**MPIX Web Manual** 

# **Table of Contents**

1	Netv	work Connection1		
2	Mair	n Interface Introduction	2	
	2.1	Log in	2	
	2.2	Live Interface	4	
	2.3	Encode Setup	4	
	2.4	System Menu	5	
	2.5	Video Window Function Option	5	
	2.6	Video Window Setup	6	
3	PTZ	Control	8	
4	Setup1			
	4.1	Camera	11	
		4.1.1 Conditions		
		4.1.2 Video 4.1.3 Audio		
	4.2			
		4.2.1 TCP/IP		
		4.2.2 Connection	21	
		4.2.3 PPPoE		
		4.2.4 DDNS		
		4.2.5 IP filter		
		4.2.6 SMTP (e-mail)		
		4.2.7 UPnP		
		4.2.8 SNMP		
		4.2.9 Bonjour 4.2.10 Multicast		

4.2.1 <sup>2</sup>	1 WIFI	
4.2.12	2 Qos	
4.3 Ev	ent	34
4.3.1	Video detect	
4.3.2	Alarm	40
4.3.3	Abnormity	42
4.4 Sto	orage	44
4.4.1	Record schedule and snapshot schedule	44
4.4.3	Record control	47
4.5 Sy	stem	48
4.5.1	General	48
4.5.2	Account	
4.5.3	PTZ	54
4.5.4	Default	55
4.5.5	Import/Export	55
4.5.6	Auto maintenance	56
4.5.7	Firmware update	57
4.6 Inf	ormation	57
4.6.1	Version	57
4.6.2	Log	58
Alarm		59
Log out		60

# Important

5

6

The following functions are for reference only. Some series products may differ from the functions listed below.

# 1 Network Connection

This series MPIX product support the Web access and management via PC.

Web includes several modules includes monitor channel preview, PTZ control, system configuration, alarm and etc.

Please follow the steps listed below for network connection.

- Make sure the MPIX has connected to the network properly.
- MPIX IP address and PC IP address shall be in the same network segment. If there is router, please set the corresponding gateway and subnet mask.
- Use order ping \*\*\*.\*\*\*.\*\*\*(\* IP camera address) to check connection is OK or not.

# 2 Main Interface Introduction

# 2.1 Log in

Open IE and input IP camera address in the address bar.

For example, if your camera IP is 192.168.1.108, then please input http:// 192.168.1.108 in IE address bar. See Figure 2-1.

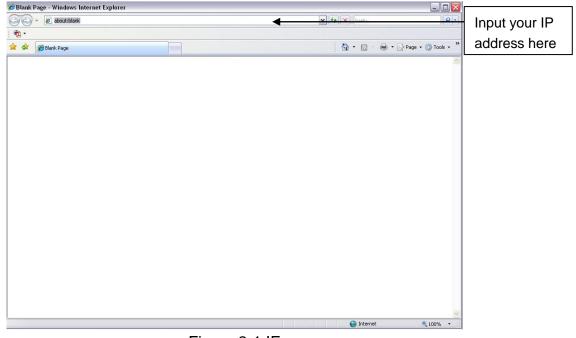


Figure 2-1 IE

The login interface is shown as below. See Figure 2-2.

Please input your user name and password.

Default factory name is admin and password is 1234.

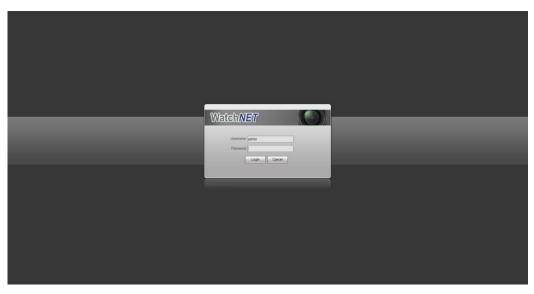


Figure 2-2 Login Interface

If it is your first time to login in, system pops up warning information to ask you whether install control webrec.cab or not. Please click OK button, system can automatically install the control. When system is upgrading, it can overwrite the previous Web too.

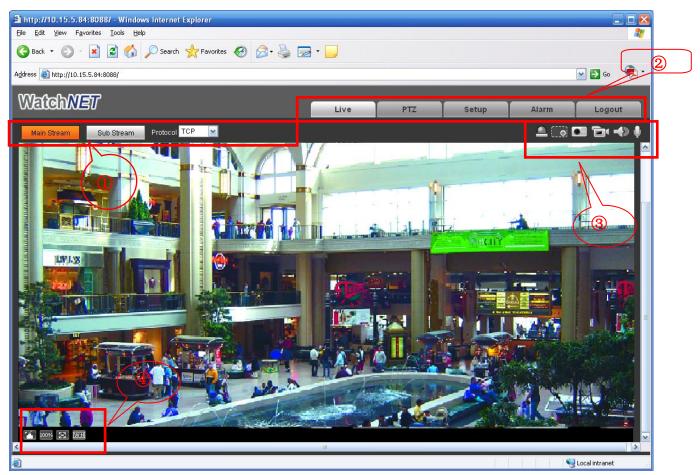
If you can't download the ActiveX file, please check whether you have installed the plug-in to disable the control download. Or you can lower the IE security level. See Figure 2-3.

Internet Options	Security Settings - Internet Zone
General Security Privacy Content Connections Programs Advanced	Settings
Select a zone to view or change security settings.	Disable     Enable
🔮 😼 🗸 🗎	Download signed ActiveX controls (not secure)     Disable
Internet Local intranet Trusted sites	Enable (not secure)     Prompt (recommended)
This zone is for Internet websites, except those listed in trusted and restricted zones.	Download unsigned ActiveX controls (not secure)     Disable (recommended)     Enable (not secure)     Prompt
Security level for this zone Allowed levels for this zone: Medium to High Medium-high Appropriate for most websites	Initialize and script ActiveX controls not marked as safe for se     Disable (recommended)     Enable (not secure)     Prompt
Prompts before downloading potentially unsafe     content     Unsigned ActiveX controls will not be downloaded	Run ActiveX controls and plug-ins     Administrator approved     Takes effect after you restart Internet Explorer
Qustom level         Default level           Reset all zones to default level	Reset custom settings       Reset to:       Medium-high (default)
OK Cancel Apply	OK Cancel

### Figure 2-3 Security Settings

# 2.2 Live Interface

After you logged in, you can see the live monitor window. See Figure 2-4.





There are four sections:

- Section 1: Encode setup bar
- Section 2: System menu
- Section 3: Window function option bar
- Section 4: Window adjust bar

# 2.3 Encode Setup

The encode setup interface is shown as in Figure 2-5.

Main Stream	Sub Stream	Protocol	тср 🔽

#### Figure 2-5 Encode setup

Please refer to the following sheet for detailed information.

Parameter	Function
Main stream	In normal network width environment, main stream can record audio/video file and realize network monitor. You can set the main stream resolution if your device supports.
Sub (Extra) stream	If network width is not sufficient, you can use sub stream to realize network monitor.
Protocol	You can select stream media protocol from the dropdown list. There are three options: TCP/UDP/Multicast

# 2.4 System Menu

System menu is shown as in Figure 2-6.

Please refer to chapter 2.2 Live, chapter 3 PTZ, chapter 4 Setup, chapter 5 Alarm, chapter 6 Log out for detailed information.

Live	PTZ	Setup	Alarm	Logout
------	-----	-------	-------	--------

Figure 2-6 System Menu

# 2.5 Video Window Function Option

The interface is shown as below. See Figure 2-7.

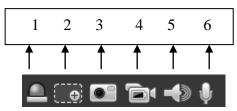


Figure 2-7 Video Window Function

SN	Parameter	Function
1	Alarm output	Click it to generate an alarm output.
2	Digital zoom	Click this button and then left drag the mouse in the zone to zoom in. Right click mouse system restores original status.

3	Snapshot	You can snapshoot important video. All images are memorized in system folder: \ picture download (default). You can go to Setup->Camera->Video->Path to modify the local record save path.	
4	Record	When you click local record button, the system begins recording. The recorded file is saved to system folder: \ Record Download(default).	
		You can go to Setup->Camera->Video->Path to modify the local record save path.	
5	Audio output	Turn on or off audio when you are monitoring. Some series product does not support this function.	
6	Bidirectional talk	Click it to begin audio talk. You can go to Setup->Camera- >Audio to set bidirectional talk mode. Some series product does not support this function.	

# 2.6 Video Window Setup

The interface is shown as in Figure 2-8.

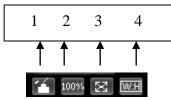


Figure 2-8 Video Window Setup

Please refer to the following sheet for detailed information.

SN	Parameter	Function
1	Image control	Click it to open picture setup interface. See Figure 2-9. This interface is on the top right pane.
2	Original size	Click this button to go to original size. It is to display the actual size of the video stream. It depends on the resolution of the bit stream.
3	Full screen	Click it to go to full-screen mode. Double click the mouse or click the Esc button to exit the full screen.
4	Width and height ratio	Click it to restore original ratio or suitable window.

The picture setup interface is shown as in Figure 2-9.

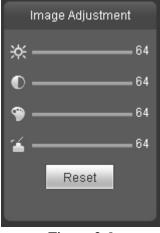


Figure 2-9

Parameter		Function		
Video setup	¥	It is to adjust monitor video brightness.	Note: • All the operations here	
	igodot	It is to adjust monitor video contrast ness.	<ul> <li>apply to WEB end only.</li> <li>Please go to Setup-</li> </ul>	
	<b>@</b>	It is to adjust monitor video saturation.	>Camera->Conditions to adjust corresponding items.	
	1	It is to adjust monitor video hue.		
	Reset	Restore brightness, contrastness saturation and hue to system default setup.		

# 3 PTZ Control

#### Please note some series product does not support this function.

Before PTZ operation, please make sure you have properly set PTZ protocol. (Please go to Setup->System->PTZ to set.).

Here you can view direction keys, speed, zoom, focus, iris, preset, tour, pan, scan, pattern, aux close, and PTZ setup button. See Figure 3-1.

