

User Manual of Network Camera

Version V1.0

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Chapter 1 Overview

1.1 Product Summary

Our network cameras are easy-to-use for security applications in offices and residential areas, specifically designed with a compact exterior. Despite its ultra-compact size, the camera incorporates many advanced features to meet many kinds of security requirements.

The embedded SoC enables the camera to simultaneously deliver dual streams in H.264 or H.265 with different video resolution and quality upon different devices, such as digital video recorders AHD DVR/NVR, PC or 3G cell phones. It is applied to all kinds of occasions which need network remote monitoring, such as:

- ATM, Bank counter, supermarket, factory, etc;
- Foster care center, kindergarten, school, etc;
- Intelligent gate control system;
- Intelligent building and residential manage system;
- Unattended system like: Generating plant, telecom base station;
- Outdoor device to monitor bridge, tunnel, block transportation status;
- Production line and warehouse control;
- 24-hour monitor for road transportation;
- Remote monitor for forest, water source and river;
- Airport, train station, bus stop, etc

1.2 Product Features

Please refer to the products you buy to confirm the functions. It is subject to change without prior notice.

- Advanced H.264&H.265 High profile compression.
- High-resolution image.
- Support device access via IP address, DDNS, cloud.
- Support dual stream.
- Alarm link to snapshot, email sending, etc.
- Support multi-browsers, like IE, Chrome, Firefox, opera, etc.
- Support vCMS software and mobile APP surveillance.
- With Ethernet port for remote access function, remote upgrade & maintenance

function.

- Support to connect with AHD DVR/NVR.
- Support ONVIF.

Note:

> For detail features, please refer to the product model description.

1.3 Attentions

Please read this product user manual carefully before the installation of the product. Check the content of the gift box and confirm that all the components are included.

The product is powered by 12V/2A; do not connect the device to any adapter unauthorized. Do not remove the case of the Camera and try to mend the device by yourself. Please contact our company post-sale service team for the consulting and repairing. The manufacturer is not responsible for any damage due to improper operation.

!!! The product function described in this set of user manual is determined by the specific model, Please base on the actual device.

Chapter 2 Network Connection

Connect the IPC to your network, network topology map please refer to figure 2-1.



Figure 2-1 Network Connection

Configuring the network settings of the local PC connected to an IP router, follow the instructions below.

 Select: Network Neighborhood → Attribute → Local Area → Connection → Attribute → General →Internet Protocol → TCP/IP →Attribute → Obtain an IP address automatically or Use the following IP address

Follow the instructions below if you select (Use the following IP address):

If the address (LAN IP) of the IP router is 192.168.xxx.1, input

- IP address: 192.168.xxx.100
- Subnet Mask: 255.255.255.0
- Default Gateway: 192.168.xxx.1

To view and configure the camera via a LAN, make sure the network camera in the same subnet with your local computer, and install the Device Manager software to search and modify the IP address of the network camera.

Note:

> Please refer to chapter 3 on how to modify the IP address of the network camera.

Chapter 3 Login the Network Camera

3.1 Direct Connect

The default IP address is 192.168.1.10. The user can modify it by Device Manager. For details please refer to **Quick Guide of Network Camera**.

Accessing by Web Browsers:

- 1. Open the web browser.
- 2. Input the IP address of the network camera, and press the Enter button to enter the login interface.
- 3. If it is the first time to login, it will remind you to install the plug-in, as shown in **figure 3-1**.



Figure 3-1 Install the Plug-in

- 4. Install the plug-in installation package from CD or download from web site.
- 5. After the installation, input the user name and password (default username is admin and the password is 1234567u), as shown in figure 3-2,



Figure 3-2 Login Interface

Note:

> You may have to close the web browser to install the plug-in. Please reopen the web browser and log in again after installing the plug-in.

3.2 P2P Connect

3.2.1 Login by User

1. Open the web browser and input the <u>www.elevatep2p.com</u>, and press the Enter key to enter the login interface.

Remote Monitor of Network	Language: English 💌
	By User By Device
	Log in monitoring system
Innovative Video Technology	UserName
	Password
	Save Password
	Login
ELEVATE SERIES	Register Download Get Password

Figure 3-3 Cloud Login

2. Click **Register** to enter the register interface, follow the prompts to enter your registration information.

Nev	w User Registration
UserName	•
Password	t
Confirm	1
Email	Find Password
	Register Cancel

Figure 3-4 Register

3. After a successful registration, at the login screen, enter your user name and password, click on login to enter the graphic interface.

3.2.2 Login by Cloud ID

- 1. Open <u>www.elevatep2p.com</u> and select login by device
- 2. Input the Cloud ID, Username, Password.
- 3. Click **Login** to login the device.



Figure 3-5 Login by Device

Note:

> Default username is admin and the password is 1234567u.

3.2.3 Auto Upgrade

When the Web plug-in version is not the newest one, it will remind you to upgrade the Web plug-in version after login. It is shown as the figure 3-6.



Figure 3-6 Auto Upgrade

Chapter 4 Preview

4.1 Preview Page

The preview page allows you to view the real-time video, capture images, and configure video parameters. The preview page is shown as **figure 4-1**:



Figure 4-1 Preview Page

4.2 Start Preview

On the preview page, click channel on the left of the preview page to view the real-time video. Select main stream or sub stream to view the real-time video.

Items	Description
	Brightness
•	Contrast
	Saturation
S	Ние
	Adjust brightness / contrast / saturation / hue
Default	Restore the color parameters to default values
PicturePath	Set the storage path of the picture

RecordPath	Set the storage path of the video
Reboot	Reboot the network camera
RecordSize	Set size of recording file
6	Full Screen
	1 View
	Local replay
20	Main stream
2	Sub stream
20	Mobile stream
	Stop
.	Multicast
₽	Talk
	Device Snapshot
	Local Snapshot
	Start/Stop local record
\land , \land	Start /Stop listen
▶ , □	Start/ Stop preview

Table 4-1 Descriptions of the Toolbar

4.3 Record and Capture Manually





to record the

In the preview interface, click **Levin** to capture the live pictures or click **Levin** to record the live view. The saving paths of the captured pictures can be set on the **Preview** \rightarrow **other function** \rightarrow **Picture Path**. The saving paths of the recording video can be set on the **Preview** \rightarrow **other function function** \rightarrow **Record Path**.

Select the packed size of the manually recorded video file, which ranging from 200MB to 1024MB. After the selection, the maximum record file size is the value you selected.

4.4 PTZ Control

In the right panel, there is PTZ panel for controlling motorized cameras or high speed dome cameras.

Items	Description
	PTZ direction control panel
Zoom 🗖	Zoom in / out
Focus	Focus in / out
🔁 Iris 🗖	Iris increase / decrease
PreSet	Call preset of the speed dome
Auto Tour	Auto tour of the high speed dome
Auto Pan	Auto pan of the high speed dome
Pattern	Set pattern
PTZ	PTZ configuration
AuxOpen	Aux device open
AuxClose	Aux device close
Step(1-8)	To set the step of high speed dome
Value(1-255)	The number of Preset

4.5 Reboot the camera

Click **preview** \rightarrow **Other Function** \rightarrow **Reboot** to enter the reboot interface, click **OK** to reboot the network camera.

Chapter 5 Playback

This section explains how to view the remote video files stored in the network storage server (NAS) or Micro SD card.

1. Click Playback on the menu bar to enter the playback interface.

Preview	Playback	Alarm	Config	Logout														Version 5.5.0.35
															🔳 Sub S	Stream		
															25 1 8 15 22	Mon Tue 26 27 2 3 9 10 16 17 23 24 30 31	4 5 11 12	30 31 6 7 13 14 20 21 27 28
		₩) (0													_
0 1	2 3	4 5	6 7	8	9 10	11	12	13	14	15	16	17 24HR	18	19 R	20 1HR	21 30M	22 Prev	23 24 Next

Figure 5-1 Playback Interface

2. Select the date and click **Search**.

•	April, 2016								
Sun	Mon	Tue	Wed	Thu	Fri	Sat			
27	28	29	30	31	1	2			
3	4	5	6	7	8	9			
10	11	12	13	14	15	16			
17	18	19	20	21	22	23			
24	25	26	27	28	29	30			
1	2	3	4	5	6	7			

Figure 5-2 Date Select

3. Click to play the video files which found on this date.

The toolbar on the bottom of Playback interface is used for controlling playing process.



