switch local channel:

In this example channe1, 2 are for local channel, which is the TVI cameras connected directly to the TVR. 3,4 is for the IP cameras you have on the network. After selection click OK and restart is needed for new changes.

	MODE SWITCH	
Channel Local Channel NET Channel	1 2 3 4 • • 0 0 0 • • •	
	OK Cancel	

If you see a preview screen below there maybe a format issue. Meaning maybe the channel was set at 1080p but the camera only supports 720p.



Please enter in the [main menu]  $\rightarrow$  [Channel]  $\rightarrow$ [mode switch] to configure the correct resolution NOTE: Some firmware version will auto detect camera capability.

# IP Channel

DVR's with input function use network channel management page for adding or deleting the IP cameras and set the front-end configuration.

There are two ways to login [IP Channel]

- 1. Live preview, click the button below on your tool bar **(IP Channel Management)**
- 2. [Main Menu]-[Channel]-[ IP Channel]



[Check box] Click the check channel, double click can deselect the check channel, Click the title bar to select, double click will deselect all.

[Serial number] Display the network channel number to add equipment serial number.

[Add, delete] click Z Delete the current network equipment. Click 🛨 add the network equipment.

[Status] Show the current channel connection status: Connection is normal, ID or Password is wrong, the equipment is offline, D User is lock.

[IP address/domain name] Display the equipment's IP address/domain name.

[Port] Display the port number

[Web Port] Display the web port number.
[Agreement] Display the connection agreement.
[Edit] Configure the channel information, show in6.3.6
[The front-end configuration] Configuration front camera's parameters

We provide three ways to add IP cameras, automatically, searching, and manually add the device.

## Automatically added

No configuration, the device is automatically added. [Main Menu]-[Channel]-[IP Channel]-[Open UPNP]

 $\Delta$  Note: The device should support UPNP and should be on the same LAN.

# Searching To Add

Search all the IP cameras on network and then choose to add. Proceed as follows. Enter[ IP Channel] Click [Filter] to choose protocol Click [Search] Click+ to add device or Right click [Add to] choose the channel you want or check the devices you want to add, then click [Group Add].

## Modify channel configuration

Enter **[IP Channel].** Click "Edit" button of device. Click "OK" button to finish.

NOTE: ZUUM cameras default to DHCP but this is for configuration convenience. Add cameras by UPnP is best which will add them by MAC address. If IP assignment is required for IP cameras because of 3<sup>rd</sup> party driver control then assign them by static IP.

# DO NOT LEAVE THEM ASSIGNED BY DHCP.

# **Front Set**

Basic configuration, encoding configuration, snapshot, network and motion detection of IP camera can be set in TVR.

Enter Net Channel Management menu.

Click "Front Set " button of device.

### BASIC

	Front Set
Basic En	coding Snapshot NetWork Detection
Channels Choos IPC Channel Nar IPC Current Time IPC Time Zone	e 4 - NET ▼ me IPC 2016 - 03 - 10 15 : 04 : 43 GMT+03:00
Syn With NVR Ti	
	Rebooning
	Refresh OK Cancel App.

[Channel Choose] Choose a channel.

[Channel Name] Modify current channel name.

[IPC Current Time] Set IPC tine.

[Time Zone] Set time zone.

[Time Sync] Enable IPC time sync with NVR.

[control IPC] Click the prompt whether restart the IPC, [OK] Restart the IPC, [Cancel] Return.

# ENCODING

Front Set							
Basic	Encoding	Snapshot	NetW	ork Detection	1		
Channels Cl	noose 4 - NI	ET					
Audio Enco	de G711	A					
	Main	Stream		Sub Stream1			
Compressio	n H.264	ļ		H.264			
Code Level	HP			HP			
Resolution	1080	<b>&gt;</b>		D1			
Frame Rate(	FPS) 25			25			
Bit Rate Con	trol CBR			CBR			
Quality	Norm	ial	•	Normal			
I frame interv	/al 50	]		50			
Bit Rate(Kb/S	S) 4096			1024			
		Refr	esh	OK Cance	el App.		

[Channels Choose] Choose one channel.

[Audio Encode] Select the current audio encoding

[Code Level] H.264

[Resolution] Choose main resolution and sub resolution.

[Frame Rate] 1~25FPS/PAL,1~30FPS/NTSC

[Bit Rate Control] Choose CBR or VBR. When choose CBR, bit rate can be set. When choose VBR, image

quality can be set.

[Picture Quality] Choose the picture quality by the Variable stream, there are 6 range to choose.

[I frame interval] Set interval of adjacent frames. Max is 150.

[Bit Rate] Choose 1280,1536,1792,2048,3072,4096,5120,6144,7168,8192 or set to your desired rate.

## SNAPSHOT

Front Set							
Basic E	Encoding	Snapshot	NetWork	Detection			
Channels Cho	ose 4 ·	NET					
Mode	Tr	igger					
Image Size	10	80P					
Image Quality	No	ormal					
Snapshot Free	quency 2	SPL					
		Refr	esh OK	Cancel	App.		

[Choose Channel] Choose the channel to be modified.

[Mode] Trigger the two modes of snapshot and timing snapshot.

[Image Size] Set the captured picture resolution.

[Image Quality] Choose the picture quality, there are 6 ranges to choose.

[Snapshot Frequency] Support 1sec./pcs.~8sec./pcs 8 ranges of snapshot to choose.

#### NETWORK

Front Set							
Basic Encodin	g s	Snapsł	not	NetWork	Detection		
Channels Choose	4 - N	ET					
	Get th	ne add	lress s	uccessfully			
IP Address	10	. 12	. 4	. 231	]		
Subnet Mask	255	. 255	. 255	j. 0	]		
Gateway	10	· 12	. 4	· 1	1		
First DNS Server	8	. 8	. 4	. 4	ĺ		
Alternate DNS Server	8	. 8	. 4	. 4	ĺ		
MAC/Serial 4c:11:bf:a	8:35:c	8					
			Refres	h OK	Cancel	Арр.	

[Channels Choose] Choose one channel.

[IP Address][Subnet Mask][Gateway] Set IP address, subnet mark and gateway for the device.

[First DNS Server] Set DNS server IP address.

[Alternate DNS Server] Set standby DNS server IP address.

[MAC/Serial] Show MAC address of front device.

#### DETECTION

Front Set									
Basic E	ncoding Snap	oshot NetWork	Detection						
Channels Choo Enable Sensitivity Set Area	se 4 - NET Middle Setting	<b>▼</b>							
		Refresh OK	Cancel	Арр.					

[Channels Choose] Choose one channel.

[Enable] Enable motion detect alarm or not.

[Sensitivity] Set sensitivity level for motion detection.

[Set Area] Set area for motion detection.22\*18 area can be set.

*Make sure that protocol for cameras supports motion detect function. All settings are for front device (cameras).* 

# **Delete Front Device (camera)**

Enter Net Channel Management menu. Click Delete the equipment. Check mark several devices and click "Batch Delete" to finish delete.

# The event of configuration

The TVR can handle events types include: traditional alarm events, equipment abnormal events, and intelligent analysis. Configure an event all by: the event type, rules, protection plan, linkage of four parts.

# **Detect configuration**

The traditional alarm events, include video detection, motion detection, video loss, video shade and external alarms.

[Main Menu]-[Channel]-[Detect] Enter the configuration interface.

# DETECT

	CONFIG								
CHANNE	L 🕵 NETWORK	20	EVENT		STROAGE	2	SYSTEM	-	APP
IP Channel	Channel	4 - NET							
Basic	Alarm Type	Motion D	)etect						
	Trigger Interval	0 Se	c						
Encode	Enable	$\overline{\checkmark}$							
Snapshot	Sensitivity	Middle		V					
	Set Area	Setting							
	Process	Setting							
Detect	Linkage Config	Setting							
Smart									
Mode Switch									
		Pref	erences Sta	art C	opy Defa	ult	OK Ca	ncel A	App.

[Channel] Select a channel.

[Alarm type] Motion detection, video loss and video blind.

[Motion detection] Detect the motion in the picture, and send alarm according to setting.