- PTZ direction: PTZ supports eight directions: left/right/up/down/upper left/upper right/bottom left/bottom right.
- Speed: The step 8 speed is faster than step 1.



Figure 3-1 PTZ Interface

Click PTZ set button, the interface is shown as in Figure 3-2.

PTZ Settings			×
Scan			
	Set Left Limit	Set Right Limit	
Preset (Effective Scope	0-255)		
0	Add	Delete	
Tour (Effective Scope:1	-255)		
1	Add	Delete	Delete Group
Pattern (Effective Scop	e:1-255)		
1	Start Record	Stop Record	
Assistant			
Compensation 💌	Start	Stop	
Matrix			
Monitor Output 0	Video Input 0	Matrix ID 0	Video Switch
Light Wiper			
	Turn on	Turn off	

Figure 3-2 PTZ Setup

Please refer to the following sheet for PTZ setup information.

Parameter	Function
Scan	<ul> <li>Move the camera to you desired location and then click left limit button.</li> <li>Then move the camera again and then click right limit button to set a right limit.</li> </ul>
Preset	Use direction keys to move the camera to your desired location and then input preset value. Click add button, you have set one preset. The preset value ranges from 1 to 80. (It may vary due to different protocols.)
Tour	<ul> <li>Input auto tour value and preset value. Click add button, you have added one preset in the tour.</li> <li>Repeat the above procedures you can add more presets in one tour.</li> <li>Or you can click delete button to remove one preset from the tour.</li> <li>The tour value ranges from 1 to 255. (It may vary due to different protocols.)</li> </ul>

Parameter	Function
Pattern	You can input pattern value and then click start record button to begin PTZ movement. Please go back to Figure 3-1 to implement camera operation. Then you can click stop record button in Figure 3-2. Now you have set one pattern.
Assistant	The assistant items include: BLC, Digital zoom, night vision, camera brightness, flip. You can select one option and then click start or stop button.
Matrix	Please select the matrix X, and then input the corresponding monitor output number, video input channel number, and then you can click video switch button to complete the operation.
Light and wiper	You can enable or disable the light/wiper.

# 4 Setup

## 4.1 Camera

### 4.1.1 Conditions

Here you can view device property information. Slight differences may be found due to different MPIX series. The setups become valid immediately after you set. See Figure 4-1.

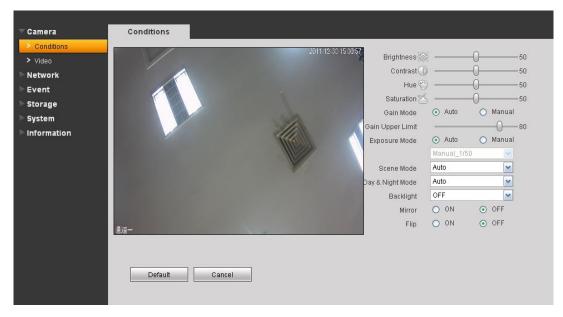


Figure 4-1

Parameter	Function
Brightness	It is to adjust monitor window bright. The value ranges from 0 to 100. The default value is 50.
	The larger the number, the bright the video is. When you input the value here, the bright section and the dark section of the video will be adjusted accordingly. You can use this function when the whole video is too dark or too bright. Please note the video may become hazy if the value is too high. The recommended value ranges from 40 to 60.

Contrast	It is to adjust monitor window contrast. The value ranges from 0 to 100. The default value is 50.
	The larger the number, the higher the contrast is. You can use this function when the whole video bright is OK but the contrast is not proper. Please note the video may become hazy if the value is too low. If this value is too high, the dark section may lack brightness while the bright section may over exposure .The recommended value ranges from 40 to 60.
Hue	It is to adjust monitor window hue. The value ranges from 0 to 100. The default value is 50.
	The input value will adjust the hue but has no effect on the general brightness of the whole video. Such as turn the red color to the blue color. There is a default value according to the sensitization of the sensor. Usually you do not need to do some major setup. The recommended value ranges from 40 to 60.
Saturation	It is to adjust monitor window saturation. The value ranges from 0 to 100. The default value is 50.
	The larger the number, the strong the color is. This value has no effect on the general brightness of the whole video. The video color may become too strong if the value is too high. For the grey part of the video, the distortion may occur if the white balance is not accurate. Please note the video may not be attractive if the value is too low. The recommended value ranges from 40 to 60.
Gain Mode	There are two options: manual/auto.
Gain Adjust	The gain adjust is to set the gain value. The default value may vary due to different device models. The smaller the value, the low the noise. But the brightness is also too low in the dark environments. It can enhance the video brightness if the value is high. But the video noise may become too clear.
Exposure Mode	There are two modes: Auto exposure (AE) and Manual exposure (ME).
	There are several values for the manual exposure mode. You can select from the dropdown list, It support the long exposure. It supports customized setup too. The device can auto exposure according to the exposure time you set here. The value ranges from 0.1 to 80ms. The exposure time is fixed if the max and min value are the same.
	Customized value: System can auto exposure according to the value you set here. The value ranges from 0.1 to 80ms.

Auto Iris	Before the setup, please make sure you have installed the auto iris.
	You can check the box before ON to enable this function. The auto iris may change if the light becomes different.
	When you disable this function, the iris is at the max. System does not add the auto iris function in the exposure control.
	This function is on by default.
	Some series product does not support this function.
Scene Mode	It is to set the white balance mode. It has effect on the general hue of the video. This function is on by default.
	You can select the different scene mode such as auto, sunny, cloudy, home, office, night, disable and etc to adjust the video to the best quality.
	• Disabled: The white balance function is off. The video will be output at the original color.
	• Auto: The auto white balance is on. System can auto compensate the color temperature to make sure the vide color is proper.
	<ul> <li>Sunny: The threshold of the white balance is in the sunny mode.</li> </ul>
	<ul> <li>Night: The threshold of the white balance is in the night mode.</li> </ul>
	<ul> <li>Customized: You can set the gain of the red/blue channel. The value reneges from 0 to 100.</li> </ul>
Day/Night Mode	It is to set device color and the B/W mode switch. The default setup is on.
	Color: Device outputs the color video.
	<ul> <li>Auto: Device auto select to output the color or the B/W video according to the device feature (The general bright of the video or there is IR light or not.)</li> </ul>
	• B/W: The device outputs the black and white video.
	• Switch by periods: You can se the day/night mode switch time. For example, you can set the sunrise time as 06:00:00 and the sunset time as 18:00:00. The video in the specified period will be color while the video in the rest period will be black and white.
BLC	This function can make the target clearer. It can make the details of the dark section become clear when the background is too bright.
	This function is disabled by default.

Flip	It is to switch video up and bottom limit. This function is disabled by default.
Mirror	It is to switch video left and right limit.
	This function is disabled by default.
	Some series product does not support this function.

## 4.1.2 Video

#### 4.1.2.1 Video bit stream

The video bit stream interface is shown as below. See Figure 4-2.

WEB SERVIC	Evao		_				·	
				Live	PTZ	Setup	Alarm	Logout
▼ Camera	Video	Snapshot	Overla	iy	Path			
<ul> <li>Conditions</li> <li>Video</li> <li>Audio</li> <li>Network</li> <li>Event</li> <li>Storage</li> <li>System</li> <li>Information</li> </ul>	Main Stream Code-Stream Type Encode Mode Resolution Frame rate(FPS) Bit Rate Type Reference Bit Rate Bit Rate I Frame Interval ✓ Watermark Settings Watermark Character	General H.264 1080P (1920*1080) 25 CBR 3584-8192kb/S 8192 50 DigitalCCTV Default	<ul> <li>✓</li> <li>✓</li> <li>✓</li> <li>✓</li> <li>(25~150)</li> </ul>	Encodu Resolu Frame Bit Rat Refere Bit Rat	Stream Type e Mode ttion rate(FPS) e Type nce Bit Rate e	General H.264 CIF (352*288) 6 CBR 48-256Kb/S 80 12	<ul> <li>✓</li> <li>✓</li> <li>✓</li> <li>✓</li> <li>(6~150)</li> </ul>	

Figure 4-2

Parame	ter	Function				
Main stream	Bit stream type	It includes general stream, motion stream and alarm stream. You can select different encode frame rates form different recorded events. System supports active control frame function (ACF). It allows you to record in different frame rates.				
		For example, you can use high frame rate to record important events, record scheduled event in lower frame rate and it allows you to set different frame rates for motion detection record and alarm record.				

Parame	ter	Function				
	Encode mode	<ul> <li>There are three options: H.264(main profile standard, H.264B(baseline standard) encode and MJPG encode.</li> <li>The H.264 and H.264B both are H264 bit stream. H.264 is the Main Profile encode and the H.264B is the Baseline Profile encode mode. H.264B is for Blackberry cell phone to realize the monitor.</li> <li>MJPEG: In this encode mode, the video needs to large bit stream to guarantee the video definition. You can use the max bit stream value in the recommend bit to get the better video output effect.</li> </ul>				
	Resolution	There are multiple resolutions. You can select from the dropdown list. For each resolution, the recommended bit stream value is different.				
	Frame Rate	PAL: $1 \sim 25 \text{f/s}$ , NTSC: $1 \sim 30 \text{f/s}$ The frame rate may vary due to different resolutions.				
	Bit Rate Type	There are two options: VBR and CBR. Please note, you can set video quality in VBR mode.				
	Recommended Bit	Recommended bit rate value according to the resolution and frame rate you have set.				
	Bit Rate	<ul> <li>In CBR, the bit rate here is the max value. In dynamic video, system needs to low frame rate or video quality to guarantee the value.</li> <li>The value is null in VBR mode.</li> <li>Please refer to recommend bit rate for the detailed information.</li> </ul>				
	I Frame	Here you can set the P frame amount between two I frames. The value ranges from 1 to 150. Default value is 50. Recommended value is frame rate *2.				
	Watermark	This function allows you to verify the video is tampered or not. Here you can select watermark bit stream, watermark mode and watermark character. Default character is WatchnetCCTV. The max length is 85-digit. The character can only include number, character and underline.				
Sub stream	Enable	Please check the box here to enable extra stream function. This function is enabled by default.				
	Bit stream type	General bit stream.				

