

XL-ICA-206M2T-M39

DOME IP camera



Web Operation Manual

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1 Network Connection

This 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 IP camera has connected to the network properly.
- camera 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.

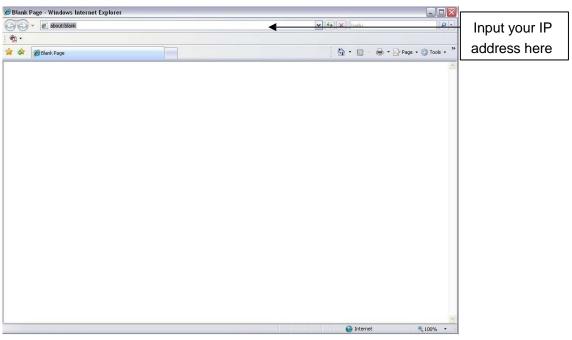


Figure 2-1 IE

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 admin.

Note: For security reasons, please modify your password after you first login.

A http://10.15.5.243/ Windows Internet Explorer		- D
Ele Edt Dew Fgrontes Look teb		
() () - 🖹 🗟 😭 🔎 Search 👷 Faur	atas 🙆 🍰 🔂 - 😓	
Address 🕘 http://10.15.5.243/		
	WEB SERVICE vao	
	WED SERVICENS	
	Usemame. admin	
	Pasaword:]	
	Logn Cancel	
Done		Local intranet

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.

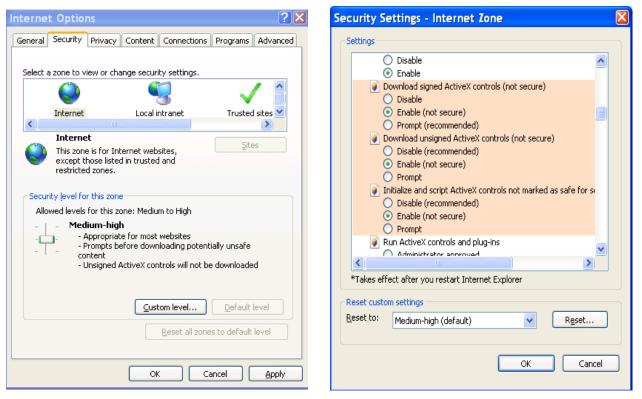


Figure 2-3 Security Settings

2.2 Live Interface

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

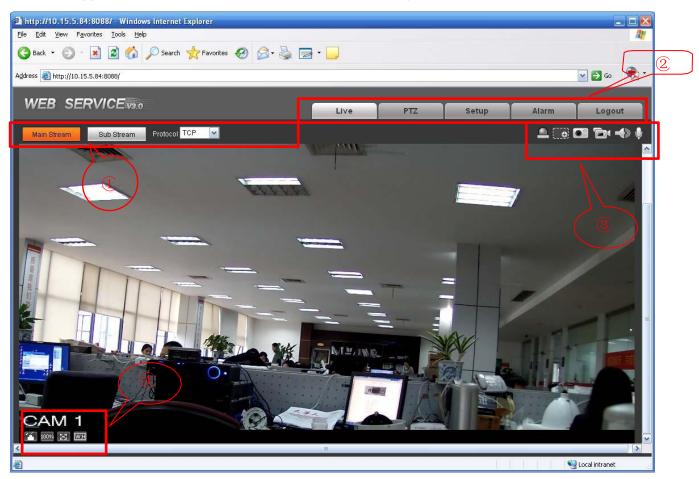


Figure 2-4 Live Interface

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.



Figure 2-5 Encode setup

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

Please refer to the following sheet for detailed information.

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	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.

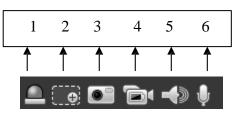


Figure 2-7 Video Window Function

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: \ RecordDownload(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		Some series product does not support this function.

2.6 Video Window Setup

The interface is shown as in Figure 2-8.

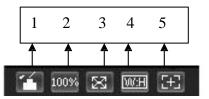


Figure 2-8 Video Window Setup

SN	Parameter	Function
Image controltop right pane.2OriginalClick this button to go to original size. It is		Click it to open picture setup interface. See Figure 2-9. This interface is on the top right pane.
		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		Click it to restore original ratio or suitable window.

5	Zoom and focus	Click it to open remote auto focus button. Left click mouse to hide or show auto focus interface.		
		Zoom and Focus Zoom Speed 20 • • WIDE TELE Focus Speed 20 •	It is to adjust lens focus . Click" "and "" to set according to the speed value and press "+" and "-" for a long time to set continuously. Speed is to set the length of one click. The speed(1/20/100) here is for one click only. It is to adjust lens definition.	
		NEAR FAR	Click to auto adjust the video definition. Note: Do not realize other lens operations during the auto focus process. It is to restore lens to the zero position to clear the error accumulation of the lens.	

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

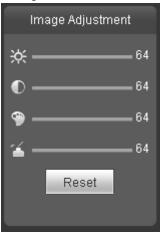


Figure 2-9

Param	eter	Function	
Video setup	¥	It is to adjust monitor video brightness.	Note: • All the operations here apply
	lacksquare	It is to adjust monitor video contrast ness.	 to WEB end only. Please go to Setup->Camera- >Conditions to adjust
	@	It is to adjust monitor video saturation.	corresponding items.

	It is to adjust monitor video hue.
R	set 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.

