

# **XL-ICA-H661-Z482x**

IP Speed Dome Camera Web Operation Manual



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# Welcome

Thank you for purchasing our product!

#### Important

This operation manual is designed for several series products, some products may not support all the functions listed below.

# 1 Network Connection

This series IP speed dome product support the Web access and management via PC. IP speed dome factory default setup:

- z IP address: 192.168.1.108.
- z User name: admin
- z Password: admin

Please follow the steps listed below for network connection.

- $\mathbf{z}$   $\ \ \, \mbox{Make sure the IP speed dome has connected to the network properly.$
- z IP speed dome IP address and PC IP address shall be in the same network segment. IP speed dome default IP address is 192.168.1.108. If there is router, please set the corresponding gateway and subnet mask.
- z Use order ping \*\*\*.\*\*\*.\*\*\*(\* IP speed dome address) to check connection is OK or not.

# 2 Main Interface Introduction

### 2.1 Log in

Open IE and input IP speed dome IP address in the address column. For example, if your IP speed dome is 192.168.1.108, then please input http:// 192.168.1.108 in IE address column. See Figure 2-1

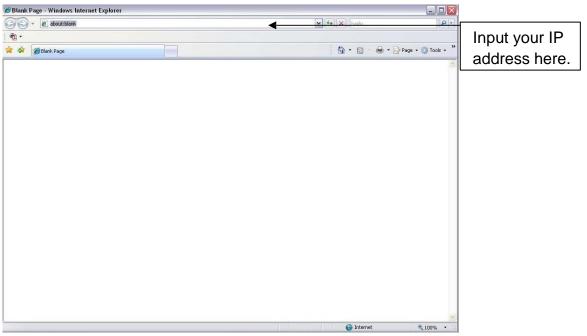


Figure 2-1

System pops up warning information to ask you whether install webrec.cab control or not. Please click yes button.

If you can't download the ActiveX file, please modify your settings as follows. See Figure 2-2.

Internet Options	Security Settings - Internet Zone
General Security Privacy Content Connections Programs Advanced	Settings
Select a zone to view or change security settings.	O Disable
	Download signed ActiveX controls (not secure)     Disable
Internet Local intranet Trusted sites	Enable (not secure)     Prompt (recommended)
Internet Sites Sites	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	<ul> <li>Initialize and script ActiveX controls not marked as safe for si</li> <li>Disable (recommended)</li> <li>Enable (not secure)</li> <li>Prompt</li> </ul>
Proposition of Modeley Modeley     Prompts before downloading potentially unsafe content     Unsigned ActiveX controls will not be downloaded	Run ActiveX controls and plug-ins     Advinistrator approved
Custom level         Default level           Reset all zones to default level	*Takes effect after you restart Internet Explorer          Reset custom settings         Reset to:       Medium-high (default)
OK Cancel Apply	OK Cancel

Figure 2-2

After installation, the interface is shown as below. See Figure 2-3.

Please input your user name and password.

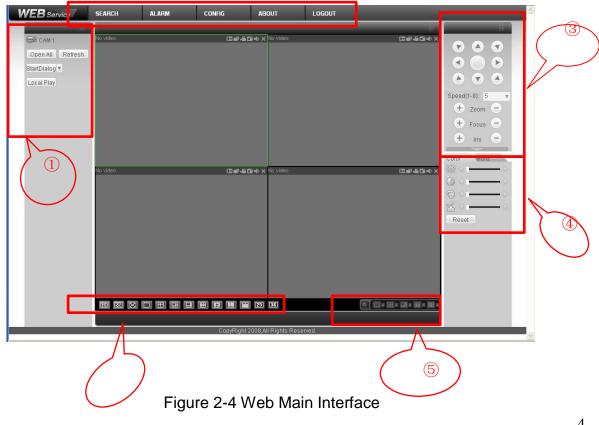
Default factory name is admin and password is admin.

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

WEB Service v.c Ver Near Parvet Logn	- 10 http://10.10.3.16/			<b>ه _</b>
Uyer Name				
User Name				
		Uter Name.	İ	



After you logged in, IP SPEED DOME web main interface is shown as in Figure 2-4.



There are six sections:

- z Section 1: Monitor channel menu tree
- z Section 2: System menu
- z Section 3: PTZ control
- z Section 4: Video setup and other setup
- z Section 5: Preview window
- z Section 6: Monitor window switch

### 2.2 Monitor Channel Menu Tree

The monitor channel menu tree is shown as in Figure 2-5.

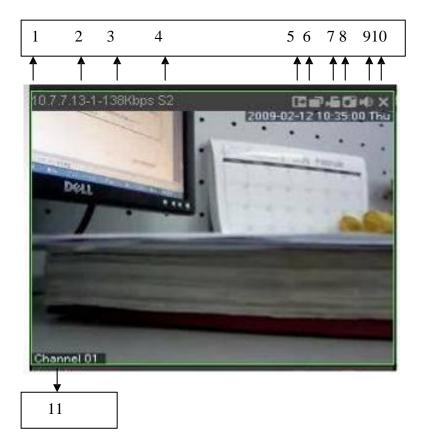


### Figure 2-5 Monitor Channel Menu Tree

Please refer to the following sheet for detailed information.

Parameter	Function	
Channel 1	Monitor channel 1	
	<ul> <li>IP speed dome supports main stream and extra stream.</li> <li>Main stream: In normal network width environment, main stream can record video and audio and realize network monitor. You can set the main stream resolution freely once the product supports.</li> <li>Extra stream: If network width is not sufficient, you can use extra stream to realize network monitor.</li> <li>Please note the extra stream resolution shall be less than main stream resolution.</li> </ul>	
Open all /close	Click this button to open all video channels.	
all	Once all video channels are open, it becomes close all button.	
Start dialogue	You can click this button to enable audio talk. Audio compression type: G.711a (default), G711u, PCM.	
Local play	Click local play button to select file to play in PC.	
Refresh	Click this button to refresh monitor channel name.	

Please left click one monitor to view real-time video, the monitor window is shown as in Figure 2-6.



### Figure 2-6 Real-time Monitor

Please refer to the following sheet for monitor window parameter information.

SN	Parameter	Function
1-4	Display device information	<ul> <li>z 1: IP speed dome IP address.</li> <li>z 2: Channel number.</li> <li>z 3: Bit stream.</li> <li>z 4: Bit stream type.</li> <li><sup>3</sup>/<sub>4</sub> S1: Overlay.</li> <li><sup>3</sup>/<sub>4</sub> S2: Off stream.</li> <li><sup>3</sup>/<sub>4</sub> S3:GD1</li> <li><sup>3</sup>/<sub>4</sub> H1: Overlay</li> <li><sup>3</sup>/<sub>4</sub> H2: off stream decoding from the display card.</li> </ul>
5	Digital zoom	Click this button and then left drag the mouse in the zone to zoom in. Right click mouse system restores original status.
6	Change show mode	Refresh video.

7	Local 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 chapter 2.7 to modify the local record save path. The playback bar is shown as below.	
8	Capture picture	You can snapshoot important video. All images are memorized in system folder: \ picture download (default).	
9	Audio	Turn on or off audio.(Before you use this function, please go to Config-System config-Encode to enable the audio function of the corresponding channel)	
10	Close video	Close video in current window.	
11	Channel number	Current view channel number.	

### 2.3 System Menu

System menu is shown as in Figure 2-7.

Please refer to chapter 3 Configuration, chapter 4 Search, chapter 5 Alarm, chapter 6 About, chapter 7 Log out for detailed information.

SEARCH	ALARM	CONFIG	ABOUT	LOGOUT

Figure 2-7 System Menu

### 2.4 Monitor Window Switch

The monitor window switch interface is shown as in Figure 2-8.

#### ▥ ∞ ∞ □ ⊞ ⊞ ⊒ Ξ Ξ Ξ Ξ

#### Figure 2-8 Monitor Window Switch

System supports 1/4/6/8/9/13/16/20/25/36-window real-time preview.

#### Please note current series product supports 1-window display mode only.

ED ---- It is video quality adjustment button. It has relationship with decode via software.

...Adjust video to original rate or the suitable window. .

### 2.5 Preview Window Switch

The preview window switch interface is shown as in Figure 2-9. IP speed dome series products **do not** support this function.

Figure 2-9 Preview Window Switch

### 2.6 PTZ Control

Before PTZ operation, please make sure you have properly set PTZ protocol. (Please refer to chapter 3.2.8 PTZ).

Here you can view direction keys, speed, zoom, focus, iris, preset, tour, pan, scan, pattern, aux close, , PTZ setup, open menu, close menu, up, down, left, right, confirm, and cancel button.

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



Figure 2-10 PTZ Interface

Click PTZ set button, the interface is shown as in Figure 2-11.