Parame	ter	Function
	Encode mode	<ul> <li>There are three options: H.264(main profile standard, H.264B(baseline standard) encode and MJPG encode.</li> <li>The H.264 and H.264B both are H264 bit stream. H.264 is the Main Profile encode and the H.264B is the Baseline Profile encode mode. H.264B is for Blackberry cell phone to realize the monitor. You need to enable the sub stream function in your camera and set the resolution as CIF. Then you can monitor via the Blackberry cell phone.</li> <li>MJPEG: In this encode mode, the video needs to large bit stream to guarantee the video definition. You can use the max bit stream value in the recommend bit to get the better video output effect.</li> </ul>
	Resolution	There are multiple resolutions. You can select from the dropdown list. For each resolution, the recommended bit stream value is different.
	Frame Rate	PAL: 1~25f/s, NTSC: 1~30f/s
		The frame rate may vary due to different resolutions.
	Bit Rate Type	There are two options: VBR and CBR. Please note, you can set video quality in VBR mode.
	Recommended Bit	Recommended bit rate value according to the resolution and frame rate you have set.
	Bit Rate	<ul> <li>In CBR, the bit rate here is the max value. In dynamic video, system needs to low frame rate or video quality to guarantee the value.</li> <li>The value is null in VBR mode.</li> <li>Please refer to recommend bit rate for the detailed information.</li> </ul>
	I Frame	Here you can set the P frame amount between two I frames. The value ranges from 1 to 150. Default value is 50. Recommended value is frame rate *2.

## 4.1.2.2 Snapshot

The snapshot interface is shown as in Figure 4-3.

WatchNET								
Wallannen				Live	PTZ	Setup	Alarm	Logout
🛡 Camera	Video	Snapshot	Overlay		Path			
<ul> <li>Conditions</li> </ul>			_					
> Video	Snapshot Type	General	×					
≻ Audio	Image Size	1080P (1920*1080)						
▶ Network	Quality	5	×					
▶ Event	Interval	15	<b>~</b>					
⊳ Storage		Default	Refresh	Save				
▶ System								
▶ Information								

Figure 4-3

Parameter	Function
Snapshot type	There are two modes: general (schedule) and Event (activation).
Image size	It is the same with the resolution of the main stream.
Quality	It is to set the image quality. There are six levels.
Interval	It is to set snapshot frequency. The value ranges from 1s to 7s.

### 4.1.2.3 Video Overlay

The video overlay interface is shown as in Figure 4-4.



#### Figure 4-4

Please refer to the following sheet for detailed information.
---

Parameter	Function
Privacy mask	<ul> <li>Here you can privacy mask the specified video in the monitor video.</li> <li>System max supports 4 privacy mask zones.</li> </ul>
	• System max supports 4 privacy mask zones.
Time Title	<ul> <li>You can enable this function so that system overlays time information in video window.</li> </ul>
	<ul> <li>You can use the mouse to drag the time tile position.</li> </ul>
Channel Title	• You can enable this function so that system overlays channel information in video window.
	• You can use the mouse to drag the channel tile position.

#### 4.1.2.4 Path

The storage path interface is shown as in Figure 4-5.

Here you can set snap image saved path (Image in the preview interface) and the record storage path

( in the preview interface). The default setup is C:\PictureDownload.

Please click the Save button to save current setup.

WatchNET								
				Live	PTZ	Setup	Alarm	Logout
🔻 Camera	Video	Snapshot	Overlay		Path			
> Conditions								
> Video	Snapshot Path	C:\PictureDownload			Browse			
> Audio								
▶ Network	Record Path	C:\RecordDownload			Browse			
▶ Event		Default	Save					
⊳ Storage								
> System								
▶ Information								

Figure 4-5

### 4.1.3 Audio

Please note some series product does not support this function.

The audio interface is shown as below. See Figure 4-6.

WatchNET							
			Live	PTZ	Setup	Alarm	Logout
▼ Camera	Audio						
<ul> <li>Conditions</li> </ul>	Main Stream		Sub Stream				
> Video	Main Su eani		Sub Stream				
> Audio	🗹 Enable		Enable				
▶ Network	Encode Mode	G.711A	Encode Mode	G.711A	<ul> <li>Image: A start of the start of</li></ul>		
▶ Event							
▶ Storage		Default	0.000				
> System		Default Refresh	Save				
▶ Information							



Parameter	Function
Audio enable	Main stream: Recorded file only contains video by default. You need to check the audio box here to enable audio function.
	Sub (Extra) stream: Recorded file only contains video by default. You need to check the audio box here to enable audio function.
Encode mode	The encode mode of the main stream and extra stream include PCM, G.711A and G.711Mu.
	The setup here is for audio encode mode and the bidirectional talk encode both.

# 4.2 Network

### 4.2.1 TCP/IP

The TCP/IP interface is shown as in Figure 4-7.

WatchNET				Live	PTZ	Setup	Alarm	Logout
				LIVe	PTZ	Setup	Ararm	Logout
▶ Camera	TCP	/IP						
▼ Network								
> TCP/IP		Host Name	DVR					
<ul> <li>Connection</li> </ul>			Wire(DEFAULT)	Set as Default				
> PPPoE		Ethernet Card		Card				
> DDNS		Mode	💿 Static 🔿 DHCP					
> IP Filter		MAC Address	52 . 54 . 4c . d9 .	50 . b8				
> SMTP(E-mail)		IP Version	IPV4					
> UPnP		IP Address	10 . 15 . 5 . 84					
> SNMP		Subnet mask	255 255 0 0					
> Bonjour		Default Gateway	10 . 15 . 0 . 1					
> Multicast		Preferred DNS Server	8 . 8 . 8 . 8					
> WIFI		Alternate DNS Server	8.8.8.8					
> QoS		Alternate DINS Server	0.0.0.0					
▶ Event	<ul><li>✓</li></ul>	Enable ARP/Ping to set IP	address service					
▶ Storage			Default Refre	esh Sav	re			
System								
▶ Information								

Figure 4-7

Parameter	Function
Host Name	It is to set current host device name. It max supports 32-digit character.
Ethernet Card	Please select the Ethernet port. It is for the wire LAN by default.
	Please note for the -W series product, it has the wireless network card, and you can modify the default Ethernet port setup.
	Please note the device needs to reboot to activate the new setup once you modify the default setup.
Mode	There are two modes: static mode and the DHCP mode.
	<ul> <li>The IP/submask/gateway are null when you select the DHCP mode to auto search the IP.</li> </ul>
	<ul> <li>If you select the static mode, you need to set the IP/submask/gateway manually.</li> </ul>
	<ul> <li>If you select the DHCP mode, you can view the IP/submask/gateway from the DHCP.</li> </ul>
	<ul> <li>If you switch from the DHCP mode to the static mode, you need to reset the IP parameters.</li> </ul>
	<ul> <li>Besides, IP/submask/gateway and DHCP are read-only when the PPPoE dial is OK.</li> </ul>
Mac Address	It is to display hose Mac address.

IP Version	It is to select IP version. IPV4 or IPV6.				
	You can access the IP address of these two version.				
IP Address	Please use the keyboard to input the corresponding number to modify the IP address and then set the corresponding subnet mask and the default gateway.				
Preferred DNS	DNS IP address.				
Alternate DNS	Alternate DNS IP address.				
Enable ARP/Ping set	You can use ARP/Ping command to modify or set the device IP address if you know the device MAC address.				
device IP address service.	Before the operation, please make sure the MPIX and the PC in the same LAN. This function is on by default.				
	You can refer to the steps listed below.				
	<b>Step 1</b> : Get an IP address. Set the MPIX and the PC in the same LAN.				
	Step 2: Get the physical address from the label of the MPIX.				
	<b>Step 3</b> : Go to the Run interface and then input the following commands.				
	arp -s <ip address=""> <mac> ping -l 480 -t <ip address=""> Such as: arp -s 192.168.0.125 11-40-8c-18-10-11 ping -l 480 -t 192.168.0.125</ip></mac></ip>				
	Step 4: Reboot the device.				
	<b>Step 5</b> : You can see the setup is OK if you can see there are output information such as "Reply from 192.168.0.125" from the command output lines. Now you can close the command line.				
	<b>Step 6</b> : Open the browse and then input http:// <ip addres="">. Click the Enter button, you can access now.</ip>				

## 4.2.2 Connection

The connection interface is shown as in Figure 4-8.

WatchNET							
			Live	PTZ	Setup	Alarm	Logout
▶ Camera	Connection						
Network							
> TCP/IP	Max Connection	10 (1~2					
> Connection	TCP Port	4000 (102	5~65535)				
> PPPoE	UDP Port	4001 (102	5~65535)				
> DDNS	HTTP Port	80					
> IP Filter	RTSP Port	554					
> SMTP(E-mail)		Default Refresh	Save				
> UPnP							
> SNMP							
> Bonjour							
> Multicast							
> WIFI							
> QoS							
▶ Event							
⊳ Storage							
⊳ System							
▶ Information							

Figure 4-8

Parameter	Function
Max connection	It is the max Web connection for the same device. The value ranges from 1 to 20. The max connection amount is 20.
TCP port	The default value is 4000. You can input the actual port number if necessary.
UDP port	The default value is 4001. You can input the actual port number if necessary.
HTTP port	The default value is 80. You can input the actual port number if necessary.

RTSP port	The default value is 554. Rtsp streay query format is:
	Main stream: rtsp://username:password@ip:port/cam/realmonitor?channel=1&subtype=0
	Sub stream: rtsp://username:password@ip:port/cam/realmonitor?channel=1&subtype=1
	You need to input the following four items manually.
	Username/password/IP and port.
	The IP is device IP and the port default value is 554. You can leave it in blank if it is the default value.
	You do not need to input the user name and password if you do not need to the verification. Such as:
	rtsp://ip:port/cam/realmonitor?channel=1&subtype=0

#### 4.2.3 **PPPoE**

The PPPoE interface is shown as in Figure 4-9.