Figure 5-3 Playback Toolbar

lcon	Description
	Play
Ш	Pause
	Stop
	Slow
	Fast
	Playback by frame
×	Clip the video and save to local storage
	Take a snapshot and save to local storage

Table 5-1 Description of control buttons

4. Click **Switch** to set start and end time. Click **Search** to search the video files.

00:00:00	
23:59:59	Search

Figure 5-4 Playback Time

- 5. Double click a file to play it.
- 6. The different colors of the video on the progress bar stand for the different video types.





Figure 5-6 Video Types

7. Click **more** to enter download interface. Select files then click **Download** to download the files selected.

earch Type Record All Reco Event Re Manual Time Re	ecord Record	Parameter - Start Time End Time Channel Stream Typ	2016-03-08 • • 2016-03-08 • • All Channel • Sub Stream •	00:00:00	A Y	Operation Search Download O DAV	
✓ All No.	Start Time		End Time		Size(KB)	Channel	Туре
V 1	2016-03-08 09:52:4	12	2016-03-08 09:58:16		37135	1	Time
2	2016-03-08 10:00:2		2016-03-08 10:13:02		81624	1	Time
•			III				•
			Prev	Next)		

Figure 5-7 Download Interface

8. You also can download pictures when you select Picture Type.

Туре	
Record 👻	I
Record	8
Picture	I
 Manual Record 	I
Time Record	I

Figure 5-8 Record/Picture Type

Note:

> You can choose **DAV** or **AVI** type to download files. The files will be saved in the **Record Path**, which set in Preview interface.

Chapter 6 Configuration

6.1 Version Information

Click **Config** → **Maintain** → **VerInfo** to enter Version information interface. As shown in **Figure** 6-1.



Figure 6-1 Version Information

Note:

- Some products shows "Audio Port I/O 0/0", which means they do not support audio.
- Updated version: Cloud upgrade. To query the new version, when there is new version in the server, device will upgrade by cloud. To use cloud upgrade, device must connect to internet.

6.2 Log configuration

Click **Config → Maintain → Log** to enter log interface

1. Click **Filter**, select the filter items, as shown in **Figure 6-2**. Select "Stop" or "Log full coverage" when the log is full (max 1024pcs log).

Filter	— X—
Log full Log full coverage 🔻	
Select the filter items	
V System	Configuration
V Storage	🔽 Alarm
Record	V Account
V Clear	V Playback
ОК	Cancel

Figure 6-2 Filter Setting

- 2. Set the search conditions to specify the log, including the Type, Start Time and End Time.
- 3. Click **Search** to search log files. The matched log files will be displayed on the Log list, Click the **Prev** and **Next** to see more log files. As shown in **Figure 6-3.**

Figure 6-3 Log Search

- 4. Click **Backup** to save the log files in your computer.
- 5. Click **Clear** to clean up all the logs.

6.3 General Configuration

Click **Config** \rightarrow **Setting** \rightarrow **General** to enter into the general interface.

Please follow the instructions in this section to configure the time synchronization and DST settings and video standard.

Preview	Playbac	k Alarm	Config	Logout		
 LocalSet Maintain Setting General 		Time Zone	[GMT+08:00]Beijing,	Urumqi,Singapore	- Auto	Sync PC time
 Encode Record 		System Time	1/ 1/2015	10:16:31	SyncPC	Save
 Snapshot Sett Network Image Setting Configuration Alarm Smart X Advance Option 		Display Mode Date Format Date Separator Time Format Language On Storage Full Device Ho. Video Standard	yyyy mm dd - 24-Hours English Overwrite 8 PAL	• • • •	DST	Set
		Host Name	IPCAM			Save
						Refresh

Figure 6-4 General Config Setting

- Time Zone: Support all world time zone.
- System Time: IPC time, can be synced from PC automatic or manual.

• **DST:** Enable the DST function and set the date or week of the DST period.

DST	×
Day of	Week 💿 Date
Start	2016- 3- 9 🔲 🔻 🚺 💌 : 0 💌
End	2016- 3- 9 🗊 🛛 🛨 : 0 💌
	OK

Figure 6-5 Time Setting for DST

- Date Format: year-month-day, month-day-year, day-month-year are selectable.
- **Date Separator:** ".", "-", "/" are selectable.
- Time Format: 24-Hours and 12-Hours are selectable.
- Language: There are English, Chinese, Italian, Polska, Russian, Portugues and Farsi for choice.
- Video Standard: PAL or NTSC.
- Host name: IPC's name.

6.4 Encoding configuration

Click **Config** \rightarrow **Setting** \rightarrow **Encode** to enter the encoding configuration interface. As shown in figure 6-6:

Preview	Playback	Alarm	Config	Log	jout	
ocalSet Iaintain etting General	c	hannel	1	~	Channel Name	CAM 1
 General Encode Record Snapshot Setti 		tream Type Compression	MainStream H.264	~	Stream Type Compression	SubStream v H.264 v
 Network IPv6 Email SNMP 	E	ncoding complexity nable tesolution	MainProfile Video Audic 4M(16:9)	~ ~	Encoding complexit Enable Resolution	y MainProfile ✓ ✓ Video ✓ Audio D1 ✓
 Bonjour Multicast FTP 		rame Rate(FPS) lit Rate Type	25 VBR	~	Frame Rate(FPS) Bit Rate Type	25 VBR V
 NTP Cloud DDNS NAT 	в	mage Quality lit Rate(Kb/S)	Good 6144	~	Image Quality Bit Rate(Kb/S)	Standard v 1024 v
 Access Cor UPnP-TM HTTPS 	trol	Frame Gop(100ms) 1264+/H265+ blice	20 10-	~100	IFrame Gop(100ms)	20 10~100
 Image Setting Configuration Alarm Smart 		Region Splice	Set Set		Channel Title	Set
 Line Crossing Area Intrusion Unattended O 						Save Refresh

Figure 6-6 Encoding Setting

• **Compression:** H.264 or H.265. Some model support both compression type, some model only support H.264.

- Stream Type: Main stream, substream and Mobile Stream.
- **Resolution:** video output, D1, 720p, 1080p are selectable in mainstream, QCIF, CIF, D1 are selectable in sub stream. (it depend on the IPC model)

- Frame Rate: Set the frame rate from 1 to 25 fps. The frame rate is to describe the frequency at which the video stream is updated and it is measured by frames per second (fps). The higher frame rate is advantageous when there is movement in the video stream, as it as it will keep image quality with smooth.
- **Bit Rate Type:** CBR (Constant Bit Rate) and VBR (Variable Bit Rate) are selectable.
- Image quality: When Bit Rate Type is selected as VBR, 6 levels of video quality are selectable such as Lowest, General, Normal, good, Very Good, Best.
- Bit Rate (kb/s): The higher value corresponds to the higher video quality, but the higher bandwidth is required. The limit of the bit rate value varies according to different resolution and image quality.
- I Frame Gap: Set the I-Frame interval from 10 to 100ms.
- **Region splice:** Region splice on preview.
- H264+/H265+: Click to enable H264+/H265+. Use this function record file will take less space and do not have effect on image quality. Some devices only support H264 and they only support H264+. Some devices support both H264 and H265, they support both H264+ and H265+.

How to set region splice:

- 1. Click on **Region splice** (cover) checkbox to enable the function of setting regional block.
- 2. Click Set.
- 3. Left-click the mouse, drag 👪 to draw a shelter area, as shown in **figure 6-7** and **6-8**, click **OK** and **Save**.



Figure 6-7 Region Splice Setting



Figure 6-8 Region Splice Setting

4. Click **Preview** to see the real time video, the area of video you have set sheltered will be blocked, as shown in **figure 6-9.**



Figure 6-9 Region Splice Preview

- **Time Title:** Set the time title place on the preview.
- **Channel Title:** Set the channel title place on the preview.

