ICA-106M3(W) Web Operation Manual

Table of Contents

1	Netwo	rk Connection	4
2	Main I	nterface Introduction	5
	2.1	Log in	5
	2.2	Monitor Channel Menu Tree	8
	2.3	System Menu	10
	2.4	Monitor Window Switch	10
	2.5	Preview Window Switch	11
	2.6	PTZ Control	11
	2.7	Color and More Setup	14
3	Config	ure	16
	3.1	System Information	16
	3	3.1.1 Version Information	16
	3	1.2 HDD information	16
	3	.1.3 Log	17
	3.2	System Configuration	18
	3	3.2.1 General Setup	
	3	2.2.2 Encode	
	3	2.3 Schedule	23
	3	.2.4 RS232	
	3	2.5 Network	
	3	2.6 Alarm	
	3	2.7 Detect	
	3	0.2.8 PTZ	
	3	3.2.9 Default & Backup	

	3.3	Adv	vanced	40
		3.3.1	HDD Management	40
		3.3.2	Alarm I/O	41
		3.3.3	Record	41
		3.3.4	Account	42
		3.3.5	Auto Maintenance	43
		3.3.6	Snapshot	44
		3.3.7	Abnormity	44
	3.4	Ado	ditional Function	46
		3.4.1	Configure	46
		3.4.2	Auto Register	48
		3.4.3	Talk Encode	48
4	Sear	ch		50
5	Alarr	n		53
6	Abou	ut		55
7	Log	out		56
8	Appe	endix N	Io-IP DDNS	57

1 Network Connection

This series XL-ICA-106M3(W) product support the Web access and management via PC.

Web includes several modules: monitor channel list, record search, alarm setup, system configuration, PTZ control, monitor window and etc.

IP camera factory default setup:

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

Please follow the steps listed below for network connection.

Make sure the XL-ICA-106M3(W) has connected to the network properly.

XL-ICA-106M3(W) IP address and PC IP address shall be in the same network segment. XL-ICA-106M3(W) default IP address is

192.168.1.108. 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 XL-ICA-106M3(W) IP address in the address column. For example, if your IP camera is 192.168.1.108, then please input http:// 192.168.1.108 in IE address column. See Figure 2-1

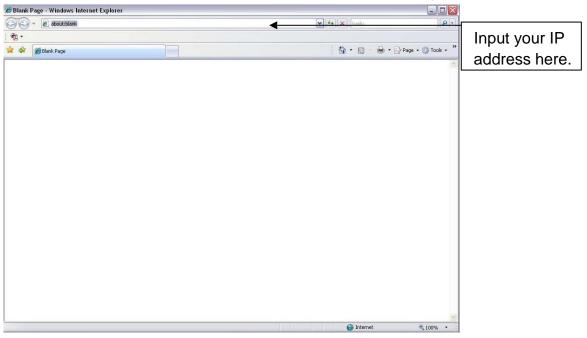


Figure 2-1

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.	Enable
	Download signed ActiveX controls (not secure) Disable
Internet Local intranet Trusted sites 🚩	Enable (not secure)
Internet Sites Internet Internet Internet Internet	 Prompt (recommended) Download unsigned ActiveX controls (not secure) Disable (recommended) Enable (not secure) Prompt Initialize and script ActiveX controls not marked as safe for secure) Disable (recommended) Enable (not secure) Prompt Enable (not secure) Prompt Run ActiveX controls and plug-ins
- Content - Unsigned ActiveX controls will not be downloaded	Administrator approved *Takes effect after you restart Internet Explorer
Custom level Default level Reset all zones to default level	Reset custom settings Reset to: Medium-high (default) Reset
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.

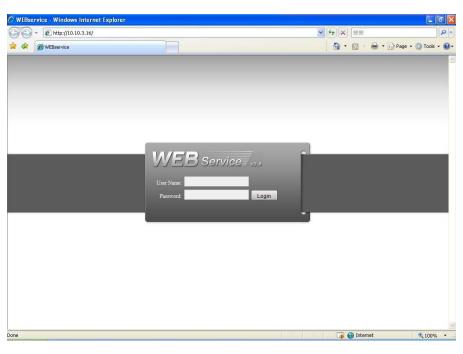


Figure 2-3

After you logged in, XL-ICA-106M3(W) web main interface is shown as in Figure 2-4.

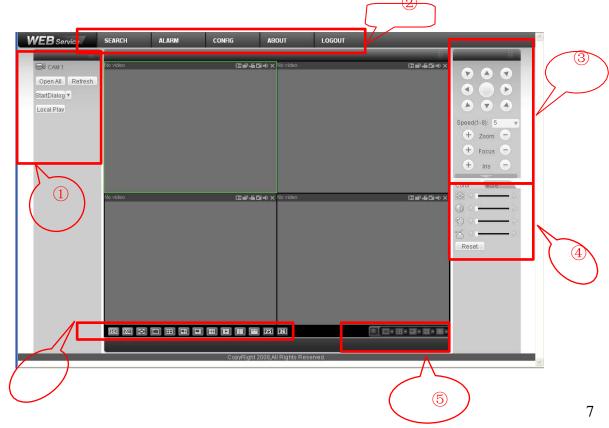


Figure 2-4 Web Main Interface

There are six sections:

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

2.2 Monitor Channel Menu Tree

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

🕞 CAM 1	
Open All	Refresh
StartDialog	2
Local Play	

Figure 2-5 Monitor Channel Menu Tree

Parameter	Function
Channel 1	Monitor channel 1
	 XL-ICA-106M3(W) supports main stream and extra stream. Main stream: In normal network width environment, main stream can record video and audio and realize network monitor. Extra stream: If network width is not sufficient, you can use extra stream to realize network monitor. Please note the extra stream resolution shall be less than main stream resolution.
Open all /close	Click this button to open all video channels.
ali	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), PCM and etc
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.

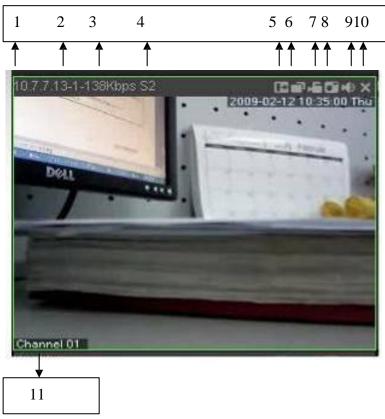


Figure 2-6 Real-time Monitor

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

SN	Parameter	Function	
1-4	Display device information	 1: XL-ICA-106M3(W) IP address. 2: Channel number. 3: Bit stream. 4: Stream decode type. S1: Overlay. S2: Off stream. S3:GD1 H1: Overlay H2: off stream decoding from the display card. 	
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	Resize or switch to full screen mode.	

7	Local 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 chapter 2.7 to modify the local record save path. The playback bar is shown as below. 1 playback bar is shown as below. 1 Playback process control 2 Play 3 Pause 4 Stop	
		5- Slow play	
		6- Fast play	
		Please note, once you selected window is in real-time monitor mode, system automatically switches to playback the video by default.	
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.(It has no relationship with system audio setup)	
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.