[Video loss] Detect the video loss and send alarm according to setting.

[Video blind] Detect the video which was covered and send alarm according to setting.

[Enable] Control the alarm open and close

[Sensitivity] Highest, higher, middle, low, lower, lowest

[Set area] There are totally 22\*18=396 area can be set, which needs motion detection.

[**Process**] Set the alarming time, linkage and the handling method.

	Motion Detect-Process								
	00 03	06 09	12 1	5 18	21	24			
Sun							Setting		
Mon							Setting		
Tue							Setting		
Wed							Setting		
Thu							Setting		
Fri							Setting		
Sat				_			Setting		
				ОК		Cancel	Арр.		
			Plan						
Period 1 00 :	00 - 24 : 00	] 🗆	1						
Period 2 00 :	00 - 24:00	] [	]						
Period 3 00 :	00 - 24 : 00	] [	-						
Period 4 00 :	00 - 24 : 00	] [							
Period 5 00 :	00 - 24 : 00	] [	- ]						
Period 6 00 :	00 - 24 : 00	] [	1						
Select All									
Sun 🔤	Mon 🔄 T	ue 🗌	Wed						
📈 Thu 🔲 I	Fri 🔄 Sat								
				_					
					Ж	Car	icel App.		

[Set linkage] show in the appendix 9.1 about set alarm linkage.

# [**Preview**] It will show a test on the current setting [**Copy**] Copy the setting to other channels



# PERIMETER SETTING

Perimeter detection is available on certain models. You can enter the perimeter-setting page by **[Channel]**-Alarm Type-Perimeter



[Channel] Choose the channel of the perimeter analysis.

[Rule] Click "+" add rule

[Set area] Set current rule line what you choose

[Direct] set the fold line rules to sure the detection direction.

Note: if there is no channel to analyze the perimeter detection, you can set the function by [Channel]-Alarm Type-Perimeter

# [rule]

click[+]make the new perimeter analysis rule.

Click the color box to set the line of color rule, show in the picture:



Click the rule name can modify the name.

Click the drop -down menu to choose the other rule, then can delete the rule.

## Alarm input

[Main menu]-[Event]



[Alarm input channel No.] Select a channel

[Enable] Control the open and close of alarm

[Type] Choose Normal open and Normal close

[Process] Set the alarming time, linkage and the handling method.

[Linkage Config] Show in the appendix 9.1 about set alarm linkage.

[Preview] It will show a test on the current setting

[Copy] Copy the setting to other channels

# ALARM OUTPUT

On the real time preview picture, right click and choose [Alarm output], or enter [Main menu]-[Event]-[Alarm output]



[Schedule] Alarm output is controlled by the device's linkage setting.

[Manual] Alarm output is on and the status is active.

[Stop] Alarm output is off and the status is inactive.

[Status] Current status of alarm output

 $\triangle$  Note: some models do not have alarm output, please confirm your models specifications.

## Abnormity

You can set multiple TVR abnormal monitoring functions and can link to trigger events. [main menu]-[Event]-[Abnormity] Enter the configuration interface as shown in the figure below:

	CONFIG									
CHANNE	EL 🧙 NETWORK	The Event		SYSTEM	APP					
Alarm Input Alarm Output Alarm Output	Abnormal Type Alarm Out Record Channel Snapshot Send Email Upload to cloud Show Message Buzzer	Disk No S Disk No S Setting Setting Setting Setting Setting Setting Setting	ag sinoade pace ⊽Less	20 %						
			Defau	ut OK Ca	incel App.					

#### [Abnormal Type]

[No Disk] Alarm when HDD is not present or cannot be detected.

[Disk low Space] Alarm when hard disk capacity is lower than setting.

[Network Failure] Alarm when network is not connected.

[IP Conflict] Alarm when IP address conflict.

[Disk Error] Alarm when there is error in reading and writing hard disk.

[Alarm Out], [Record Channel], [Snapshot], [Send Email], [Show message], [Send to network drive] [Buzzer]

See set alarm linkage.

# Log in/Log out

#### LOG IN

Right click to log into menu. Enter username and password.

System Login					
User Name Password	admin V				
C	K Cancel				

#### Default users

User Type	Name	Default Password
Administrator	admin	Left Blank
User	user	Left Blank
Hidden	default	

:If you input incorrect password three times, TVR will sound. If password input is incorrect five times, account will be locked. For security purposes please change the default password and the user name. LOGOUT

- 1. When over the standby time, log out automatically.
- 2. Enter [Main Menu]-[Shutdown]-[Log out]

# **Live Preview**

In live monitoring, there is date, time, channel name, recording status and alarm status.



Control screen switching by front panel, remote control on select models and mouse.

# **Alarm Status**

When alarm occurs, it will show message like external alarm, video loss, video blind, motion detect, network status and IP address conflict.

Alarm Status
Alarm In 1 2 3 4
Video Lost 1 2 3 4
Mask 1234
Motion 1234
Network
IP Conflict

#### QUICK OPERATIONS

Switch single or multiple	Double left click in screen to single channel and Double left click to return
screens	
Adjust channel order	Drag the channel to the wanted position
Add device	Click [+] in one channel to enter add menu. Please refer to 6.3.2 about more
	details.

# **Channel Toolbar**

When mouse moves on the top of windows, it will show channel toobar as follows:

		<b>№ ⊡</b> ⊠ <b>«</b> ×					
		Cam 05 •	C				
6	Real-time playback in fiv	/e minutes.					
₽.	Backup the last five-minute video to U disk, backup time can be set.						
۵.	Snapshot and backup to U disk $_{\circ}$						
	Channel toolbar is temporarily closed within 30 seconds						
<b>()</b>	Set the volume of sound.						

# **Right Click Menu**

Enter real-time monitoring and right click menu.



### SCREEN DIVISION

Choose single screen, four screens, nine screens or sixteen screens to view per your DVR ability.

#### PTZ CONTROL

Configure PTZ.

Direction, steps, zoom, focusing, iris, preset points, cruising between points, patrols, sweeping the boundary, calling an auxiliary switch, light switch, horizontal rotation of PTZ can be controlled.

**[SIT]** means quick location button. Make sure that the protocol supports this function. After you enter the page, click a point in the screen. PTZ will turn to the point and move the point to center of screen. It also supports 4 to 16 times zooming when dragging mouse in the quick location page.

The **[Step]** is mainly used to control directions. The figure can be set from 1 to 8. Click is or to adjust zooming, sharpness and brightness.

PTZ can control eight directions. But front panel only can control up, down, right, left.

[Preset] Enter preset figure in box and click "Preset" button to call preset function.

[Tour] Enter cruise figure in box and click "Cruise" button to call cruise between points function.

[Pattern] Enter patrol figure in box and click "Patrol" button to call patrol function.

:gray button means no support for that control.

#### **CONFIGURE (PRESET)**

Preset is for recording the next position, which is marked by a figure. Call the figure to enable preset function.



### **CONFIGURE (TOUR)**

Tour includes several preset points and is marked by a figure. When figure is called, preset point will run one by one.



## **CONFIGURE (PATTERN)**

Pattern is consisted of PTZ rotation path and is marked by a figure. Call the figure to enable patrol function.

	P/T/Z	P/T/Z
	<ul> <li>Zoom Preset</li> <li>Focus Preset</li> <li>Iris Preset</li> </ul>	Path 0 Begin End
Speed 5		Pattern

### **COLOR SETTING**

You can adjust the following color options, hue, brightness, contrast, saturation, gain and sharpness. You can have two color settings pending time of day. These two periods allow you to adjust settings for example one for daytime and another for nighttime. You can adjust relative to the environment.



**[Period]** Two periods can be set according to ambient light during the day and night, device will automatically switch configuration time. Need to select the Enable box.

[Hue] Adjust according to image colorcast

[Brightness] Visual image brightness, according to the environment, reduces or increases the brightness of the image brightness to make the image to desired view.

[Contrast] Adjust image of black and white in proportion, the greater ratio, the brighter the image.

[Saturation] Image color purity, the greater value, the more colorful the image.

#### MANUAL RECORD

In real-time monitoring screen, right click and select [record] to enter the interface.