PTZ Set			×
Auto Scan			
	Left Limit	Right Limit	
Preset (Scope:1-80)			
1	Add	Delete	
Auto Tour (Scope:0-7)			
0	Add	Delete	Delete Group
Pattern (Scope:1-5)			
1	Start Record	Stop Record	Delete
Assistant			
BLC	Start	Stop	
Matrix			
Monitor Output 0	Video Input 0	Matrix ID 0	Video Switch

Figure 2-11 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 0 to 7. (It may vary due to different protocols.)</li> </ul>
Pattern	You can input pattern value and then click start record button to begin PTZ movement. Please go back to Figure 2-10 to implement camera operation. Then you can click stop record button in Figure 2-11. Now you have set one pattern. The pattern value ranges from 1 to 5.
Assistant	The assistant items include: BLC, Digital zoom, day/night mode, camera brightness, flip. You can select one option and then click start or stop button. Please note, current series product <b>does not</b> support this function.

Parameter	Function
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. Please note, current series product <b>does not</b> support this function.

### 2.7 Color and More Setup

Color and other setup interface are shown as in Figure 2-12.

Color	More	
錢勻	•	- 🗟
$\bigcirc \triangleleft$	8	-  >
$\bigcirc \triangleleft$	8	-  >
省日	•	- 1>
Reset		

Figure 2-12 Color

Please refer to the following sheet for detailed information.

Parameter		Function	
Video setup	凝	It is to adjust monitor video brightness.	All the operations here apply to WEB end only.
	9	It is to adjust monitor video contrast ness.	
	$\bigcirc$	It is to adjust monitor video saturation.	
	D	It is to adjust monitor video hue.	
	Reset	Restore brightness, contrast, saturation and hue to factory default setup.	

Click more button, the interface is shown as in Figure 2-13.

Color	More
PIC Path	REC Path
Reboot	

Figure 2-13 Color and More

Please refer to the following sheet for detailed information.

Parameter		Function
More	Picture Path	Click picture path button, system pops up an interface for you to modify path.
	Record Path	Click record path button, system pops up an interface for you to modify path.
	Reboot	Click this button, system pops up a dialogue box, please click OK button to reboot device.

# 3 Configure

# 3.1 System Information

### 3.1.1 Version Information

Here you can view device hardware feature and software version information. See Figure 3-1.

Configuration				×
🖳 Control Panel				
Query System Info     VERSION     VER	Item S/N Video In/Out Adam In/Out Ethernet Port RS232 ATA Port Bios Version	Stauts           YPC9GA0220002           1/1           1/1           1/1           0           1.0,Build:2009-7-29	Refresh	

Figure 3-1 Version Information

### 3.1.2 HDD information

Here you can view local storage status, free capacity and total capacity. See Figure 3-2.

Control Panel		HDD	INFO	
- Version Info	S/N	HDD Status	Free/Total Space	
Version     Version     Version     Version     Log     Log     Schedula     Encode     Schedule     Schedule     Schedule     Alarm     Default/backup     Advanceb     Hod management     Abvanceb     Abvance	Total (Local)HDD-1 Disk-1	Working	0/960MB 0/960MB	Refresh



### 3.1.3 Log

Here you can view system log. See Figure 3-3.

Control Panel	-		- LOG	(		
🛛 📝 Query System Info	Search	Clear Ba	skup	Туре	All	
VERSION	Sedicit		акар	туре	181	
HDD INFO	S/N	Log Time	Event		84	~
LOG	000001	2009-07-29 10:01:00	Device Shut	Down, Time: 2009-	07-29 9:57:5	
System Config	000002	2009-07-29 10:01:00	Abnormal Re	boot		
GENERAL	000003	2009-07-29 10:01:08	Export Config	g: Config Info		
	000004	2009-07-29 10:01:08	Export Config	g: Config Info		
	000005	2009-07-29 10:01:08	Export Config	: Network		
SCHEDULE	000006	2009-07-29 10:01:19	User Login: a	admin		
- 🧰 R5232	000007	2009-07-29 10:01:54	Export Config			
E I NETWORK	800000	2009-07-29 10:01:54	Export Config			
- 📄 ALARM	000009	2009-07-29 10:02:03	IP Conflicted			
DETECT	000010	2009-07-29 10:11:14		Down, Time: 2009-	07-29 10:7:18	
- PAN/TILT/ZOOM	000011	2009-07-29 10:11:14	Abnormal Re			
DEFAULT/BACKUP	000012	2009-07-29 10:12:17	IP Conflicted			
ADVANCED	000013	2009-07-29 10:12:25	User Login: a			
	000014	2009-07-29 10:18:19		Down, Time: 2009-	07-29 10:14:28	
HDD MANAGEMENT	000015	2009-07-29 10:18:19	Abnormal Re			
- ABNORMITY	000016	2009-07-29 10:19:22	IP Conflicted			
Alarm I/O Config	000017	2009-07-29 10:19:52	User Login: a			
- E Record	000018	2009-07-29 10:21:01	Export Config			
- COUNT	000019	2009-07-29 10:21:37	Export Config			
- SNAPSHOT	000020	2009-07-29 10:21:45	Export Config			
AUTO MAINTENANCE	000021	2009-07-29 10:22:56	Export Config			
	000022	2009-07-29 10:23:06	Export Config			
ADDTIONAL FUNCTION	000023	2009-07-29 13:31:10		Down, Time: 2009-	07-29 10:27:20	
	000024	2009-07-29 13:31:10	Abnormal Re			
	000025	2009-07-29 13:32:13	IP Conflicted			
	000026	2009-07-29 13:33:25	User Login: a			
	000027	2009-07-29 13:33:25	User Logout			
	000028	2009-07-29 13:33:44	Export Config			
	000029	2009-07-29 13:34:05	IP Conflicted	Resumed		

Figure 3-3 Log

Click backup button, the interface is shown as in Figure 3-4.

Save As	22
Save in: 🚺 Desktop	
My Documents My Computer My Network Places	
File name:	Save
Save as type: Log File (* log)	Cancel

Figure 3-4 Save Log

Please refer to the following sheet for log parameter information.

Parameter	Function
Туре	Log types include: system operation, configuration operation, data management, alarm event, record operation, user management, log clear and file operation.
Search	You can select log type from the drop down list and then click search button to view the list.
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.

### 3.2 System Configuration

### Please click save button to save your current setup.

#### 3.2.1 General Setup

Here you can set system time, record length, video format and etc. See Figure 3-5.

🖳 Control Panel 🛛 🚽 🗕		GENER	AL	(	
Query System Info     Wrssion	System Time	2009- 5-12 💌	10:47	35 🔹 Save	Sync PC
HDD INFO     LOG     LOG     GENERAL     ENCODE     SCHEDULE     RS232     NETWORK     ALARM     DEFECT     PAN/TILT/ZOM     DEFAULT/BACKUP     ADVANCED     HDD MANAGEMENT     ABNORNITY     ABNORNITY     AANOFMITY     AANOFMITY     ANAPSHOT     AUTO MAINTENANCE     ADDTIONAL FUNCTION	Date Format Date Separator Time Format Language HDD Full Pack Duration Device No. Video Standard	YYYYY MM DD 1.1 24.HOUR ENGLISH Overwrite 60 8 8 PAL		Minute	Set

Figure 3-5 General Setup

DST	$\mathbf{X}$
Day	⊂ Week day
	Hour Min.
2009- 6- 2 💌	0 • 0 •
2009-9-2 💌	0 • 0 •
ОК	Cancel
Figure	e 3-6 DST
DST	$\mathbf{X}$
C Day	Week day
Month Week We	ek day Hour Min.
Month Week We	
Month Week We	ek day Hour Min.
Month Week We	eek day Hour Min. e ▼ 0 ▼ 0 ▼
Month Week We	eek day Hour Min. e ▼ 0 ▼ 0 ▼

Please refer to the following sheet for detailed information.

Parameter	Function
System Time	Here is for you to modify system time. Please click Save button after your completed modification.
Sync PC	You can click this button to save the system time as your PC current time.
Data Format	Here you can select data format from the dropdown list.
Data Separator	Please select separator such as – or /.
Time Format	There are two options: 24-H and 12-H.
DST	Here you can set day night save time begin time and end time. See Figure 3-6 and Figure 3-7.
Language	You can select the language from the dropdown list. Device needs to reboot to get the modification activated.
HDD Full	There are two options: stop recording or overwrite the previous files when HDD is full. When current working HDD is overwriting or it is full now, system stops record. If current working HDD is full now, system goes to overwrite the previous file.
Pack Duration	Here you can select file size. Default setup is 60 minutes.
Device No	When you are using one remote control to manage multiple devices, you can give a serial numbers to the device. Please note current series IP speed dome <b>does not</b> support this function.
Video Standard	This is to display video standard such as PAL.

### 3.2.2 Encode

Encode interface is shown as in Figure 3-8.

Here you can set the main stream and extra stream for the same channel.