Input the PPPoE user name and password you get from the IPS (internet service provider) and enable PPPoE function. Please save current setup and then reboot the device to get the setup activated.

Device connects to the internet via PPPoE after reboot. You can get the IP address in the WAN from the IP address column.

Please note, you need to go to the IP address item to via the device current device information. You can access the client-end via this address.

WatchNET							
Viewenning			Live	PTZ	Setup	Alarm	Logout
▶ Camera	PPPoE						
> TCP/IP	🗌 Enable						
> Connection	Username						
> PPPoE	Password						
> DDNS		Default Refresh	Save				
> IP Filter		Deladit	Ouve				
> SMTP(E-mail)							
> UPnP							
> SNMP							
> Bonjour							
> Multicast							
> WIFI							
> QoS							
🖻 Event							
▶ Storage							
> System							
► Information							

Figure 4-9

### 4.2.4 DDNS

The DDNS interface is shown as in Figure 4-10.

The DDNS is to set to connect the various servers so that you can access the system via the server. Please go to the corresponding service website to apply a domain name and then access the system via the domain. It works even your IP address has changes.

Watch <i>NET</i>	Р. — — — — — — — — — — — — — — — — — — —		Live	PTZ	Setup	Alarm	Logout
			Live	P12	Setup	Ararm	Logout
⊳ Camera	DDNS						
Network							
> TCP/IP	Server Type	CN99 DDNS					
> Connection	Server IP	none					
> PPPoE	Port	80 (1~65535	)				
> DDNS	Domain Name	none					
> IP Filter	Username	none					
> SMTP(E-mail)	Password	••••					
> UPnP	Update Period	5 Minute(1~	·500)				
> SNMP		Default Default	0				
> Bonjour		Default Refresh	Save				
> Multicast							
> WIFI							
> QoS							
▶ Event							
⊳ Storage							
System							
▶ Information							

Figure 4-10

Parameter	Function
Server Type	You can select DDNS protocol from the dropdown list and then enable DDNS function. The private DDNS protocol means you use your self-defined private protocol to realize DDNS function.
Server IP	DDNS server IP address
Server Port	DDNS server port.
Domain Name	Your self-defined domain name.
User	The user name you input to log in the server.
Password	The password you input to log in the server.
Update period	<ul> <li>Device sends out a live signal to the server regularly.</li> <li>You can set interval value between the device and DDNS server here.</li> </ul>

The IP filter interface is shown as in Figure 4-11.

You can enable IP filter function so that some specified IP user can access the MPIX.

You can add IP address or IP address section.

If you do not check the box here, it means there is on access limit.

WatchNET								Ê
			Live	PTZ	Setup	Alarm	Logout	
▶ Camera	IP Filter							
▼ Network	Trusted Sites							
> TCP/IP	Trusted Sites							
<ul> <li>Connection</li> </ul>		IP address		Modify		Delete		
> PPPoE							<u></u>	
> DDNS								
> IP Filter								=
> SMTP(E-mail)								
≻ UPnP								
> SNMP								
> Bonjour							<u> </u>	
≻ Multicast	Add IP						Remove All	
> WIFI						_		
> QoS	Default	Refresh Save						
▶ Event								
▶ Storage								
▶ System								
▶ Information								

Figure 4-11

### 4.2.6 SMTP (e-mail)

The SMTP interface is shown as in Figure 4-12.

WatchNET				Live	PTZ	Setup	Alarm	Logout
				LIVe	PIZ	Setup	Alarm	Logout
▶ Camera	SMTP(E	-mail)						
Network		SMTP Server	none					
> TCP/IP		Port	25					
<ul> <li>Connection</li> </ul>	_		23					
> PPPoE		Anonymity						
> DDNS		Username	anonymity					
> IP Filter		Password	••••					
> SMTP(E-mail)		Sender	none					
> UPnP		Authentication	None					
> SNMP		Title	IPC Message 🔽 Attac	hment				
> Bonjour		Mail Receiver						
> Multicast								
> WIFI								
> QoS		late a set	0					
▶ Event		Interval	0 Second(0~3600)					
▶ Storage		Health Mail	Update Period 60 Minute (1~36	i00)				
System			Email Test					
▶ Information			Default Refresh	Save				
			Delaun	Jave				

Figure 4-12

Parameter	Function
SMTP Server	Input server address and then enable this function.
Port	Default value is 25. You can modify it if necessary.
Anonymity	For the server supports the anonymity function. You can auto login anonymously. You do not need to input the user name. password and the sender information.
User Name	The user name of the sender email account.
Password	The password of sender email account.
Sender	Sender email address.
Authentication (Encryption mode)	You can select SSL or none.
Title (Subject)	Input email subject here.
Attachment	System can send out the email of the snapshot picture once you check the box here.
Mail receiver	Input receiver email address here. Max three addresses.

Parameter	Function
Interval	The send interval ranges from 0 to 3600 seconds. 0 means there is no interval. Please note system will not send out the email immediately when the alarm occurs. When the alarm, motion detection or the abnormity event activates the email, system sends out the email according to the interval you specified here. This function is very useful when there are too many emails activated by the abnormity events, which may result in heavy load for the email server.
Health mail enable	Please check the box here to enable this function.
Update period (interval)	This function allows the system to send out the test email to check the connection is OK or not. Please check the box to enable this function and then set the corresponding interval. System can send out the email regularly as you set here.
Email test	The system will automatically sent out a email once to test the connection is OK or not .Before the email test, please save the email setup information.

### 4.2.7 UPnP

It allows you to establish the mapping relationship between the LAN and the public network.

Here you can also add, modify or remove UPnP item. See Figure 4-13.

In the Windows OS, From Start->Control Panel->Add or remove programs. Click the "Add/Remove Windows Components" and then select the "Network Services" from the Windows Components Wizard. Click the Details button and then check the "Internet Gateway Device Discovery and Control client" and "UPnP User Interface". Please click OK to begin installation.

Enable UPnP from the Web. If your UPnP is enabled in the Windows OS, the MPIX can auto detect it via the "My Network Places"

WatchNET							
000000000000000000000000000000000000000			Live	PTZ	Setup	Alarm	ogout
► Camera	UPnP						
▼ Network	Enable	Status : Mapping Failed					
> TCP/IP	Port Mapping L	ist					
Connection		Service Name	Protocol	Internal Port	External Port	Delete	
> PPPoE		HTTP	TCP	80	8080	•	<u>^</u>
> DDNS		TCP	TCP	37777	37777	•	
> IP Filter		UDP	UDP	37778	37778	•	
> SMTP(E-mail)		RTSP	TCP	554	554	•	
> UPnP							
> SNMP							
> Bonjour							✓
> Multicast	Add Mapping	Refresh Save					
> WIFI							
> QoS							
▶ Event							
⊳ Storage							
▶ System							
▶ Information							

Figure 4-13

#### 4.2.8 SNMP

The SNMP interface is shown as in Figure 4-14.

The SNMP allows the communication between the network management work station software and the proxy of the managed device. Please install the software such as MG MibBrowser 8.0c software or establish the SNMP service before you use this function. You need to reboot the device to activate the new setup.

WatchNET		Live	PTZ	Setup	Alarm	Logout
Camera Network > TCP/IP > Connection > PPPoE > DDNS > IP Filter > SMTP(E-mail) > UPnP > SNMP > Bonjour > Multicast	Read Community public Write Community private Trap Address	5535) 5535) Save	PTZ	Setup	Alarm	Logout
> WIFI > QoS > Event > Storage > System > Information						

Figure 4-14

Parameter	Function
SNMP V1	System only processes the information of V1.
SNMP V2	System only processes the information of V2.
SNMP Port	The listening port of the proxy program of the device. It is a UDP port not a TCP port. The value ranges from 1 to 65535. The default value is 161
Read Community	It is a string. It is a command between the manage process and the proxy process. It defined the authentication, access control and the management relationship between one proxy and one group of the managers. Please make sure the device and the proxy are the same. The read community will read all the objects the SNMP supported in the specified name. The default setup is public.
Write Community	It is a string. It is a command between the manage process and the proxy process. It defined the authentication, access control and the management relationship between one proxy and one group of the managers. Please make sure the device and the proxy are the same. The read community will read/write/access all the objects the SNMP supported in the specified name. The default setup is write.
Trap address	The destination address of the Trap information from the proxy program of the device.

Parameter	Function
Trap port	The destination port of the Trap information from the proxy program of the device. It is for the gateway device and the client-end PC in the LAN to exchange the information. It is a non-protocol connection port. It has no effect on the network applications. It is a UDP port not TCP port. The value ranges from 1 to 165535. The default value is 162.

### 4.2.9 Bonjour

The Bonjour interface is shown as below. See Figure 4-15.

Bonjour is based on the multicast DNS service from the Apple. The Bonjour device can automatically broadcast its service information and listen to the service information from other device.

You can use the browse of the Bonjour service in the same LAN to search the MPIX device and then access if you do not know the MPIX information such as IP address.

You can view the server name when the MPIX is detected by the Bonjour. Please note the safari browse support this function. Click the "Display All Bookmarks: and open the Bonjour, system can auto detect the MPIX of the Bonjour function in the LAN.

WatchNET			Live	РТZ	Setup	Alarm	Logout
0	Bonjour						
▶ Camera ▼ Network	Bonjour						
> TCP/IP	🗹 Enable						
> Connection	Server Nar	IPC-HF3300-TZC1CW15200022					
> PPPoE		Default Refresh	Save				
> DDNS		Doldan	ouve				
> IP Filter							
> SMTP(E-mail)							
> UPnP							
> SNMP							
> Bonjour							
> Multicast							
> WIFI							
> QoS							
Event							
≥ Storage ≥ System							
▶ Information							

Figure 4-15

### 4.2.10 Multicast

The multicast interface is shown as in Figure 4-16.