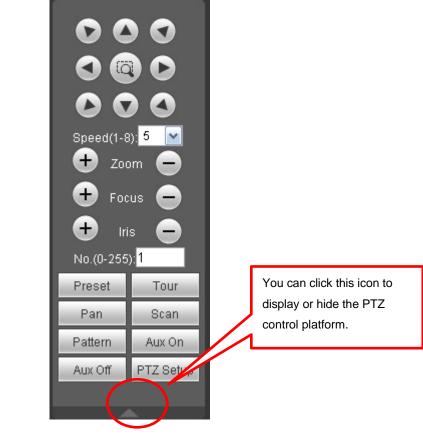


Figure 3-1 PTZ Interface

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

PTZ Settings			$\mathbf{\overline{N}}$
Scan			
	Set Left Limit	Set Right Limit	
Preset (Effective Scope	::0-255)		
0	Add	Delete	
Tour (Effective Scope:1	1-255)		
1	Add	Delete	Delete Group
Pattern (Effective Scop	pe:1-255)		
1	Start Record	Stop Record	
Assistant			
Compensation 💌	Start	Stop	
Matrix			
Monitor Output	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	 Move the camera to you desired location and then click left limit button. Then move the camera again and then click right limit button to set a right limit.
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	 Input auto tour value and preset value. Click add button, you have added one preset in the tour. Repeat the above procedures you can add more presets in one tour. Or you can click delete button to remove one preset from the tour. The tour value ranges from 1 to 255. (It may vary due to different protocols.)

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

4.1.1.1 Conditions

Here you can view device property information. The setups become valid immediately after you set. See Figure 4-1.

WEB SERVICE v3.0 Live Camera Conditions > Conditions Birghtness (Second Conditions)	Setup Alarm Logout	
Conditions		
Conditions		
> Audo Contrast () Network Hue (?) Event Saturation (?) Storage Gain Mode (*) System Gain Upper Limit Information Exposure Mode (*)	50 50 50 50 Manual 80 Manual 80 Manual 80 C OFF 9 C OFF 9 C OFF 6 OFF	

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.

Before the setup, please make sure you have installed the auto
ris.
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.
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.
 Sunny: The threshold of the white balance is in the sunny mode.
 Night: The threshold of the white balance is in the night mode.
 Customized: You can set the gain of the red/blue channel. The value reneges from 0 to 100.
It is to set device color and the B/W mode switch. The default setup is on.
 Color: Device outputs the color video.
 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.)
 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.

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.

4.1.1.2 Focus and zoom

The focus and zoom interface is shown as below. See Figure 4-2.

WEB SERVICE	100				_				
WED SERVICE	-v3:0					Live	Setup	Alarm	Logout
🗸 Camera	Conditions	Zoom and Focus							
> Conditions						88			
> Video									
> Audio									
Network	And And A		line little			12			
Event						199			
Storage						ili.			
System									
Information									
						-5			
	I da da d	the star star star	dia 1 dia			100			
					我们我们我们 第1				
70	om WIDE 🖃 —			Speed 20	- Reset				
		0			-]		
FO	icus NEAR 🔄	0	+ FAR	speed [20	[+] Auto Foo	us Rei	resh		

Figure 4-2

Parameter	Function					
Zoom	It is to adjust lens focus .Click" + and " = " to set according to the speed value and press "+" and "-" for a long time to set continuously. Speed is to set the length of one click.					
Focus	It is to adjust lens definition. Click " + and " = " to set according to the speed value and press "+" and "-" for a long time to set continuously. Speed is to set the length of one click.					
Auto focus	Click to auto adjust the video definition. Note: Do not realize other lens operations during the auto focus process.					
Reset	It is to restore lens to the zero position to clear the error accumulation of the lens. Note: Usually we recommend you reset if you can not get the clear video or you have operated focus and zoom operations for many times.					
Refresh	It is to synchronize the slide bar position of the lens and the focus and zoom after hardware zoom operation.					

4.1.2 Video

4.1.2.1 Video bit stream

The video bit stream interface is shown as below. See Figure 4-3.

mera	Video	Snapshot	Overla	iy Path			
Conditions /ideo	Main Stream			Sub Stream			
Audio ent orage stem ormation	Code-Stream Type Encode Mode Resolution Frame rate(FPS) Bit Rate Type Reference Bit Rate Bit Rate I Frame Interval Vatermark Settings Watermark Character	General H.264 1080P (1920*1080) 25 CBR 3584-8192kb/S 8192 50 DigitalCCTV	 ✓ ✓ ✓ ✓ (25~150) 	Enable Code-Stream Type Encode Mode Resolution Frame rate(FPS) Bit Rate Type Reference Bit Rate Bit Rate I Frame Interval	General H.264 CIF (352*288) 6 CBR 48-256Kb/S 80 12	₩ ₩ ₩ ₩ (6~150)	

Figure 4-3

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.					
	Encode mode	 There are three options: H.264(main profile standard, H.264B(baseline standard) encode and MJPG encode. 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. 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. 					
	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	 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. 					
		- The value is null in VBR mode.					
		 Please refer to recommend bit rate for the detailed information. 					

Parame	ter	Function
	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 DigitalCCTV. 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.
	Bit stream type	This function is enabled by default. General bit stream.
	Encode mode	 There are three options: H.264(main profile standard, H.264B(baseline standard) encode and MJPG encode. 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. 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.
	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.

Parame	ter	Function				
	Bit Rate	 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. 				
		- The value is null in VBR mode.				
		 Please refer to recommend bit rate for the detailed information. 				
	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 4-4.