6.4.1 Audio Configuration

Click **Configuration > Setting>Encode** and select Audio item to enter the Audio Setting interface:

Preview	Playback	Alarm	Config	Logout	
 LocalSet Maintain Setting General Encode Audio ROI Record Snapshot Setti Network Image Setting Configuration Alarm Smart X Advance Option 	ing	Audio coding Audio input Input volume Noise reduction	G.711A LINE		50
				Save	Refresh

Figure 6-10 Audio Setting

Audio coding is the protocol of the compression. Here user can adjust the strength of the audio, value from [0-100]. Default value is 50.

Noise reduction: resist the noise from the scene.

6.4.2 ROI Configuration

Preview	Playback	Alarm	Config	Logout
🗴 LocalSet				
 Maintain Setting 				2015
 General 				2018
 Encode Audio 				
- ROI				
RecordSnapshot Set	ting			•
 Network Image Setting 				
 Configuration 		1		+
👃 Alarm 📵 Smart				
X. Advance Option				
l i i i i i i i i i i i i i i i i i i i		and the second	A A	
l				
l				
l i i i i i i i i i i i i i i i i i i i				
l i i i i i i i i i i i i i i i i i i i	CAM	1		
		·····································	1. 1. 1. 1. 1. 1.	and the state

Click **Configuration > Setting>ROI** and select Audio item to enter the ROI Setting interface:

Figure 6-11 ROI Setting

- Channel: the record channel
- Stream: the main stream record or sub stream record
- **Regional No.**: the number of the region, maximum number is 4
- Level up: the quality of the improvement

• Regional Name: Set the name of the region

6.5 Record

Click **Configuration > Setting>Record** to enter the Record Settings interface:



Figure 6-12 Record Interface

This interface includes information: channel, main stream, sub stream, pack duration, pre-record (0~30s), record control (schedule\manual\stop), time span information.

How to set record plan:

- In the time span information, Please choose what time to start recording (Monday ~ Sunday), then click set, enter the following interface:
- 2. According to the interface, 6 schedules are supported for daily record.

Default T	ime	Cu	rrent Time			Record		
			_		Standard	MD	Alarm	
Schedule1	0:00:00	~	23:59:59	*	\checkmark	\checkmark		
Schedule2	0:00:00	~	23:59:59	*				
Schedule3	0:00:00	~	23:59:59	*				
Schedule4	0:00:00	~	23:59:59	*				
Schedule5	0:00:00	* ~	23:59:59	*				
Schedule6	0:00:00	~	23:59:59	*				
Copy to other	week							
√ Sun.	Mon		Tue.		Wed.	🔲 Thu.		
🗖 Fri.	Sat.							

Figure 6-13 Time setting diagram

- 3. Select the control box to add or delete the three types of video record: normal, motion detection, alarm.
 - **Default Time:** Set to the default value: 00:00:00 or 23:59:59.
 - **Current Time:** Put the time into the current time.
- 4. Once the video program is set, and you would like to apply the configuration to other days, you can check the "All" to select all the days or check specific day.
- 5. Click **OK** to complete the setting. For now, the color chart area is a visual representation of the time zone has been set. In **Figure 6-14**:



Figure 6-14 Complete Time setting diagram

Icon	Description
	Represents a Normal Record
	Represents a Motion Detect Record
	Represents a Alarm Record

Table 6-1 Color of Record Type

- Channel: the record channel
- Stream: the main stream record or sub stream record
- Pack Duration: The default time is 60 minutes
- Pre-Record (0~30s): The video is scheduled to start before the pre recording time node
- Record Control: Schedule/Manual/Stop

6.6 Snapshot Setting

Click **Config->Setting->Snapshot** Setting to enter snapshot setting interface.

LocalSet	Playback	Alarm	Config	Logout			
Maintain							
etting							
		Channel	Channel 01	•	Picture Format	JPEG	
Encode		Charlie	Channel 01	•	The concert of the contract	JPEG	•
Record		Resolution	D1	•	Quality	Standard	-
 Snapshot Se 	tting			•		standard	
Network							
Image Settir							
Configuratio	n (-						
		SNAP mode	Time Dicture		Enable		
mart		SNAP mode	Time Picture	•	Enable		
mart				•			
Smart		SNAP mode Interval	Time Picture	•		1000~604800000	
Smart		Interval	1000	•		1000~604800000	
mart				•		1000~604800000	
mart		Interval	1000	•		1000~604800000	
Marm Smart Advance Optior		Interval	1000	•		1000~604800000 Save	Refresh

Figure 6-15 Snapshot Setting

- 1. Check the Enable checkbox to enable snapshot.
- 2. Select the quality of the snapshot.
- 3. Set the time interval between two snapshot.
- 4. Click Save to save settings.

Note:

Alarm Snapshot you should open the Alarm In function. Event-Triggered Snapshot you should open the Motion Detct, Video Shelter and Smart Alarm function.

6.7 Network Configuration

Click Config \rightarrow Setting \rightarrow Network to enter network configuration interface.

Preview	Playba	ck Alarm	Config	Logout	
) LocalSet Maintain		Network connection	Auto Negotiation	~	
 Setting General 		IP Address	192 . 168 . 4	. 110 DHCP	IP Conflict
		MAC	e4:7d:5a:f1:10:02		
 Record Snapshot Settir 	ng	Sub Net Mask	255 . 255 . 255	. 0	
 Network IPv6 		Gateway	192 . 168 . 4		
 Email SNMP 		DNS	192 . 168 . 1		
		Secondary DNS Internal IP	8.8.8		
 Multicast FTP 					
 NTP Cloud 		HS Download	☑ Transfer Mode	Fluency Preferre	
		HTTP Port	80	Media Port	34567
	trol	HTTPS Port	443	Handset Port	5801
 UPnP-TM HTTPS 		Max Users	32		
 Image Setting Configuration 		RTSP Port	554		
		RTSP URL	rtsp://[IP]:[PORT]/mode=	real&idc=[*]&ids=[*]	
Smart Advance Option				Save	Refresh

Figure 6-16 Network Setting

- IP address: Support DHCP and static IP.
- Transfer Mode: There are Fluency, Latency, Self-adaptive for choice.
- Max Users: The maximum users can be 10, it means the max number of users can login to the same network camera at the same time.
- HTTP Port: The default port number is 80, and it can be changed to any port No. which is not occupied.
- Media Port: The default server port number is 34567, and it can be changed to any port No. ranges from 0 to 65535.
- Handset (Mobile) Port: The default port number is 5801, and it can be changed to any port No. ranges from 0 to 65535.
- RTSP Port: The default port number is 554, and it can be changed to any port No. ranges from 0 to 65535.

Note:

> The system will reboot to make the settings effect.

6.7.1 IPv6

Click **Config** \rightarrow **Setting** \rightarrow **Network** \rightarrow **IPv6** to enter the IPv6 setting interface.

						_
Preview	Play	yback	Alarm	Config	Logout	
LocalSet						
① Maintain				DHCP		
🥱 Setting		IPv6	adress	2001:0db8:0:f101::b		
 General Encode 				128		
 Encode Record 		Subr	net length	120		
 Snapshot Setti 	ina	Gate	•	2001:0db8:0:f101::		
 Network 				_		
• IPv6		DNS	•			
• Email		Seco	ondary DNS			
 SNMP 						
 Bonjour 						
 Multicast 				Save	Re	fresh
 Cloud DDNS 						
DDNS NAT						
Access Cor	atrol					
 UPnP-TM 						
 HTTPS 						
 Image Setting 						
 Configuration 						
🜲 Alarm						
🛞 Smart						
🕺 Advance Option						

DHCP: Dynamic Host Configuration Protocol. Click DHCP to enable it.

IPv6 address: IP address for IPv6. The difference between IPv4 and IPv6, is IPv6 uses hex.

Subnet length: To set the length of subnet.

Gate: Similar with IPv4.

DNS: The first Domain Name System.

Secondary DNS: Use it when the first DNS cannot be used.