Multicast is a transmission mode of data packet. When there is multiple-host to receive the same data packet, multiple-cast is the best option to reduce the broad width and the CPU load. The source host

can just send out one data to transit. This function also depends on the relationship of the group member and group of the outer.

Here you can set multicast address and port. You also need to go to Live interface to set the protocol as Multicast.

WatchNET							)
			Live	PTZ	Setup	Alarm	Logout
▶ Camera	Multicast						_
▼ Network							
> TCP/IP	Multicast Address	239 . 255 . 42 . 42 Port	36666 (1025~65535)				
<ul> <li>Connection</li> </ul>		Refresh Save					
> PPPoE			I				
> DDNS							
> IP Filter							
> SMTP(E-mail)							
> UPnP							
> SNMP							
> Bonjour							
> Multicast							
> WIFI							
> QoS							
Event							
▶ Storage							
System							
mormation							

Figure 4-16

#### 4.2.11 WIFI

#### Please note this function is for the device of WIFI module.

The WIFI interface is shown as in Figure 4-17.

Weitch <i>NET</i>			Live	PTZ Setup	Alarm Logout
Camera Network TCP/IP	WIFI V ON ID_list				Search SSID
<ul> <li>Connection</li> <li>PPPoE</li> <li>DDNS</li> <li>IP Filter</li> <li>SMTP(E-mail)</li> <li>UPnP</li> <li>SNMP</li> <li>Bonjour</li> </ul>		SSID	Connect mode	Encryption Mode	Signal Quality
> Multicast > WIFI > QOS Event > Storage > System > Information	WIFLINFO Current Hot Spot IP address Subnetmask Default IP Gateway Refresh				
	IVEIIESII				

Figure 4-17

Please check the box to enable WIFI function and then click the Search SSID button. Now you can view all the wireless network information in the following list. Double click a name to connect to it. See Figure 4-18.

WatchNET				Live	PTZ	Setup	Alarm	Logout
Camera Network > TCP/IP > Connection > PPPoE	WIFI	SSID huaguest	Connect To huaguest			cryption Mode PA-PSK-TKIP	Signal Qu all	Search SSID
<ul> <li>DDNS</li> <li>IP Filter</li> <li>SMTP(E-mail)</li> <li>UPnP</li> <li>SNMP</li> <li>Bonjour</li> </ul>	<u> </u>	huavip TP-LINK_3D791	Quality	59 % WPA-PSK-TKIP Connecting	Cancel	NONE		-
<ul> <li>&gt; Multicast</li> <li>&gt; WIFI</li> <li>&gt; QoS</li> <li>Event</li> <li>Storage</li> <li>System</li> <li>Information</li> </ul>	WIFLINFO Current any C Hot Spot any C IP address Subnetmask Default IP Gateway	onnecting						
	Refresh							

Figure 4-18

#### 4.2.12 Qos

The QoS interface is shown as below. See Figure 4-19.

Qos (Quality of Service) is network security mechanism. It is a technology to fix the network delay and jam problem and etc. For the network service, the quality of service includes the transmission bandwidth, delay, the packet loss and etc. We can guarantee the transmission bandwidth, lower the delay, reduce the loss of the data packet and anti-dither to enhance the quality.

We can set the DSCP (Differentiated Services Code Point) of the IP to distinguish the data packet so that the router or the hub can provide different services for various data packets. It can select the different queues according to the priority of the packets and select the bandwidth of the each queue. It can also discard at the different ratio when the broad bandwidth is jam.

WatchNET								
				Live	PTZ	Setup	Alarm	Logout
⊳ Camera ▼ Network	QoS							
> TCP/IP	Realtime Monitor	0	(0~63)					
<ul> <li>Connection</li> </ul>	Command	0	(0~63)					
> PPPoE		Default	Refresh	Save				
> DDNS								
> IP Filter								
> SMTP(E-mail)								
> UPnP								
> SNMP								
> Bonjour								
> Multicast								
> WIFI								
> QoS								
▶ Event								
▶ Storage								
▶ System								
▶ Information								

Figure 4-19

Parameter	Function
Real-time monitor	The value ranges from 0 to 63. The router or the switcher can provide different service for various data packets.
Command	The value ranges from 0 to 63. The router or the switcher can provide different service for various data packets.

# 4.3 Event

## 4.3.1 Video detect

4.3.1.1 Motion Detect

The motion detect interface is shown as in Figure 4-20.

WatchNET				Live	PTZ	Setup	Alarm	Logout
▶ Camera	Motio	n Detect	Video Masking	LIVE	112	octup	Plain	Logoat
Network	Motio	Detect	VILLED MIDSKIIIG					
✓ Event		Enable						
Video Detect		Working Period	Setup					
> Alarm		Anti-Dither		sitivity 3 💌				
> Abnormity		Area	Setup					
▶ Storage	_							
▶ System		Record Channel						
▶ Information		Record Delay	10 Second ( 10~300 )					
		Relay-out						
		Alarm Delay	10 Second ( 10~300 )					
		Send E-Mail						
		PTZ	Activation None 💌 Address 0					
		Snapshot						
			Default Refresh	Save				

Figure 4-20

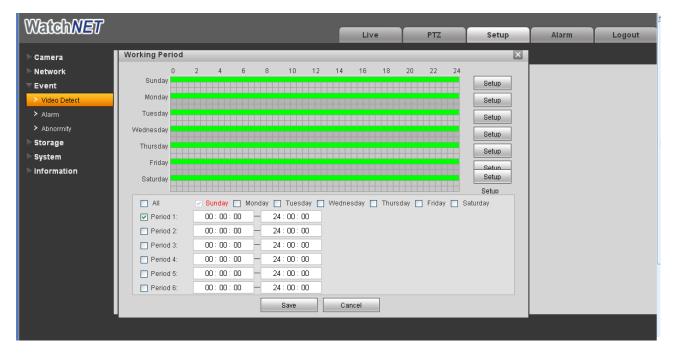
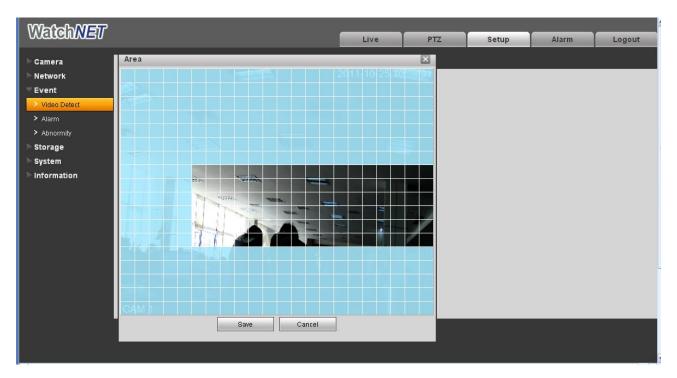


Figure 4-21





Parameter	Function
Enable	You need to check the box to enable motion detection function.
Sensitivity	There are six levels. The sixth level has the highest sensitivity.
Region	<ul> <li>There are six levels. The sixth level has the highest sensitivity.</li> <li>Region: If you select motion detection type, you can click this button to set motion detection zone. The interface is shown as in Figure 4-22. There are PAL 22X18/NTSC 22X15 zones. Right click mouse you can go to full-screen display mode. Do remember clicking OK button to save your motion detection zone setup.</li> </ul>
Working Period	• Motion detection function becomes activated in the specified periods. See Figure 4-21.
	<ul> <li>There are six periods in one day. Please draw a circle to enable corresponding period.</li> </ul>
	• Select date. If you do not select, current setup applies to today only. You can select all week column to apply to the whole week.
	<ul> <li>Click OK button, system goes back to motion detection interface, please click save button to exit.</li> </ul>

Parameter	Function
Anti-dither	System only memorizes one event during the anti-dither period. The value ranges from 0s to 100s.
Relay out	Enable alarm activation function. You need to select alarm output port so that system can activate corresponding alarm device when alarm occurs.
	Some series product does not support this function.
Alarm Delay	System can delay the alarm output for specified time after alarm ended. The value ranges from 10s to 300s. <b>Some series product does not support this function.</b>
Record channel	System auto activates motion detection channel to record once alarm occurs (working with motion detection function). Please note you need to go to Storage-> Schedule to set current channel as general record.
Record Delay	System can delay the record for specified time after alarm ended. The value ranges from 10s to 300s.
Send Email	If you enabled this function, System can send out email to alert you when alarm occurs and ends.
PTZ	<ul> <li>Here you can set PTZ movement when alarm occurs. Such as go to preset x when there is an alarm.</li> </ul>
	<ul> <li>The event type includes: preset, tour and pattern.</li> </ul>
	Some series product does not support this function.
Snapshot	You need to check the box here so that system can backup motion detection snapshot file.

## 4.3.1.2 Video Masking

The video masking interface is shown as in Figure 4-23.

	•							
WatchNET								
				Live	PTZ	Setup	Alarm	Logout
⊳ Camera	Moti	on Detect	Video Masking					
▶ Network								
⊽Event		Enable						
Video Detect		Working Period	Setup					
> Alarm		Anti-Dither	1 Second ( 0~100 )					
> Abnormity		Record Channel						
▶ Storage			10 Second ( 10~300 )					
▶ System		Record Delay	10 Second ( 10~300 )					
▶ Information		Relay-out						
		Alarm Delay	10 Second ( 10~300 )					
		Send E-Mail						
		PTZ	Activation None 💽 Address 🛛					
		Snapshot						
			Default Refresh	Save				

Figure 4-23

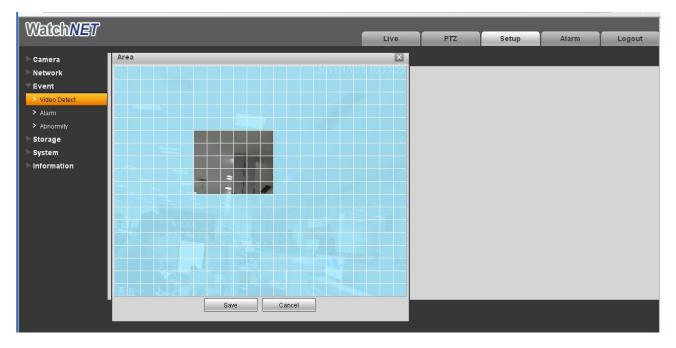


Figure 4-24

Parameter	Function
Enable	You need to check the box to enable this function.