WEB SERVIC	Live	PTZ	Setup	Alarm	Logout			
Camera	Video	Snapshot	Overlay	Р	ath			
> Conditions							8	
> Video	Snapshot Type	General	×					
> Audio	Image Size	1080P (1920*1080)						
Network	Quality	5	×					
🖻 Event	Interval	15	×					
🕨 Storage		Default	Refresh	Save				
🕨 System		[
lnformation								

Figure 4-4

Please refer to the following sheet for detailed information.

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 4-5.



Figure 4-5

Please refer to the following sheet for detailed information.

Parameter	Function
Privacy mask	 Here you can privacy mask the specified video in the monitor video. System max supports 4 privacy mask zones.
Time Title	 You can enable this function so that system overlays time information in video window. You can use the mouse to drag the time tile position.
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 4-6.

Here you can set snap image saved path

(Less in the preview interface) and the record storage

path (

ð

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

Please click the Save button to save current setup.

WED SERVIC	GE ¥3:0			Live	PTZ	Setup	Alarm	Logout	
Camera	Video	Snapshot	Overlay	Pa	ath				
> Conditions				_					
> Video	Snapshot Path	C:\PictureDownload		Bro	wse				
> Audio	Record Path	C:\RecordDownload							
Network	Record Pain	C. RecordDownload			WSe				
🖻 Event		Default	Save						
Storage		· · · · · · · · · · · · · · · · · · ·							
🕨 System									
lnformation									

Figure 4-6

4.1.3 Audio

Please note some series product does not support this function.

The audio interface is shown as below. See Figure 4-7.

WEB SERVICE V3:0			Live	PTZ	Setup	Alarm	Logout	
Camera	Audio							
 Conditions Video 	Main Stream			Sub Stream				
> Audio	🗹 Enable			Enable				
Network Event	Encode Mode	G.711A	~	Encode Mode	G.711A	~		
Storage		Default	Refresh	Save				
System		Deladit	Reliesi	Jave				
mormation								

Figure 4-7

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 4-8.

Camera TCP/IP Network Host Name > TCP/IP > Connection > PPPoE Wire(DEFAULT) Set as Default Card	Logout
> PPPnE Ethernet Card Wire(DEFAULT) ✓ Set as Default	
> 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 > Bonjour Subnet mask 255 • 255 • 0 • 0 > Mutlicast Default Gateway 10 • 15 • 0 • 1 > WiFI Preferred DNS Server 8 • 8 • 8 • 8 > GoS Atternate DNS Server 8 • 8 • 8 • 8 Event Enable ARP/Ping to set IP address service Storage Default Refresh System Information Save	

Figure 4-8

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.			
	 The IP/submask/gateway are null when you select the DHCP mode to auto search the IP. 			
	 If you select the static mode, you need to set the IP/submask/gateway manually. 			
	 If you select the DHCP mode, you can view the IP/submask/gateway from the DHCP. 			
	 If you switch from the DHCP mode to the static mode, you need to reset the IP parameters. 			
	 Besides, IP/submask/gateway and DHCP are read-only when the PPPoE dial is OK. 			
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 CAMERA and the PC in the same LAN. This function is on by default.				
	You can refer to the steps listed below.				
	Step 1: Get an IP address. Set the camera				
	and the PC in the same LAN.				
	Step 2: Get the physical address from the label of the camera.				
	Step 3 : 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.				
	Step 5 : 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.				
	Step 6 : 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 4-9.

WEB SERVIC	CE vao						
			Live	PTZ	Setup	Alarm	Logout
Camera	Connection						
Network TCP/IP Connection PPPoE DDNS IP Filter SMTP(E-mail) UPnP	Max Connection TCP Port UDP Port HTTP Port RTSP Port	10 40002 37778 8088 554 Default Re	(1~20) (1025~65535) (1025~65535) fresh Save]			
 > SNMP > Bonjour > Multicast > WIFI > QoS 							
Event Storage System Information							

Figure 4-9

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 37777. You can input the actual port number if necessary.
UDP port	The default value is 37778. 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 4-10.

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.

WEB SERVICE v3.0							
	** - * 3.0		Live	PTZ	Setup	Alarm	Logout
🕨 Camera	PPPoE						
	1						
> торлр	🗌 Enable						
> Connection	Username						
> PPPoE	Password						
> DDNS		Default Refresh	Save				
> IP Filter		Delault	Save				
> SMTP(E-mail)							
≻ UPnP							
> SNMP							
> Bonjour							
> Multicast							
> WIFI							
> QoS							
Event							
🕨 Storage							
System							
Information							



4.2.4 DDNS

The DDNS interface is shown as in Figure 4-11.

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.

WEB SERVIC	Evao						
			Live	PTZ	Setup	Alarm	Logout
▶ Camera	DDNS						
- Network	_						
> торлр	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	/linute(1~500)				
> SNMP		Default Refre	sh Save				
> Bonjour		Delaut	Save				
> Multicast							
> WIFI	4						
> QoS							
Event							
🕨 Storage							
System							
Information							

Figure 4-11

Please refer to the following sheet for detailed information.

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	 Device sends out alive signal to the server regularly. You can set interval value between the device and DDNS server here.

4.2.5 IP filter

The IP filter interface is shown as in Figure 4-12.

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

You can add IP address or IP address section.

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

WEB SERVIO	CE _{v3.0}		· · · · · ·				
			Live	PTZ	Setup	Alarm	Logout
🕨 Camera	IP Filter						
▼ Network	Trusted Sites						
> тсрлр	Trusted Sites						
> Connection		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 4-12

4.2.6 SMTP (e-mail)

The SMTP interface is shown as in Figure 4-13.