Figure 2-8 Monitor Window Switch

Here you can select 1/4/6/8/9/13/16/20/25/36-window real-time preview. Current series XL-ICA-106M3(W) support 1-window and full-screen display mode.

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

.....The original image size in the webpage.

2.5 Preview Window Switch

The preview window switch interface is shown as in Figure 2-9. XL-ICA-106M3(W) series products **do not** support this function.

Figure 2-9 Preview Window Switch

2.6 PTZ Control

Important

XL-ICA-106M3(W) series products do not support PTZ control function.

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, and PTZ setup button.

Please note: open menu/close menu/up/down/left/right/confirm/cancel buttons are for speed dome only.

- 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.

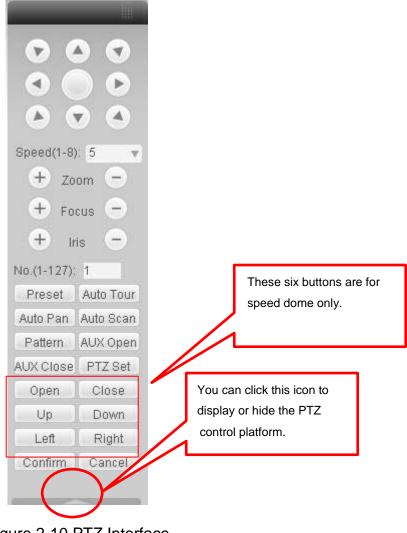


Figure 2-10 PTZ Interface

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	 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 0 to 7. (It may vary due to different protocols.)
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.
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.

Parameter	Function
Matrix	Please select the matrix X, and then input the corresponding monitor output number, video input channel number, then you can click video switch button to complete the operation.

2.7 Color and More Setup

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

Color	More	
総合		- 🖻
$\bigcirc 4$		- >
(*)		- >
25 <1		- 1>
Reset		

Figure 2-12 Color

Param	eter	Function	
Video setup		It is to adjust monitor video brightness.	Note: – All the operations here
		It is to adjust monitor video contrast ness.	apply to WEB end only. – Please go to chapter
	•	It is to adjust monitor video saturation.	3.2.2 System configuration->Encode setup->color setting to
	3	It is to adjust monitor video hue.	adjust corresponding system items.

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

Param	neter	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.

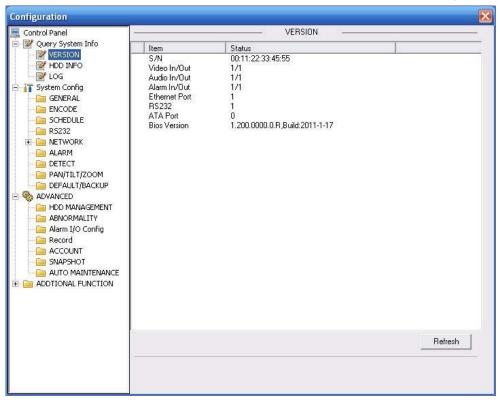


Figure 3-1 Version Information

3.1.2 HDD information

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

🔜 Control Panel		HDD	INF0	
E W Query System Info	S/N	HDD Status	Free/Total Space	
VERSION VERSI	5/N Total Local)HDD-1 Disk-1	- Working	0/96088 0/96088	Refresh

Figure 3-2 HDD Information

3.1.3 Log

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

Control Panel			- LOG	(
📝 Query System Info	Search	Clear Bac	skup	Туре	All	-
VERSION				.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1.07	
HDD INFO	S/N	Log Time	Event			^
- VI LOG	000001	2009-07-29 10:01:00		t Down, Time: 2009-0	07-29 9:57:5	
T System Config	000002	2009-07-29 10:01:00	Abnormal Re			
GENERAL	000003	2009-07-29 10:01:08		g: Config Info		=
ENCODE	000004	2009-07-29 10:01:08		g: Config Info		
SCHEDULE	000005	2009-07-29 10:01:08	Export Config			
R5232	000006	2009-07-29 10:01:19	User Login: 4			
Contraction of the Contract of the	000007	2009-07-29 10:01:54		g: Config Info		
	000008	2009-07-29 10:01:54		g: Config Info		
Ciana Alarm	000009	2009-07-29 10:02:03	IP Conflicted			
DETECT	000010	2009-07-29 10:11:14		Down, Time: 2009-0	J7-29 10:7:18	
PAN/TILT/ZOOM		2009-07-29 10:11:14	Abnormal Re			
DEFAULT/BACKUP	000012	2009-07-29 10:12:17 2009-07-29 10:12:25	IP Conflicted			
ADVANCED	000013	2009-07-29 10:12:25	User Login:	admin t Down, Time: 2009-0	2 20 10 14 20	
HDD MANAGEMENT	000014	2009-07-29 10:18:19	Abnormal Be		J7-23 10:14:26	
	000016	2009-07-29 10:18:19	IP Conflicted			
Alarm I/O Config	000018	2009-07-29 10:19:52	User Login: 4			
	000017	2009-07-29 10:21:01		aamin g: Config Info		
- E Record	000019	2009-07-29 10:21:37		a: Config Info		
- CCOUNT	000020	2009-07-29 10:21:45		g: Config Info		
SNAPSHOT	000020	2009-07-29 10:22:56		g: Config Info		
- AUTO MAINTENANCE	000021	2009-07-29 10:22:06		g: Config Info		
ADDTIONAL FUNCTION	000022	2009-07-29 13:31:10		t Down, Time: 2009-0	17.29 10:27:20	
	000024	2009-07-29 13:31:10	Abnormal Be		51-25-10.21.20	
	000025	2009-07-29 13:32:13	IP Conflicted			
	000026	2009-07-29 13:33:25	User Login: 4			
	000027	2009-07-29 13:33:25	User Logout			
	000028	2009-07-29 13:33:44	Export Confi			
	000029	2009-07-29 13:34:05	IP Conflicted			\sim
				che contract de la co		

Figure 3-3 Log

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

Save As	28
Save in: Desktop	▼ 🖬 🏜 🔹 💌
Hy Documents My Computer My Network Places	
File <u>n</u> ame:	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 -		GENERA	Ľ (
Query System Info	System Time	2011- 1-17 💌	15:32:19 🕂 Sav	e Sync PC
HDD INFO LOG LOG GENERAL GENERAL GENERAL SCHEDULE SCHEDULE ALARM DETECT PAN/TILT/ZOOM DEFAULT/BACKUP ADANAGEMENT ABNORMALITY ABNORMALITY ABNORMALITY ABNORMALITY ABNORMALITY ADDTIONAL FUNCTION	Date Format Date Separator Time Format Language HDD Full Pack Duration Device No. Video Standard	YYYY MM DD '' 24HOUR ENGLISH Overwrite 60 8 PAL	Default	Set

Figure 3-5 General Setup

DST	\mathbf{X}
	⊂ Week day Hour Min.
2009- 6- 2 💌	0 - 0 -
2009- 9- 2 💌	
ОК	Cancel
Figure	3-6 DST
DST	\mathbf{X}
Month Week Weel	● Week day k day Hour Min. ▼ 0 ▼ 0 ▼
9 🕶 1 💌 Wed	• 0 • 0 •
OK	Cancel

Figure 3-7 DST

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.
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 XL-ICA-106M3(W) does not support this
Video Standard	This is to display video standard such as PAL.