				N	lar		I D,		<b>r</b> .d									
					vidi	iua		JUU	u									
Record Mode	All	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Schedule	0	۲	۲	۲	۲	۲	ullet	۲	۲	۲	ullet	ullet	ullet	ullet	ullet	ullet		
Manual	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Stop	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
				(	ЭK			Car	nce									

[Schedule] Record according to recoding configuration.

[Manual] It has the highest priority and corresponding channels will record for whole days after selected. [Stop] Stop recording.

To change a channel state of the video, at first check the video channel state is selected or not, then use the mouse to click, or use  $[\triangleleft]$  and  $[\checkmark]$  to find the channel and use  $[\triangleleft]$  and  $[\checkmark]$  to switch the video channel state.

Note: Select all channel and enable can change the video state of all channels at the same time.

#### Reset the channel order

Click to reset the default channel order.

# **Task Bar**

Enter from the main menu and you are provided some quick operation options.





## Alarm output

Alarm output menu

**Conceal function** 

Color setting

Refer to 6.4.2 Color setting of the right-click menu.

Reset the channel order

Click to reset the default channel order.



Taskbar Configuration



[Task Bar Mode] Choice of Resident or Automatically, Choice of Bottom and TOP.

# Search

In real-time monitoring screen, right click and select [search] to enter the searching interface.

	Normal	1	Event	14	Tag	🔀 S	Smart		External	1	Face		_			
													5 7 13 20 27	3 v 1 2 7 8 14 17 21 22 28 29	2016 0 3 4 2 3 9 10 1 17 2 23 24 1 30 31	5 6 4 5 11 12 18 19 23 28
														2 3	<b>2</b>	
										3			4		5 ✓ SelectA	6
													1			
	8 -	i i se		<b>1</b> 0)	<b>¤</b> =							<u>i</u> 3	9		10:00:00 - 0	0:00:00 😑
62) 6 6 6	01.00 .02	02:00	03.00 04:00	05:00	05:00 07:0	0 0800 1 1	0 1880 100 1	10 11:0	10 12:00 1	3.00 14:0	0 15:00 16:00	17.00	18.00 18.00	20:00	21:00 22:00	23.00
12	VI Nor	mal	🖌 Alarm	🖌 Mo	tion 🗸	All Type										

## **Record Search interface description:**

Index	Туре	Description
1	Choose the date	Select the time and date to search records.
2	Select channels	Choose the channels for querying.
3	Playback window	Playing video.
4	Time bar channel	When you select the number of channels is more than 4, a channel number value for the timeline display
5	All Channel Select	All select, all cancel
6	Synchronization	Achieve the playback of each channel's record is of synchronization in time and of consistency in operations.
7	List	Show the status information of channels' video recording within one day by green, red, yellow.
8	Playback control	Full screen, Loop, Stop/Play、Pause、Fast、Slow、Back、Previous Frame、 Next Frame.
9	Channel number	Select the channel number.
10	Event list	Show all events and time
11	Timeline display	Green, red and yellow colors show the video recording in

		the one day
		128 video records are shown in the list.
12	Search Type	Type: R-normal record, A-alarm record, M-motion
		detection record.



Key	Туре	Description
1	Time	Choose video query time
2	Channel	Select the desired query video channel
3	File	Query channel video display a list of files
4	File information	Display start time for a single video file, the end time, and video file size.
5	Backup	In the file list box, select the user needs to back up files in the list box playing """ to check, and then click the button (backup) or (uploaded to the cloud disk), the backup operation menu appears, click the Start button, users can also do not want to cancel the backup files in the backup operation menu before you want to cancel the file list box
		cancel "√".
6	Back	Exit File List

# **Playback Control:**

Key	Description	Remark
Video playback: Fast-forward Key <b>###</b>	Under playback mode, pressing this key, you can get a variety of fast cycle switching speeds; fast-forward button can be used as slow-release button reverse switch key.	Actual play rate based on version

Video playback : Slow key ###	Under playback mode, pressing this key, switch cyclically support a variety of slow-release rate, slow release button can be used as fast-forward button reverse switch key.	
Play/pause►/ II ###	Play/pause switch when slow-play	
Backward: Backward key ###	Single left click backward key	To play backwards and single click again to stop back run under
Manual single frame playback	Single frame playback by clicking ###   and   ###when common playback pause	common playback Rewind or single-frame playback, press the play button ►/### to enter the normal playback .
Ð	Full screen	
ţ	When the loop is turned on, the day after the end of the video playback, video playback file start over again	

# ▲ <sub>Note:</sub>

1. The player playback control bar shows file playback speed, channel, time, playback progress and other information.

2.Playback speed and rewind function are related to TVR model.

Key	Description	Remark
Snapshot:	When Playback, left-click on the icon, the snapshot of focus on	Insert U disk, enter Search , supports
ē	window will back up to the U disk	a maximum resolution of 1080P
		set the tag name letters, numbers,
Tag:	Laft aligh the icon, you can add tags to focus abannal	special characters, the total length of
¥	Left-check the room, you can add tags to focus channel	no more than 31 characters. The tags
		can be used to add labels to retrieve.
		If the focus of the shearing process
	· · · · · · · · · · · · · · · · · · ·	channel change, places the focus of
	Left click <b>P</b> , start to cut record, Starting time: click <b>P</b> focus	the channel when the end of the
Cut		shear cut as a video channel.
♥ <b>►</b>	window, icon turn to <b>bo</b> ; left click again <b>bo</b> complete cuting,	Shearing process can playback
00 🗖		control.
	End time: click focus window. After finish cutting, click	When the cut end time is earlier than
	back up record, or right click to exit cut feature.	the start time cut, cut start time
		automatically reversed.

# **Event Search**



Index	Туре	Description
1	Play Timeline	Display the progress bar of the current event
2	Search	Search record
3	Event Type	Select the type of event
4	Channel selection	Select the channel
5	Select al channel	Select al channel

Select the channel, start time, event type, click on the retrieval button to pop up a list of events as shown below



Index	Туре	Description
1	Play Timeline	Display the progress bar of the current event
2	Search	Search record
3	Event Type	Select the type of event
4	Channel selection	Select the channel

Tag Search

5 Select al chanr
-------------------

Select al channel

3	Channe	I Tag Name	e Time
1	02	tag2	11-03-2016 12:23:05
2	03	tag1	11-03-2016 12:23:13
3	01	tag	11-03-2016 12:27:26
Total	3	Page 1/1	
Befor	e/After	30 Sec 🔽	Turn 🔹 🕥 Delete

# **Smart Search**

Intelligent playback that video playback time, according to the input retrieval conditions, video analysis, quickly locate qualified video, and playback.

Currently our TVR device supports retrieval based on intelligent motion detection playback area. Enter the smart playback interface, the interface as shown in FIG. below.



Intelligent playback using the following process

- 1, 1 position, select the desired search date.
- 2, position 2, select the desired search channel.
- 3, left-click on the third position to start playback.
- 4, left-click on the icon position 4, select dynamic inspection area.
- 5, full-screen setting area is completed, the right mouse button to exit the configuration.

Complete search, video recording shall be the date the presence of all the moving subject information of the channel region is configured to display on the timeline.

# **External Search**



# Backup

# **INTERFACE DESCRIPTION**

Connect an External USB device with the USB port to backup in the "Record Backup" menu.



[Detect] Identify external USB device and display the device information.[Backup] Check the external device and click [Backup] to enter the backup menu .

Backup								
Selected Device	sdb1(USB DISK)		AVI					
Туре	All 🔍 Char	nnel 1						
Start Time	🕗 2015 - 03 - 05	00:00:00	Remove All					
End Time	🕗 2015 - 03 - 05	14:41:26	Add					
5 🗌 СН Тур	e Start Time	End Time	Size(KB)					
1 🗹 1 R	2015-03-05 14:34:40	2015-03-05 14:35:0	08 530					
2 🗹 1 R	2015-03-05 14:35:14	2015-03-05 14:35:1	18 106					
3 🔽 1 R	2015-03-05 14:35:18	2015-03-05 14:35:2	21 84					
4 🗹 1 R	2015-03-05 14:35:25	2015-03-05 14:35:2	27 106					
5 🗹 1 R	2015-03-05 14:35:32	2015-03-05 14:41:0	)3 4144					
K PageUp	N PageDown Fn S	elect/Cancel backup	device or file.					
Space Required	/ Space Remaining:6.2	20 MB/108.50 MB	Start					

[Cancel] Delete all data in USB backup device

# **BACKUP OPERATION**

Connect an External USB device with the USB port, click **[Detect]** to identify external USB device, click **[Backup]** to enter the backup menu, select the record start -stop time and click to add files in list, click **[Start]** to backup and display time remaining.