Parameter	Function
Sensitivity	There are six levels. The sixth level has the highest sensitivity.
Area	<ul> <li>There are six levels. The sixth level has the highest sensitivity.</li> <li>Region: you can click this button to set Video masking zone. The interface is shown as in Figure 4-24. There are PAL 22X18/NTSC 22X15 zones. Right click mouse you can go to full-screen display mode. Do remember clicking OK button to save your Video masking zone setup.</li> </ul>
Working Period	<ul> <li>Video masking function becomes activated in the specified periods.</li> <li>There are six periods in one day. Please draw a circle to enable corresponding period.</li> <li>Select date. If you do not select, current setup applies to today only. You can select all week column to apply to the whole week.</li> <li>Click OK button, system goes back to motion detection interface, please click save button to exit.</li> </ul>
Anti-dither	System only memorizes one event during the anti-dither period. The value ranges from 0s to 100s.
Relay out	Enable alarm activation function. You need to select alarm output port so that system can activate corresponding alarm device when alarm occurs.
	Some series product does not support this function.
Alarm Delay	System can delay the alarm output for specified time after alarm ended. The value ranges from 10s to 300s. Some series product does not support this function.
Record channel	System auto activates motion detection channel to record once alarm occurs (working with motion detection function). Please note you need to go to Storage-> Schedule to set current channel as general record.
Record Delay	System can delay the record for specified time after alarm ended. The value ranges from 10s to 300s.
Email	If you enabled this function, System can send out email to alert you when alarm occurs.
PTZ	<ul> <li>Here you can set PTZ movement when alarm occurs. Such as go to preset x when there is an alarm.</li> <li>The event type includes: preset, tour and pattern.</li> <li>Some series product does not support this function.</li> </ul>
Capture	You need to input capture channel number so that system can backup motion detection snapshot file.

## 4.3.2 Alarm

#### Please note some series product does not support this function.

#### 4.3.2.1 Alarm activation

The alarm activation interface is shown as in Figure 4-25.

Watch <i>NET</i>			Live	РТZ	Setup	Alarm	Logout
► Camera	Relay Activatio	n Relay-out					
▶ Network ▼ Event	Enable	Alarm1					
<ul> <li>Video Detect</li> <li>Alarm</li> </ul>	Relay-in Working F	Period Setup					
<ul> <li>Abnormity</li> <li>Storage</li> </ul>	Anti-Dithe		sor Type NO 💌				
> System	Record D	elay 10 Second ( 10~300 )					
	Alarm Del						
	Send E-M	lail Activation None Address	0				
	Snapshot						
		Default Refresh	Save				

Figure 4-25

Parameter	Function
Enable	You need to check the box to enable this function.
Working	<ul> <li>This function becomes activated in the specified periods.</li> </ul>
Period	• There are six periods in one day. Please draw a circle to enable corresponding period.
	<ul> <li>Select date. If you do not select, current setup applies to today only. You can select all week column to apply to the whole week.</li> </ul>
	<ul> <li>Click OK button, system goes back to motion detection interface, please click save button to exit.</li> </ul>
Anti-dither	System only memorizes one event during the anti-dither period. The value ranges from 0s to 100s.
Sensor type	There are two options: NO/NC.

Parameter	Function
Relay out	There is 1-channel alarm output.
	<ul> <li>Corresponding to motion detection alarm output port.</li> </ul>
	<ul> <li>Enable alarm activation function. You need to select alarm output port so that system can activate corresponding alarm device when alarm occurs.</li> </ul>
Alarm Delay	System can delay the alarm output for specified time after alarm ended. The value ranges from 10s to 300s.
Record Channel	System auto activates motion detection channel to record once alarm occurs (working with motion detection function). Please note you need to go to Storage-> Schedule to set current channel as general record.
Record Delay	System can delay the record for specified time after alarm ended. The value ranges from 10s to 300s.
Send Email	If you enabled this function, System can send out email to alert you when alarm occurs and ends.
PTZ	• Here you can set PTZ movement when alarm occurs. Such as go to preset x when there is an alarm.
	<ul> <li>The event type includes: preset, tour and pattern.</li> </ul>
Snapshot	You need to input capture channel number so that system can backup motion detection snapshot file.

## 4.3.2.2 Relay output

The relay output interface is shown as in Figure 4-26.





Parameter	Function
Alarm output	There is only one output channel. Please click the button 1. If you want to enable the alarm activation output function, please press the corresponding button and then trigger.
Refresh	Search alarm output status.

#### 4.3.3 Abnormity

It includes five statuses: No SD card, capacity warning, SD card error, and disconnection and IP conflict. There are two interfaces for you reference. See Figure 4-27 through Figure 4-31.

WatchNET		
	Live PTZ Setup Alarm Logo	ut
⊳ Camera	No SD Card Capacity Warning SD Card Error Disconnection IP Conflict	
▶ Network	Enable	
⊤Event		
Video Detect	Relay-out	
≻ Alarm	Relay-out Delay 10 Second (10~300)	
Abnormity	Send E-Mail	
▶ Storage		
System	Default Refresh Save	
▶ Information		



WatchNET								
				Live	PTZ	Setup	Alarm	Logout
⊳ Camera	No SD Card	Capacity Warning	SD Card Error	Disconnection	IP Conflict			
▶ Network	_							
⊤ Event	Enable							
Video Detect	Capacity Lin	nit 10 %(0~99)						
> Alarm	🗹 Relay-out							
> Abnormity	Relay-out De	elay 10 Second	( <sub>10~300</sub> )					
▶ Storage	🗌 🛛 Send E-Mail							
⊳ System								
▶ Information		Default	Refresh Sa	ave				
•								

Figure 4-28

Watch <i>NET</i>								
WELLEINEN				Live	PTZ	Setup	Alarm	Logout
► Camera	No SD Card C	apacity Warning	SD Card Error	Disconnection	IP Conflict			
▶ Network	Enable							
▼ Event								
> Video Detect	Relay-out							
≻ Alarm	Relay-out Delay	10 Second ( 10	)~300)					
> Abnormity	Send E-Mail							
▶ Storage	ſ							
▶ System	l	Default	Refresh Sa	ave				
▶ Information								

Figure 4-29

WatchNET									
Vuedeeluuueu					Live	PTZ	Setup	Alarm	Logout
▶ Camera	No	SD Card	Capacity Warning	SD Card Error	Disconnection	n IP C	Conflict		
▶ Network	_					_			
⊤Event		Enable							
> Video Detect		Record							
> Alarm		Record Delay	10 Second	( <sub>10~300</sub> )					
> Abnormity		Relay-out							
▶ Storage		Relay-out Dela	y 10 Second	( <sub>10~300</sub> )					
▶ System									
▶ Information			Default	Refresh	Bave				

Figure 4-30

Watch <i>NET</i>					Live	PTZ	Setup	Alarm	Logout
⊳ Camera	No S	SD Card	Capacity Warning	SD Card Error	Disconnection	IP Conflict			
Network Event		Enable							
> Video Detect	✓	Record	40	(10~300 <b>)</b>					
Alarm     Abnormity		Record Delay Relay-out	10 Second	10~3007					
> Storage		Relay-out Delay	/ 10 Second	(10~300 <b>)</b>					
System Information			Default	Refresh Sa	ve				

Figure 4-31

Parameter	Function
Event Type	• The abnormal events include: no disk, no space, disk error, net error, offline, IP conflict.
	<ul> <li>Threshold: You can set the minimum percentage value here. The device can alarm when capacity is not sufficient.</li> </ul>
	<ul> <li>You need to draw a circle to enable this function.</li> </ul>
Record	System auto activates channel to record once alarm occurs (For offline type only. See Figure 4-31.).
	You need to check the box to enable this function.
Record Delay	System can delay the record for specified time after alarm ended. The value ranges from 10s to 300s.
Relay Out	The corresponding alarm output channel when alarm occurs. You need to check the box to enable this function.
	Some series product does not support this function.
Relay out Delay	The alarm output can delay for the specified time after alarm stops. The value ranges from 10s to 300s.
	Some series product does not support this function.
Send email	If you enable this function, system can send out email to alarm the specified user.
	This function is invalid when network is offline or IP conflict occurs.

# 4.4 Storage

## 4.4.1 Record schedule and snapshot schedule

In these two interfaces, you can add or remove the schedule record/snapshot setup. See Figure 4-32. There are three record modes: general (auto), motion detect and alarm. There are six periods in one day. Please make sure you have enabled the corresponding record mode in the Setup->Storage->Conditions.

You can view the current time period setup from the color bar.

- Green color stands for the general record/snapshot.
- Yellow color stands for the motion detect record/snapshot..
- Red color stands for the alarm record/snapshot.

WatchNET	<b>)</b>				Live		PTZ	Setup	Alarm	Logout
Camera	Record Schedule	Snapshot Sched	ule							
▶ Network										
▶ Event	0	2 4 6	8 10	12 14 16	18 20	22 24		_		
⊤ Storage	Sunday						Setup			
> Schedule	Monday						Setup			
Destination	Tuesday						Setup	1		
<ul> <li>Conditions</li> </ul>	Wednesday						Setup	1		
> System	Thursday						Setup	7		
Information	Friday							-		
							Setup			
	Saturday						Setup			
				_						
		Default	Refresh	Save						

Figure 4-32

#### 4.4.2 Destination

The destination interface is shown as in Figure 4-33.

It is to set the storage mode of the MPIX record file or snapshot pictures. There are three options: local/FTP/network. You can only select one mode. System can save according to the event types. It is corresponding to the three modes (general/motion/alarm)in the Schedule interface. Please check the box to enable the save functions.