6.7.2 Email Configuration

					_
Preview	Playback	Alarm	Config	Logout	
LocalSet					
🕦 Maintain					
😑 Setting		SMTP Server		Mail	Server
 General 		Port		25	0~65500
 Encode 		Port		23	0~05500
 Record 				□ ss	L
 Snapshot Sett 	ing	Capture time interval			
 Network 		Capture time interval		2	~
• IPv6		User Name			
 Email SNMP 		oser rune			
 Sinivip Bonjour 		Password			
 Multicast 					
		Sender			
		Title		ALAF	RM
DDNS		Receiver1			
 NAT 		Receiver2			
 Access Co 	ntrol	Receiverz			
 UPnP-TM 		Receiver3			
 HTTPS 					
 Image Setting 					
Configuration		MailTest		Save	Refresh
👃 Alarm					
 Smart Advance Option 					
Advance Option					

Click **Config** \rightarrow **Setting** \rightarrow **Network** \rightarrow **Email** to enter the Email Settings interface.

Figure 6-17 Email Settings

- **SMTP Server:** The SMTP Server IP addresses or host name.
- Port: The SMTP port. The default TCP/IP port for SMTP is 25 (not secured). And the SSL SMTP port is 465.
- **SSL:** Click on SSL to enable it if it is required by the SMTP server.
- **Capture time interval:** The time interval of snapshot.
- User Name: The email address of the sender, and it should match with the SMTP Server

- **Password:** The password of the User Name.
- Sender: The name of the Email sender or you can leave it blank.
- **Title:** Describe the main information of the email.
- **Receiver:** The email address of user to be notified.
- Mail Test: Click Mail Test to verify whether the email configuration is successful or not.

6.7.3 SNMP

Simple Network Management Protocol (SNMP) is an Internet-standard protocol for collecting and organizing information about managed devices on IP networks and for modifying that information to change device behavior.

Click on the **Config** \rightarrow **Setting** \rightarrow **Network** \rightarrow **SNMP** into the SNMP configuration interface. There are 3 versions in SNMP, V1/V2 and V3 are shown in **figure 6-18**.

Preview	Playba	ck	Alarm	Config	Logo	ut
 LocalSet Maintain Setting General Encode Record Snapshot Sett Network IPv6 Email 	ing	☑ Ena Read o Write o Trap a Trap p	ble SNMPv1 ble SNMPv2 community community ddress		public private 127 . 0 . 162 public	0.1
 SNMP Bonjour Multicast FTP NTP 			v3 able SNMPv3 security name		public	
 Cloud DDNS NAT Access Con UPnP-TM HTTPS 	ntrol	Authe Authe Key al Private	ity level ntication algorithm ntication password Igorithm e key password		no auth,no priv O MD5 O DES	O SHA
Image Setting Configuration Alarm Smart Advance Option		Securi Authe Authe Key al	security name ity level ntication algorithm ntication password Igorithm e key password		private no auth,no priv O MD5 O DES	O SHA

Figure 6-18 SNMP Settings

6.7.4 Bonjour

The same as UPNP-TM which is used in iMAC.

Click Config > Setting > Network > Bonjour to enter the Bonjour Settings interface:

Preview Playback Alarm Config Logout ● LocalSet ● Maintain ● Enable Enable ● Setting Server name IPCamera - umkskp7sv6rm ● Record Server name IPCamera - umkskp7sv6rm ● Record Server name Server name Server name ● Network IPV6 Server Server name Server ● Network IPV6 Server Server Server ● Network IPV6 Server Server Server ● Network IPV6 Server Server Server ● Benjour Multicast Server Server Server ● NAT Access Control IPNP-TM Image Setting Image Setting Image Setting ● Narm Image Setting Ima							
 Maintain Setting General Encode Encode Record Snapshot Setting Network IPv6 Email SNMP Bonjour Multicast FTP NTP Cloud DDNS NAT Access Control UPnP-TM HTTPS Image Setting Configuration 	Preview	Play	yback	Alarm	Config	Logout	
Setting Setting IPCamera - umkskp7sv6rm IPCamera - umkskp7sv6rm IPCamera - umkskp7sv6rm IPcamera - umkskp7sv6rm Snapshot Setting Network IPv6 Email SNMP Bonjour Multicast FTP NtTP Cloud DDNS NAT Access Control UPnP-TM HTTPS Image Setting Configuration	LocalSet						
Setting General Gene	 Maintain 			5 11			
 Encode Record Snapshot Setting Network IPv6 Email SNMP Bonjour Multicast FTP NTP Cloud DDNS NAT Access Control UPnP-TM HTTPS Image Setting Configuration 	🙁 Setting			Enable			
 Record Snapshot Setting Network IPv6 Email SNMP Bonjour Multicast FTP NTP Cloud DDNS NAT Access Control UPnP-TM HTTPS Image Setting Configuration 	 General 		Sei	rver name	IPCamera -	umkskp7sv6rm	Ī
 Snapshot Setting Network IPv6 Email SNMP Bonjour Multicast FTP NTP Cloud DDNS NAT Access Control UPnP-TM HTTPS Image Setting Configuration 	 Encode 						
 Network IPv6 Email SNMP Bonjour Multicast FTP NTP Cloud DDNS NAT Access Control UPnP-TM HTTPS Image Setting Configuration 	Record						
 IPv6 Email SNMP Bonjour Multicast FTP NTP Cloud DDNS NAT Access Control UPnP-TM HTTPS Image Setting Configuration 	 Snapshot Settir 	ing					
 Email SNMP Bonjour Multicast FTP NTP Cloud DDNS NAT Access Control UPnP-TM HTTPS Image Setting Configuration 	 Network 						
 Email SNMP Bonjour Multicast FTP NTP Cloud DDNS NAT Access Control UPnP-TM HTTPS Image Setting Configuration 	 IPv6 					Cours	
 Bonjour Multicast FTP NTP Cloud DDNS NAT Access Control UPnP-TM HTTPS Image Setting Configuration 	 Email 					Save	
 Multicast FTP NTP Cloud DDNS NAT Access Control UPnP-TM HTTPS Image Setting Configuration 	SNMP						
 FTP NTP Cloud DDNS NAT Access Control UPnP-TM HTTPS Image Setting Configuration 	 Bonjour 						
 NTP Cloud DDNS NAT Access Control UPnP-TM HTTPS Image Setting Configuration 	 Multicast 						
 Cloud DDNS NAT Access Control UPnP-TM HTTPS Image Setting Configuration 	 FTP 						
 DDNS NAT Access Control UPnP-TM HTTPS Image Setting Configuration 	NTP						
 NAT Access Control UPnP-TM HTTPS Image Setting Configuration 	 Cloud 						
 Access Control UPnP-TM HTTPS Image Setting Configuration 							
UPnP-TM HTTPS Image Setting Configuration							
HTTPS Image Setting Configuration	 Access Cont 	ntrol					
Image Setting Configuration							
Configuration							
	 Image Setting 						
🔔 Alarm	 Configuration 						
	👃 Alarm						
Gmart	-						
3% Advance Option	X Advance Option						

Figure 6-19 Bonjour Settings

6.7.5 Multicast

In computer networking, multicast (one-to-many or many-to-many distribution) is group communication where information is addressed to a group of destination computers simultaneously.

Click on the **Config > Setting > Network > Multicast** into the Multicast configuration interface, set the Multicast IP and Multicast port within the required range. If different source devices want to apply the multicast, the multicast IP should be DIFFERENT. In the last, enable the function and apply. As shown in **figure 6-20**.