Control Panel			- EN(	CODE	
Query System Info	Channel	Channel 01	•	CHANNEL NAME	CAM 1
HDD INFO	Compression	H264	•		
T System Config	Main Stream	Main Stream	•	Extra Stream	Main Stream 💌
GENERAL	Audio/Video	🔽 Video 🥅 /	Audio	Audio/Video	🗆 Video 🗖 Audio
	Resolution		<b>•</b>	Resolution	<u> </u>
F P NETWORK	Frame Rate(FPS)	25	*	Frame Rate(FPS)	12 🔹
	Bit Rate Type	CBR	-	Bit Rate Type	VBR 💌
				Quality	High 💌
	Bit Rate(Kb/s)	•	0	Bit Rate(Kb/s)	• 0
	Reference Bit Rate	0~0Kbps		Reference Bit Rate	e 0~0Kbps
	I Frame	50	0~149	I Frame	24 0~149
	Color Setting		Set	🔽 Watermark	Set
	Overlay				
AUTO MAINTENANCE	Cover-Area	Monitor	-	Set	
ADDITIONAL FONCTION	✓ Time Display	9	Set	Channel Displa	ay Set
Here Additional Function	✓ Time Display	2	Set	Channel Displa	ay Set
	Сору				Save Refres
	Сору			_	Save Refre

Figure 3-8 Encode

Brightness	Contrast	Saturation	Hue	🗖 Gain
50	50	50	50	50
0~100	0~100	0~100	0~100	0~100
	ОК		Cancel	

Figure 3-9 Color Setting

Click watermark button, you can see an interface is shown as below.

WMK Setting		×
Stream Type	All	
Туре	Character 💌	
Characte	DigitalCCTV	
OK	Cancel	

Figure 3-10 Watermark

Please refer to the following sheet for detailed information.

Parameter	Function
Channel	Here is for you to select a monitor channel.
Channel Name	Here is to display current channel name. You can modify it.
Compression	H.264
Main Stream	It includes main 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.
Extra Stream	Select extra stream if you enabled the extension stream to monitor.
Audio/Video	Recorded file only contains video by default. You need to draw a circle here to enable audio function.
Resolution	Here you can set the IP speed dome resolution.
	The main stream and extra stream resolution may not be the same.
	In CBR mode, you can not modify resolution.
Frame Rate	PAL: 1~25f/s; NTSC: 1~30f/s
Bit Rate Type	There are two options: VBR and CBR. Please note, you can set video quality in VBR mode.
Quality	The value ranges from 1 to 6. The level 6 is the best video quality.
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.
	z Please refer to recommend bit rate for the detailed information.
Recommended Bit	Recommended bit rate value according to the resolution and frame rate you have set.
I Frame	Here you can set the P frame amount between two I frames. The value ranges from 1 to 150. System default value is 50. Recommended value is frame rate *2.

Parameter	Function
Color Setting	Here you can set video brightness, contrast ness, hue, saturation and gain (read-only).
	The value ranges from 0 to 100.The default value is 50. See Figure 3-9.
Watermark	Here you can select watermark bit stream, watermark mode and watermark character. Default character is DigitalCCTV. See Figure 3-10.
Cover area (privacy mask)	Z Here you can privacy mask the specified video in the monitor video.
	Z System max supports 8 privacy mask zones.
Time Title	Z You can enable this function so that system overlays time information in video window.
	Z OSD transparent value ranges from 0 to 255. 0 means complete transparent.
	z 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.
	SD transparent value ranges from 0 to 255. 0 means complete transparent.
	z You can use the mouse to drag the channel tile position.
Save	You can click save button after you complete setup for one item, or you can complete the whole setups and then click save button.
Refresh	Click this button to get device latest configuration information.

### 3.2.3 Schedule

Here you can set different periods for various days. There are max six periods in one day. See Figure 3-11.

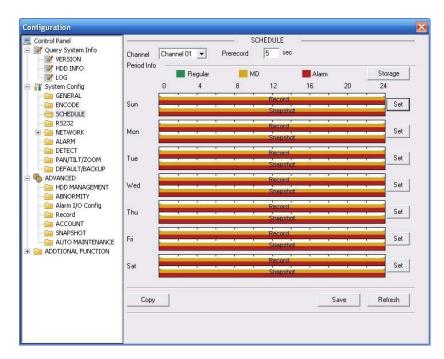


Figure 3-11 Schedule

vent Type Record	Regular	MD	Alarm
Local Storage	~		
Net Storage			Г
	<b>F</b>	-	E
Emergent Storage(Local)	1		:85
Emergent Storage(Local) Snapshot Local Storage Net Storage	<b>N</b>	- -	۲ ۲

Figure 3-12 Storage Set

Defa	ault	C	Current			Recor	56		napsł	
Period 1	<b>[</b> :00:00	÷ –	23:59:59	He ÷	gular	MD	Alarm 🔽	Regular		Alarm
Period 2	0:00:00	÷	23:59:59	÷	Г	Г	Г		Г	Г
Period 3	0:00:00	-	23:59:59	-		Γ	Г	Г	Г	П
Period 4	0:00:00	÷	23:59:59	+	Г	Γ	Г	Г	Г	Г
Period 5	0:00:00	+	23:59:59	+		Γ		Г	Г	Г
Period 6	0:00:00	•	23:59:59	÷	Г	Π	Е	Π	Г	Г
							-			
🔽 Sun	∏ Mo	n í	Tue	Γw	ed					
🗖 Thu	🗖 Fri	ſ	Sat							

Figure 3-13 Schedule Time

Please refer to the following sheet for detailed information.

Parameter	Function
Channel	Please select a channel first.
Pre-record	Please input pre-record value here.
	System can record the three to five seconds video before activating the record operation into the file. (Depends on data size).
Storage	<ul> <li>Event type includes: local storage/net storage/emergency storage.</li> <li>z Local storage: Storage record file or snapshot image to the storage media.</li> <li>Please note current series product <b>does not</b> support this function.</li> </ul>
Setup	In Figure 3-11, click set button, you can go to the corresponding setup interface.
	Please set schedule period and then select corresponding record or snapshot type: schedule/snapshot, motion detection/snapshot, and alarm/snapshot.
	Please select date (Current setup applies to current day by default. You can draw a circle before the week to apply the setup to the whole week.)
	Z After complete setup, please go back to Figure 3-11 and then click save to save current time period setup.
Save	You can click save button after you complete setup for one channel, or you can complete the whole setups and then click save button.
Refresh	Click this button to get device latest configuration information.
\$232	

### 3.2.4 RS232

The RS232 interface is shown as in Figure 3-14.

Control Panel			3	RS232	( <u></u>	
Query System Info	RS232 COM	COM 01	•			
HDD INFO	Function	Console	•			
System Config	Data Bits	8	•			
	Stop Bits	1	•			
- 🔁 R5232	Baudrate	115200	•			
INETWORK     ALARM	Parity	None	•			
DEFAULT/BACKUP						
- HDD MANAGEMENT						
ABNORMITY						
ADDTIONAL FUNCTION						
2						
					Save	Refresh

Figure 3-14 RS232

Please refer to the following sheet for detailed information.

Parameter	Function
RS232	There is only one option COM 01, corresponding to RS232.
Function	Console is for debug.
	Control keyboard: Switch between RS232 and control keyboard.
	Network keyboard: COM control protocol. You can use network keyboard to control IP speed dome via COM.
	Transparent COM: Network user can communicate with RS232 COM device.
	Alarm box: Wireless alarm box protocol. System can use COM to communicate with the wireless alarm box.
	COM_GPS: It is the GPS module protocol. You can connect to the GPS module to realize the GPS positioning function.
Data Bit	The value ranges from 5 to 8.
Stop Bit	There are two options: 1/2.
Baud Bit	You can select corresponding baud bit here.

Parameter	Function
Parity	There are five options: none/odd /even/mark/space.

### 3.2.5 Network

Network interface is shown as in Figure 3-15.

Control Panel		N	etwork —	
Query System Info	Ethernet Port	Port 01	] 🗆 рнср	
🛛 📝 HDD INFO	IP Address	10 . 15 . 5 . 133	Mac Address	52:54:4c:da:72:be
LOG	Subnet Mask	255 . 255 . 0 . 0		
System Config	Gateway	10 . 15 . 0 . 1		
- ENCODE	Device Name	YZC1EW00100004		
	TCP Port	37777 HTTP Port	80	
- 🔛 AdvanceSet	UDP Port	37778 Max Connection	6	
DDNS	Preferred DNS	8.8.8.8		
NAS	Alternate DNS	8.8.8.8		
IP-FILTER				
ALARM	-			
RS485 Config DEFAULT/BACKUP				
🗄 🚞 ADDTIONAL FUNCTION				
	-			
			Default	Save Refresh
	2			

### Figure 3-15 Network

Please refer to the following sheet for detailed information.

Parameter	Function
Ethernet	Please select the network card first.
	If you want to use wireless network, please select port 02(wireless) and then set wireless IP address and etc(For – W series only)
DHCP	Dynamically get IP address. You can get the device IP from the DHCP server if you enabled this function.
Device Name	The device ID in the network.
TCP Port	Default value is 37777.
HTTP Port	Default value is 80.
UDP Port	Default value is 37776.
Max Connection	Network user max amount. The value ranges from 1 to 10.

Parameter	Function
Network transmission QoS	You can set the priority between fluency and video quality or self-adaptive. System can automatically adjust the bit stream or lower the resolution according to the network bandwidth.

#### Advanced

The advanced interface is shown as in Figure 3-16.

z Multiple cast

It is to enable the multiple cast function and set address and port. Please note current series product **does not** support this function.

z PPPoE

Please 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.

#### Note:

After PPPoE successful dial, you need to go to the device local end to get device current IP address and then use the client-end to access this IP address.