3.2.2 Encode

Encode interface is shown as in Figure 3-8.

Control Panel	2 			ENCODE —		
Query System Info	Channel	Channel 01	-	CHANNEL NAME	Channel 01	
HDD INFO	Compression	H264	•			
System Config	Main Stream	Main Stream	-	Extra Stream	Main Stream	<u> </u>
GENERAL	Video/Audio	🔽 Video 🗖 🖌	Audio	Video/Audio	🔽 Video ∣	Audio
	Resolution	1080	-	Resolution	CIF	-
- E R5232	Frame Rate(FPS)	25	-	Frame Rate(FPS)	15	<u>_</u>
ALARM DETECT	Bit Rate Type	CBR	•	Bit Rate Type	CBR	-
PAN/TILT/ZOOM	Bit Rate(Kb/s)	8192 💌		Bit Rate(Kb/s)	640 -]
DEFAULT/BACKUP ADVANCED	Reference Bit Rate	3584~8192Kbps		Reference Bit Rate	e 112~640Kbps	
E HDD MANAGEMENT	I Frame	50 2	5~150	I Frame	30	15~150
Config Config Config Config Record	Color Setting	S	et	🔽 Watermark		Set
- Count - Count - Count	Overlay					
AUTO MAINTENANCE	Cover-Area	NEVER	•	Set		
ADDITIONAL PONCTION	🔽 Time Display	S	et	Channel Displa	y	Set
	Сору			Default	Save	Refresh

Figure 3-8 Encode

Color Settin	B				X
Brightness 50 0~100	Contrast 50 0~100	Saturation 50 0~100	Hue 50 0~100	Gain 50 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

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 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.
Extra Stream	Select extra stream if you enabled the extension stream to monitor.
Audio/Video	Main stream: Recorded file only contains video by default. You need to check the audio box here to enable audio function.
	Extra stream: Recorded file only contains video by default. You need to check the audio box here to enable audio function.
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 both modes.
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.
	- The value is null in VBR mode.
	- 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.

Parameter	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.
Color Setting	Here you can set video brightness, contrast ness, hue, saturation and gain. The value ranges from 0 to 100See Figure 3-9.
Watermark	Please note gain value is read only. Here you can select watermark bit stream, watermark mode and watermark character. Default character is DigitalCCTV. See Figure 3-10.
Cover area (privacy mask)	 Here you can privacy mask the specified video in the monitor video. System max supports 8 privacy mask zones.
Time Title	 You can enable this function so that system overlays time information in video window. OSD transparent value ranges from 0 to 255. 0 means complete transparent. 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. OSD transparent value ranges from 0 to 255. 0 means complete transparent. 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.

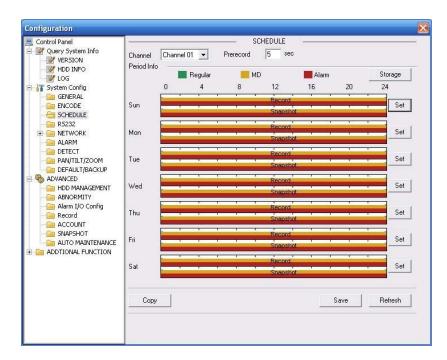


Figure 3-11 Schedule

🔽 Syn All Data 🦳 Sy	n Data Time Scop	0	h
vent Type	Regular	MD	Alarm
Record Local Storage	~	ম	V
Vet Storage	Г	Г	Г
Emergent Storage(Local)	Г	Г	
Gyn Data	—	Г	Г
Snapshot Local Storage Net Storage Emergent Storage(Local)	ע ר ר	ם ר ר	
Syn Data	Г	Γ	Г

Figure 3-12 Storage Set

Defa	ult	(Current	Be	15	Recor MD	d Alarm	S Regular	napsł MD	
Period 1	[:00:00		23:59:59	÷		•			•	
Period 2	0:00:00		23:59:59	÷	П	Γ		Г	Г	Г
Period 3	0:00:00		23:59:59	•		Γ			Г	Γ
Period 4	0:00:00	÷	23:59:59	<u>.</u>	Г	Π	П	Г	Г	Г
Period 5	0:00:00	÷	23:59:59	*		Γ	Г	Г	Γ	
Period 6	0:00:00	÷.	23:59:59	<u>.</u>	Г	Γ	Γ	E	Г	Γ
	-						-			
🔽 Sun	🗆 Мо	n []	Tue	Γw	ed					
🗖 Thu	🗖 Fri		🗆 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	Right now system support record/snapshot file local storage mode only.
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: motion detection/snapshot, and alarm/snapshot. Right now system does not support schedule/snapshot function,
	 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.)
	- 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.
6000	

3.2.4 RS232

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

Configuration						X
Control Panel Curry System Info VERSION HDD INFO System Config System Config SignerAl Config NETWORK ALARM DETECT ALARM DEFAULT/BACKUP ADVANCED HDD MANAGEMENT ABNORMITY ABNORMITY ABNORMITY AAIARM AIARM AUTO MAINTENANCE ADTIONAL FUNCTION	RS232 COM Function Data Bits Stop Bits Baudrate Parity	COM 01 Console 8 1 115200 None	RS232	Save	Refresh	
					- <u>17</u> - 14	÷

Figure 3-14 RS232

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 XL-ICA-106M3(W) via
	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: GPS module protocol. You can connect to it to realize GPS function.
	COM_RADAR: Radar protocol. Realize the radar speeding function and etc via the COM.
Data Bit	The value ranges from 5 to 8.

Parameter	Function
Stop Bit	There are three options: 1/2.
Baud Bit	You can select corresponding baud bit here.
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	-	NE	TWORK —	
Wers System Info WERSION WHO INFO WO COG System Config General	Ethernet Port IP Address Subnet Mask Gateway	Port 01 ▼ 10 12 5 28 255 255 0 0 10 12 0 1	DHCP Mac Address	00:11:22:33:45:55
CHEDULE CHEDULE CHEDULE CHEDULE CHAIL CHEDUCE CHAIL CHA	Device Name TCP Port UDP Port Preferred DNS Alternate DNS	00-11-2244-55 37777 HTTP Port 37778 Max Connection 202 101 172 35 202 101 172 35 Latency v v	80	
APAN/TILT/ZOOM PAN/TILT/ZOOM DEFAULT/BACKUP ADVANCED HDD MANAGEMENT ABNORMALITY ABNORMALITY Alarm I/O Config Record ACCOUNT SNAPSHOT AUTO MAINTENANCE	Service Type User Name Password	MULTICAST	IP Address Port	239 . 255 . 42 . 42 36666 1~65535
			Default	Save Refresh

Figure 3-15 Network

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

Parameter	Function
Ethernet	Please select the network card first.
	Please select the port 02 if you are using wireless network and then set the wireless IP address. Please note this function is for –W series product 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.