Preview	Play	/back	Alarm	Config	Logout	
LocalSet				· · · · ·		
 Maintain 		🗹 E	Inable			
🤭 Setting						
 General 		Mu	lticast address	224 . 1 . 2 . 4	(224.0.0.0	~239.255.255.255
 Encode 			_			
 Record 		Por	rt 🖞	40000	1025~655	34
 Snapshot Setti 	ing					
 Network 						
• IPv6					Save	Refresh
 Email SNMP 						
 SNMP Bonjour 						
 Bonjour Multicast 						
• FTP						
• NTP						
 Cloud 						
DDNS						
NAT						
 Access Cor 	ntrol					
 UPnP-TM 						
 HTTPS 						
 Image Setting 						
 Configuration 						
👃 Alarm						
③ Smart						
× Advance Option						

Figure 6-20 Multicast Settings

6.7.6 FTP Configuration

Click **Config > Setting > Network > FTP** to enter the FTP Settings interface:

Preview	Playback	د Alarm	Config	Logout	
🔋 LocalSet					
 Maintain Setting 		Туре	Record FTP	~	
			Enable		
 Record Snapshot Sett 	ina	Server	Record FTP	Port	21
 Network 		User Name			
		Password		Anonym	ous
 Email SNMP 		Directory		File Length	0 MB
		,			
 Multicast 					FTP Test
 FTP NTP 					
 DDNS NAT 		Channel	1	~	
 NAT Access Cor 	ntrol	Week Day	Mon.	 ✓ Standard 	Event
 UPnP-TM 		Schedule1	0:00:00 23:59	9:59 🗧 🗆	
 HTTPS Image Setting 		Schedule2	0:00:00 + 23:59	9:59 🜩 🗆	
 Configuration 				••••••••••••••••••••••••••••••••••••••	
🌲 Alarm				Save	Refresh
 Smart Advance Option 					

Figure 6-21 FTP Settings

- 1. Configure the FTP Server, port and remote directory. When the directory is empty, system will automatically (according to the IP, time, and channel) establish different folders.
- 2. The username and password is used to login to the FTP server.
- 3. Set up file length, channel, time and type.
 - File Length: The size of upload files. If it is less than the settings, then upload the entire file. If it is more than the set value, it will upload the part which from the beginning to setting value and abort others. If the value is 0, then upload the entire file.
 - You can also to set up two different time periods, three types of video for different

channels.

4. FTP Test: Click the test button pop-up prompts as follows. Show the FTP connection is successful or failed.



Figure 6-22 FTP server is available

5. Click **Save** to save the settings.

6.7.7 NTP Configuration

Click **Config** \rightarrow **Setting** \rightarrow **Network** \rightarrow **NTP** to enter the NTP interface

Preview	Pla	yback	Alarm	Config	Logout					
📁 LocalSet										
🕕 Maintain			Enable							
👛 Setting		Ľ								
 General 			erver IP	time.nist.gov						
 Encode 		30								
 Record 		De	ort	123						
 Snapshot Sett 	ting		JTL							
 Network 				10						
 IPv6 		U	pdate Time	10		min				
 Email 										
 SNMP 										
 Bonjour 				Save		Refresh	1			
 Multicast 										
 Cloud 										
 DDNS 										
 Access Co 	ntrol									
 UPnP-TM 										
 HTTPS 										
 Image Setting 										
Configuration										
Alarm										
③ Smart										
X Advance Option										

Figure 6-23 Time Sync by NTP Server

Configure the following settings:

- Server IP: IP address of NTP server.
- **Port:** Port of NTP server.
- **Update Time:** The time interval between the two synchronizing actions with NTP server.

6.7.8 Cloud Configuration

Click **Config** \rightarrow **Setting** \rightarrow **Network** \rightarrow **Cloud** to enter the Cloud Settings interface.

Click on **Enable** checkbox to enable the function of cloud. When the Status is connected, you can access the device via Cloud Service.



Figure 6-24 Cloud Setting Interface

The InVid Elevate App can be downloaded (for iPhone/Android) by scanning QR code. How to use InVid Elevate please refer to **User Manual of InVid Elevate**.

6.7.9 DDNS Configuration

Click **Config** \rightarrow **Setting** \rightarrow **Network** \rightarrow **DDNS** to enter the DDNS configuration interface, Shown as Figure 6-25.

Preview	Play	yback	Alarm		Config	Lo	gout
🖲 LocalSet							
 Maintain 							
👛 Setting		DE	ONS Type	Oray DD	NS	~	🗹 Enable
 General 		Dr	omain Name				
 Encode 			inan Name	test.oray	.net		
 Record 		Us	er Name	admin			
 Snapshot Sett 	ing						
 Network 		Pa	ssword	•••••	••		
• IPv6							
 Email 							
 SNMP 							
 Bonjour 			DDNS test		Save		Refresh
 Multicast 							
• FTP							
NTP							
Cloud							
 DDNS NAT 							
Access Cor	atrol						
 UPnP-TM 	iu oi						
 HTTPS 							
 Image Setting 							
 Configuration 							
🌲 Alarm							
 Smart 							
X Advance Option							

Figure 6-25 DDNS Settings

It supports multi type of DDNS such as Oray DDNS, CN99 DDNS, DynDNS DDNS, and NOIP DDNS. You need register an account before using. Here is the website URL for your reference.

DDNS type	Website						
Oray	http://www.oray.com/						
DynDNS	http://dyn.com/dns/						
NOIP	https://www.noip.com/						
CN99	http://www.pubyun.com/						

Table 6-2 DDNS

6.7.10 NAT Configuration

Click **Config** → **Setting** → **Network** → **NAT** to enter the UPNP configuration interface. see **Figure** 6-26.

Preview	Pla	yback	Alarm	Config	Logout
LocalSet					
 Maintain 			Enable		
🧑 Setting					
 General 		Me	edia Port	0	
 Encode 					
 Record 		HT	TP Port	0	
 Snapshot Se 	tting				
 Network 		Ha	ndset Port	0	
 IPv6 					
 Email 		HT	TPS Port	0	
 SNMP 					
• Bonjour		SN	MP port	0	
 Multicast 					
• FTP					
NTP					
Cloud					
DDNS					
 NAT Access C 			ensure this functio abled.	n can be used normall	y, Please make sure th
 UPnP-TM 		en	abled.		
 HTTPS 				Save	Refresh
 Image Settin 	a				
 Configuratio 					
🌲 Alarm					
 Smart 					
X Advance Option					

Figure 6-26 NAT Settings

- 1. Click on the **Enable** to enable the function of NAT, if the router UPNP function has been enabled, Media Port, HTTP Port, Handset Port will generate automatically.
- 2. Click Save to save the setting

Note:

• To ensure this function can be used normally, please make sure the router UPNP function has been enabled.

6.7.11 Access Control

Click **Config** \rightarrow **Setting** \rightarrow **Network** \rightarrow **Access control to** enter the access control interface.

Figure 6-27 Add IP for Blocked List

- 1. Select the type of restricted list, Blocked Sites and Trusted Sites are selectable.
- 2. Set the IP Blocked list for example as follow, set the IP Trusted list is in the same way. **Steps:**
 - 1) Input the IP Address manually.
 - 2) Click Add IP on the right.
 - 3) Delete IP: Left-click an IP address from the IP Blocked list and click Delete IP.
- 3. Click **Save** to save the settings.

6.7.12 UPnP™

Enable UPnP[™] setting, we can find the Network Camera as a network device on the computer. The name of the device would be the Cloud ID of the Network Camera. As shown in the **Figure 6-25**.



Figure 6-28 UPnP[™] icons

By double clicking the icon, we can access the Network Camera by browser.

6.7.13 HTTPS

The HTTP with SSL. It's a encrypted function. Click **Config** \rightarrow **Setting** \rightarrow **Network** \rightarrow **HTTPS** enter the HTTPS interface.

Preview Playback Alarm Config Logout LocalSet Maintain Enable Enable Setting Enable Enable General Encode Enable
Maintain Setting Enable General Encode
Setting Enable General Encode Encode
General Encode
Encode
Record Installation methods O Create Private certificate
Snapshot Setting
Network Oreate a certificate request and install the signed certificate
IPv6 Create Certificate No file
Create
SNMP Download Certificate Download Certificate
Bonjour Download Certificate Download Multicast Download
Delay Carl Santa
NTP Delete Delete Delete
di la la constitución de constitución
Cloud installing the resulting DDNS certificate
NAT
Access Control Save Refresh
UPnP-TM
 нттря
Image Setting
Configuration
Alarm
) Smart
Advance Option

Figure 6-29 HTTPS setting

6.8 Image Setting

Click **Config** → **Setting** → **Image** to enter Image Setting interface: **Setting** Shown as **Figure 6-26**.