# **Local Configuration**

Main Menu

The main menu is shown as the following interface when outputted fro HDMI to TV:

	MAIN MENU										
OPER	ATION										
		<b>.</b>									
	SEARCH	BACKUP	SHUTDOWN								
INFO											
			5								
	SYSTEM	EVENT	NET	LOG							
CONFI	G										
	0	<b>5</b>				<u>~</u> 2					
	CHANNEL		EVENT	STROAGE	SYSTEM	APP					

## **OPERATION**

[Search] Based on time, label, query and playback video files.

[Backup] Backup device detection and video data backup.

[ShutDown] User logs off the device, the device shut down and reboot the system.

# INFO

[System] Displays the system status, hard drive status, version information.

[Event] Displays alarm information.

[Net] Stream state, the online user information.

[Log] System log information.

# CONFIG

**[Channel]** Add / Remove the camera, the camera parameters, the basic parameters of the channel configuration, channel mode switch, channel events and joint management parameters.

**[Network]** Basic network configuration parameters settings, manage network interfaces, configure advanced network services.

[Event] External alarm events and abnormal events of the configuration parameters of the device and joint management.

[Storage] Hard disk storage configuration management, video parameter settings, set the record schedule.

**[System]** Configuration System parameters time, date, language configuration, management and video output parameters polling settings.

[Application Center] E-mail, P2P, cloud storage, mobile phones and other common functions push settings.

# INFO



# System

It displays the current total capacity of DVR hard disk, the remaining capacity and working conditions. As shown below:

#### HDD Manage



## **Record** Time

Show starting and ending time of the computer's hard disk recording. As shown below



#### Version

Display serial number, system hardware features, software version and release date information. As shown below.



# **EVENT**

Displays the current alarm status.



# NET

The equipment with input function use the network channel management page for add or deleting the equipment and set the front-end configuration.

					IN	FO			
	SYSTEM		EVENT	<b></b>	NET		LOG		
BF	<b>P</b> S								
Online	User	Channel 1 2 3 4 5 6 7 8 9 10 11 12 13 11 12 13 14 15 16	Kb/S 3628 3957 166 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MB/H 1685 1747 79 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Wave				
								 	OK

[BPS] show the bitrate and waveform for each channel

INFO										
SYSTEN	1 🔼	EVENT	5	NET		LOG				
BPS										
Online User	adr	nin			10.12.4.12	20		_		
	Discor	nect Bloc	k for 60	se						
	Diacol									

[Online User] View the current online user status, disconnect and shielding

# LOG



Log information can be divided into system operation, configuration operation, data management, alarm event, recording operation, user management, log clear, file operations.

Select the type and time of the query, press the Find button, the system displays the log as a list, and click the Backup button will log export backup to your computer.

Click the Clear button, the system will remove all types of log files.

# CONFIG

# CHANNEL

(BASIC)



[Channel] Choose the channel # which needs setting;

[Channel Name] To set the channel name if in need;

[Channel Display] To set the channel name's display place on the picture;

[Time Display] To set the time's display place on the picture;

[Video Cover] To set some special area which needs special protection while preview and recording. (ENCODE)

		100	NFIG					
CHANNE	EL 🧙 NETWORK	or Event	🤹 s1	ROAGE	🕵 sy	STEM	*	APP
IP Channel	Channel	1 - NET						
Basic	Compression	H.264	-	Sub Stre	am1	V		
	Resolution	1080P		D1		V		
Encode	Frame Rate(FPS)	25		25				
Spanshot	Bit Rate Control	CBR		CBR		▼		
Shapanot	Quality	Normal		Normal				
P/T/Z								
Detect	Bit Rate(Kb/S)	4096 🔻		2048				
Smart								
Mode Switch								
			Refres	h Defau	lt OK	Car	ncel	Арр.

**[Channel]** Choose which channel to set. **[Compression]** H.264 [Resolution] There are multiple resolutions to choose for mainstream. Sub steam too. Defaults are usually best. PLEASE note that how these are set can effect how APPs and browser interfaces work. In the APP for example you select between main or sub stream and how the video is set up here is where APP pulls from. For sub stream you want to have somewhere around defaults or maybe lower pending overall network performance. This way the APP can pull video at sub stream level and mainstream is still at its best performance for record/ playback in case of an event and full details are needed.

[Frame Rate] PAL: 1fps-25fps; NTSC: 1fps-30fps.

Note: main stream, sub stream and frame rate are vary depending on devices and firmware version. [Bit Rate Control] It includes fixed stream and variable stream. Under fixed stream, user can set encode stream, while under variable stream, user can choose 6 class of image quality, lowest, lower, low, middle level, higher, highest.

[Quality]

[Bit Rate]

#### Snapshot

	Config											
CHANNE	L 🧙 NETWORK	The second secon	r Storage	SYSTEM	😤 APP							
IP Channel	Channel	1 - NET										
Basic	Mode Image Size	Timing	T T									
Encode	Image Quality	Worst										
Snapshot	Snapshot Frequency											
P/T/Z												
Detect		R.										
Mode Switch												
			Copy Defa	ult OK Ca	ancel App.							

[Channel] Select a channel.

[Mode] Trigger: Crawl images when alarm. Click to enable the function.

[Image size] Choose different resolution for snapshot.

[Image Quality] There are 6 levels of quality.

[Snapshot frequency] Set highest capture rate for single channel, 1/2/3/4/5/6/7/8 s/pc.

## Storage

#### HDD Manage



Basic



[Video mode] Record automatically, manually or not record.

[Video expiration time] The figure is between 0 to 365.

[Video package time] The figure is between 5 to 120 minutes.

[HDD full] Overwrite or stop recording.

[Channel] Select a channel.

[Video redundancy] Open or close the redundant recording.

[Prerecorded] The figure is between 0 to 30 seconds.

# **Recording plan**

			col	NFIG					
	L 🥵 NET	WORK 🧕	EVENT	<b>\$</b>	STROAGE	<b>5</b>	SYSTEM	*	APP
HDD Manage	Channel	1 - NET							
Basic Record Plan	Sun Mon Tue Wed Thu Fri Sat	00 06	al MD	18	24 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Setting Setting Setting Setting Setting Setting			
				Co	py Defa	ault	OK Ca	ncel .	Арр.

**[Channel]** select a channel. Green shows normal recording, Yellow shows motion detection, and Red shows Alarm. Users can set or change setting according to date. **[Copy]** copy the setting to other channels. Click **[Set]** and enter into plan editing picture

Pla	n		
	NI I	10	
Record Type	Normal	MD	Alarm
Period 1 00 : 00 - 24 : 00	$\overline{\mathbf{A}}$		
Period 2 00:00-24:00			
Period 3 00:00-24:00			
Period 4 00:00-24:00			
Period 5 00 : 00 - 24 : 00			
Period 6 00:00-24:00			
Select All			
📈 Sun 🔄 Mon 🔄 Tue 🔛 Wed			
🔄 Thu 🔄 Fri 🔄 Sat			
	OK	Cance	el App.

[Period] Set the recording period, there will be 6 periods to choose;

[**Regular**] Regular recording

[MD] Motion detection recording

[Alarm] Alarm recording

# **PTZ** setting

User can set PTZ channel, protocol, address, baud rate etc. Please make sure the PTZ address and connection is correct between PTZ's A, B wire and recorder's A, B wire.