Configuration					Đ
Control Panel  Query System Info  Query System Info  HDD INFO  LOG  FIGUREAL  ENCODE  RS232  NETWORK  AdvanceSet  FIGUREAL  F	Service User Password Regist IP:	PPPoE	 NetworkAdvance Enable		
				Save	Refresh

Figure 3-16

#### Email

The email interface is shown as in Figure 3-17.

Configuration			EMAIL		X
Control Panel  QUERY SYSTEM INFO QUERY VSTSIM INFO HDD INFO CONTROL GENERAL CONTROL C	SMTP Server Port User Name Password Sender Subject Receiver 1 Receiver 2 Receiver 3	www.huatech.co 25 anorymity **** anorymity@huatu DVR Message	m 0~65500	I Enable	
				Save	Refresh

Figure 3-17 Email

Please refer to the following sheet for detailed information.

Parameter	Function
SMTP Server	Input server address and then enable this function.
Port	Default value is 25. You can modify it if necessary.
User Name	The sender email account user name.
Password	The sender email account password.
Sender	Sender email address.
Subject	Input email subject here.
Address	Input receiver email address here. Max three addresses.

#### DDNS

The DDNS interface is shown as in Figure 3-18.

Please refer to chapter 9 for detailed information.

Configuration					X
Configuration	DDNS Type Server IP Port Domain Name User Name Password	ND-IP DDNS  www.huatech.com 5050 www.huatech.com anorymity xxxxx	DDNS Enable		
	Alive Interval(sec.)	30	1~30000		
				Save Refresh	

# Figure 3-18 DDNS

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

### NAS

NAS interface is shown as in Figure 3-19.

Current series IP speed dome **does not** support this function right now.

Configuration					
Configuration	✓ NAS Enable Server IP User Name Password Remote Path	FTP Mode 0.0.0.0 anonymity share	NAS Port	21	0~65535
				Sł	ave Refresh

# Figure 3-19 NAS

Please refer to the following sheet for detailed information.

Parameter	Function
NAS enable	Please select network storage protocol (FTP) and then enable NAS function. Current series IP speed dome <b>does not</b> support this function right now.
Server IP	Input remote storage server IP address.
Port	Input Remote storage server port number.
User Name	Log in user account.
Password	The password you need to log in the server.
Remote Path	Remote storage file path.
Save	You can click save button after you complete setup for one channel, or you can complete the whole setups and then click save button.
Refresh	Click this button to get device latest configuration information.

#### NTP

The NTP interface is shown as in Figure 3-20.

Here you can realize network time synchronization. Please enable current function and then input server IP, port number, time zone and time.

Configuration						
Control Panel  QUERY SYSTEM INFO  VERSION  VERS	I Frable Server IP Port Time Zone Update Period	Clock.isc.org 37 GMT+08:00 7	NTP	Minutes	Save	Refresh

Figure 3-20 NTP

Please refer to the following sheet for detail information.

Parameter	Function
Enable	Enable NTP function or not.
Server IP	Server IP address
Port	Server port.
Time Zone	Device current time zone.
Update Interval	Time update interval value.

#### **IP** Filter

You can enable IP filter function so that some specified IP user can access the IP speed dome. See Figure 3-21.

Configuration	-			X
Control Panel  QUERY SYSTEM INFO  VERSION  VERSION  VERSION  COG  SYSTEM CONFIG  SYSTEM CONFIG  FICODE  RS232  NETWORK  ADVANCE  MADVANCE  ADVANCE  ADVANCE  ALARM  RS485  DEFAULT/BACKUP  ADVANCED  ADDITIONAL FUNCTION	Enable White List	IP-FILT	• Black List                 0             :	Add
		Delete	Refresh	Delete

Figure 3-21 IP Filter

### 3.2.6 Alarm

Alarm setup interface is shown as in Figure 3-22.

Configuration					X
🖳 Control Panel 🖃 📝 Query System Info	Event Type	Local Alarm 🔻	LARM ———		
HDD INFO	Alarm In	Input 01	Туре	Normal Open 💌	
System Config  GENERAL  SCHEDULE  S	Period Vormal Out	Set	Anti-dither	0 sec. 0~600	
ALARM     DETECT     PAN/TILT/ZOOM     DEFAULT/BACKUP     DEFAULT/BACKUP     MDVANCED     HDD MANAGEMENT     ABNORMITY     Alarm I/O Config     Record     ACCOUNT     SNAPSHOT     AUTO MAINTENANCE	Latch           Image: Constraint of the second Channel           Record Latch           Image: Constraint of the second Email           Image: Constraint of the second Email	10         sec.         10~300           1	✓ Alarm Upload		
ADDTIONAL FUNCTION	Сору			Save Refresh	

Figure 3-22 Alarm Setup

Pan/Tilt/	Zoom			×
	Event Type Never Preset Auto-Tour Pattern	Addr.		
		OK	Cancel	

Figure 3-23 PTZ Setup

Please refer to the following sheet for detailed information.

Parameter	Function
Event Type	It includes local alarm/network alarm. <sup>z</sup> Local alarm: Device detects alarm from input port. <sup>z</sup> Network: Device detects alarm from network.

Parameter	Function		
Alarm in	Select corresponding alarm channel (ch01 to ch07).		
Enable	You need to draw a circle here so that system can detect the alarm signal.		
Туре	There are two options: normal open and normal close. NO becomes activated in low voltage, NC becomes activated in high voltage.		
Period	z Alarm record function becomes activated in the specified periods.		
	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.</li> <li>You can select all week column to apply to the whole week.</li> </ul>		
	<sup>z</sup> Click OK button, system goes back to alarm setup interface, please click save button to exit.		
Anti-dither	System only memorizes one event during the anti-dither period. The value ranges from 0 to 15s.		
Normal Out	Enable alarm activation function. You need to select alarm output port so that system can activate corresponding alarm device when alarm occurs.		
	Please note different series product may have various alarm output port number.		
Alarm Latch	System can delay the alarm output for specified time after alarm end The value ranges from 10 seconds to 300 seconds.		
Record Channel	System auto activates current channel to record once alarm occurs (working with alarm activation function). Please note current device shall be in auto record mode (Chapter 3.2.3 Schedule).		
Record Latch	System can delay the record for specified time after alarm ended. Th value ranges from 10s to 300s.		
Email	Please draw a circle to enable email function. System can send out email to alert you when alarm occurs and ends.		
Tour	z Display the selected video in local monitor window.		
	Z This function is not available in current device.		
PTZ activation	Here you can set PTZ movement when alarm occurs. Such as go to preset x when there is an alarm.		
	<sup>z</sup> The PTZ configuration events include preset, tour, and pattern.		
Capture	You need to input capture channel number so that system can back snapshot file to the SD card or upload to NAS server when alarm occurs.		
Сору	It is a shortcut menu button. You can copy current channel setup to one or more (all) channels.		

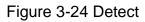
Parameter	Function
Save	You can click save button after you complete setup for one channel, or you can complete the whole setups and then click save button.
Refresh	Click this button to get device latest configuration information.

## 3.2.7 Detect

Analysis the video, system enable motion detection alarm when it detects the motion signal reached the specified sensitivity.

The detection interface is shown as in Figure 3-24.

Configuration	2	DI	ETECT		
Query System Info     VERSION	Event Type	Motion Detect 💌			
HDD INFO	Channel Region	Channel 01 💽 🗖	Sensitivity	3	•
GENERAL GENERAL SCHEDULE R5232	Period	Set	Anti-dither	5 sec.	0~600
	Latch  Record Channel  Record Latch  Send Email  PTZ Activation  Capture	10         sec.         10~300           1	Alarm Upload		
AUTO MAINTENANCE	Сору			Save	Refresh



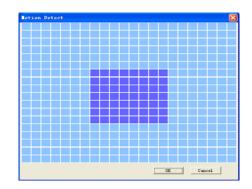


Figure 3-25 Motion Detection Zone Setup

Please refer to the following sheet for detailed information.

Parameter	Function
Event Type	There are three types: Motion detection/video loss/Camera Masking.
Channel	Select channel name from the dropdown list.
Enable	You need to draw a circle 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 3-25. 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 motion detection zone setup.</li> </ul>
Period	<ul> <li>Motion detection 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 15s.
Normal out	<ul> <li>There are two channel alarm output ports.</li> <li>Corresponding to motion detection alarm output port.</li> <li>Enable alarm activation function. You need to select alarm output port so that system can activate corresponding alarm device when alarm occurs.</li> <li>Please note different series product may have various alarm output port number.</li> </ul>
Alarm latch	System can delay the alarm output for specified time after alarm end 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 Chapter 3.2.3 Schedule to set motion detection record period and go to chapter 3.3.3 record to set current period as auto record.
Record latch	System can delay the record for specified time after alarm ended. The value ranges from 10s to 300s.

Parameter	Function
Email	If you enabled this function, System can send out email to alert you when alarm occurs and ends.
Tour	<ul> <li>∠ Display the selected video in local monitor window.</li> <li>This function is not available in current device.</li> </ul>
PTZ Activation	Here you can set PTZ movement when alarm occurs. Such as go to preset x when there is an alarm.
Capture	You need to input capture channel number so that system can backup motion detection snapshot file.
Save	You can click save button after you complete setup for one channel, or you can complete the whole setups and then click save button.
Refresh	Click this button to get device latest configuration information.