Preview	Playback	Alarm	Config	Logout						v	ersion 5.5.0.58
LocalSet ① Maintain						Channel	1	~	Day/Night	Auto	~
 Setting General 		16 3	1		(speces	Brightness		1	50		
 Encode 	100	at an at			To print Cart	Contrast		-	50		
• Record	(A)				Tim Nat	Saturation		-1	50		
 Snapshot Set Network 	ting	248 500	at the	and the second s	201	Hue		-	50		
 Image Setting 	34	Same and		ALC: NO	1997	Sharpness		-1	50		
 Configuration 		AND IN THE OWNER	and the second	Cal A Day	Salles .						
🐥 Alarm 🛞 Smart	100						Auto				
X Advance Option	184	Sele 1 1 1		m. Lamen	11 13 1 2	Exposure mode	Auto	~	Exposure Time	1/25	~
		NOT DO F	Sand Street Stre	12 . 4	- Houses		Auto		Gain	1725	50
		a ana	- SPACE	2		NRLevel	3	~		Close	
				2 0		Image	Close	~			
		1 - bull	-112		-	WDR	WDR	~	Limit		50
			~ ~			Day/Night Swit	Auto	~	Rotate	Close	~
					Section Section	Filter time	1	- 5	Switch Type	IR Synchrone	ous Sw 🗸
	- 186								Sensitivity		50
	100		-			Defog	Close	~			
	500		-			SmartIR	Manual	~		50	
						SmartLight	Close	~			
						White balance	Auto	~			

Figure 6-26 Image Setting

Set the image parameters of the camera.

• Day/Night switch :

Color_ON: the camera stays with day mode.

Color_OFF: the camera stays with night mode.

Auto: the camera can switch between the day mode and the night mode according to the illumination automatically. The Day/Night Switch Threshold ranges from 10 to 50, the higher the value is, the harder the mode switches. The filtering time refers to the interval time between the

day/night switch range from 1-120s.

Sensitivity: the sensitivity to switch the Day/Night mode, if user adjusts the value smaller, it will switch earlier at dark, and switch later at dawn.

- **Day/Night** to set parameters with Auto mode and Regular mode. In regular mode, you can choose day time(others are night time) and set parameters for both day and night.
- Day begin/end time choose day time, and others are night time.
- Day, Night click to choose day or night and set parameters in day or night.
- **Brightness** describes the bright of the image, which ranges from 0~ 100 and the default value is 50.
- **Contrast** describes the contrast of the image, which ranges from 0~ 100 and the default value is 50.
- Saturation describes the colorfulness of the image color, which ranges from 0~ 100 and the default value is 50.
- Hue defines the quality of the color by its dominant wavelength, which ranges from 0~ 100 and the default value is 50.
- Sharpness describes the edge contrast of the image, which ranges from 0~ 100 and the default value is 50.
- Exposure Mode:

If the camera is equipped with the fixed lens, only Manual is selectable, the exposure time refers to the electronic shutter: 1/3, 1/4, 1/5, 1/6, 1/8, 1/10, 1/12, 1/15, 1/25, 1/30, 1/50, 1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/10000 are selectable .

If Auto is selected, according to the actual luminance condition, the network camera will adjust the exposure time automatically

- **NR level** ranges from 0 to 6, the higher value, the less noisy.
- Gain: to compensate the sensitivity of the sensor, default value is 50.
- Back Light Comp: If you focus on an object against strong backlight, the object will be too dark to be seen clearly. The function of Back Light Comp compensates light to the object in the front to make it clear. Open and close are selectable.
| Tris | Auto | | | |
|----------------|--------|---|----------------|---------------------|
| Exposure mode | Auto | ~ | Exposure Time | 1/50 ~ |
| | | | Gain | 50 |
| NRLevel | 3 | ~ | Backlight Mode | Close ~ |
| Image | Close | ~ | | Close |
| WDR | Close | ~ | Limit | BLC
HLC |
| Day/Night Swit | Auto | ~ | Rotate | Close ~ |
| Filter time | - | 5 | Switch Type | IR Synchronous Sw 🗸 |
| | | | Sensitivity | 50 |
| Defog | Close | ~ | | |
| SmartIR | Manual | ~ | — I — — | 50 |
| SmartLight | Close | ~ | | |
| White balance | Auto | ~ | | |
| | | | | |

Figure 6-27 Back Light Mode

• WDR: Wide Dynamic Range can be used when there is a high contrast of the bright area and the dark area of the scene. Open and close are selectable.

Tris	Auto		
Exposure mode	Auto	Exposure Time	1/50 ~
		Gain	50
NRLevel	3	Backlight Mode	Close ~
Image	Close	•	
WDR	Close	Limit	50
Day/Night Swit	Close	Rotate	Close ~
	DWDR		
Filter time	WDR	Switch Type	IR Synchronous Sw 🗸
Filter time		Switch Type Sensitivity	IR Synchronous Sw ~ 50
Filter time Defog		Sensitivity	
	WDR	Sensitivity	
Defog	WDR Close	Sensitivity	50
Defog SmartIR	WDR Close	Sensitivity	50

Figure 6-28 WDR

• Image: It is mirrors function. The image so you can see it with inversed. Which includes

Left & Right, Up & Down, Centre and Close. They are selectable.

- Rotate: Corridor pattern. You can select the angle, 90°, 180°, 270°.
- Defog: Equipment in the fog, haze environment image quality will decline, the automatic mode image automatic correction. Can also according to the concentration of fog, manual selection of different strength, in order to adjust the sharpness of the image. The default is off.

Tris	Auto				
Exposure mode	Auto	~	Exposure Time	1/50	~
			Gain	- I	50
NRLevel	3	~	Backlight Mode	Close	~
Image	Close	~			
WDR	Close	~	Limit		50
Day/Night Swit	Auto	~	Rotate	Close	~
Filter time	5		Switch Type	IR Synchronou	s Sw ~
Filter time	5		Switch Type Sensitivity	IR Synchronou	s Sw ∨ 50
Filter time Defog		~		IR Synchronou	
	Close Close	_		IR Synchronou	
Defog	Close	_			
Defog SmartIR	Close Close Auto Manual	_			

Figure 6-29 Defog

Smart IR: Adjustable IR brightness feature, it can adjust the IR automatically according to the image brightness. When the object is very close to the camera, the IR will be too bright for the object and it will be totally white to see the details. So Smart IR will adjust the output of IR brightness so that the object would not be so white and missing details. There are three options: Close, Manual and Auto. Close option is to close the IR, Manual is to adjust the IR brightness manually, Auto is to adjust the IR brightness automaticall

Iris	Auto			
Exposure mode		_	Exposure Time	
Exposure mode	Auto	~		1/50 ~
			Gain	50
NRLevel	3	\sim	Backlight Mode	Close ~
Image	Centre	\sim		
WDR	Close	~	Limit	50
Day/Night Swit	Auto	~	Rotate	Close ~
Filter time	1	5	Switch Type	IR Synchronous Sw ~
			Sensitivity	50
Defog	Close	~		
SmartIR	Manual	~		50
SmartLight	Close			
	Manual			
White balance	Auto	_		

Figure 6-30 Smart IR

• Smart Light: When user needs to light up the scene in order to check the details, the LED light can be turned on. There are three options for the configuration: Close, Manual and Auto. Close option is to close the Light, Manual is to adjust the Light brightness manually, Auto is to adjust the Light brightness automatically.

Tris	Auto				
Exposure mode	Auto	~	Exposure Time	1/50	~
			Gain		50
NRLevel	3	~	Backlight Mode	Close	~
Image	Centre	~			
WDR	Close	~			50
Day/Night Swit	Auto	~	Rotate	Close	~
Filter time	· · · · ·	5	Switch Type	IR Synchrono	us Sw 🗸
			Sensitivity	— I —	50
Defog	Close	~			
SmartIR	Manual	~	— I — —	50	
SmartLight	Close	~			
White balance	Close Manual Auto				

Figure 6-31 Smart Light

• White balance: To choose the white balance mode, auto and manual. In manual mode, you can set white balance by hand, to set R(red) gain and B(blue) gain.

		зензичну		
Defog	Close 🗸	•		
SmartIR	Manual 🗸		50	
SmartLight	Close 🗸	•		
White balance	Manual	•		
White balance r gain	50	White balance b gain		50

Note:

• Some models don't support Smart Light function, Smart IR, or IR Sensitivity features, the related configuration would be hidden.