			CON	FIG					
	EL 🧙 NETWO	ORK 📷	EVENT	-	STROAGE	<b>5</b>	SYSTEM	**	APP
IP Channel	Channel	1 - NET		₹					
Basic	Protocol	Net Protocol		₹					
	Address	1							
Encode	Baudrate	9600		▼.					
Spanshat	Data Bits	8		▼					
	Stop Bits	1		•					
P/T/Z	Parity	None		▼					
Detect	DVR control								
Smart	Frequency	3 sec.							
Mode Switch									
				Co	opy Defa	ult	OK Ca	ncel	App.

[Channel] Select a channel with PTZ camera[Protocol] Select PTZ camera's PTZ protocol(such as: PELCOD)[Address] Set address, the default is 1

(ANOTE: this address must be the same with PTZ, otherwise the PTZ can not be controlled) [Baud rate] Select the baud rate. Default is 9600. [Data Bits] Default: 8 [Stop Bits] Default: 1 [Parity] Default: None [DVR control] Click to enable [Frequency] Default: 3seconds, users can set any digits between 1~30 seconds

# Detect

The traditional alarm events, include video detection (motion detection, video loss, Video shade) and external alarms.

# Smart

Available on select models

# **Mode Switch**

Set the channel type (local channel, network channel) and intelligent mode (face detection, perimeter).

# NETWORK

	CONFIG	
CHANNE	el 🎭 network 👼 event 🔩 stroage 獎 system 🐏 APP	
DDNS	DDNS Type NO-IP DDNS Tipe	
Email	Domain Name	
P2P	Password	
Cloud Storage	Port 39012	
Push		
	OK Cancel App.	

[DDNS] Check the device setting through domain name

**[Email]** Set the sender's email SMTP server IP address, port, username, password and sender's mailbox, mail SSL encryption.

[P2P] Setting of P2P transmission

[Cloud Storage] Bind with cloud storage service and set synchronization rule.

[Push]

#### Summary

Dynamic DNS is a kind of system which point internet domain name to variable IP. According to the rule of Internet domain name, domain name must associate with the fixed IP address. Dynamic DNS provide a fixed Name server for the dynamic domain, and then guide the domain search to the IP address of dynamic user through Name server, which can make the outside user connect to the dynamic user's URL.

#### FNT DDNS

FNT DDNS is built-in professional dynamic DNS service in our network DVR. You can register directly in the device. Specific steps are as following.

#### [Main menu]-[Network]-[Application]-[DDNS], choose FNT DDNS

			CON	FIG				
S. CHANNEL	. 🧙 NETW	ORK 📷	EVENT	🤹 сті	ROAGE	🕵 sys	тем 🍧	APP
DDNS	DDNS Type	NO-IP DDNS	5 🗸	Enable	3			
Email	Domain Name User Name			]				
P2P	Password Server IP			]				
Cloud Storage	Port	39012		]				
Push								
						ОК	Cancel	Арр.

- 1: Select FNT DDNS and Enabled it.
- 2: Input one user name, there will be a domain name generated auto. Domain name = user name.faceaip.net.

#### 3: Input the password

4: Click "Register" button. If the domain name is not registered, it will pop up a message that connect DDNS server successfully otherwise it will prompt that the registration is failed.

Suggestion: you'd best change the DNS server in basic configuration to the router's DNS server

5: Click the "ok" button to complete the settings.

### ZUUM DDNS

#### Register

Register new account at <u>http://zuumddns.com/account/login</u> User: Installer Pass: zuumddns See our Quick Start Guide in the TVR box for ZUUM DDNS.

## Open [Main Menu]-[APP Centre]-[DDNS], choose ZUUM DDNS.

Refer to the following configuration:

# P2P

		CONFIG		
5. CHANNE	EL 🧙 NETWORK	👼 EVENT 🥞 ST	STROAGE 🕵 SYSTEM 🛀 APP	
DDNS Email	Enable Transfer Mode Account Reuse	OPEN ▼ None ▼	T T	
P2P	Device ID	00252f1a		
Cloud Storage	Password Local Port	UyZjFh 3000		
Push	P2P Server URL	http://www.vssweb.net		
	Status	Online	Ping	
	NAT Server Address	42.121.194.89	OK Cancel App.	

[Enable] Open/Close P2P function

[Transfer Mode] Network transfer strategy, choose Quality priority or Fluency priority

[Account Reuse] Enable it supports multiple users log in the same device

[Device ID] Display device ID

[Password] Device password

[Local Port] Set local port

[P2P Server URL] P2P server URL

[State] Current connection state

## **Cloud storage**

Push

# **SYSTEM**

## Basic

Get into the [Basical] menu under [Configuration]

			CON	IFIG					
CHANNE	EL 🤹 NETWORK	200	EVENT		STROAGE	2	SYSTEM	*	APP
Basic	System Time	11 - 03	- 2016   15	: 24 : 3	39				
GUI	DST		Setting						
	Date Format	DD MM	IYYYY	V					
Display Output	Date Separator	-		V					
Tour	Time Format	24-HOL	JR	V					
	Time Zone	GMT+0	0:00	V					
Maintain	Language	ENGLIS	ы	▼					
Account	Auto Logout	10	min.						
D-()	DVR No.	8							
Default	Video Standard	PAL		▼					
Upgrade	Startup Wizard	$\overline{\Delta}$							
R\$232	Device Name	NVR							
110202	Channel Mode	Set	-						
Toolbar									
					Defau	uit	OK Ca	ncel A	.pp.

[System Time] Set the HD record system time

[Daylight Saving Time (DST)] Enable the function and click "Set" to enter the local DST starting and ending time setting.

[Date Format] Modify the date display format

[Date Separator] Select the separator for date

[Time Format] 24 hr or 12 hr display mode

[Time Zone] Select the time zone

[Language] Select language (different models have different language choice)

[Auto Logout] Set menu stand-by time from 0-60 min. O min means no standby; if set a time, system will logout auto after this period time and user need to login again.

**[DVR No.]** Used for a remote control or keyboard control multiple devices. Please click "Ad" button on remote control and input the corresponding DVR number to operate.

[Video Standard] PAL/NTSC (must keep the same with the front-end camera)

[Startup Wizard] Enable switch, open/close the startup wizard interface

[Device Name] Used together with the push, display this device name in the alarm message received in iPhone.

[Channel mode] The selection of local channels and network channels.

Channel Mode						
1	Local	Net	Decoder Ability			
	✓ 0	16	16xD1 / 16x720P / 16x1080P			
			OK Cancel			

Select hybrid or NVR mode according the menu prompt and save. Reboot the device after channel mode modification. Channel mode introduces the device recording ability under different modes. Real recording ability needs refer to the detailed device specification.

# Display

GUI



[Transparency] Adjust menu transparency, four degrees

[Time Display] Enable switch for time displayed in live view

[Channel Display] Enable switch for channel name displayed in live view

			COI	NFIG					
CHANNE	EL  NET	WORK 📷	EVENT		STROAGE	<b>2</b>	SYSTEM	*	APP
Basic	Display	HDMI & VO	GA	▼.					
GUI	Hue			50					
	Brightness			50					
Display Output	Contrast			50					
T	Saturation			50					
rour				0					
Maintain				0					
A				0					
Account				0					
Default	Resolution	1024×768	@60HZ	▼					
Upgrade									
RS232									
Toolbar						1.			
					Defau	II	ОК Са	ncer A	vpp.

## [Display Output] CVBS/HDMI&VGA

Under CVBS mode, user can adjust the monitor or TV hue, brightness, contrast and saturation. You can also adjust the right TV output area when the displayed image is not full or beyond the scope of the monitor. Under HDMI&VGA mode, user can only adjust the monitor hue, brightness, contrast and saturation.

 $[Resolution] select the VGA output resolution and refresh rate, total includes 1024 \times 720@60 Hz \\ 1024 \times 768@60 Hz \\ 1280 \times 1024@60 Hz \\ 1366 \times 768@60 Hz and 1920 \times 1080@60 Hz five choices.$ 

[Tour]

	DISPLAY
GUI Output Co	onfig Tour Config
Enable Tour	
View 1	
Viewd	9 10 11 12 13 14 15 16
View 16	
	1 All and a second seco
	View 1
Alarm Tour	View 1
	Default OK Cancel App.