# 3.2.8 PTZ

PTZ interface is shown as in Figure 3-26

Please note, before operation please make sure you have set speed dome address and the IP speed dome and speed dome connection is OK.

Configuration						×
🖳 Control Panel			- PAN/TI	LT/200M (-		
Query System Info	Channel	Channel 01	•			
	Protocol	PELCOP	•			
System Config     GENERAL	Address	1	0~255			
	Baudrate	115200	•			
	Data Bits	8	•			
Image: Network     Image: Alarm	Stop Bits	1	•			
	Parity	None	•			
ADVANCED     HDD MANAGEMENT     ABNORMITY     Alarm I/O Config     Config     Alarm Alarm Alarm Alarm Alarm     Alarm Alarm Alarm     Advance     Account     Account     Account     Auto Maintenance     ADDTIONAL FUNCTION						
-	Сору				Save	Refresh

Figure 3-26 PTZ

Please refer to the following sheet for detailed information.

Parameter	Function
Channel	You can select monitor channel from the dropdown list.
Protocol	Select the corresponding dome protocol: DH-SD, PELCO-D, PELCO-P. System can recognize automatically.
Address	Set corresponding dome address. Default value is 1. Please note for IP speed dome, you do not need to input address.
Baud Rate	Select the dome baud rate. The option includes: 1200,2400,4800,9600,19200,38400,57600,115200. Please set as 38400(default) otherwise the PTZ can not control the device.
Data Bit	The option ranges from 5 to 8.
	Please set as 8(default) otherwise the PTZ can not control the device.
Stop bit	The option ranges from 1 to 2. Please set as 1(default) otherwise the PTZ can not control the device.
Parity	The option includes: none/odd/even/space/mark.
	Please set as none (default) otherwise the PTZ can not control the device.
Save	You can click save button after you complete setup for one channel, or you can complete the whole setups and then click save button.
Refresh	Click this button to get device latest configuration information.

## 3.2.9 Default & Backup

Default: Restore factory default setup. You can select corresponding items.

Backup: Export current configuration to local PC or import configuration from current PC. Please refer to Figure 3-27.

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

Configuration		X		
Control Panel		DEFAULT/BACKUP		
Query System Info	Please select setting entries that you want to default.			
HDD INFO	E Select all	Default		
System Config     GENERAL     GENERAL     GENCODE	GENERAL	☐ ENCODE		
	C SCHEDULE	F RS232		
🧰 R5232 III - 🗀 NETWORK				
ALARM	DETECT			
Detect Detect Default/backup		CHANNEL NAME		
ADVANCED     HDD MANAGEMENT     ABNORMITY     ABNORMITY     ABNORMITY     ART I/O Config     Record     ACOUNT     ACCOUNT     AUTO MAINTENANCE     ADDTIONAL FUNCTION	Config Backup Default Path: C:\Docr Export Config	uments and Settings\10881\Desktop\ Import Config		

#### Figure 3-27 Default and Backup

Please refer to the following sheet for detailed information.

ip. n to local PC.
n to local PC.
C to the system. , please make sure the signal type in ith the setup in Main Menu- al Function->Config.
, it

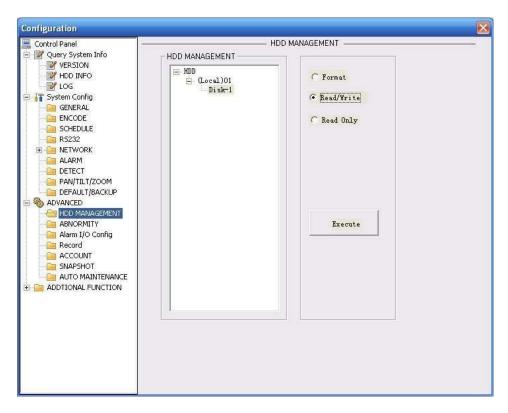
# 3.3 Advanced

### 3.3.1 HDD Management

HDD management includes net storage management and local storage management.

Please note, if you want to use local storage function, your storage device need to support current function.

Please select the storage device first and then you can see the items on your right become valid. You can check the corresponding item here. See Figure 3-28.



## Figure 3-28 HDD Management

Please refer to the following sheet for detailed information.

Parameter	Function
Format	Clear data in the disk.
Read/write	Set current SD card as read/write
Read only	Set current card as read.
Execute	Click this button to save SD card current status.

#### 3.3.2 Alarm I/O

Here you can search alarm output status. See Figure 3-29.

Please note different series product may have various alarm output port number.

Configuration			X
Configuration	Alarm Out	Alarm 1/D Config	Trigger Refresh

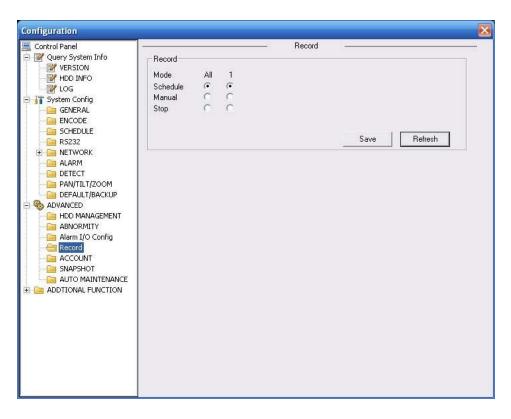
# Figure 3-29 Alarm I/O Configuration

Please refer to the following sheet for detailed information.

Parameter	Function
Alarm output	There are two output channels.
	Please note different series product may have various alarm output port number.
Trigger	Enable/disable alarm output device.
Refresh	Search alarm output status.

## 3.3.3 Record

Record control interface is shown as in Figure 3-30.



### Figure 3-30 Record

Please refer to the following sheet for detailed information.

Parameter	Function
Auto	System enables auto record function as you set in record schedule setup.
Manual	Enable corresponding channel to record no matter what period applied in the record setup.
Stop	Stop current channel record no matter what period applied in the record setup.

### 3.3.4 Account

Here you can add, remove user or modify password. See Figure 3-31.

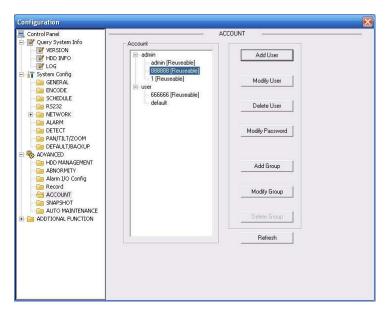


Figure 3-31 Account

### 3.3.5 Auto Maintenance

Here you can select auto reboot and auto delete old files interval from the dropdown list. See Figure 3-32.

Configuration	
Control Panel  Control Panel  Cuery System Info  Cuery System Config  Cuery System Cuery  Cuery System Cuery System   Auto-Reboot System Everyday  Auto-Delete Old Files NEVER	
	SaveRefresh

Figure 3-32 Auto Maintenance

## 3.3.6 Snapshot

Snapshot interface is shown as in Figure 3-33.

Configuration							X
Control Panel  Query System Info  VERSION  Control Panel  System Config  GENERAL  ENCODE  SCHEDULE  RS232  PAN/TILT/ZOOM  DEFAULT/BACKUP  ALARM  DEFTECT  ABNORMITY  ADDIIONAL FUNCTION	Channel Snapshot mode Frame Rate Resolution Quality Snapshot	Channel 01 Snapshot_Timing IF/S QVGA 60% 1800	•	SNAPSHOT	52	ave	Refresh

# Figure 3-33 Snapshot

Please refer to the following sheet for detailed information.

Parameter	Function
Channel	It is the monitor channel.
Snapshot mode	There are two modes: Timing and activation.
Frame rate	You can select from the dropdown list. The value ranges from 1f/s to 8f/s.
Resolution	You can select D1, HD1, CIF and etc from the dropdown list.
Quality	You can select from the dropdown list. Here is for you to set video quality.

# 3.3.7 Abnormity

The abnormity interface is shown as below. See Figure 3-34.

	1.0		ADM	ORMITY		11
🔜 Control Panel	-		- ABN			
E V Query System Info						
VERSION	5	11	11000			
HDD INFO	Event Type	No Disk	▼ □			
LOG						
GENERAL	~					
	22 - 12					
R5232	Normal Out	1				
E NETWORK						
		1		<u>970</u>		
DETECT	Latch	10 sec.	10~300	🦳 Alarm Upload		
PAN/TILT/ZOOM						
DEFAULT/BACKUP						
HDD MANAGEMENT	🔽 Send Email					
- 🔚 Alarm I/O Config						
- Centre Record						
ACCOUNT						
- SNAPSHOT	-					
AUTO MAINTENANCE						
E 📔 ADDTIONAL FUNCTION						
🧰 Config						
Auto Register						
IP Filter						
- 🛅 Talk Encode						
	Copy				Save	Refresh

Figure 3-34 Abnormity-1

Net error interface is shown as below. See Figure 3-35.