Paramete	r	Function		
HTTP Po	rt	Default value is 80.		
UDP Port		Default value is 37778.		
DNS		Manually set IP address of domain parse server.		
Alternative	e DNS	You need to enable this function if you are inputting the domain name in some items. Otherwise the system can not parse the domain name.		
Max Conr	nection	Network user max amount. The value ranges from 1 to 10.		
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.		
High-Speed Download		Download the recorded file maximally using the network bandwidth.		
Remote Host	Multiple cast group	 Set MULCAST address and port. Enable MULCAST function. Current series XL-ICA-106M3(W) does not support this function right now. 		
	PPPOE	 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. 		

Email

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

Configuration			X
Control Panel Cuery System Info VERSION	SMTP Server	EMAIL www.Yahoo.com	
HDD INFO HDD INFO HDD INFO F LOG GENERAL ENCODE SCHEDULE R5232 NETWORK MAS DDNS DDNS NAS DDNS DDNS DDNS DDNS DDNS DETECT PAI/ITLIZ2OM DETECT PAI/ILIZOM DETECT ALARMALITY ALARMALITY A	Port User Name Password Sender Subject. Receiver 1 Receiver 2 Receiver 3	25 0°65535 anonymity xxxx anonymity@yahod.com DVR Message	SaveRefresh
ALARM DETECT PAN/TIL1/ZOOM DEFAULT/BACKUP ADVANCED ADVANCED ADNORMALITY ABMORMALITY Alarm I/O Config Record ACOUNT SNAPSHOT AUTO MAINTENANCE			SaveRefresh

Figure 3-16 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 3-17.

onfiguration	-				
Control Panel			DDNS	-	
Uuery System Info	DDNS Type	NO-IP DDNS	✓ Enable		
HDD INFO	Server IP	www.yahoo.com			
	Port	5050	1~65535		
	Domain Name	www.yahoo.com			
- CHEDULE RS232	User Name	anonymity			
	Password	xxxx			
EMAIL	Alive Interval(sec.)	30	1~30000		
NAS					
IP-FILTER					
📄 ALARM					
PAN/TILT/ZOOM					
DEFAULT/BACKUP ADVANCED					
HDD MANAGEMENT					
Record					
- C Auto Maintenance - C Additional Function	1				
- 🧀 ADDTIONAL FUNCTION				Save	Refresh
	3				

Figure 3-17 DDNS

Please refer to the following sheet for detailed information.

You can refer to the Appendix for NO-IP DDNS setup 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	 Device sends out alive signal to the server regularly. You can set interval value between the device and DDNS server here.

NAS

NAS interface is shown as in Figure 3-18. Current series XL-ICA-106M3(W) **does not** support this function right now.

Configuration						X
Control Panel	₩ NAS Enable	FTP Mode	NAS	·		-
🔐 HDD INFO 🔐 LOG ⊡ 🔐 System Config	Server IP User Name Password	0.0.0.0	Port	21	0~65535	
GENERAL ENCODE SCHEDULE RS232 METWORK MIT DDNS MIT DDNS NAS NIT DEFEICT ALARM DETECT ALARM DETECT ALARM DETECT ALARM DETECT ALARM DETECT ALARM DETECT ALARM ALARM DETECT ALARM DETECT ALARM ALARM ADVANCED A	Password Remote Path	share		Sa	ve Refresh	
						-

Figure 3-18 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.
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 3-19.

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

Control Panel NTP Image: System Info Image: System Info Image: System Info Imag	1	×
Pott 37 System Config Fort 37 ENCODE Time Zone GMT+08:00 • SCHEDULE Update Period 7 Minute Minute MAX Minute MAX <th>Info IV INFO Se INFO Se INFO Se INFO Se INFO Se INFO UP INFO UP IN</th> <th>Refresh</th>	Info IV INFO Se INFO Se INFO Se INFO Se INFO Se INFO UP INFO UP IN	Refresh

Figure 3-19 NTP

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 XL-ICA-106M3(W). See Figure 3-20. Please note you can not set white list and black list function at the same time.

🖳 Control Panel 🖃 📝 Query System Info	🔽 Enable	IP Filb	er	
VERSION HDD INFO COG Schedule Schedule RS232 NETWORK NETWORK NAS NIP PANLIN DOVS AAS DOVS AAS DOVS AAS DOVS DOVS AAS DOVS DOVS DOVS DOVS AAS DOVS DOVS DOVS DOVS DOVS AAS DOVS	White List	Add	Blacklist 0 : 0 : 0 : 0	Add
ACCOUNT SNAPSHOT AUTO MAINTENANCE ADDTIONAL FUNCTION		Delete	Refresh	Delete

Figure 3-20 IP Filter

3.2.6 Alarm

Alarm setup interface is shown as in Figure 3-21.

Configuration		A	LARM (
- Version	Event Type	Local Alarm 💌		
HDD INFO	Alarm In	Input 01 💌 🔽	Туре	Normal Close 💌
System Config GENERAL GENERAL	Period I⊽ Alarm Out Latch	Set	Anti-dither	0 sec. 0~15
	Record Channel Record Latch Send Email PTZ Activation	10 sec. 10~300		
	Copy	1	Default	Save Refresh

Figure 3-21 Alarm Setup

Pan/Tilt	/Zoom			×
Channel	Event Type	Addr.		
01	Never Never	• 0		
	Preset Auto-Tour Pattern			
		OK	Cancel	

Figure 3-22 PTZ Setup

Parameter	Function
Event Type	It includes local alarm/network alarm. - Local alarm: Device detects alarm from input port. - Network: Device detects alarm from network.
Alarm in	Select corresponding alarm channel (ch01).
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	 Alarm record 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 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.
Alarm Latch	System can delay the alarm output for specified time after alarm end The value ranges from 10 seconds to 300 seconds.

Parameter	Function
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	- Display the selected video in local monitor window.
	- 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.
	- 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 send to the specified email box whe alarm occurs.
Сору	It is a shortcut menu button. You can copy current channel setup to one or more (all) channels.
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 3-23.

Configuration	1				
Scontrol Panel	Event Type	Motion Detect 💌	ETECT		
HDD INFO HDD INFO WE GIVEN	Channel Region	Channel 01	Sensitivity	3	•
SOURCEAN SOURCEAN	Period Period Alarm Out Latch Record Channel Record Latch Send Email PTZ Activation Capture	Set 1 10 sec. 10 sec. 10 sec. 10 sec. 10 sec. 10 sec. 11 sec. 10 sec. 10 sec. 10 sec. 10 sec.	Anti-dither	5 sec.	0~15
	Сору		Default	Save	Refresh

Figure 3-23 Detect

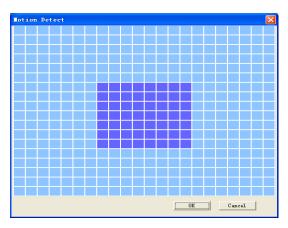


Figure 3-24 Motion Detection Zone Setup

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.