WEB SERVI	CE v3.0			Live	PTZ	Setup	Alarm	Logout
Camera	SMTP(E	E-mail)		2				
Network TCP/IP Connection PPPoE DDNS		SMTP Server Port Anonymity Username	none 25 anonymity					
IP Filter SMTP(E-mail) UPnP SNMP		Password Sender Authentication Title	none None IPC Message V Attac	chment				
> Bonjour > Multicast > WIFI > QoS		Mail Receiver						
Event Storage System Information		Interval Health Mail	0 Second(0~3600) Update Period 60 Minute (1~3) Email Test	600)				
	-		Default Refresh	Save				

Figure 4-13

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 4-14.

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 camera can auto detect it via the "My Network Places"

WEB SERVIC	E v3.0		Live	PTZ	Setup	Alarm	Lawrent
			Live	PIZ	Setup	Alarm	Logout
🕨 Camera	UPnP						
✓ Network	Enable	Status : Mapping Failed					
> торлр	Port Mapping L	ist					
Connection		Service Name	Protocol	Internal Port	External Port	Del	ete
> PPPoE		HTTP	TCP	80	8080	-	
> DDNS		TCP	TCP	37777	37777	C	
> IP Filter		UDP	UDP	37778	37778		
> SMTP(E-mail)		RTSP	TCP	554	554	9	
> UPnP							
> SNMP							
> Bonjour							<u>~</u>
> Multicast	Add Mapping	Refresh Save					
> WIFI							
> QoS							
Event							
🕨 Storage							
System							
Information							

Figure 4-14

4.2.8 SNMP

The SNMP interface is shown as in Figure 4-15.

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.

WEB SERVICE							
	_~~3.0		Live	PTZ	Setup	Alarm	Logout
Camera	SNMP						
 Network TCP/IP Connection PPPoE DDNS IP Filter SMTP(E-mail) UPnP SNMP Bonjour Multicast 	SNMP v1 SNMP v2 SNMP Port Read Community Write Community Trap Address Trap Port	161 (1~65) public]			
 WiFi QoS Event Storage System Information 							

Figure 4-15

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 4-16.

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 device and then access if you do not know the camera information such as IP address.

You can view the server name when the camera 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 camera of the Bonjour function in the LAN.

WEB SERVICE 193.0		Live	PTZ	Setup	Alarm	Logout	
Camera	Bonjour					f	Rt
Network							
> TCP/IP	🗹 Enable						
> Connection	Server Name	IPC-HF3300-TZC1CW15200022					
> PPPoE		Default Refresh	Save				
> DDNS							
> IP Filter							
> SMTP(E-mail)							
≻ UPnP							
> SNMP							
> Bonjour							
> Multicast							
> WIFI							
≻ QoS							
Event 📃							
Storage							
System							
Information							

Figure 4-16

4.2.10 Multicast

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

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.

WEB SERVI	CE v3.0		Live	DTT	Catur	Alarm	Lawaut
			Live	PTZ	Setup	Alarm	Logout
🕨 Camera	Multicast						
> торлр	Multicast Address	239 . 255 . 42 . 42 Port 3	6666 (1025~6553)	5)			
> Connection		Refresh Save					
> PPPoE							
> DDNS							
> IP Filter	19 						
> SMTP(E-mail)							
> UPnP							
> SNMP							
> Bonjour							
> Multicast							
> WIFI							
> QoS							
Event Event							
🕨 Storage							
System							
Information							

Figure 4-17

4.2.11 WIFI

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

The WIFI interface is shown as in Figure 4-18.

WEB SERVIC	CE v3:0		Live	PTZ Setup	Alarm Logout
⊳ Camera	WIFI				
T Network	ON				Search SSID
> TCP/IP	ID_list				
Connection		SSID	Connect mode	Encryption Mode	Signal Quality
> PPPoE					<u> </u>
> DDNS					
> IP Filter					
> SMTP(E-mail)					
> UPnP					
> SNMP					
> Bonjour					<u>×</u>
> Multicast	WIFI-INFO				
> QoS	Current Hot Spot				
▶ Event	IP address				
▶ Storage	Subnetmask				
▶ System	Default IP				
► Information	Gateway				
	Refresh				

Figure 4-18

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 4-19.

	3.0		Live	PTZ	Setup	Alarm	Logout
Camera Network > TCPAP > Connection	WIFI 2 ON ID_list SSID				ryption Mode	Sea Signal Quality	rch SSID
 PPPoE DDNS IP Filter SMTP(E-mail) UPnP SNMP Bonjour 	huaguest huayip TP-LINK_3D79	Connect To huaguest	59 % WPA-PSK-TKIP Connecting Can		A-PSK-TKIP NKNOWN NONE	al	
> WIFI > QOS Event Storage System	WIFLINFO Current Hot Spot IP address Subnetmask Default IP Gateway Refresh						

Figure 4-19

4.2.12 Qos

The QoS interface is shown as below. See Figure 4-20.

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.

WEB SERVIO	CE-v3:0		ſ	Live	PTZ	Setup	Alarm	Logout
Camera	QoS							
Network								
> тсрлр	Realtime Monitor	0	(0~63)					
> Connection	Command	0	(0~63)					
> PPPoE		Default	efresh	Save				
> DDNS		·						
> IP Filter								
> SMTP(E-mail)								
> UPnP								
> SNMP								
> Bonjour								
> Multicast								
> WIFI								
> QoS	1							
▶ Event								
Storage								
System								
Information								

Figure 4-20

Please refer to the following sheet for detailed information.

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 4-21.