6.9 Configuration of restore/import/export

Preview	Play	yback	Alarm	Config	Logout	
 LocalSet Maintain Setting General Encode Record Snapshot Se Network Image Settin Configuratio Alarm Smart Advance Option 	ng		ore default setting	General Network Motion Detect Encode Snapshot Setting Storage Manage		Channel Name Record Alarm Image Setting Smart Execute
		Resto	ore factory reset			
						Execute
		Expo	rt Config			Export
		- Impo	ort Config			Import

Click **Config** \rightarrow **setting** \rightarrow **Configuration** to **e**nter the configuration interface:

Figure 6-32 Configuration

- 1. Click on the checkbox of those item you want to restore, and click the Default button, then all the configurations of the selected item will restore to the default.
- 2. Click Export button to export all the configurations of the network camera in a .coi file.
- 3. Click Import button to import in a .coi file .

Note:

• If Network has been choose in the list, the IP address is also restored to the default IP address, please use this very carefully.

6.10 Alarm

6.10.1 Motion Detect

Click **Config** \rightarrow **Alarm** \rightarrow **Motion Detect** to Enter the Motion Detect interface:

Motion detection detects the moving objects in the configured surveillance area, and a series of actions can be taken when the alarm is triggered.

Preview	Playback	c Alarm		Config		Logout						
 LocalSet Maintain Setting Alarm Motion Detect Alarm In 		Event Type Channel Region	Mo	Motion Detection I Image: Sensitivity Set								
 Alarm Out Smart Advance Option 		Schedule Alarm Out Show Message Record CHN Record delay	1		~300	Interval Alarm delay Send Email	5	Sec Sec	10~300			
		PTZ Act Enable Tour Buzzer Snapshot	1	Set		SmartLight		R	tefresh			

Figure 6-33 Motion Detection Setting

- **Sensitivity:** Lowest, Lower, Middle, High, Higher, Highest are selectable, the higher sensitivity, the more sensitive for detecting moving objects;
- Set the detection area steps:
 - 1) Click Set.
 - 2) Click and drag the mouse on the live video to draw a motion detection area.
 - 3) Click **Ok** to finish drawing one area. Shown as **figure6-34**.
 - 4) (Optional) Click **Cancel** to cancel the setting.
 - 5) (Optional) Click **Snapshot** to capture an image.



Figure 6-34 Area setting of Motion Detection

- Set the Arming Schedule for Motion Detection.
 - 1) Click **Set** to edit the arming schedule. The **Figure 6-35** shows the editing interface of the arming schedule.

Sched	lule			-31									x
0	2	4	6	8	10	12	14	16	18	20	22	24	
						Sun.							Set
	•		,		1	Mon			1		1		Set
	1	•	ľ		1	Tue.	1	•					Set
	I		•		I	Wed			ľ				Set
	•	•	•		I	, Thu.	•						Set
	1	•	ł		I	Fri.	1	•					Set
		1	1	1	1	Sat.				1			Set
					ОК				Cancel				

Figure 6-35 Alarm Schedule Setting

- 2) Choose the day you want to set the arming schedule.
- Click Set to set the time period for the arming schedule, Shown as figure 6-36.

	Default Time		•	Current Tim	e			
Schedule1	6:00:00	*	~	10:00:00	*	V		
Schedule2	13:00:00	*	~	16:59:59	*			
Schedule3	20:00:00	*	~	23:59:59	-			
Schedule4	0:00:00	*	~	23:59:59				
Schedule5	0:00:00	*	~	23:59:59	-			
Schedule6	0:00:00	*	~	23:59:59	-			
Copy to othe	r week							
🔲 Sun.	√ Mon.	E	Tu	e.	Wed.	🔽 Thu.		
Eri.	Sat.							

Figure 6-36 Alarm Schedule Setting

- 4) (Optional) After you set the arming schedule, you can copy the schedule to other days.
- 5) Click **OK** to save the settings.
- Interval: Set the interval time ranging from 0-600s.
- **Email**: Send an email with alarm information to a user or users when an event occurs.
- **Snapshot**: Click on the Snapshot to enable the function of taking a picture when an alarm event occurs.

Note:

• The time of each period can't be overlapped. Up to six periods can be configured for each day.

6.10.2 Video Shelter

Click **Config** \rightarrow **Alarm** \rightarrow **Motion Detect** enter the Motion Detect interface. You can configure the camera to trigger the alarm when the lens is covered and take some certain alarm response actions. Shown as **Figure 6-37.**

Preview	Playbad	:k Alarm	C	onfig	Logout	
 LocalSet Maintain Setting Alarm Motion Detect Alarm In Alarm Out 		Event Type Channel	Video Shelte	r Ena	↓ Sensitivity	Middle
 Smart Advance Option 	l	Schedule Alarm Out Show Message Record CHN	Set		Alarm delay 10	Sec 10~300
	l	Record delay PTZ Act Enable Tour Buzzer Snapshot	10 Set	ec 10~300)	
					Save	Refresh

Figure 6-37 Video Shelter Setting

- 1. Select the Event Type as Video Shelter.
- 2. Click **Enable** to enable the video shelter detection.
- 3. Set the Sensitivity level, Lowest, Lower, Middle, High, Higher, Highest are selectable, the higher sensitivity, the more sensitive for detecting video tampering;
- 4. Click **Set** to edit the arming schedule.
- 5. Choose the day you want to set the arming schedule.
- 6. Click **Set** to set the time period for the arming schedule.
- 7. (Optional) After you set the arming schedule, you can copy the schedule to other days.
- 8. Click **OK** to save the settings.

6.11 Smart Alarm

6.11.1 Line Crossing

This function can be used for detecting people, vehicles and objects cross a set virtual line. The line crossing direction can be set as bidirectional, from left to right or from right to left. And you can set the duration for the alarm response actions, such as full screen monitoring, audible warning, etc.



Click Config> Smart > Line Crossing to Enter the Line Cross Detection settings interface:

Figure 6-38 Line Cross Setting

- 1. Check the checkbox of **Enable** to enable the function.
- 2. Select the line from the drop-down list for detection settings.
- 3. Click the **Plot Area** button, and a virtual line is displayed on the live image.
- 4. Click-and-drag the line, and you can locate it on the live image as desired.
- 5. Click on the line, two red squares are displayed on each end, and you can Click-and-drag one of the red squares to define the shape and length of the line.
- 6. Select the direction for line cross detection. And you can select the directions

as A<->B, A ->B, and B->A.

- A<->B: Only the arrow on the B side shows; when an object goes across the plane With both direction can be detected and alarms are triggered.
- A->B: Only the object crossing the configured line from the A side to the B side can be detected.
- **B->A**: Only the object crossing the configured line from the B side to the A side can be detected.
- 7. Click-and-drag the slider to set the detection sensitivity.
 - Sensitivity:
 - Range [1-100]. The higher is, the more easily the line crossing action can be detected.
- 8. Repeat the above steps to configure other lines. Up to 4 lines can be set. You can click the **Clear** button to clear all pre-defined lines.
- 9. Click the **Time Periods** button to set the arming schedule.
- 10. Select the linkage methods for line cross detection, including Alarm out, Send Email, Record and Snapshot.
- 11. Click **Save** to save the settings.

6.11.2 Area Intrusion

Intrusion detection function detects people, vehicle or other objects which enter and loiter in a pre-defined virtual region, and some certain actions can be taken when the alarm is triggered.