Parameter	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 3-24. There are PAL 22X18/NTSC 22X15 zones. Right click mouse you can go to full-screen display mode. Do remember clicking OK button to save your motion detection zone setup.
Period	 Motion detection 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 15s.
Normal 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.
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.
Email	If you enabled this function, System can send out email to alert you when alarm occurs and ends.
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.

Parameter	Function
Refresh	Click this button to get device latest configuration information.

3.2.8 PTZ

PTZ interface is shown as in Figure 3-25

Please note, before operation please make sure you have set speed dome address and the XL-ICA-106M3(W) and speed dome connection is OK.

Configuration						
🖳 Control Panel			- PAN/T	ILT/ZOOM (-		
Query System Info WersION	Channel	Channel 01	•			
HDD INFO	Protocol	PELCOD	•			
System Config	Address	1	0~255			
	Baudrate	9600	•			
🧰 R5232	Data Bits	8	•			
E In NETWORK ALARM	Stop Bits	1	•			
PAN/TILT/200M PAN/TILT/200M PAN/TILT/200M PAN/TILT/200M AVANCED POD MANAGEMENT	Parity	None	•			
ABNORMALITY ABNORMALITY Alarm I/O Config Alarm I/O Config ACCOUNT						
CIN SNAPSHOT						
	Сору				Save	Refresh

Figure 3-25 PTZ

Parameter	Function
Channel	You can select monitor channel from the dropdown list
Protocol	Select the corresponding dome protocol.(such as PELCOD)
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.

Parameter	Function
Parity	Default setup is none. Please set according to the speed dome dial switch 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.

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 3-26.

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

Configuration			X
📃 Control Panel		DEFAULT/BACKUP	
Query System Info Werssion	Please select setting entrie	es that you want to default.	
HDD INFO	🔲 Select all	Default	
System Config	GENERAL	ENCODE	
Constant	SCHEDULE	□ RS232	
E R5232	NETWORK		
	T DETECT		
PAN/TILT/ZOOM		CHANNEL NAME	
	Config Backup Default Path: C:\Do	cuments and Settings\10881\Desktop\	£
ACCOUNT	Export Config	Import Config	

Figure 3-26 Default and Backup

Parameter	Function
Select All	Restore factory default setup.
Export Configuration	Export system configuration to local PC.

Parameter	Function
Import Configuration	Import configuration from PC to the system.

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 3-27.

Click the Execute the button; system needs to reboot to activate current setup.

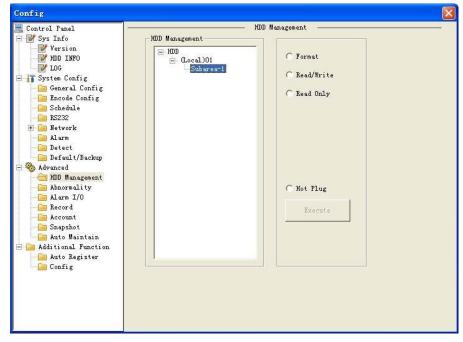


Figure 3-27 HDD Management

Parameter	Function
Format	Clear data in the disk.
Read/write	Set current disk as read/write
Read only	Set current disk as read.

Parameter	Function
Hot swap	This function allows you to hot swap the disk when the device is working. This function will not result in disk malfunction.
Execute	Click this button to save disk current status.

3.3.2 Alarm I/O

Here you can search alarm output status. See Figure 3-28.

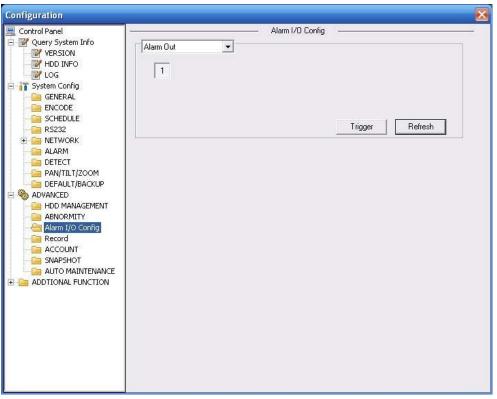


Figure 3-28 Alarm I/O Configuration

Please refer to the following sheet for detailed information.

Parameter	Function
Alarm output	There is only one output channel. Please click the button 1.
Trigger	Enable/disable alarm output device.
Refresh	Search alarm output status.

3.3.3 Record

Record control interface is shown as in Figure 3-29.

Please note current XL-ICA-106M3(W) series product **does not** support this function.

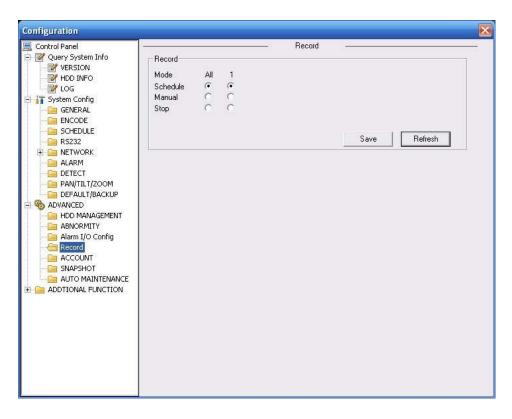


Figure 3-29 Record

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 3-30.

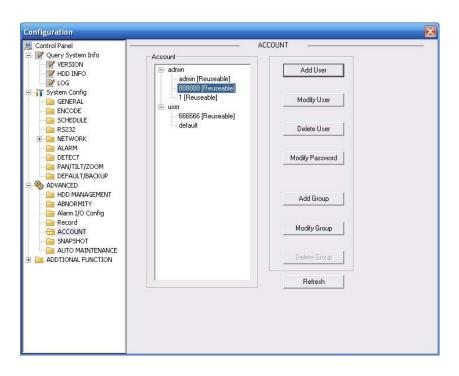


Figure 3-30 Account

3.3.5 Auto Maintenance

Here you can select auto reboot and auto delete old files interval from the dropdown list. See Figure 3-31.

Configuration					
Control Panel Query System Info WERSION WERSION WHDD INFO	Auto-Reboot Sy	- AUTO MAIN stem	TENANCE ——		
	Everyday Auto-Delete Old	• ····	02:00	-	
ENCODE SCHEDULE RS232 AVAILARM DETECT PAN/TLIT/2COM DEFECT PAN/TLIT/2COM DEFECT PAN/TLIT/2COM DEFAULT/BACKUP ADVANCED HOD MANAGEMENT ABNORMITY ABNORMITY ABNORMITY ANT J/O Config Record ACCULNT SNAPSHOT ACCULNT SNAPSHOT ADDTIONAL FUNCTION	NEVER	T			
				Save	Refresh

Figure 3-31 Auto Maintenance

3.3.6 Snapshot

Snapshot interface is shown as in Figure 3-32.

Configuration					X
Control Panel Query System Info VerSION VerSION VerSION Control Panel Cont	Channel Snapshot mode Frame Rate Resolution Quality	Channel 01 Snapshot_Timin 1F/S 1080 80%	SNAPSHOT -		
	Сору		 	SaveRef	iresh

Figure 3-32 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	It is to view the snapshot picture resolution.
Quality	You can select from the dropdown list. Here is for you to set video quality.