	ОГ						
WEB SERVI	CE v3.0		Live	PTZ	Setup	Alarm	Logout
▶ Camera	Motion Detect	Video Masking					
Network Event	Enable						
 Video Detect Alarm 	Working Period Anti-Dither	Setup 0 Second (0~100)	Sensitivity 3				
> Abnormity Storage System	Area	Setup					
Information	Record Delay	10 Second (10~300)					
	☑ Relay-out Alarm Delay	10 Second (10~300)					
	Send E-Mail	Nana					
	PTZ Snapshot	Activation None Address O					
		Default Refresh	Save				

Figure 4-21

EB SERVICE v3.0					Live	PTZ	Setup	Alarm	Logou
mera Working F	eriod	_		_		_	×		
etwork	0 2 4	6	8	10 12	14 16 18	20 22 24			
Sund	y				ان و و و و و و و و و	ف کر خارک کا کر کا کا کا ک	Setup		
eo Detect Mond	y <mark>Manadalah kanada</mark>						Setup		
rm Tuesd	y m			یرین بین این کار این این این دیر بین وی بین کار این کار کار			Setup		
normity Wednesd	Y					. · · · · · · · · · · · · · · · · · · ·			
age Thursd	v						Setup		
em							Setup		
Frid							Setun		
Saturd	У						Setup		
	- International Construction of Constructions of Constructions	2000					Selup		
	Sund	av 🗌 N	londay	Tuesday [Vvednesday Ih	ursdav 🥅 Fridav 🥅	Saturday		
All		ay □ №)0:00	londay —	24:00:00	J VVednesday 📋 Th	ursday 🗌 Friday 🗌	Saturday		
	od 1: 00 : 0		londay] VVednesday [] In	ursday 🗌 Friday 🗌	Saturday		
Per	od 1: 00 : 0 od 2: 00 : 0	00:00	londay	24:00:00] VVednesday 📋 Th	ursday 🗋 Friday 📋	Saturday		
Per □ Per	od 1: 00 : 0 od 2: 00 : 0 od 3: 00 : 0	00 : 00 00 : 00	londay 	24:00:00 24:00:00] VVednesday [_] In	ursday 🗌 Friday 🗌	Saturday		
♥ Per ● Per ● Per	od 1: 00 : 0 od 2: 00 : 0 od 3: 00 : 0 od 4: 00 : 0	00 : 00 00 : 00 00 : 00	londay 	24 : 00 : 00 24 : 00 : 00 24 : 00 : 00] Wednesday [_] In	ursday 🗌 Friday 🗌	Saturday		
V Per Per Per	od 1: 00 : 0 od 2: 00 : 0 od 3: 00 : 0 od 4: 00 : 0 od 5: 00 : 0	00 : 00 00 : 00 00 : 00 00 : 00	londay	24 : 00 : 00 24 : 00 : 00 24 : 00 : 00 24 : 00 : 00	j VVednesday [_] In	ursday 🗌 Friday 🗌	Saturday		

Figure 4-22

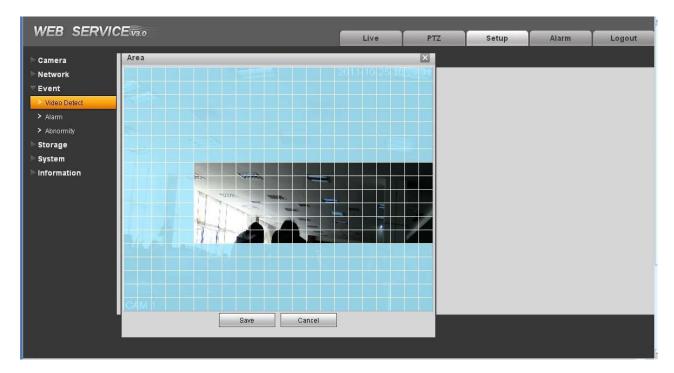


Figure 4-23

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	 There are six levels. The sixth level has the highest sensitivity. Region: If you select motion detection type, you can click this button to set motion detection zone. The interface is shown as in Figure 4-23. 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.
Working Period	 Motion detection function becomes activated in the specified periods. See Figure 4-22. There are six periods in one day. Please draw a circle to enable corresponding period. 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. Click OK button, system goes back to motion detection interface, please click save button to exit.

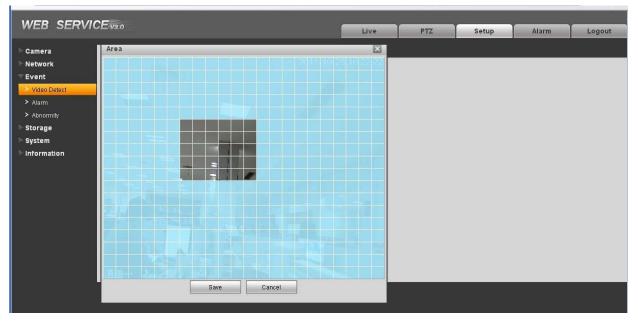
Parameter	Function
Anti-dither	System only memorizes one event during the anti-dither period. The value ranges from 0s to 100s.
Relay out	Enable alarm activation function. You need to select alarm output port so that system can activate corresponding alarm device when alarm occurs.
	Some series product 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. 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.
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. The event type includes: preset, tour and pattern
	 The event type includes: preset, tour and pattern. Some series product does not support this function.
Createt	
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 4-24.