[Enable Tour] Enable switch

[Interval] Tour interval time is 5-120s

[View] It includes single screen, four-, nine-, sixteen-screen.

[Motion Tour] Set the motion detection tour mode

[Alarm Tour] Set the alarm tour mode

# STORAGE

### HDD Manage

Show the current HDD capacity, spare capacity and working status in the TVR

	STORAGE									
HDI	HDD Manage Record Time									
1*	Ty	ype .	Total Space	Free	Status					
All			14.91 GB	11.78 GB						
1*	Read/W	frite	14.91 GB	11.78 GB	Normal					
Pa	ageUp 🕞	PageDow	<u>ו</u>	Format Set	ОК					

[Format] Format one HDD, user must have appropriate permissions

# 

**[Set]** Set HDD as read-write, read only or redundancy mode. Video data can be protected from covering under read only mode. It supports HDD S.M.A.R.T smart detection at the same time.

	HDD Setup									
	HDD No. 1									
ł	8" 1*	(ID)Attribute Name	I nresnoid	value	100					
	2* 3* 4* 5* 6* 7* 8*	3 Spin up Time 5 Relocated Sector Count 7 Seek Error Rate 9 Power-on Hours Count 10 Spin up Retry Count 194 Power temperature 197 Current Pending Sector Cou	50 50 50 0 50 50 0 0 0	100 100 100 100 100 40 100	100 100 100 100 100 100 100					
					Set OK					

# **Record** Time

Show the record starting and ending time in the device HDD

STORAGE									
End Time									
)15-03-05 15:31:05									
)15-03-05 15:19:38									
)15-03-05 15:31:05									

# ABNORMITY

Status

BPS

			STATUS		
BPS Onlin	e User				
Channel	KP/S	MB/H	) <b>\</b> /ave		
Channel	ND/5	IVID/TI	wave		
1	0	0	1		
2	0	0	1		
3	0	0	1		
	U	U	-		
5	0	U	+		
	0	0	+		
8	n N	n n	+		
			1		Ł
				Back Nex	<b>1</b>

[Stream Statistics] Provide capacity size of video files for reference, stream statistics for each channel, waveform display.



#### **Online** User

5
5
5

[Online user] Online users can view the current status, disconnect and shielding.

# Maintain

Log: Display system logs, convenient for users to check.

				М	AINTAIN			
LOG	VE	RSION	DEFAU	LT AU	ITO MAIN	TAIN		
Туре		All			v			
Start Tin	ne	2015 -	03 - 05	00:00	: 00			
End Tin	ne	2015 -	03 - 06	00:00	: 00			Search
501	l	.og Tim	e	Event				
491	201	15-03-05	15:45:02	admi <	in>User Lo	ogin		
492	201	15-03-05	15:45:12	<admi< th=""><th>in&gt;User Lo</th><th>ogout</th><th></th><th></th></admi<>	in>User Lo	ogout		
493	201	15-03-05	15:45:12	<admi< th=""><th>in&gt;User Lo</th><th>ogout</th><th></th><th></th></admi<>	in>User Lo	ogout		
494	201	15-03-05	15:45:22	! <admi< th=""><th>in&gt;User Lo</th><th>ogin</th><th></th><th></th></admi<>	in>User Lo	ogin		
495	201	15-03-05	15:45:22	∶ <admi< th=""><th>in&gt;User Lo</th><th>ogin</th><th></th><th></th></admi<>	in>User Lo	ogin		
496	201	15-03-05	15:45:32	∶ <admi< th=""><th>in&gt;User Lo</th><th>ogout</th><th></th><th></th></admi<>	in>User Lo	ogout		
497	201	15-03-05	15:45:33	<admi< th=""><th>in&gt;User Lo</th><th>ogout</th><th></th><th></th></admi<>	in>User Lo	ogout		
498	201	15-03-05	15:45:47	′ <admi< th=""><th>in&gt;User Lo</th><th>ogin</th><th></th><th></th></admi<>	in>User Lo	ogin		
499	201	15-03-05	15:45:47	′ <admi< th=""><th>in&gt;User Lo</th><th>ogin</th><th></th><th></th></admi<>	in>User Lo	ogin		
500	201	15-03-05	15:45:52	∶ <admi< th=""><th>in&gt;User Lo</th><th>ogout</th><th></th><th></th></admi<>	in>User Lo	ogout		
501	201	15-03-05	15:45:52	! <admi< th=""><th>in&gt;User Lo</th><th>ogout</th><th></th><th>Ξ</th></admi<>	in>User Lo	ogout		Ξ
🛛 🖂 Page	эUр	🖹 Pag	eDown					
							Clear	ОК

Log information can be divided into system operation, configuration operation, data management, alarm event, record operation, user management, log clear, file operations.

Select the type and time of the query, press the Find button, the system displays the log records in a list, and click the Backup button export backup logging onto your computer.

Click the Clear button, the system will remove all types of log files.

## Version

			MAINTAIN				
LOG	VERSION	DEFAULT	AUTO MAIN	TAIN			
Seria Produ	l No. uct Type	03115807722	3255151				
Build	Date	2014-12-26					
Syste	m	4.0.0.0					
Web		2.8.5.21					
Video	o In	0					
Audio	o In	0					
Alarm	ı In	8					
Alarm	n Out	3					
	Alarm Out 3 If you need to upgrade system now,please press the upgrade button to enter the page of upgrade,then insert USB upgrade disk,choose the upgrade file and press the start button to start upgrade.Don't shut down the power during upgrade!						
Upgra	de			ок	Cancel App.		

**[Version]** Display device serial number, system hardware features, software version and release date information. **[Upgrade]** System software can be upgraded: Insert a USB storage device, click Upgrade.

 $\triangle$  Noted: System upgrade may cause the DVR can not start properly, please Operation under the guidance of the company's technical staff.

## Default

[Default] System back to the default configuration factory state (specific items recovered optional)





#### noi de residrea.

# Auto Maintain

[Auto maintain] Set the desired the project of automatic maintenance.

MAINTAIN						
LOG VERSION	DEFAULT	AUTO MAINTAIN				
Auto-Reboot Sy	stem					
Every Tuesda	<b>at</b> 02:00					
		Default Ok	Cancel	App.		

## Account

#### **Basic Considerations of User Management:**

- The following user names and user group names, etc., character and length consisting up to six bytes, the invalid string is trailing spaces. Legal characters: letters, numbers, underscores, minus sign, point, other characters are not allowed to use.
- the number of users and groups is not limited, User Group increased or delete according to user-defined: The factory settings are user \ admin two groups. Users can set their own related group, the group of users

can be freely re-assign permissions at the group permissions.

- user management using two methods of user and group,, Group name and the user name cannot be repeated,, each user must belong to a group, a user can belong to only one group.
- There are three users: admin, user, and hidden default initialization. The factory password for first two are 123456. admin default user permissions are high at the factory, and the factory default user as a low privileged user, only for monitoring, playback.
- hidden default: This user system for internal use and cannot be deleted. When local is in "no user is logged" state, the system will automatically log in with this account. Users can modify this account permission to do what free login can do.
- Enter to the menu interface of increase user, Enter your user name and password, select belongs to which group, and select whether to reuse this user. Reuse means that the account can be used simultaneously, multiple clients can use the account.

Once the group belongs selected, the user's permissions only a subset of the group, not ultra vires the properties of the group.

	ACCOUNT						
3 1 2 3	User admin user default	Group admin user user	Status Login Net Normal Default User				
Ad	dd User Modi Id Group Modify	fy User y Group Modif	/ Password	ОК			

[Add User] Increases users within the group and settings user access control.

[Modify User] Modify the user and settings user access control.

[Add Group] Add group and settings group access control

Enter into the menu interface of Increase the group, determine the group name, select 83 access control, left click mouse button to confirm, save the new user group.

[Modify Group] To modify the group attribute which already exists.

[Modify Password] To modify the password of user account.

Select the user, enter old password then enter new password and confirm

Click[confirm] Button to make sure modify password.

The password can be set 1-6. Beginning and ending spaces is invalid password, you can have a space in the middle.