3.3.7 Abnormity

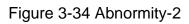
The abnormity interface is shown as below. See Figure 3-33.

Configuration			×
Control Panel		ABNORMITY -	<u></u>
HDD INFO	Event Type Threshold	Disk No Space ▼ ▼	
GENERAL ENCODE SCHEDULE R5232	🔽 Alarm Out	1	
- Can Alarm - Can Detect - Can Pan/Tilt/200M - Can Default/Backup	Latch	10 sec. 10~300	
ADVANCED HOD MANAGEMENT ABNORMITY ABNORMITY ABNORMITY ABNORMITY ASYMPTIC CONFIG Record ACCOUNT SNAPSHOT ACCOUNT ACTONITIONAL FUNCTION Config Auto Register Wrieless	I Send Email		
Talk Encode	Сору		Save Retresh

Figure 3-33 Abnormity-1

XL-ICA-106M3(W) offline interface is shown as below. See Figure 3-34.

Configuration			
Control Panel	52 <u></u>	ABNORMITY	
VERSION HDD INFO COG	Event Type	Offline 💽 🔽	
GENERAL	🔽 Alarm Out	1	
ALARM	Latch Record Channel	10 sec. 10~300	
DEFAULT/BACKUP ADVANCED HDD MANAGEMENT ABNORMITY ABNORMITY Alarm I/O Config Record ACCOUNT SNAPSHOT AUTO MAINTENANCE ADDTIONAL FUNCTION Config Auto Register Wireless	Record Latch	10 sec. 10~300	
- 🧀 IP Filter - 📄 Talk Encode	Сору		Save Refresh



Please refer to the following sheet for detailed information.

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.
Normal Out	The corresponding alarm output channel when alarm occurs, There is one channel.
Record channel	System auto activates channel to record once alarm occurs (For offline type only. See Figure 3-34.). 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. This function is invalid when network is offline or IP conflict occurs.

3.4 Additional Function

3.4.1 Configure

Here you can set camera property parameter. See Figure 3-35. The following interface may vary due to different XL-ICA-106M3(W) series.

Configuration				×
Control Panel Query System Info VERSION VERSION UOG UOG System Config GEVERAL ENCODE	Channel Exposure Mode	1 ME_1/50	Config	
CHEDULE CHEDULE CS232 CHEDULE CS232 CHEDULE CS232 CHEDULE	BLC Signal Type	Disabled 💌	Day/Night Mode Auto 🔽	
PAN/TILT/ZOOM DEFAULT/BACKUP ADVANCED HOD MANAGEMENT ABNORMALITY ABNORMALITY Alarm I/O Config Record ACCOUNT SNAPSHOT SNAPSHOT AUTO MAINTENANCE ADDITONAL FUNCTION	Mirror Auto Iris Brightness 50 0-100 Scene Mode	Flip On ▼ Contrast Saturation 50 50 0-100 0-100 Auto ▼	Hue Gain 50 50 0-100 0-100	
Talk Encode		Save	Refresh Night Config	

Figure 3-35 Configure

Parameter	Function
Channel	Monitor channel 1
Exposure Mode	There are two modes: Auto exposure (AE) and Manual exposure (ME). There are some ME time ranges from 1/50 to 1/10000.It supports customized setup too.
Day/Night Mode	XL-ICA-106M3(W) day night mode switch. There are three options: color-off/color-on/auto.
Signal Standard	Video input mode: internal input.
BLC	Backlight compensation level This series product does not support this function.
Scene Mode	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.
Mirror	It is to switch video left and right limit. Please note current series XL-ICA-106M3(W) does not support

Flip	It is to switch video up and bottom limit.
Night Setup	It is valid when you select the night setup mode.
	The night setup information includes: contrast, recommended level, exposure mode, scene mode, auto gain and etc.

3.4.2 Auto Register

Auto register interface is shown as below. See Figure 3-36.

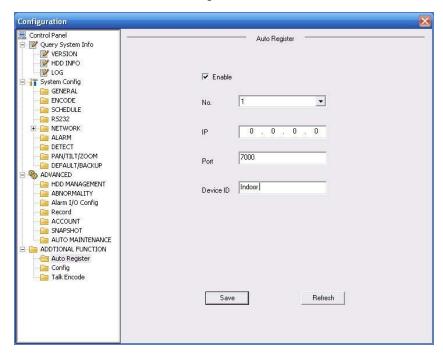


Figure 3-36 Auto Register

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, G711u. See Figure 3-37.

Configuration				X
Control Panel Query System Info VersION VersION VersION System Config System Config System Config Societation ALARM Defect ALARM Defect ALARM Defect ALARM ALARM Defect ALARM A	Talk Encode	Taik	. Encode	
	[Save	Refresh	

Figure 3-37 Talk Encode

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				10	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 💌
Local	Channel	1	-	1		Download
C Picture						Open Local Record
C Card				Earliest R	ec	Watermark
5/N File Siz] 1 9541		Name 10.5.82_ch1_20	09080			Path RecordDownload\1
sources lances			09080			and a second
		10.5.82_ch1_20	09080	5_143711.dav		and a second

Figure 4-1 Search Main Interface

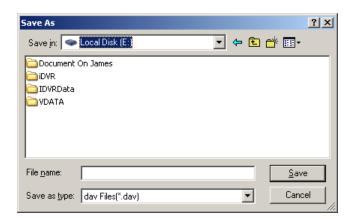


Figure 4-2 Save as

Verify Stop Watermark Info		termark			E
	Desking 1				
Vatermark Revised	Periting	√atermark Info			
Vatermark Revised	Proline I				
		Vatermark Rev	vised		
No. Time Position	s Fusiduri				
		No.	Time	Position	
		No.	Time	Position	1
		No.	Time	Position	
		No.	Time	Position	
		No.	Time	Position	
		No.	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 type	Download by file: Select the file(s) and then click 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.
Multiple-	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.
channel playback		System supports playback one file in several monitor channels.

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.

Event Type Video Loss Motion Detect Disk Full Video Mask Video Mask		r Alarm 🔽 Lister	NExternal Alarm can not open Alarm 🔽 Video Pop-	
		Alarm So	Alarm Sound ▼ Sound Pop-up Sound Path	
lime .	Device ID	Event Type	Alarm Port/Channel	

Figure 5-1 Alarm

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 encode module 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
		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 invalid 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			×
	Webrec Control,	Version: 2.1.6.28	
	NETSDK,	Version: 3.37.0.4165	
	PLAYSDK,	Version: 3.31.0.4384	
	Copyri	ght (C) 2008	
		Ok	