WEB SERV	ICE v3.0			Live	PTZ	Setup	Alarm	Logout
Camera	Mot	ion Detect	Video Masking					
Network Event		Enable						
 Video Detect Alarm 		Working Period Anti-Dither	Setup					
> Abnormity > Storage		Record Channel						
System		Record Delay	10 Second (10~300)					
Information		Relay-out Alarm Delay	10 Second (10~300)					
		Send E-Mail						
		PTZ	Activation None 💽 Address D					
		Snapshot						
			Default Refresh	Save				
			Default Refresh	Save				







Parameter	Function
Enable	You need to check the box to enable this function.
Sensitivity	There are six levels. The sixth level has the highest sensitivity.

Parameter	Function
Area	 There are six levels. The sixth level has the highest sensitivity. Region: you can click this button to set Video masking zone. The interface is shown as in Figure 4-25. 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.
Working Period	 Video masking function becomes activated in the specified periods. There are six periods in one day. Please draw a circle to enable corresponding period. 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. Click OK button, system goes back to motion detection interface, please click save button to exit.
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	 Here you can set PTZ movement when alarm occurs. Such as go to preset x when there is an alarm. The event type includes: preset, tour and pattern. Some series product does not support this function.
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 4-26.

WEB SERVI	CE v3.0			Live	PTZ	C. C. Martin	Alarm	
				Live	P1Z	Setup	Alarm	Logout
Camera	Relay	Activation	Relay-out					
Network								
T Event		Enable						
Video Detect		Relay-in	Alarm1					
> Alarm		Working Period	Setup					
> Abnormity		Anti-Dither	0 Second (0~100) Senso	r Type NO 🖌				
⊳ 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 4-26

Parameter	Function
Enable	You need to check the box to enable this function.
Working Period	 This function becomes activated in the specified periods. There are six periods in one day. Please draw a circle to enable corresponding period. 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. Click OK button, system goes back to motion detection interface, please click save button to exit.
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.
Relay out	 There is 1-channel alarm output. Corresponding to motion detection alarm output port. Enable alarm activation function. You need to select alarm output port so that system can activate corresponding alarm device when alarm occurs.

Parameter	Function
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. The event type includes: preset, tour and pattern.
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 4-27.

WEB SERV	/ICE v3.0				,		
			Live	PTZ	Setup	Alarm	Logout
► Camera	Relay Activation	Relay-out					
Network							
⊤ Event							
> Video Detect							
> Alarm	Trigger	Refresh					
> Abnormity							
🕨 Storage							
⊳ System							
Information							

Figure 4-27

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 4-28 through Figure 4-32.





WEB SERVIC	Fvan							
	hee-#3.0			Live	PTZ	Setup	Alarm	Logout
⊳ Camera	No SD Card	Capacity Warning	SD Card Error	Disconnection	IP Conflict			
Network	Enable							
🕆 Event	Capacity Limi	t 10 %(0~99)						
> Video Detect		10 30 4 0~99 1						
> Alarm	Relay-out							
> Abnormity	Relay-out Del	ay 10 Second	(10~300)					
🕨 Storage	Send E-Mail							
> System		Default	Refresh Sa	ave				
Information		Delauli	Keiresii	200				
A _r								

Figure 4-29

WEB SERVIO	CE _{V3.0}							
				Live	PTZ	Setup	Alarm	Logout
▶ Camera	No SD Card	Capacity Warning	SD Card Error	Disconnection	IP Conflict			
Network								
Event	Enable							
Video Detect	🗹 Relay-out							
> Alarm	Relay-out Dela	y 10 Second	(10~300)					
> Abnormity	Send E-Mail							
🕨 Storage								
🕨 System		Default	Refresh	Save				
Information								

Figure 4-30

WEB SERVIC	E v3:0			Live	PTZ	Setup	Alarm	Logout
Camera Network Event > Video Detect > Alarm > Abnormity Storage System Information		D Card Enable Record Record Delay Relay-out Relay-out Delay	 SD Card Error (10~300) (10~300) Refresh	Disconnection		setup	Alarm	Logout

Figure 4-31

WEB SERVIC	E v3.0		Live	PTZ	Setup	Alarm	Logout
Camera Network Event > Video Detect > Alarm > Abnormity Storage System Information	No SD Card Enable Record Record Dela Relay-out Relay-out De	 SD Card Error (10~300) (10~300) Refresh S	Disconnection	IP Conflict	Setup	Aldim	Logou

Figure 4-32

Parameter	Function
Event Type	 The abnormal events include: no disk, no space, disk error, net error, offline, IP conflict.
	 Threshold: You can set the minimum percentage value here. The device can alarm when capacity is not sufficient.
	 You need to draw a circle to enable this function.
Record	System auto activates channel to record once alarm occurs (For offline type only. See Figure 4-32.). 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.

Parameter	Function							
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 4-33. 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.

WEB SER	VICE-V3:0									Live			PTZ	Setup	Alarm	Logout
Camera	Record Schedule	Snap	shot Sche	dule												
Network		_														
Event	0	2	4 6	8	10	12	14	16	18	20	22	24		_		
Storage						ter le le le			d-holist				Setup			
Schedule	Monday										W COLLECTION OF T		Setup]		
> Destination	Tuesday												Setup	1		
> Conditions	Wednesday												Setup	1		
System	Thursday				ه بد در ه ه		-	-	-		-]		
Information	Friday												Setup	1		
													Setup			
	Saturday												Setup]		
						1	7100404 DV	-						5 .		
		Defa	ult	Refr	esh		Save									

Figure 4-33

4.4.2 Destination

The destination interface is shown as in Figure 4-34.

It is to set the storage mode of the CAMERA 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.

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			
> Conditions	Network				Network			
System								
Information	Save	Cancel						

Figure 4-34

Please refer to the following sheet for detailed information.