WatchNET					Live PTZ	Setup	Alarm	Logou
Camera	Path	Local	FTP		Network			
Network								
▶ Event	Record				Snapshot			
🛡 Storage	Event Type	Timer	Motion Detect	Alarm	Event Type	Timer	Motion Detect	Alarm
> Schedule	Local				Local			
Destination	FTP				FTP			
<ul> <li>Conditions</li> </ul>	Network				Network			
<ul> <li>System</li> <li>Information</li> </ul>	Save	Cancel						

Figure 4-33

Parameter	Function
Event Type	It includes: general, motion detect and alarm.
Local	It saved in the SD card.

Parameter	Function
FTP	It saved in the FTP server.
Network	It can save according to the corresponding network protocol.

The local interface is shown as in Figure 4-34. Here you can view local SD card or disk information. You can also operate the read-only, write-only, hot swap and format operation.

WatchNET				Live PTZ	Setup Alarm	Logout
⊳ Camera ⊳ Network	Path	Local	FTP N	etwork		
▶ Event	Dev	ice Name	Status	Attribute	Free Capacity/Total Capacity	
▼ Storage		Disk1	Normal	Read & Write	0.8G/1.8G	
> Schedule						
Destination						
Conditions						
▶ System						
▶ Information						
						<u>~</u>
	Read Only	Read & Write Hot Sv	vap			Format
		[				

Figure 4-34

The FTP interface is shown as in Figure 4-35. You need to check the box to enable the FTP function. When network disconnect occurred or there is malfunction. Emergency storage can save the record/snapshot picture to the local SD card.

WatchNET								
				Live	PTZ	Setup	Alarm	Logout
▶ Camera	Path	Local	FTP	Network				
▶ Network	_	_						
▶ Event	Enable							
⊤ Storage	Server IP							
> Schedule	Port	21	(0~65535)					
Destination	User Name	anonymity						
Conditions	Password							
▶ System	Remote Path	share						
▶ Information	Emergency (Local)							
		Default	Refresh	Save				
								l

Figure 4-35

The network interface is shown as in Figure 4-36. You need to check the box to enable the network. Please select the mode from the dropdown list. It includes: NFS, ISCSI and etc. You can select according to your actual requirements.

WatchNET								
			Live	PTZ	Setup	Alarm	Logout	
⊳ Camera	Path	Local	FTP	Network				
▶ Network			-					
▶ Event	Enable							
🔻 Storage	Protocol	NFS	<b>~</b>					
> Schedule	Server IP							
Destination	Port	21	(0~65535)					
Conditions	User Name							
⊳ System	Password							
▶ Information	Remote Path		_					
		Default	Refresh Save	2				

Figure 4-36

## 4.4.3 Record control

The record control interface is shown as in Figure 4-37.

WatchNET							
wanannen			Live	PTZ	Setup	Alarm	Logout
▶ Camera	Conditions						
▶ Network	Pack Duration	8 Minute (1~120)					
▶ Event	Pre-event Record	1 Second (0~30)					
🔻 Storage	Disk Full	Overwrite					
> Schedule	Record Mode	Automatic      Manual      Off					
> Destination	Necola Mode						
Conditions		Default Refresh	Save				
⊳ System							
▶ Information							

Figure 4-37

Parameter	Function
Pack Duration	Here you can select file size. Default setup is 8 minutes.
Pre-record	Please input pre-record value here.
	For example, system can record the four seconds video in the buffer. The record begins from the fifth second.

Disk Full	<ul> <li>There are two options: stop recording or overwrite the previous files when HDD is full.</li> <li>Stop: Current working HDD is overwriting or current HDD is full, it will stop record.</li> <li>Overwrite: Current working HDD is full; it will overwrite the previous file.</li> </ul>
Record mode	There are three modes: Auto/manual/close.

# 4.5 System

## 4.5.1 General

The general interface includes the local host setup and the date/time setup.

#### 4.5.1.1 Local host

The local host interface is shown as in Figure 4-38.

WatchNET								
000000000000000000000000000000000000000				Live	PTZ	Setup	Alarm	Logout
⊳ Camera	General	Date&Time						
▶ Network								
▶ Event	Device Name	TZC1CW15200022						
⊳ Storage	Language	English	×					
⊤ System	Video Standard	PAL	×					
> General		Default	Refresh	Save				
> Account								
> PTZ								
> Default								
> Import/Export								
≻ Auto Maintain								
≻ Upgrade								
▶ Information								



Please refer to the following sheet for detailed information.

Parameter	Function
Device No	It is to set device name.
Video Standard	This is to display video standard such as PAL.
Language	You can select the language from the dropdown list. Please note the device needs to reboot to get the modification activated.

#### 4.5.1.2 Date and time

The date and time interface is shown as in Figure 4-39

Watch <i>NET</i>				Live	PTZ	Setup	Alarm	Logout
Camera Network Event Storage System Ceneral Account PTZ Default Import/Export Sudo Maintain	Tir Tir Cu DS Sta	3T Enable 3T Type art Time	Year-Month-Day 24-Hour-based System GMT+08:00 2011 - 10 - 25 Date • Week Jan 1st	<u></u>	PTZ	Setup	Alarm	Logout
<ul> <li>&gt; Upgrade</li> <li>&gt; Information</li> </ul>	NT	nchronize with NTP 'P Server rt idate Period	clock.isc.org 37 10 Minute <sup>(</sup> 0 Default	i~30) Refresh Save				

# Figure 4-39

Parameter	Function
Date format	Here you can select date format from the dropdown list.
Time Format	There are two options: 24-H and 12-H.
Time zone	The time zone of the device.
System time	It is to set system time. It becomes valid after you set.
Sync PC	You can click this button to save the system time as your PC current time.
DST	Here you can set day night save time begin time and end time. You can set according to the date format or according to the week format.
NTP	You can check the box to enable NTP function.
NTP server	You can set the time server address.
Port	It is to set the time server port.
Update period	It is to set the sync periods between the device and the time server.

#### 4.5.2 Account

Note:

- For the character in the following user name or the user group name, system max supports 6-digits. The space in the front or at the end of the string is null. The valid string includes: character, number, and underline.
- The user amount is 20 and the group amount is 8 when the device is shipped out of the factory. The factory default setup includes two levels: user and admin. You can set the corresponding group and then set the rights for the respective user in the specified groups.
- User management adopts group/user modes. The user name and the group name shall be unique. One user shall be included in only one group.

#### 4.5.2.1 User name

In this interface you can add/remove user and modify user name. See Figure 4-40.

WatchNET								
				Live	Setup	Alarm	Log	out
		_						
▶ Camera	Account							
▶ Network	User Nam	e	Group					
▶ Event	No.	User Name	Group Name	Remark		Modify	Delete	
Storage	1	admin	admin	admin 's account		2	•	<u> </u>
▼ System	2	user	admin	admin 's account		1	•	
> General	3	guest	user	user 's account		2	•	
> Account								
> Default								
> Import/Export								
> Auto Maintain								
> Upgrade								
▶ Information								
Finiomation								<b>V</b>
	Authority List							-
	Shutdown/Reboo	ot Live	Record control	Storage	Account	Log Search		
	Clear Log	Upgrade	Auto Maintain	General	Video/Audio	Schedule/D	estination	
	Network	Abnormality	Video Detect	Default/Import/Export	Conditions			
								-
	Add User							
		1						

Figure 4-40

Add user: It is to add a name to group and set the user rights. See Figure 4-41.

There are four default users: "admin/user/guest" and hidden user "default". Except user "guest", other users have administrator right. The user "guest" can only have the monitor rights,.

Hidden user "default" is for system interior use only and can not be deleted. When there is no login user, hidden user "default" automatically login. You can set some rights such as monitor for this user so that you can view some channel view without login.

Here you can input the user name and password and then select one group for current user.

Please note the user rights shall not exceed the group right setup.

For convenient setup, please make sure the general user has the lower rights setup than the admin.

		_		Live	PTZ	Setup Al	arm Logou
amera	Account						
etwork	User Nam	ie Grou	dr				
vent	No.	User Name	Group Name		Remark	Modify	Delete
torage	1	Add User				<b>1</b> 2	•
ystem	2	kuu osei			<u>^</u>		•
General	3	User Name				2	•
Account	4	Password				2	•
РТZ		Confirm Password					
Default		Group	admin				
Import/Export							
Auto Maintain		Remark					
Upgrade		Authority List	All	<b>^</b>			
formation			Shutdown/Reboot				
rormation	Authority List		Record control				
	Shutdown/R					Relay-in/out	Log Search
	Clear Log		✓ PTZ	~		Network	Alarm
	Video Detec		Save Cancel				
			Carto				
	Add User	]					
		1					

Figure 4-41

#### Modify user

It is to modify the user property, belonging group, password and rights. See Figure 4-42.

#### Modify password

It is to modify the user password. You need to input the old password and then input the new password twice to confirm the new setup. Please click the OK button to save.

Please note, the password ranges from 1-digit to 6-digit. It shall include the number only. For the user of the account rights, he can modify the password of other users.

WatchNET			_				
000000000000000000000000000000000000000				Live	Setup	Alarm	Logout
⊳ Camera	Account						
▶ Network	User Name	Group	0				
▶ Event	No.	Madify Llaar				** **	te
Storage	1	Modify User					× <u> </u>
⊤ System	2	User Name	admin	•			
> General	3	Modify Password					
> Account		Group	admin	-			
> Default		Remark	admin 's acc	_			
> Import/Export		Authority List	T All				
> Auto Maintain		,	Shutdown/	Dohoot	•		
> Upgrade			Live	Rebuut			
▶ Information			Record cor	ntrol			
			Storage				<u> </u>
	Authority List		Account		<u>•</u>		<u>~</u>
	Shutdown/Reboo Clear Log		Save	Cano	cel		tion
	Network	Abnormality	Video Detect	Default/Import	/Export Conditions		
							-
	Add User						

Figure 4-42

#### 4.5.2.2 Group

The group management interface can add/remove group, modify group password and etc. The interface is shown as in Figure 4-43.