Figure 6-1

7 Log out

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

🖉 W EBservice - 1	Windows Internet Explorer					BX
00 · 0	http://10.10.3.16/			 ✓ ✓	1	P -
😭 🏟 🍘 WEB	Iservice			🙆 • 📾	- 🖶 🔹 🔂 Page 🔹 🔕 Tools	- @-
		WEB service v2 User Name: Password:	0 Login			
Done				🏹 🌍 Int	ernet 🔍 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	NO-IP DDNS			
Server IP	www.yahoo.com			
Port	5050	1~65535		
Domain Name	www.yahoo.com			
User Name	anonymity			
Password	xxxx			
Alive Interval(sec.)	30	1~30000		
			Save	
	Server IP Port Domain Name User Name Password	Server IP www.yahoo.com Port 5050 Domain Name www.yahoo.com User Name anonymity Password associated	Server IP www.yahoo.com Port 5050 1~65535 Domain Name www.yahoo.com User Name anonymity Password ****	DDNS Type NO-IP DDNS Type Enable Server IP www.yahoo.com Port 5050 1~65535 Domain Name www.yahoo.com User Name anonymity Password ****

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 Download	I Services	Support Company
No-IP is Free, Sign up Nov	w!		
ome * Free SignUp			
Create Your No-IP Account			
you already have an account then you can (sign in here)			
Secount Information:			
Email:			
Password:			
Confirm Password:			
(1) 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.

issunto: No-IP.com Activation	-
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 http://www.no-ip.com/services .	
To activate your account please click the following URL: 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 <u>http://www.no-ip.com/downloads.php</u> .	1110
If you have any further questions, please refer to our FAQ at http://www.no-ip.com/faq.php and guides section at http://www.no-ip.com/faq.php and guides section at http://www.no-ip.com/faq.php at rouble ticket at http://www.no-ip.com/faq.php at rouble ticket at http://www.no-ip.com/ticket/ .	
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.

			Return to No-IP.com	Your No-IP Accou	int Support Log Out	
Moo l			Logged in as:			
The DNS Service Prosts Redirects Plus Ma	ovider	ation SSL Certificate:	s Mail Monitorin	g Squared Backup	DNS Renew/Active	
Need redundancy for your mail server?	🚨 Your No-I	Р				
Click here for more into	Henrique, welcome to y	our No-IP!	Last	Login:	from IP	
24/7 Server Monitoring and Failover	You have successfully logge an item from the navigation a		ection. To start using N	In-IP's services select	an icon below or choo	
Click here for more into			00			
Need Help?			100 M			
Support Center					10	
Basic Troubleshooting	Manage Domains	Add Domain	Refer Friend	Add a Hust	Manage Hosts	

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.

Vour Hole¹ Account | Keyport | Log Out
 Logood in ac

 Mostel Redirects
 Minage Hosts
 Add Host
 Manage Hosts
 Manage Manage Manage
 Manage Manage Manage
 Manage Manage
 Manage Manage
 Manage Manage
 Manage Manage
 Manage Manage
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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.