Parameter	Function
Event Type	It includes: general, motion detect and alarm.
Local	It saved in the SD card.
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 4-35. Here you can view local SD card or disk information. You can also operate the read-only, write-only, hot swap and format operation.

WEB SERVIC	E v3.0			Live	PTZ	Setup	Alarm	Logout
Camera Network	Path	Local	FTP	Network				
Event Storage	De	wice Name Disk1	Status Normal		Attribute ead & Write	Sector Needs	apacity/Total Capaci G/1.8G	y 🖉
 Schedule Destination Conditions 			Torritor					
System								
	Read Only	Read & Write Ho	l Swap					Format
-								

Figure 4-35

The FTP interface is shown as in Figure 4-36. 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.

WEB SERVIO	Fire							
				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				

Figure 4-36

The network interface is shown as in Figure 4-37. 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.

WEB SERVIC								
WED SERVIC	► ¥3:0			Live	PTZ	Setup	Alarm	Logout
Camera	Path	Local	FTP	Network				
Network								
🕨 Event	Enable							
🔍 Storage	Protocol	NFS	~					
> Schedule	Server IP	2 3 3						
> Destination	Port	21	(0~65535)					
Conditions	User Name							
🕨 System	Password							
Information	Remote Path							
		Default	Refresh Sa	ve				

Figure 4-37

4.4.3 Record control

The record control interface is shown as in Figure 4-38.

Camera Conditions Network Pack Duration Event Pre-event Record Storage Disk Full > Schedule	
Schedule Record Mode Automatic Manual Off Conditions Default Refresh Save	

Figure 4-38

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	 There are two options: stop recording or overwrite the previous files when HDD is full. Stop: Current working HDD is overwriting or current HDD is full, it will stop record. Overwrite: Current working HDD is full; it will overwrite the previous file.
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

н.

The local host interface is shown as in Figure 4-39.

WEB SERVIO	~E							
WLD SLAVA	→L = V 3:0			Live	PTZ	Setup	Alarm	Logout
Camera Network	General	Date&Time	<u> </u>					
▷ Event	Device Name Language	TZC1CW15200022 English	~					
⊳ Storage ▼ System	Video Standard	PAL						
 > General > Account 		Default	Refresh	Save				
 PTZ Default 								
> Import/Export								
> Auto Maintain > Upgrade								
► Information								

Figure 4-39

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 4-40

WEB SERVIO	CEva o								
					Live	PTZ	Setup	Alarm	Logout
Camera	Gene	eral	Date&Time						
Network Event Storage System General Account PTZ Default		Date Format Time Format Time Zone Current Time DST Enable DST Type Start Time	and the second se	ed System 💌					
> Import/Export > Auto Maintain > Upgrade Information		End Time Synchronize with N NTP Server Port Update Period	TP clock.isc.or 37	2nd 💌 Mondar g Minute (0~30) Refresh	9 🗙 00 : 00 : 00	l			

Figure 4-40

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 4-41.

era	Account							
ork	User Name	Gro	up					
ıt	No.	User Name	Gro	up Name	R	emark	Modify	Delete
ıge	1	admin	4	admin	admin	's account	2	0
em	2	888888	1	admin	88888	3 's account	2	•
neral	3	666666		user	66666	5 's account	2	0
ount 2 ault iort/Export 5 Maintain grade								
mation	Authority List Shutdown/Reboot	Live	Record control	HDD	PTZ	Account	Relay-in/out	Log Search
	Clear Log Video Detect	System Update PTZ	Auto Maintain Default	General Setting Video Input	Encode	Record	Network	Alarm
	Add User							

Figure 4-41

Add user: It is to add a name to group and set the user rights. See Figure 4-42.

There are four default users: admin/888888/666666 and hidden user "default". Except user 6666, other users have administrator right. The user 666666 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.

amera	Account						
etwork vent torage ystem General	2	e Group User Name Add User User Name	Group Name	-	Remark	Modify	Delete O O
Account PTZ Default Import/Export Auto Maintain Upgrade formation	4	Password Confirm Password Group Remark Authority List	admin All Shutdown/Reboot Live			2	•
	Authority List Shutdown/R Clear Log Video Detec		Record control HDD PTZ Save Cancel	•		Relay-in/out Network	Log Search Alarm

Figure 4-42

Modify user

It is to modify the user property, belonging group, password and rights. See Figure 4-43.

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.

EB SERVICE _{V3.0}				Live	PTZ	Se	tup Al	arm Log
imera Acc	count							
twork	User Name	Group						
rent	No.	Lase Name	Crown Monor		Domark	-	Modify	Delete
orage	1 Mod	ify User				×	2	•
stem 🛛 📃	2	User Name	888888	~			4	0
eneral	3						1	۰
ccount	4	Modify Password	-				1	
TZ	5	Old Password				-		
efault		New Password						
nport/Export		Confirm Password						
uto Maintain		Group	admin	~				
Ipgrade		Remark	888888 's account					
ormation		Authority List	All			1		
Author	rity List	Additionly List	Alarm	~				
	tdown/R		Video Detect				Relay-in/out	Log Search
	ar Log		PTZ				Network	Alarm
vide	eo Detec		Default Video Input					
			Wideo impar	×				
Ad	d User		Save	Cancel				

Figure 4-43

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 4-44.

amera	Account								
letwork	User Name		Group						
vent	No.		Group Name		Remark		Modify	Delete	
torage	1		admin		administrator group		2	0	
ystem	2		user		user group		2	•	
General									
Account									
PTZ									
Default									
Import/Export									
Auto Maintain									
Upgrade									
formation									
	Authority List Shutdown/Reboot	Live	Record control	Backup	HDD	PTZ	Account	Relay-in/out	
	Log Search	Clear Log	System Update	Auto Maintain	General Setting	Encode	Record	RS232	
	Network	Alarm	Video Detect	PTZ	Default	Video Input			
	Add Group								

Figure 4-44

Add group: It is to add group and set its corresponding rights. See Figure 4-46.