Users which has User Account Control permission can change their own passwords, can also modify other users' passwords.

# Network

Network configuration interface can set the DVR network parameters. DVR factory default IP address is 192.168.1.88. The menu contains the network settings of basic setup, advanced settings and network service application settings.

#### Basical

N	ETWORK			
Basical Advanced Net Apps				
Network Card Type	LAN			
DHCP				
IP Address	10	. 12 .	4 . 121	
Subnet Mask	255	. 255 . 2	255 . 0	
Gateway	10	. 12 .	4.1	
First DNS Server	8	. 8 .	8.8	
Alternate DNS Server	192	. 168 .		
Physical Address	e0:61:	b2:20:00:	68	
	Default	OK	Cancel	App.

[Network Card Type] LAN 1、2 can be selected by Dual LAN equipment

**[DHCP]** Automatic search IP function. When you open the DHCP IP / Mask / Gateway cannot be located, if the current DHCP in effect, the IP / Mask / Gateway DHCP display values obtained can be found in the network state **[IP Address]** Use ( $\blacktriangle \lor$ ) or input numbers to modify IP, then set **[subnet mask]** and **[default gateway]** for this IP. **[First DNS Server]** DNS server IP

[Alternate DNS Server] DNS alternate IP

[Physical Address] Physical address of current net port

## Advanced

	NETWORK
Basical Advance	d Net Apps
Port Set	
TCP Port	8000 UPNP Port Mapping
HTTP Port	80 No UPNP Port
UDP Port	8001
RTP/RTSP Port	554
RTSP URL	
Multicast Set	
IP Address	239 · 255 · 42 · 42
Port	36666
	OK Cancel App.

[TCP port] 8000 as default, Can set the port according to the actual needs of the user..

[HTTP port] 80 as default.

[UDP port] 8001 as default, Can set the port according to the actual needs of the user. •

[RTP/RPSP port] 554 as default.

**[UPnP]** Protocol can turned on port mapping by the router automatically, when using this feature, make sure UPnP is enabled on the router function.

[Multicast] Multicast IP address range restrictions in the following figure, the multicast port number is not restricted.

## Net Apps

	NETWORK
Basical Advance	ed Net Apps
PPPOE	Setting
3G	Setting
NTP	Setting
FTP	Setting
IP Filter	Setting
Alarm Server	Setting
Auto Register	Setting
Transcapacity	Setting
ipc upnp	Setting
	Default OK Cancel App.

[PPPOE] Select Enable switch to turn on the PPPOE dial-up service of the device.

Enter ISP (Internet service provider) provide the saving of user, password for PPPoE

Operation: Succeed after dialing, check the [Network Status]IP, then enter the IP address to access the device after open IE $_{\circ}$ 

[3G] Support 3G card dial-up to provide remote access device features.

**[NTP]** Select Enable switch to turn on the NTP protocol support, can be with SNTP communication server to realize automatic calibration function.

Host IP: Enter the IP of NTP service NTP

Port: Supports TCP transport only, port is limited only 123.

Update cycle: interval time is 1 minute or more, the maximum update period is set to 65,535 minutes.

Time zone: London GMT+0 Berlin GMT +1 Cairo GMT +2 Moscow GMT +3 New Delhi GMT +5 Bangkok GMT +7 Hong Kong&Beijing GMT +8 Tokyo GMT +9 Sydney GMT +10 Hawaii GMT-10 Alaska GMT-9 Pacific Time GMT-8 US Mountain Time GMT-7 US Central Time GMT-6 US East Time GMT-5 Atlantic Time GMT-4 Brazil GMT-3 Atlantic – Central GMT-2.

[FTP] Select the Enable box to make the protocol enable, to enter the FTP settings menu.

Two kinds of FTP upload file types are video files and pictures, set up an FTP server address, port, remote directories and so on. When remote directory is empty, the system will automatically create a different folder by IP, time, channel.

User name, password to access the FTP username and password.

Set upload file size, you need to upload the file channel, time, type, etc.

Set upload length which upload to FTP server file length, if less than the set value, the entire video file upload; If more than the set value, upload take part from the beginning and set the value of consistency, the file later omitted; setting a value of 0, then upload the entire video file.

Different channels can be set two different time periods, three types of video recording.

**[IP Permissions]** For permission to access the DVR IP rights management. When choosing the white list, the list indicates that only the IP to connect this DVR. The list of supported 64 IP settings. If the selected item is not ticked, no restrictions on access to the device's IP.

[Alarm Center] Alarm interface for customers to reserve the use of self-development.

#### [Network transmission capacity]

**[Number of network user connections]** Number of connections: 0-10, if you set o means the network does not allow users to connect; the maximum number of connections is 10.

**[Number of network Monitoring connections]** The number of connections is recommended: 0-32, this needs to tick to start this function. Real-time video over the network for browsing, the number of connections depending on network bandwidth, the number greater, the larger the network load, will impact of video playback fluency.

[Number of own load Internet connections The number of connections to download recommendations: 0-8, this need to tick to start this function

[Network transmission QoS] Smooth network transmission quality priority or image quality priority or adaptive,

depending on the setting, the network adjusts the stream automatically.

### RS232

			CON	IFIG					
CHANNE	il 🧙 Netv	VORK 📷	EVENT		STROAGE	<b>5</b>	SYSTEM	*	APP
Basic	СОМ Туре	RS232							
GUI	Function	Console		-					
	Baudrate	115200		-					
Display Output	Data Bits	8		-					
Tour	Stop Bits	1							
, our	Parity	None							
Maintain									
Account									
Default									
Upgrade									
RS232									
Toolbar									
					Defa	ult	ОК Са	ncel /	App.

[Function] Select the appropriate serial protocol

[Regular] Used to update firmware and adjust

[Keyboard] Used specialized keyboard to control the device by serial port

[Transparent serial port] Used to transmit serial port data transparently

[Net keyboard] Use specialized keyboard to control the device through network

[PTZ] Connect with matrix

Note: some models do not have RS-232 serial port, please refer to some relative data sheet. [Baud rate] Select the relative length of baud rate [Data Bits] Default: 8 [Stop Bits] Default: 1 [Parity] Default: None

# **WEB** Access

# **WEB** Operation

# **Network Connection**

Check whether the TVR is on the network by checking B-Lamp on front panel, light indicates connection,

otherwise connection error.

Set IP, subnet mask and gateway for computer and DVR. Please assign the same segment IP address without router, need to set the appropriate subnet mask and gateway with router.

The detail of DVR network configuration please see [Configuration]-[Network Setting]

Ensure the IP is correct and check whether the DVR is on the network by using the Windows command "ping".

# The control installation and the user login logout

Users can remote access to TVR by Internet Explorer, assuming you have a correct network configuration. The following interface will pop up when you access the IP address in Internet Explorer.



The following interface will pop up when you log in.



Install plug in so video can show.

# The Interface Of Web Operations

#### WEB Interface Description

After log in the web, the preview interface will pop as following:

ZUUM		1	은 admin	× Logout
ᠿL Preview 🚆 Playl	back 🔅 Config 🌲 Alarm 🕂 7			
Channel Cam 01 Cam 02 Cam 03 Cam 04 Cam 04 Cam 05 Cam 06 Cam 07 Cam 08 Open All Main Open All Stream	8	6	1094∎d+x 3	PTZ control
10		cx Ion	±⊡Q.#D4× 4	P/T/Z Scan V Start Image Adjustment

#### WEB Interface Description

Index	Name	Description
1	Log out	Show the current login user, click on log out
2	Full Screen	Full screen preview
3	PTZ control	PTZ control menu
4	Image color & other	Image color: modify brightness, contrast and
4	saturation	Other: set capture path, record download path and reboot
5	Device function key	Two way talk function key and etc.
6	Channel function key	screenshots, electronic amplification function keys and etc
7	Menu	System configuration, record search, alarm setting, exit, etc.
8	Channel Selection	Realtime channel preview selection
0	All open loss	Open all can be open all channels real-time monitoring (main/auxiliary
9	All open key	stream) in the video monitoring window
10	Surveillance window	Real time recording or playback
11	Channel segmentation	Provide the single picture, 9, 4 picture image segmentation method.
11	window	

## Select the focus window

Into the WEB interface, select the focus window in live window, the focus window has a light green border.