Very Device Very Very Very Very Very Very Very Ver				Return t	o No-IP.com	Your No-IP Account Support Log Out		
MestiRedirects Plus Managed 2N3 Domain Registration SSL Certificates Mail Managed Registration Squared Backup DNS Renew/Activate Manage Artests Manage Groups Download Client Upgrade to Enhanced Meed redundancy foryour mail server? Market Kere formore info Meed Tedundancy foryour mail server? Market Kere formore info Mostinate Information Port 80 Redirect Web Redirect Widcards are a Plus / Enhanced feature. <u>Lingrade How!</u> Accept Mail for your Domain LetNo-IP do the dirty work. Setup POP or forwarding for your name. Market Kecord Market Kecord Market Kecord Market Redirect Market Redirect Market Redirect Market Redirect Market Redirect Market Rediret Widcards are a Plus / Enhanced feat	(M)ho	p-ip		Lo	gged in	as:		
 Hosts/Redirects Add Host Manage Hosts Manage Groups Download Client Upgrade to Enhanced Meed redundancy foryour mail server? Add Host Inter following fields to configure your host. After you are done click 'Create Host to add your host. Own a domain name? Use your own domain name with our DNS system. Add your domain name now or read more for pricing and features. Meed redundancy foryour mail server? Add Host Type: DNS Host (A) DNS Host (Round Robin) DNS Alas (CNAME) Port 80 Redirect Web Redirect IP Address: Assign to Group: No Group: No Group: No Group: No Group: No Group: No Group: Accept Mall for your Domain LetNo-IP do the dirty work. Setup POP or forwarding for your name. Mail Options MX Record MX Priority Firter the name of your external mail exchangers (mx records) as hostnames not IP addresses. Support Setup 	The DNS Se	rvice Provider						
Add Host • Add Host • Add a nost • Manage Groups • Download Client • Upgrade to Enhanced • Meed redundancy foryour mail server • Need redundancy in d Failover • Need redund Robin) • DNS Alass (CNAME) • Port 80 Redirect • Web Redirect • Need redures: • Need redund Robin) • DNS Alass (CNAME) • Port 80 Redirect • Web Redirect • Need redund Robin • Or Op biz • Add card: Wildcards are a Plus / Enhanced feature. <u>Updrade Now!</u> • Accept Mail for your Domain LetNo-IP do the dirty work. Setup POP or forwarding for your name. Mail Options MX Record MX Record MX Priority Erler the name of your external mail exchangers (mx records) as hostnames not IP addresses. • • • • • • • • • • • • • • • • • • •	Hosts/Redirects	Plus Managed DNS Domain I	Registration	SSL Certificates	Mail	Monitoring	Squared Backup DNS	Renew/Activate
Add Host Manage Host Motioning Manage Host Motioning Manage Host Motioning Manage Manage Motioning Manage Motioning Manage Motioning Motioning Manage Motioning Motion Motion Motioning Motioning Motioning Motio	Hosts/Redirects		hast					
 Hanage Groups Download Client Upgrade to Enhanced Own a domain name? Use your own domain name with our DNS system. Add your domain name now or read more for pricing and features. Need redundancy for your mail server? Need redundancy for your mail server? Add Server Monitoring and Failover Support Center Basic Troubleshooting Cuick Support Ticket Contact Us Assign to Group: - No Group: No Group: - No Group: Assign to Group: No Group: - No Group: Assign to Group: Assign to Group: Assign to Group: No Group: - No Group: Assign to Group: Accept Mail for your Domain LetNo-IP do the dirty work: Setup POP or forwarding for your name. 	+ Add Host	Add a	nost					
 Manage Groups Own a domain name? Use your own domain name? Use your own domain name? Use your own domain name with our DNS system. Add your domain name now or read more for pricing and features. Need redundancy? Need redundancy? Red redundancy?<td> Manage Hosts </td><td>Fill out the following fiel</td><td>ds to configure</td><td>vour host Affer you a</td><td>re done</td><td>click 'Create Ho</td><td>st to add your bost</td><td></td>	 Manage Hosts 	Fill out the following fiel	ds to configure	vour host Affer you a	re done	click 'Create Ho	st to add your bost	
 Upgrade to Enhanced Use your own domain name? Use your own		The out and tonoming net	up to comigat	. jour noor i ner jou e	ie done	citer of collection	or to day your noor.	
Very during and realized with our bytes system. Add your dorhain name how on reaching and realized. Wery our mail server Cick here for more info Hostname Hostname In Server Monitoring Af7 Server Monitoring Cick here for more info Host Type: DNS Host (A) DNS Host (Round Robin) DNS Alas (CNAME) Host Type: DNS Host (A) DNS Host (Round Robin) DNS Alas (CNAME) Host Type: DNS Host (A) DNS Host (Round Robin) DNS Alas (CNAME) Host Type: DNS Host (A) DNS Host (Round Robin) DNS Alas (CNAME) Host Type: DNS Host (A) DNS Host (Round Robin) DNS Alas (CNAME) Host Type: DNS Host (A) DNS Host (Round Robin) DNS Alas (CNAME) Host Type: DNS Host (A) DNS Host (Round Robin) DNS Alas (CNAME) Host Type: DNS Host (A) DNS Host (Round Robin) DNS Alas (CNAME) Host Type: DNS Host (A) DNS Host (Round Robin) DNS Alas (CNAME) Host Type: DNS Host (A) DNS Host (Round Robin) DNS Alas (CNAME) Host Type: Not 80 Redirect Web Redirect IP Address: Assign to Group: -No Group:		at the second						
Iteryour mail server? Click here for more info 247 Server Monitoring and Failover Click here for more info Media Data Port 80 Redirect Weed Help? • Support Center • Basic Troubleshooting Guide • Support Ticket • Contact Us • Accept Mail for your Domain LetNo-IP do the dirty work. Setup POP or forwarding for your name.	· opgrade to Enhanced	Use your own domain	name with ou	r DNS system. Add yd	ur doma	sin name now of	r read more for pricing and	features.
Citlek here for more info 24/7 Server Monitoring and Failover Citlek here for more info Port 80 Redirect Web Redirect Port 80 Redirect Web Redirect IP Address: Assign to Group: No Group			ол					
24/7 Sever Monitoring and Failover Click here for more unfor Port 80 Redirect Web Redirect Port 80 Redir	51/	llesteeme	1			no-ip biz		• 0
247 Server Monitoring and Failover Citck here for more info Port 80 Redirect Web Redirect Port 80 Redirect Web Redirect <td< td=""><td>Click here for more in</td><td></td><td>O DNS H</td><td>ost (A) @ DNS Hos</td><td>t (Round</td><td>(Robin) OD</td><td>VS Alias (CNAME)</td><td>0</td></td<>	Click here for more in		O DNS H	ost (A) @ DNS Hos	t (Round	(Robin) OD	VS Alias (CNAME)	0
Citck here for more state IP Address: IP Address: Support Center Assign to Group: No Group - IP Configure Groups Basic Troubleshooting Guide Support Ticket Image: Configure Group - Image:							(010-27	
P Address: Assign to Group: -No Group:			Port 80	Redirect (2) Web R	edirect			
Support Center Basic Troubleshooting Guide Support Ticket Contact Us Mail for your Domain Let No-IP do the dirty work. Setup POP or forwarding for your name. Mail Options MX Record MX Record MX Priority Erter the name of your external mail exchangers (mx records) as hostnames not IP addresses. S								0
* Basic Troubleshooting Guide * Support Ticket • Contact Us • Accept Mail for your Domain Let No-IP do the dirty work. Setup POP or forwarding for your name. Meil Options Mc Record MX Record MX Priority Erter the name of your external mail exchangers (mx records) as hostnames not IP addresses. 5 • • • • • • • • • • • • • • • • • • •	Seed Help?	Assign to Group:	- No Group -	5		• 🗭 Configu	re Groups	0
Guide Support Ticket Contact Us Accept Mail for your Domain Let No-IP do the dirly work. Setup POP or forwarding for your name. Mail Options MX Record MX Record MX Priority Erter the name of your external mail exchangers (mx records) as hostnames not IP addresses.	+ Support Center	Enable Wildcard:	Wildcards a	re a Plus / Enhanced	feature.	Upgrade Now!		0
Support Ticket Contact Us Accept Mail for your Domain Let No-IP do the dirty work. Setup POP or forwarding for your name. Mail Options MX Record MX Priority Erter the name of your external mail exchangers (mx records) as hostnames not IP addresses. S		ting						
		Accept Mail for yo	ur Domain					
MX Record MX Priority Erter the name of your external mail exchangers (mx records) as hostnames not IP addresses.	+ Contact Us			OP or forwarding for yo	ourname	è.		
MX Record MX Priority Erter the name of your external mail exchangers (mx records) as hostnames not IP addresses.								
MX Priority Erter the name of your external mail exchangers (mx records) as hostnames not IP addresses.		Mail Options						
5 -		MX Record			MX P	riority		
		Enter the name of yo	ur external ma	il exchangers (mx rec	ords) as	hostnames not	IP addresses	
If you would like a more MX records, please upgrade to <u>No-IP Plus</u> or <u>Enhanced</u> .					5	•		0
		If you would like a m	ore MX records	, please upgrade to I	Io-IP Plu	is or Enhanced.		
Revert Create Host							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.

		L	Return to No-IP.con	n Your No	-IP Account S	upport Log Out		
			Logged in as:					
Hosts/Redirects Plus N	lanaged DNS Domain Registration	SSL Certificates	Mail Monitori	ng Squai	ed Backup DNS	Renew/Activate		
Hosts/Redirects	Manage Host	te						
Add Host	manage riost							
Manage Hosts								
Manage Groups	Host vd16s480st.no-ip.biz ci	reated						
Download Client		reaction and a second s						
Upgrade to Enhanced								
	Current Hosts: 1 of 5 Need More	e Hosts? Enhand	e Your Account	1		Ipgrade Now!		
Need redundancy								
for your mail server?	Host		IP/URL	Action				
Click here for more info	Hosts By Domain							
24/7 Server Monitoring	no-ip.biz							
and Failover	vd16s480st.no-ip.biz		200.200.200.198	Modify	X Remove			
	12					Add a Host		
<u>^</u>						and a nost		

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.

C:\>ping dynupdate.no-ip.com	
Disparando dynupdate.no-ip.com [204.16.252.79] com 32 bytes de dados:	
Resposta de 204.16.252.79: bytes=32 tempo=309ms TTL=235 Resposta de 204.16.252.79: bytes=32 tempo=318ms TTL=235 Resposta de 204.16.252.79: bytes=32 tempo=304ms TTL=235 Resposta de 204.16.252.79: bytes=32 tempo=329ms TTL=235	
Estatísticas do Ping para 204.16.252.79: Pacotes: Enviados = 4, Recebidos = 4, Perdidos = 0 (0% de perda),	
Aproximar um número redondo de vezes em milissegundos: Mínimo = 304ms, Máximo = 329ms, Média = 315ms	
C:∖>_	

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-

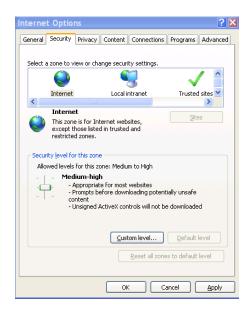
<u>ip.biz</u>

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.



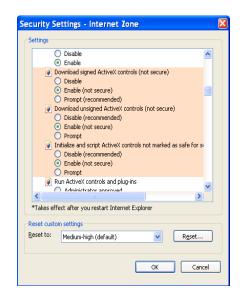


Figure 8-11

Note

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