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.

WEB SERVI	CE _{V3.0}				_ive P	TZ S	Setup	Alarm	Logout
Camera Network Event Storage System > General > Account > PTZ > Default > Import/Export > Auto Maintain > Upgrade Information	2		Ali Ali Shutdown/Rei Live Record contro HDD PTZ Save			×	Modify	Detet	e V
	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-in/ou R5232	it 👻

Figure 4-45

Modify group

Click the modify group button, you can see an interface is shown as in Figure 4-46. Here you can modify group information such as remarks and rights.

imera	Account	<i>n</i>						
twork	User Name	G	roup					
rent orage	No. 1 Mo	dify Group	rus Morera		Damork	×	Modify	Delete
stem	2	Group	admin	~				
General		Remark	administrator gro	up				
Account		Authority List	All					
PTZ			Shutdown/Rel	oot				
Default			Live Record contro					
mport/Export			₩ HDD					
Auto Maintain			PTZ		×			
Jpgrade ormation			Save	Cancel]			
	Authority List							
	Shutdown/Reboot		Record control	Backup	HDD	PTZ	Account	Relay-in/out
	Log Search Network	Clear Log Alarm	System Update Video Detect	Auto Maintain PTZ	General Setting Default	Encode Video Input	Record	RS232
	NUMBER	/sum	VIGEO Delect	1.12	Deludit	video inpar		

Figure 4-46

4.5.3 PTZ

Please note some series product does not support this function.

The PTZ interface is shown as in Figure 4-47.

WEB SERVICE									
	0				Live	PTZ	Setup	Alarm	Logout
Camera	PTZ								
▶ Network			-						
Event	Protocol	PELCOD	~						
⊳ Storage	Address	1							
🔻 System	Baudrate	9600	*						
> General	Data Bit	8	×						
> Account	Stop Bit	1	×						
> PTZ	Parity	None	~						
> Default		Default	Refresh	Save					
> Import/Export									
> Auto Maintain									
> Upgrade									
Information									

Figure 4-47

Please refer to the following sheet for detailed information.

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 4-48.

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

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

Figure 4-48

4.5.5 Import/Export

The interface is shown as in Figure 4-49.

WEB SERVIO						
WED SERVIC		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 4-49

Please refer to the following sheet for detailed information.

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 4-50.

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.

WEB SERVI	C E v3.0				Live	PTZ	Setup	Alarm	Logout
					Live	112	Setup	Ararm	Logour
🖻 Camera	Auto	Maintain							
Network	1000								
Event		Auto Reboot	Everyday	02:00					
Storage		Auto Delete Old Files	Customized	💽 1. Days ago					
System									
> General		Manual Reboot							
> Account		Refresh	Save						
> PTZ									
> Default									
> Import/Export									
Auto Maintain									
> Upgrade									
Information									

Figure 4-50

4.5.7 Firmware update

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

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

Important

Improper upgrade program may result in device malfunction!

WED SERVI		Live	PTZ	Setup	Alarm	Logout
▶ Camera	Upgrade					
Network						
🕨 Event	Select Firmware File	Browse Upgrade				
▶ Storage						
🔍 System						
> General						
> Account						
> PTZ						
> Default						
Import/Export						
> Auto Maintain						
> Upgrade						
Information						

Figure 4-51

4.6 Information

4.6.1 Version

The version interface is shown as in Figure 4-52.

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

WEB SERVICE	V3.0		Live	PTZ	Setup	Alarm	Logout
Camera Network	Version	1					
Event Storage		IPC-HF3300 2.100.0000.0.R, build : 2011-10-14					
► System ▼ Information	WEB Version S/N	3.0.0.0 TZC1CW15200022					
 Version Log 	CopyRight 2011,A	ll Rights Reserved.					

Figure 4-52

4.6.2 Log

Here you can view system log. See Figure 4-53.

mera twork	Log			
ent rage	Start Time 2011 - 10 - 2 Type All		13 : 28 : 57 10-24 14:12:45 2011-10-25 13:28:09	
item	No.	Time	User Name	Event
ormation	1	2011-10-25 13:28:09	admin	Logout
	2	2011-10-25 13:28:07	admin	Login
ersion	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

Figure 4-53

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.

Parameter	Function
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.

WEB SERVICE		Live	PTZ Setup	Alarm	Logout
Alarm Type Motion Detect Disk Full Disk Error Video Masking External Alarm Operation Prompt Alarm Tone Play Alarm Tone Tone Path Dovreem	No.	Live	PTZ Setup	Alarm Alarm Type	
					3

Figure 5-1 Alarm

Туре	Parameter	Function
Alarm type	Motion detection	System alarms when motion detection alarm 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	Audio	When alarm occurs, system auto generates alarm 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.

http://10.15.5.84:8088/ Windows Internet Explorer	
Ele Edit Yew Fgrontes Icole Help	11
😋 Back + 🐑 - 😠 🖉 🏠 🔎 Search 👷 Favorites 🤣 🍰 - 🌺 🗔 + 🧫	
	🕑 🔂 😡 🧒 •
Address 🕘 http://10.15.5.84-30080/	M 🖬 👳 🦓 .
WEB SERVICE	
Usemanie udmin	
Password	
Login Cancel	
Done	Succel intranet

Figure 6-1