Watch <i>NET</i>				L	ive PT	z	Setup	Alarm	Logout
► Camera	Account								
▶ Network	User Name		Group						
▶ Event	No.	Gi	oup Name		Remark		Modify	Dele	te
⊳ Storage	1		admin		administrator group		2	0	
🔍 System	2		user		user group		2	•	
> General									
> Account									
> PTZ									
> Default									
Import/Export									
> Auto Maintain									
> Upgrade									
▶ Information									<u>×</u>
	Authority List								<u>^</u>
	Shutdown/Reboot	Live	Record control	Backup	HDD	PTZ	Account	Relay-in/o	ut
					-		Record	RS232	
	INELWOIK	Aldilli	VIGEO D'Elect	FIZ	Delaut	video iripat			~
	Add Group								
				_				_	
> Default > Import/Export > Auto Maintain > Upgrade	-	Live Clear Log Alarm	Record control System Update Video Detect	Backup Auto Maintain PTZ	HDD General Setting Default	PTZ Encode Video Input	Account Record	Relay-in/o R5232	ut

Figure 4-43

Add group: It is to add group and set its corresponding rights. See Figure 4-45.

.

Please input the group name and then check the box to select the corresponding rights. It includes: shutdown/reboot device, live view, record control, PTZ control and etc.

WatchNET				_					
					ive P		Setup	Alarm	Logout
▶ Camera	Account								
▶ Network	User N	ame	Group						
▶ Event	No.				Demark		Modify		)elete
⊳ Storage	1	Add Group				×	2		• ^
⊤ System	2	Group					2		•
≻ General		Remark							
> Account		Authority List	All						
≻ PTZ			Shutdown/Ret	oot	<u>^</u>				
> Default			Live						
Import/Export			Record contro	I					
> Auto Maintain			PTZ						
> Upgrade			Save	Cancel	1				
▶ Information			Save	Cancer					
	Authority List Shutdown/R		Record control	Backup	HDD	PTZ	Account	Relay-i	niout
	Log Search	Clear Log	System Update	Auto Maintain	General Setting	Encode	Record	Relay-I RS232	
	Network	Alarm	Video Detect	PTZ	Default	Video Input			
									<b>~</b>
	Add Group								

Figure 4-44

#### Modify group

Click the modify group button, you can see an interface is shown as in Figure 4-45. Here you can modify group information such as remarks and rights.

Watch <i>NET</i>					_ive P1	Z	Setup	Alarm	Logout
Camera Network Event Storage System > General > Account > PTZ > Default > Import/Export > Auto Maintain > Upgrade Information	2 3		admin administrator gro All Shutdown/Ret V Live V Record contro V HDD V PTZ Save	ooot		×	Modify 2		Delete
	Authority List Shutdown/Reboot Log Search Network Add Group	Live Clear Log Alarm	Record control System Update Video Detect	Backup Auto Maintain PTZ	HDD General Setting Default	PTZ Encode Video Input	Account Record	Relay RS23	r-in/out 2 ♥

Figure 4-45

#### 4.5.3 PTZ

#### Please note some series product does not support this function.

The PTZ interface is shown as in Figure 4-46.

WatchNET									
					Live	PTZ	Setup	Alarm	Logout
⊳ Camera	PTZ								
▶ Network									
▶ Event	Protocol	PELCOD	~						
▶ Storage	Address	1							
⊤ System	Baudrate	9600	~						
> General	Data Bit	8	<b>~</b>						
> Account	Stop Bit	1	~						
> PTZ	Parity	None	~						
➤ Default		Default	Refresh	Save					
<ul> <li>Import/Export</li> </ul>									
> Auto Maintain									
≻ ∪pgrade									
▶ Information									

Figure 4-46

Parameter	Function
Protocol	Select the corresponding dome protocol.
Address	Set corresponding dome address. Default value is 1. Please note your setup here shall comply with your dome address; otherwise you can not control the speed dome.
Baud Rate	Select the dome baud rate. Default setup is 9600.
Data Bit	Default setup is 8. Please set according to the speed dome dial switch setup.
Stop bit	Default setup is 1. Please set according to the speed dome dial switch setup.
Parity	Default setup is none. Please set according to the speed dome dial switch setup.

#### 4.5.4 Default

The default setup interface is shown as in Figure 4-47.

Please note system can not restore some information such as network IP address.

WatchNET						
		Live	PTZ	Setup	Alarm	Logout
⊳ Camera	Default					
▶ Network						
▶ Event	Default					
⊳ Storage						
⊤ System						
≻ General						
> Account						
≻ PTZ						
> Default						
<ul> <li>Import/Export</li> </ul>						
≻ Auto Maintain						
≻ Upgrade						
▶ Information						

Figure 4-47

#### 4.5.5 Import/Export

The interface is shown as in Figure 4-48.

WatchNET						
		Live	PTZ	Setup	Alarm	Logout
Camera	Import/Export					
▶ Network						
⊳ Event	Backup Path					
▶ Storage	Import Export					
⊤ System						
≻ General						
> Account						
> PTZ						
≻ Default						
Import/Export						
> Auto Maintain						
≻ Upgrade						
> Information						

Figure 4-48

Parameter	Function
Import	It is to import the local setup files to the system.
Export	It is to export the corresponding system setup to your local PC.

#### 4.5.6 Auto maintenance

The auto maintenance interface is shown as in Figure 4-49.

Here you can select auto reboot and auto delete old files interval from the dropdown list.

If you want to use the auto delete old files function, you need to set the file period.

WatchNET					
	L	ive PTZ	Setup	Alarm	Logout
🕨 Camera	Auto Maintain				
Network					
▶ Event	Auto Reboot Everyday 02 : 00				
🕨 Storage	Auto Delete Old Files Customized 1 Days ago				
⊤ System					
> General	Manual Reboot				
> Account	Refresh Save				
> PTZ					
➤ Default					
<ul> <li>Import/Export</li> </ul>					
Auto Maintain					
≻ ∪pgrade					
▶ Information					

Figure 4-49

#### 4.5.7 Firmware update

The firmware interface is shown as in Figure 4-50.

Please select the upgrade file and then click the update button to begin firmware update.

#### Important

#### Improper upgrade program may result in device malfunction!

Watch <i>NET</i>					·			
00000000000000000				Live	PTZ	Setup	Alarm	Logout
▶ Camera	Upgrade							
▶ Network								
🖻 Event	Select Firmware File	В	rowse	Upgrade				
⊳ Storage								
🔻 System								
> General								
> Account								
> PTZ								
> Default								
Import/Export								
> Auto Maintain								
> Upgrade								
▶ Information								



# 4.6 Information

#### 4.6.1 Version

The version interface is shown as in Figure 4-51.

Here you can view system hardware features, software version, release date and etc. Please note the following information is for reference only.

▶ Camera	Version	
▶ Network	Software Version	2.103.WT00.0.T, build : 2013-05-20
► Event	WEB Version	3.0.0.0
Storage System	S/N	14MPIX20VDVIRM1212W00500334
✓ Information	CopyRight 2011,A	I Rights Reserved.
> Version		
> Log		
> Online User		

## Figure 4-51

# 4.6.2 Log

Here you can view system log. See Figure 4-52.

laichNE7			Live PTZ	Setup Alarm	Logout
amera	Log				
etwork	Start Time 2011 - 10 -	24 13 : 28 : 57 End Time 2011 - 10 - 25	13:28:57		
/ent					
orage	Туре АІІ	Search Find 25 log Log Time 2011	1-10-24 14:12:45 2011-10-25 13:28:09		
tem	No.	Time	User Name	Event	
ormation	1	2011-10-25 13:28:09	admin	Logout	
ersion	2	2011-10-25 13:28:07	admin	Login	
og	3	2011-10-25 13:17:35	admin	Login	
og	4	2011-10-25 12:35:07	admin	Logout	
	5	2011-10-25 11:52:34	Test	Add Group	
	6	2011-10-25 11:45:16	Test	Add User	
	7	2011-10-25 10:17:29	admin	Logout	
	8	2011-10-25 10:17:26	admin	Login	
	Detailed Information				
	Backup				Do To

Figure 4-52

Please refer to the following sheet for log parameter information.

Parameter	Function
Туре	Log types include: system operation, configuration operation, data operation, event operation, record operation, user management, log clear.
Start time	Set the start time of the requested log.
End time	Set the end time of the requested log.
Search	You can select log type from the drop down list and then click search button to view the list. You can click the stop button to terminate current search operation.
Detailed information	You can select one item to view the detailed information.
Clear	You can click this button to delete all displayed log files. Please note system does not support clear by type.
Backup	You can click this button to backup log files to current PC.

# 5 Alarm

Click alarm function, you can see an interface is shown as in Figure 5-1.

Here you can set device alarm type and alarm sound setup.

WatchNET		Live PTZ	Setup Alarm Logout
Alarm Type	No.	Time	Alarm Type
Motion Detect Disk Full			
☑ Disk Error □ Video Masking			
🗹 External Alarm			
Operation			
Prompt			
Alarm Tone			
Play Alarm Tone			
Tone Path Browse			
			<u>▼</u>

## Figure 5-1 Alarm

Туре	Parameter	Function
Alarm	Motion detection	System alarms when motion detection alarm
type		occurs,
	Disk full	System alarms when disk is full.
	HDD malfunction	System generates an alarm when HDD is malfunction.
	Camera masking	System alarms when camera is viciously masking.
	External alarm Some series product does not support this function.	Alarm input device sends out alarm.
Operation	Prompt	System automatically pops up alarm dialogue box.
Alarm	Audio	When alarm occurs, system auto generates alarm
audio		audio. The audio supports customized setup.
	Path	Here you can specify alarm sound file.

# 6 Log out

Click log out button, system goes back to log in interface. See Figure 6-1.



Figure 6-1

Note:

- Slight difference may be found in user interface.
- All the designs and software here are subject to change without prior written notice.