Configuration			$\mathbf{X}$
Control Panel Query System Info VERSION HDD INFO G LOG System Config GENERAL GENERAL	Event Type	Net Eiror	
ENCODE      SCHEDULE      SCHEDULE      ALARM      DETECT      PAN/TILT/ZOOM      DEFAULT/BACKUP      ADVANCED      ADVANCED      ABNORMITY      ABNORMITY      ABMORMITY      ABMORMITY      ABMORMITY      ADFAHOT      ACCOUNT      SNAPSHOT      ACCOUNT      SNAPSHOT      ACCOUNT      SNAPSHOT      AUTO MAINTENANCE      ADTIONAL FUNCTION      Config      Auto Register      IP Filter      Talk Encode	<ul> <li>✓ Normal Out</li> <li>Latch</li> <li>✓ Record Channel</li> <li>Record Latch</li> <li>✓ Send Email</li> </ul>	1       10     sec.       1       1       10     sec.       10	
	Сору	Save Refresh	

Figure 3-35 Abnormity-2

Please refer to the following sheet for detailed information.

Parameter	Function
Event Type	The abnormal events include: no disk, no space, disk error, net offline and IP conflict.
	Z Capacity is not sufficient: HDD capacity has reached the threshold.
	$\mathbf{z}$ You need to draw a circle to enable this function.
Normal Out	The corresponding alarm output channel when alarm occurs. There are two channels.
	Please note different series product may have various alarm output port number.
Record channel	System auto activates channel to record once alarm occurs (working with net error type). Please note you need to go to chapter 3.3.3 record to set current period as auto record.
Record latch	System can delay the record for specified time after alarm ended. The value ranges from 10s to 300s.
Latch	The alarm output can delay for the specified time after alarm stops. The value ranges from 10s to 300s.
Send email	If you enable this function, system can send out email to alarm the specified user.

# 3.4 Additional Function

### 3.4.1 Configure

Here you can set camera property parameter. See Figure 3-36.

Please note current series device **does not** support this function.

Configuration		×
Control Panel  Query System Info  VERSION  HDD INFO  KOG  LOG	Channel	1
System Config      GeNERAL      GENERAL      SCHEDULE	Exposure Mode	Disabled
R5232 Biggin NETWORK ALARM DETECT Pany TILT/ZOOM	Night Vision	Color_ON 💌
ADVANCED     HOD MANAGEMENT     ABNORMALITY	BLC	Disabled
Alarm I/O Config Record ACCOUNT	White Balance	Disabled
SINAPSHOT	Signal Format	720p 🔹
Auto Register  Auto Register  Preferred DNS  DI Filter  Talk Encode	Mirror	☐ Flip
- Turchood	Save	Refresh

Figure 3-36 Configure

Please refer to the following sheet for detail information.

Parameter	Function
Channel	Monitor channel 1
Night setup	It is valid in night mode.
	It is to set camera night setup information: bright, reference level, exposure mode, scene mode, gain or not.
	Please note current series ITC <b>does not</b> support this function.
Exposure Mode	The option includes: auto/manual. The manual exposure time includes: $1/50 \sim 1/10000$ . Support customized value.
Day/Night Mode	The option includes: color/auto/black and white.
Signal Type	The video input mode: INT.
Scene Mode	You can select the different scene mode such as auto, sunny, indoor, office, night, disable and etc to adjust the video to the best quality.
Mirror	It is to change the video left/right position. Please note current series ITC <b>does not</b> support this function.

Flip	It is to change the video up/down position. Please note current series ITC <b>does not</b> support this function.
Light Mode	The light working mode includes: Close: Disable the light function. Always: The light function is always on. Auto: The device auto enables the light according to the environment situation.
Bright Value	It is to set flashing light enable and disable threshold. Please note current series ITC <b>does not</b> support this function.
Light Trigger	The light activation light. Right now system supports low level only.

# 3.4.2 Auto Register

Auto register interface is shown as below. See Figure 3-37.

Configuration	
Control Panel  Cuery System Info  VERSION  HDD INFO	
LOG System Config GENERAL	I Enable
- ENCODE - CHEDULE - ERS232	No. 1
	IP 0.0.0
	Port
ABNORMITY Alarm I/O Config Alarm I/O Config Alarm I/O Config Account Account Account Account Autro Maintenance Autro Maintenance ADTIONAL Function Config	Device ID Dahua
Auto Register	Save Refresh

Figure 3-37 Auto Register

Please refer to the following sheet for detailed information.

Parameter	Function
Enable	Enable auto register function.

No.	Device management server number.
IP	Device management server IP address.
Port	Server port number.
Device ID	Device ID in the device management server.

# 3.4.3 Talk Encode

Here you can set AMR audio compression bit rate. It includes: PCM, G711a (default), G711u.See Figure 3-38.

Constant and the second				
Configuration				×
Control Panel  Curry System Info  Curry System Info  Curry System Config  System Config  System Config  Curry System Config  System Config  Curry System Curry System Curry Curry System Curry S	Talk Encode	G711a	×	
Comig Nuclo Register DNS IP Filter Tall: Encode		Save	Refresh	

Figure 3-38 Talk Encode

# 3.4.4 DNS

Here you can set server or local operator DNS address. See Figure 3-39.

Configuration		X
Control Panel  Query System Info  Version Version Void Config  System Config  System Config  System Config  System Config  System Config  System Config  ALARM  DETECT  ALARM  DETECT  ALARM  DETECT  ALARM  ADVANCED	Preferred DNS         202 . 101 . 172 . 35           Alternate DNS         202 . 101 . 172 . 35	
- Colling - Colling 2003 - Colling 2005 - Colling 2	Save Refresh	

Figure 3-39 DNS

# 4 Search

Click search button, you can see an interface is shown as in Figure 4-1.

Please select record playback mode, and then select start time, end time and channel. Then please click search button, you can see the corresponding files in the list.

Select the file(s) you want to download and then click download button, system pops up a dialogue box shown as in Figure 4-2, then you can specify file name and path to download the file(s) to your local pc. Click Ok to complete the download procedure.

Туре	Parameter					Operation
C Record	Begin Time	2009- 8- 3	•	14:27:21	÷	Search Playback
C Alarm	End Time	2009- 8- 6	•	14:27:21	-	Download Type File 💌
Contract	Channel	1	•			Download
C Picture						Open Local Record
C Card				1 2 2 22	. 1	Watermark
5/N File Si ☐1 9541	and a second second second	Name 10.5.82_ch1_20	090806	Earliest Re	File	Path RecordDownload\1
and a second	and a second second second	and a start of the second	090806		File	Path
and the second sec	and a second second second	10.5.82_ch1_20	090806	5_143711.dav	File	Path

Figure 4-1 Search Main Interface

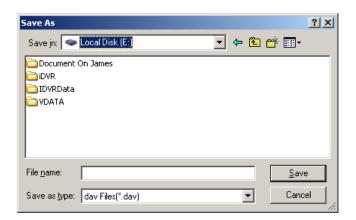


Figure 4-2 Save as

Vatermark			X
Verify Watermark Infe	Stop		
Watermark Re	vised Time	Position	

Figure 4-3 Watermark

Please refer to the following sheet for detailed information.

Туре	Parameter	Function
Туре	Record	Search general record, alarm record and motion
		detection record.
	Alarm	Search alarm record.
	Motion	Search motion detection record.
	Detection	
	Local	Search local record.
	Picture	Search snapshot file.
	Card	This function is not available in current device.
Item	Start time	Set the file start time.
	End time	Set the file end time.
	Channel	Select the channel from the dropdown list.

Туре	Parameter	Function
Operation	Search	Click this button you can view the recorded file matched your requirements.
	Playback	Select the file first and then click playback button to view the video.
	Download	Download by file: Select the file(s) and then click
	type	download button.
		Download by time: Download the recorded file(s) within your specified period.
	Download	Select the file you need (multiple choices) and then click download button, you can see system pops up a dialogue box.
		Input the downloaded file name, specify the path and then click OK button. You can see system begins download and the download becomes stop button. There is a progress bar for your reference.
	Open local record	Select local record to play.
	Watermark	Please note, you need to go to chapter 3.2.2 Encode to enable watermark function first.
		Click watermark button, system pops up a dialogue box shown as in Figure 4-3. Default watermark character is DigitalCCTV.
		Click local file you can select the recorded file. Then you can click verify button to check file is original or not.
Emphasize	all	You can draw a circle to check the selected file as important in case these files are overwritten.
		You can select the important file one by one, or you can check this option to select all files.

During the playback process, you can see there are control buttons such as play, pause, stop. slow play and fast play in the play process bar. You can view current playback file channel name, time and data statistics.

# 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.

	n	Alarm I Lister	d Pop-up	and the second
Time	Device ID	Event Type	Alarm Port/Channel	

# Figure 5-1 Alarm

Please refer to the following sheet for detailed information.

Туре	Parameter	Function		
Alarm	Video loss	System alarms when video loss occurs.		
Туре	Motion detection	System alarms when motion detection alarm		
		occurs,		
	Disk full	System alarms when disk is full.		
	Disk error	System alarms when disk error occurs.		
	Camera	System alarms when camera is viciously masking.		
	masking			
	Encode alarm	System alarms when peripheral device alarms.		
	External alarm	Alarm input device sends out alarm.		
Operation	Listening alarm	System notifies web when alarm occurs (you select		
		from the above event type), and then web can		
	\ /: I	notify user.		
	Video	When alarm occurs, system auto enables video		
		monitor. This function only applies to video		
		detection alarm (motion detection, video loss and		
		camera masking).		
		This function is not valid in external alarm mode.		