#### **Preview Channel Selection**

The left channel column is as following picture:

# The Real-time Monitoring

Into the WEB interface, select the focus window in live window, the focus window has a light blue border. From the left channel column select channel, as shown in the following interface.



Click on 2 area in upper right corner can choose open / close the channel of the main stream or secondary stream, shows the current DVR's IP and rate information.

1920*	1080 5949Kbps		
1			
1	/	/	
Contraction of the	1	/	

Lower left corner shows the current video channel name.

Upper right corner shows the current video time information.



(Lower left corner of the display window) to switch between single

screen and multi-screen.

Lower right corner of the display window is function keys, as the following interface. Refer to area zoom, switching multi screens, local records, capturing and so on.



Area zoom: Video images can be enlarged.

Multi-screen switch: switch from single screen to multi-screen and vice versa..

Local record: save and record video to a local HDD while in a live view. Set recording path in configuration...



Capture: capture of the present channel, set the path in "other..

Sound: on/off sound...

# Off video: off the focus window video.

# **PTZ Control**

## Set protocol (see[Setting]-[PTZ])

Control PTZ direction, step size, zoom, IRIS, preset, tour, pattern, border scan, light, wiper, auto pan, etc. Step size controls PTZ direction and speed, e.g. step size 8 is moved faster than step size 1. Eight direction rotations: up, down, right, left, up-left, up-right, lower left, lower right.

PT	Z co	ntrol			
	۲		۲		
	۹	$\mathbb{C}$	•		
		•	4		
+ Zoom - + Focus - + Iris - PTZ Settings					
Scan 🗸					

## Border scan

Operation: select the camera line scan of the left/right margin by direction button, and click the Settings button in the left /right margin position to determine the left border.

#### Preset

Operation: modify preset position by direction button and inputting a preset number, then click "Add" to save. **Tour** 

Operation: select "Tour"; Point between the first cruise line cruise input box value. And input numbers in "Path" and "preset". Click[Add Preset] to add one preset in the cruise path, and repeat to add additional presets. Click [Clear Preset] to delete a preset, repeat to delete more.

## Pattern

Operation: Click "Pattern" in order to record an automated pattern. Then, go back to the PTZ controls in order to modify the zoom, focus and IRIS, etc. Stop recording in "Pattern" setting to save the pattern.

## AUX

On/off one of AUX

## Wiper

On/off wiper under protocol

# Configuration

Access TVR local configuration menu by click "System Setting", the further details please refer. [Local operation guide]

Preview 🔐 P	layback 🔅 Set	🌲 Alarm		
eo Config annel Set	Encoding Snapsh	ot Overlay		
Image	Chn NO.	1 ~		
mote Device	Master Stream		Sub-Stream	
ote Intelligence	Coding mode	H.264 ¥	Coding mode	H.264 🗸
	Resolution	1080P 🗸	Resolution	D1 🗸
al intelligence	Frame Rate(FPS)	25 🗸	Frame Rate(FPS)	25 🗸
work Settings	Bit Rate Type	CBR 🗸	Bit Rate Type	CBR 🗸
<b>F</b>	Reference Bit Rate	1280-8192Kb/S	Reference Bit Rate	1000-2200Kb/S
Event	Bit Rate	4096 🗸	Bit Rate	2048 🗸
je Management	✓ Watermark Settings			
SYSTEM	Watermark Character	Watermark		
	Default Refresh	ок		

# **Search Record**

Click "Search record" to open the search interface, can search and operate record, alarm, motion, local record **Search record** 

By selecting the record type, start and end times, and click the check button, get a list of files on the DVR. Select the appropriate file and download can be played

## Play

Double click a search result to play in video window. Control the playing video by the control keys on the bottom. At this point, the bottom of the video window will display the video control buttons, video playback can be controlled.



Download: select a searched video to download to local. The download speed and percentage are displayed on the bottom of the screen.



# **Alarm Configuration**

Click the **[Alarm]** to enter the alarm setup menu, users can set up and operate the alarm mode, as show 5-11. If need warning message displayed and real-time pop up on the WEB interface, open the **[monitor alarm]**, and select the appropriate type of alarm.

Choose type of alarm on menu, monitor video loss, motion detection, disk full, disk error, video mask, external alarm.

Click **[Video Pop-up]**, open the video loss, motion detection, hard disk full, hard disk failure, video block, video encoder alarm pop-up linkage.

Click [prompt] open the prompt: When an alarm occurs in real-time monitoring will popup alarm window menu.

Click **[Sound Pop-up]**, you can choose alarm tone pre-recorded on the local hard drive when an alarm occurs, tone file in WAV format.



# 1 Appendix

# Alarm linkage setting

Alarm linkage settings interface as following.

Motion Detect-Linkage Setting					
Alarm Out	Setting	Send Email	Setting		
Linkage Record	√ Setting	Pushed to phone	Setting		
Snapshot	Setting	Send NetDisk	Setting		
PTZ Linkage	Setting				
Tour	Setting				
Show Message	$\overline{\nabla}$				
Buzzer	1 sec.				
	De	tault OK C	ancel App.		

# Alarm Out

Linkage the device alarm through the interface as following:

_	Alarm Out	
Alarm Out	1 2 3	
Latch	10	sec.
	OK Cancel	

Support 10s-300s alarm-delay.

# Linkage Record

Video channel linkage.



Support 10s-300s alarm-delay.

# Snapshot

Screenshots through channel linkage as the interface following:

Snapshot	
Snapshot	
12345678	
OK Cancel	
on ouncer	

Configure the screenshots by setting [main menu]-[screenshot setting].

 $\angle \Omega$  Attention: if the access channel is the network channel, please check if the screenshot function is open of the camera.

# PTZ Linkage

Preset position, cruise, trace by setting the PTZ linkage.

PTZ Activation			
P/T/Z	Cam 1	V	
Linkage Type	None	▼ 0	
	OK	Cancel	

Preset position, cruise, trace by setting the PTZ configuration. See details on page 66.2.

# Tour

Select the round tour channel, when the alarm occurs, select the single channel to the round tour.



# Show Message



Select the prompt to open the screen, if it occurs alarm, the preview screen will pop up the prompt as following:

# **Buzzer**

Select the buzzer, the buzzer can last 1s-600s.

# Send Email

Email configuration interface is as following:

	EMAIL	
SMTP Server	MailServer	Enable
Port	25	
User Name		
Password		
From		
Title	DVR ALERT	
Receiver		
Receiver		
Receiver		
Event Interval	0	sec. SSL Enable 🔄
c	K Cancel App.	Test

Configure the SMTP server, IP address, ports, user name, password and the email address of the sender, SSL encrypt the email. The title of the email can support English and the Arab number, the maximum input characters reach as much as 32 characters.

# Server push

Server push configuration interface as following:

	Push		
MESSAGE	Time Lag	60s 🔍	
Picture	Test		
Push Info			
Event		Emergency	' Level
External Alarm	▼	Middle 🚽	
Device Status			
Device Start	▼	High 🚽	
Default	OK Cancel	Арр.	

[Send message Open or close the mobile phone message sending

[Image attachment] Open the function of image attachment.

[Time Lag] Set the time lag of the message sending, 60s/90s/120s is optional.

[Test] Click Send to test the message sending function

[Event] Open or close the event sending, the events including external alarm, face detection, perimeter intrusion detection.

**[Device exception]** Open and close the device exceptional sending, the exception including the device startup, no hard dick, error hard dick, start recording/stop recording.

[Urgency Degree] The message sending level can be divided into High/Medium/Low level.

# Send NetDisk

Choose Baidu cloud disk, Dropbox, Google Drive for binding.

	CLC	DUD STORAG	je	
Baidu				
Dropbox				
Google Drive				
Upload Path				
	<u> </u>			
ALARM	Channe	1 - NET	V	
Source	CloudSt	orage	Snapshot	
Motion Detect			Select	
Local Alarm			Select	
Perimeter New Rul				
		Сору	OK Cancel	Арр.