Туре	Parameter	Function
	Prompt	Automatically pops up alarm dialogue box.
	Sound pop up	System sends out alarm sound when alarm occurs. You can specify as you wish.
	Path	Here you can specify alarm sound file.

# 6 About

Click about button, you can view current web client information. See Figure 6-1.

About			$\mathbf{X}$
	Webrec Control,	Version: 2.1.7.13	
	NETSDK,	Version: 3.3.4.0	
	PLAYSDK,	Version: 3.24.1.908	
	Copyri	ght (C) 2008	

Figure 6-1

# 7 Log out

Click log out button, system goes back to log in interface. See Figure 7-1.

🖉 WEBservice - Windows Internet Explorer			- 7 🛛
(3) - E http://10.10.3.16/		<ul> <li>✓ +→ × 携援</li> </ul>	P -
👾 🏟 🍘 WEBservice		🏠 🔹 🔝 🕘 🖶 🕞 Page 🗸	🍈 Tools 🔹 🔞 🕶
	User Name: Password: Login		
Done		🧊 🌍 Internet	🔍 100% 🔹

Figure 7-1

# 8 Appendix No-IP DDNS

Please double click DDNS to go to the configuration interface. You can see an interface is shown as in

Figure 8-1.

DDNS Type		DDNS	
	CN99 DDNS	Enable	
Server IP	www.yahoo.com		
Port	5050	1~65535	
Domain Name	www.yahoo.com		
Jser Name	anonymity		
Password	****		
Alive Interval(sec.)	30	1~30000	
			Save Refresh
	Domain Name Jser Name Password	Domain Name www.yahoo.com Jser Name anonymity Password xxxxx	Domain Name www.yahoo.com Jser Name anonymity Password asses

Figure 8-1

- y DDNS Type: You can select from the dropdown list. There are five options: No-IP, DynDNS, CN99, Private and Oray.
- y Server IP: You can use ping command to get server's IP
- y Port: input server port here.
- y Domain Name: Get the domain name you get from your DDNS service provider.
- y User: Get the user name you get from your DDNS service provider.
- y Password: Enter corresponding password.

Highlight the icon in front of Enable to enable the DDNS server configuration.

It's a system of dynamic DNS service. If you do not have a Static IP address on the Internet, you need to have a dynamic IP. It is to say your IP address changes after a certain period of time.

You can follow the steps listed below to display image on your device even your IP is dynamic. You need to use a DDNS service and create a domain name that is not necessarily direct use the IP address.

After completed configuration in the device DDNS service can constantly inform the latest device's connection IP, and modify its IP on the table of data from the server. Then we have a constant domain name in the Web browser, along with the HTTP port, send a request to identify the car IP of the domain name typed. The server will direct the domain name to the IP connection, thus allowing access to the device which does not have a fixed IP in the network.

**Note:** It is important to note that to gain access to the device in a local network, it is necessary to achieve the redirect the port of your modem or router to your device.

To receive domain name in the No-IP DDNS service, please follow the steps listed below.

1. Please visit <u>www.no-ip.com</u>; the page of No-IP appears as below. See Figure 8-2.



Figure 8-2

2. Left click mouse on the "Create Account" button, account Information interface is shown as in Figure 8-3.

The DNS Service Provider	Home Dow	/nload Servic	es Support	Company
No-IP is Free, Sign up No	w!			
ome » <u>Free StanUp</u>				
Create Your No-IP Account				-
you already have an account then you can (sign in here)				
Sa Account Information:				
Email:				
Password:	[			
Confirm Password:				
(i) About You:				
First Name:				
Last Name:				
How did you hear about us?:	- Select One -			
Zip/Postal Code:				

Figure 8-3

3. Fill in the requested fields and click I Accept button. Then you can get an email containing username and password.

You can use this account to access the service.

4. Open the e-mail sent by trusted rmação No-IP and double-click the link that is below the phrase "To activate your account please click the following URL:" in the body of the email. See Figure 8-4.

Congratulations, the No-IP account 'henrique@intelbras.com.br' has been created. To activate your account please click on the activation URL below. No-IP's basic dynamic DNS service is free, made possible by our paid services. If you are interested in dynamic DNS for your own domain please consider our No-IP Plus service. For more information about our paid services visit <u>http://www.no-ip.com/services</u> . To activate your account please click the following URL: <u>http://www.no-ip.com/activate?lid=e6aecf8ecc3ad8a</u> Remember that you can use our dynamic update client to automatically update your host when your dynamic IP address changes. You can download the client at <u>http://www.no-ip.com/faq.php</u> and guides section at <u>http://www.no-ip.com/guides.php</u> . If you still have questions contact support by opening a trouble ticket at <u>http://www.no-ip.com/ticket/</u> . Thank you for choosing No-IP.com	Assunto: No-IP.com Activation	
<pre>please click on the activation URL below. No-IP's basic dynamic DNS service is free, made possible by our paid services. If you are interested in dynamic DNS for your own domain please consider our No-IP Plus service. For more information about our paid services visit <u>http://www.no-ip.com/services</u>. To activate your account please click the following URL: <u>http://www.no-ip.com/activate?lid=e6aecf8ecc3ada8a</u> Remember that you can use our dynamic update client to automatically update your host when your dynamic IP address changes. You can download the client at <u>http://www.no-ip.com/downloads.php</u>. If you have any further questions, please refer to our FAQ at <u>http://www.no-ip.com/faq.php</u> and guides section at <u>http://www.no-ip.com/guides.php</u>. If you still have questions contact support by opening a trouble ticket at <u>http://www.no-ip.com/ticket/</u>.</pre>		-
<pre>dynamic DNS for your own domain please consider our No-IP Plus service. For more information about our paid services visit <u>http://www.no-ip.com/services</u>. To activate your account please click the following URL: <u>http://www.no-ip.com/activate?lid=e6aecf8ecc3ada8a</u> Remember that you can use our dynamic update client to automatically update your host when your dynamic IP address changes. You can download the client at <u>http://www.no-ip.com/downloads.php</u>. If you have any further questions, please refer to our FAQ at <u>http://www.no-ip.com/faq.php</u> and guides section at <u>http://www.no-ip.com/guides.php</u>. If you still have questions contact support by opening a trouble ticket at <u>http://www.no-ip.com/ticket/</u>.</pre>		
http://www.no-ip.com/activate?lid=e6aecf8ecc3ada8a Remember that you can use our dynamic update client to automatically update your host when your dynamic IP address changes. You can download the client at <a href="http://www.no-ip.com/downloads.php">http://www.no-ip.com/downloads.php</a> . If you have any further questions, please refer to our FAQ at <a href="http://www.no-ip.com/faq.php">http://www.no-ip.com/faq.php</a> and guides section at <a href="http://www.no-ip.com/guides.php">http://www.no-ip.com/faq.php</a> and guides section at <a href="http://www.no-ip.com/guides.php">http://www.no-ip.com/guides.php</a> .	dynamic DNS for your own domain please consider our No-IP Plus service. For more information about our paid	
address changes. You can download the client at <a href="http://www.no-ip.com/downloads.php">http://www.no-ip.com/downloads.php</a> . If you have any further questions, please refer to our FAQ at <a href="http://www.no-ip.com/faq.php">http://www.no-ip.com/faq.php</a> and guides section at <a href="http://www.no-ip.com/guides.php">http://www.no-ip.com/faq.php</a> and guides section at <a href="http://www.no-ip.com/guides.php">http://www.no-ip.com/downloads.php</a> .		
at <pre>http://www.no-ip.com/guides.php. If you still have questions contact support by opening a trouble ticket at http://www.no-ip.com/ticket/ .</pre>		111
Thank you for choosing No-IP.com	at http://www.no-ip.com/guides.php. If you still have questions contact support by opening a trouble ticket at	
	Thank you for choosing No-IP.com	
		-

Figure 8-4

5. Now you can see an interface is shown as in Figure 8-5. You have successfully created an account.



Figure 8-5

6. In Figure 8-5, click to sign and enter the email address and password you get earlier. Click "login" to sign up, you can

see the welcome interface and configuration option of account. See Figure 8-6. You can highlight manage host item.



Figure 8-6

 The Manage Hosts interface is shown as in Figure 8-7. Click the Add Host button you can access the creation of a domain name.



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8. In Figure 8-8, input corresponding host name in the filed. You can use this name to access device from an external network. In the field to the right of the name, select the desired area. This is your domain name for access to the device. Click "Create Host" button at the bottom of the page.

			0	Return t	o No-IP.com	Your No-IP   Account   S	upport   Log Out
( <b>I</b> ) nc	D D		Lo	gged in	as:		
The DNS S	Service Provider						
Hosts/Redirects	Plus Managed DNS	Domain Registration	SSL Certificates	Mail	Monitoring	Squared Backup DNS	Renew/Activate
Hosts/Redirects							
+ Add Host		dd a host					
<ul> <li>Manage Hosts</li> </ul>	Fill out the fol	owing fields to configure	vour bost Afler vou a	re done	click 'Create Ho	st to add your host	
+ Manage Groups	The out and the	oming neros to comigare	. jour noor i ner jou a	ie done	chen oregie rie	or to day your nose	
Download Client     Upgrade to Enhance	in d	omain name?					
· opgrade to Enhance	Use your ov	n domain name with ou	r DNS system. Add yc	ur doma	sin name now o	r read more for pricing and	features.
Need redundan		Information					
for your mail se		ostname:			no-ip biz		• 0
Click here for more i		ost Type: O DNS H	ost (A) 🔘 DNS Hos	t (Round		NS Allas (CNAME)	0
24/7 Server Monit					ritually o bi	(or value)	
and Failover		© Port 80	Redirect 🔘 Web R	edirect			
Click here for more i		Address:					0
2 Need Help	? Assign	to Group: - No Group -	6		- 🛛 Configu	ire Groups	0
+ Support Center	Enable	Wildcard: Wildcards a	re a Plus / Enhanced	feature.	Upgrade Now!		0
<ul> <li>Basic Troublesho Guide</li> </ul>	oting						
Support Ticket	Accent I	Nail for your Domain					
		the dirty work. Setup PC	OP or forwarding for yo	urname	È.		
	Mail Option	15					
	MX Reco	rd		MX P	riority		
	Enter the n	ame of your external ma	il exchangers (mx rec	ords) as	hostnames no	IP addresses.	
				5	•		0
	If you woul	d like a more MX records	, please upgrade to t	Io-IP Plu	s or Enhanced		
						Revert	Create Host

Figure 8-8

9. Now you can see an interface is shown as in Figure 8-9. Here you can view domain name and the computer's current IP setup. If you already have a domain name equal to gurado trusted, you must define another name for the host.

Image: Doc: Dispective       Logged in as:         Rosts/Redirects       Plus Managed DNS       Domain Registration       SSL Certificates       Mail       Monitoring       Squared Backup DNS       Renew/Activate         I Hosts/Redirects       Image: Hosts       Image: Hosts<			C C	Return to No-IP.com	Your No-IP   Account	Support   Log Out
Hosts/Redirects       Plus Managed DNS       Domain Registration       SSL Certificates       Mail       Monitoring       Squared Backup DNS       Renew/Activate         C       Hosts/Redirects <ul> <li>Manage Hosts</li> <li>Manage Flosts</li> <li>Manage Groups</li> <li>Download Client</li> <li>Upgrade to Enhanced</li> </ul> <ul> <li>Meet redundancy for your mail server?</li> <li>Click here for more info</li> </ul> Most SB Domain no.ip.biz vd16s480st.no-ip.biz	<b>I'mo</b> il	0		Logged in as:		
	The DNS Service Pr	ovider				
Add Host Manage Hosts Manage Hosts Manage Groups Download Client Upgrade to Enhanced Current Hosts: 1 of 5 Need More Hosts? Enhance Your Account! Upgrade Now!  Need redundancy for your mail server? Click here for more info	Hosts/Redirects   Plus Ma	naged DNS Domain Registration	SSL Certificates	I Mail I Monitorii	ig Squared Backup D	NS Renew/Activate
Add Host  Image Hosts  Manage Hosts  Manage Groups  Download Client  Upgrade to Enhanced  Current Hosts: 1 of 5 Need More Hosts? Enhance Your Account!  Upgrade Now!  Most Host IP/URL Action  Click here for more info  no-ip.biz vd16s480st.no-ip.biz 200.200.200.198  Modify  Remove	Hosts/Redirects	Manage Host	te			
Manage Groups     Download Client     Upgrade to Enhanced     Current Hosts: 1 of 5 Need More Hosts? Enhance Your Account!     Upgrade Now!     Host IP/URL Action     Most By Domain     no.ip.biz     viti6s480st.no-ip.biz     200.200.200.198     Modify & Remove	+ Add Host	a Manage 1105	15			
Download Client     Upgrade to Enhanced     Current Hosts: 1 of 5 Need More Hosts? Enhance Your Account:     Upgrade Now!     Host IP/URL Action     Click here for more info     Toryour mail server?     Click here for more info     Toryour mail server?     Click here for more info	<ul> <li>Manage Hosts</li> </ul>					
Download Client     Upgrade to Enhanced     Current Hosts: 1 of 5 Need More Hosts? Enhance Your Account!     Upgrade Now!     IP/URL Action     Most By Domain     no-ip.biz     vd16s480stno-ip.biz     200.200.200.198     Modify & Remove	+ Manage Groups	Host vd16s480st.no-ip.biz c	reated			
Need redundancy for your mail server?     IP/URL     Action       Qick here for more info     Host     IP/URL     Action       Qick here for more info     IP/URL     Action       Vides 480st.no-ip.biz     200.200.200.198     IP/ Modify	<ul> <li>Download Client</li> </ul>	•				
Need redundancy for your mail server?     Host     IP/URL     Action       Click here for more info and Failover Click here for more info     IP/URL     Action       vit16s480stno-ip.biz     200.200.200.198     Vit0s480stno-ip.biz	<ul> <li>Upgrade to Enhanced</li> </ul>					
Inst     IP/URL     Action       Click here for more info     Image: Action     Image: Action       24/7 Server Monitoring and Failover     noip.biz     Image: Action       Click here for more info     Image: Action     Image: Action		Current Hosts: 1 of 5 Need More	e Hosts? Enhan	ce Your Account		Upgrade Now!
Click here for more info     Note     Action       247 Server Monitoring and Failover     no-ip.biz     200.200.200.198     Modify     K Remove		7			2.3	
24/7 Sever Monitoring and Failover     no-ip.biz       Vd16s480stno-ip.biz     200.200.200.198		Host		IP/URL	Action	
vd16s480st.no-jp.biz 200.200.200.198 2 Modify & Remove	Click here for more info	Hosts By Domain				
Click here for more info		no-ip.biz				
		vd16s480st.no-ip.biz		200.200.200.198	Modify Kemove	

Figure 8-9

10. Now you need to define the definition of the server's IP in IP-device able to access this service DDNS. To get DDNS service, you need to have a computer connected to the Internet on the same network with device. Then please type the command dynupdate. no ping-ip.com at the command prompt, Windows ®. The server's IP will be displayed on the screen. See Figure 8-10. Your device can use this IP to find the No-IP server.

)isparando	dynupdate.no-ip.co	m [204.16.252.79] com 32 bytes de dados:
lesposta de lesposta de	204.16.252.79: by 204.16.252.79: by	ites=32 tempo=309ms TTL=235 ites=32 tempo=318ms TTL=235 ites=32 tempo=304ms TTL=235 ites=32 tempo=329ms TTL=235
	s do Ping para 204 : Enviados = 4, Re perda),	1.16.252.79: cebidos = 4, Perdidos = 0 (0% de
		le vezes em milissegundos: 329ms, Média = 315ms
::\>_		

Figure 8-10

- 11. Please go to the device and access the MAIN MENU> SETTING> NETWORK> DDNS. Input server IP you get in the above step. Select the DDNS Type as No-IP DDNS and highlight the icon in front of Enable to enable the DDNS function. Now fill the fields as described below, and click OK to save current setup.
  - Server IP: Enter the IP noted in step 10.
  - Port: Enter the port 80.

- Domain Name: Enter the domain name created in step 8.
- User: Enter your username (email address) created in step 3.
- Password: Enter the password created in step 3.
- **12.** Now you have completed device setup. Open Internet Explorer ® in another foreign network with Internet access, unlike the network where the device is connected to, you need to follow the steps listed below:
  - 1. Enter the address into your browser: http://nome the field created in step 8. For example: http://vd16s480st.no-

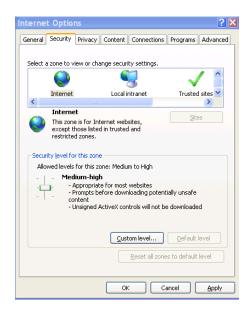
#### <u>ip.biz</u>

2. If the device HTTP port is 80, just type the domain name. Otherwise, enter in the browser address as: http://nome the field created in Step 8: port number of HTTP. For example:

#### http://vd16s480st.no-ip.biz:9090

3. Press Enter. The system will ask install application webrec.cab control or not. Please click Yes to perform a successful connection.

4. If the page does not appear on the computer screen, you need to lower your system safety setup. From Tools>
Internet Options> Security, select Internet and then click Custom Level, you can enable ActiveX controls. See Figure
8-11. Then open your browser and re-enter the domain name of the device.



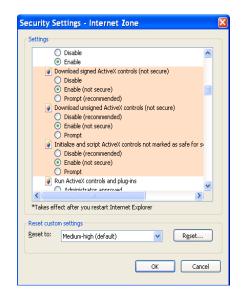


Figure 8-11

Note:

- z This manual is for reference only. Slight difference may be found in the user interface.
- z All the designs and software here are subject to change without prior written notice.
- z If there is any uncertainty or controversy, please refer to the final explanation of us.
- z Please visit our website or contact your local retailer for more information.