Preview	Playback	Alarm	Config	Logout				
LocalSet			-					Version 5.5.0.58
 Maintain 								
Setting		21	386	*12.00.00 H	Channel 1	Enable Ena		
Alarm		sta 2	and a	217-01-03 1	Warning surfaces			
Smart		1000 4	ALC: NO			1	~	
 Line Crossing 	5151	9 6 4	1000		Time Threshold(s)		0	
 Area Intrusion 	101	S	1998 - A.	all and a second	Sensitivity		50	
	bject		State Sint		Percent		- 1	
			1000		Action			
 Region Entrar 			1 2 2 2 10 10		Schedule	Time Periods Inter	rval 5 Sec	0~600
 Region Exiting 				NUMBER OF STREET	Alarm Out	1 Alar	m delay 10 Sec	10~300
 Fast Moving Face Detection 		A. 446.6	and the second	No. Diamo	Show Message		end Email	
 Face Detection Loitering Detection 				e tim pro			end cmail	
 People Gather 			Distantia di statuti di		Record CHN	1		
 Parking Detection 		the lot	Vas V	Part of the local division of the local divi				
X Advance Option	10	2 2 1	0	- Jan 10	Record delay	10 Sec 10~300		
	10 yr	100	100		PTZ Act	Set SmartLight S	martlight 10 See	10~300
		~~/~ /~d/			Tour	1		
			Se					
		~ ~			Buzzer			
			2		Snapshot	1		
	i i i i i i i i i i i i i i i i i i i							
	052	881 <i>)</i>		4	102 J	Save	Refresh	
	Ple	ot area Clear						

Click config> Smart> Area Intrusion to enter the Intrusion Detection settings interface

Figure 6-39 Intrusion Detection Setting

- 1. Check the checkbox of Enable Intrusion Detection to enable the function.
- 2. Select the region from the drop-down list for detection settings.
- 3. Click the Plot Area button to start the region drawing.
- 4. Click on the live video to specify the four vertexes of the detection region.
- 5. Set the detection sensitivity for intrusion detection.

- **Sensitivity**: Range [1-100]. The value of the sensitivity defines the size of the Object which can trigger the alarm. When the sensitivity is high, a very small object can trigger the alarm.
- **Time Threshold**: Range [0-10]. The value of the time that objects enter inside the defined area.
- **Percent**: Range [1-100]. The values of the percentage that object intrude the area.
- 6. Repeat the above steps to configure other regions. Up to 4 regions can be set.
- 7. You can click the Clear button to clear all pre-defined regions.
- 8. Click the Time Periods button to set the arming schedule.
- 9. Select the linkage methods for intrusion detection, Alarm out, Send Email, Record and Snapshot.
- 10. Click Save to save the settings.

6.11.3 Unattended Object

Unattended object detection function detects the objects left over in the pre-defined region such as the baggage, purse, dangerous materials, etc., and a series of actions can be taken when the alarm is triggered.



Click Config> Smart > Unattended Object to enter the unattended object settings interface

Figure 6-40 Unattended Object Setting

- 1. Check the checkbox of Enable to enable the Unattended Object function.
- 2. Select the region from the drop-down list for detection settings.
- 3. Click the Plot Area button to start the region drawing.
- 4. Click on the live video to specify the four vertexes of the detection region.
- 5. Set the detection sensitivity for Unattended Object detection.
 - **Sensitivity**: Range [1-100]. The value of the sensitivity defines the size of the Object which can trigger the alarm. When the sensitivity is high, a very small object can trigger the alarm.
 - Time Thresholds: Range [5-3600]. The value of the time that objects unattended inside

the defined area.

- 6. Repeat the above steps to configure other regions. Up to 4 regions can be set.
- 7. You can click the Clear button to clear all pre-defined regions.
- 8. Click the Time Periods button to set the arming schedule.
- Select the linkage methods for unattended object, Alarm out, Send Email, Record and Snapshot.
- 10. Click **Save** to save the settings.

6.11.4 Object Missing

Object missing detection function detects the objects removed from the pre-defined region, such as the exhibits on display, and a series of actions can be taken when the alarm is triggered.

Preview Play	back Alarm	Config	Logout			Version 5.5.0.5
 LocalSet Maintain Setting Alarm Smart Line Crossing Area Intrusion Unattended Object Object Missing Region Entrance Active State Fing Detection Parking Detection Parking Detection Active Region Entrance 	Plotarea Clean			Warning surfaces Time Threshold(s) Sensitivity Action Schedule Alarm Out Show Message Record CHN Record delay PTZ Act Tour Buzzer	Image: Save Enable Image: Save Image: Save	Version 5.5.0.5 0-600 10-300 Sec 10-300

Click **Config> Smart > Object Missing** to enter the object missing settings interface.

Note:

- Please refer to the chapter 6.11.3 unattended object for operating steps to configure the Object missing detection.
- The threshold [5-3600] in the Rule Settings defines the time of the objects left over in the region. If you set the value as 10, alarm is triggered after the object is left and stay in the region for 10s. And the Sensitivity defines the similarity degree of the background image. Usually, when the sensitivity is high, a very small object left in the region can trigger the alarm.
- > Up to 4 rules can be configured.

6.11.5 Region Entrance

Region Entrance detection function detects people, vehicle or other objects which enter a pre-defined virtual region from the outside place, and some certain actions can be taken when the alarm is triggered.



Click **Config > Smart > Region Entrance** to enter the Region Entrance settings interface.

Figure 6-41 Region Entrance Setting

- 1. Check the checkbox of Enable to enable the Region Entrance detection function.
- 2. Select the region from the drop-down list for detection settings.
- 3. Click the Plot Area button to start the region drawing.
- 4. Click on the live video to specify the four vertexes of the detection region.
- 5. Set the detection sensitivity for Region Entrance detection.
 - **Sensitivity**: Range [1-100]. The value of the sensitivity defines the size of the Object which can trigger the alarm. When the sensitivity is high, a very small object can trigger the alarm.
- 6. Repeat the above steps to configure other regions. Up to 4 regions can be set.
- 7. You can click the Clear button to clear all pre-defined regions.
- 8. Click the Time Periods button to set the arming schedule.
- 9. Select the linkage methods for Region Entrance, Alarm out, Send Email, Record and Snapshot.
- 10. Click **Save** to save the settings.

6.11.6 Region Exiting

Region exiting detection function detects people, vehicle or other objects which exit from a pre-defined virtual region, and some certain actions can be taken when the alarm is triggered.

Click **Config > Smart > Region Exiting** to enter the Region Exiting settings interface.



Note:

- Please refer to the chapter 6.11.5 Region Entrance for operating steps to configure the Region Exiting detection.
- ➢ Up to 4 rules can be configured.

6.11.7 Fast Moving

Fast moving detection alarm is triggered when people, vehicle or other objects move fast in a pre-defined virtual region, and a series of actions can be taken when the alarm is triggered



Click **Config > Smart > Fast Moving** to enter the Fast Moving settings interface.

Note:

- Please refer to the chapter 6.11.5 Region Entrance for operating steps to configure the Fast moving detection.
- > The Sensitivity in the Rule Settings defines the moving speed of the object that can trigger

the alarm. The $\frac{2}{28E}$ higher the value is, the more easily a moving object can trigger the alarm.

> Up to 4 rules can be configured.

6.11.8 Face Detection

Face detection alarm is to detect face, when someone get into the pre-defined virtual region, and a series of actions can be taken when the alarm is triggered.



Click **Config > Smart > Face Detection** to enter the Face Detection setting interface.

1. Check the checkbox of Enable Face Detection to enable the function.

2.Select the region from the drop-down list for detection settings.

3. Click the Plot Area button to start the region drawing.

4. Click on the live video to specify the vertexe of the detection region.

5.Set the detection sensitivity for face detection.

- **Sensitivity**: Range [1-5]. The higher sensitivity is, the easier face can be detected.
- 6.Only 1 regions can be set.

7.You can click the Clear button to clear pre-defined region.

8. Click the Time Periods button to set the arming schedule.

9.Select the linkage methods for face detection, Alarm out, Send Email, Record and Snapshot.10.Click Save to save the settings.

6.11.9 Loitering Detection

Loitering Detection alarm is triggered when people, go straight and back at least 3 times, or go not in a straight line in a pre-defined virtual region, and some certain actions can be taken when the alarm is triggered.

Click **Config > Smart > Loitering Detection** to enter the Loitering Detection setting interface.



1. Check the checkbox of Enable Loitering Detection to enable the function.

2.Select the region from the drop-down list for detection settings.

3. Click the Plot Area button to start the region drawing.

4. Click on the live video to specify the four vertexes of the detection region.

5.Set the detection sensitivity for loitering detection.

- **Sensitivity**: Range [1-100]. The higher sensitivity is, the easier Loitering Detection can be trigerred.
- **Time Thresholds**: Range [0-10]. The value of the time that people get into the defined area.
- **Mode**: 3 modes can be chosen in Loitering Detection, Offset, Weight and Journey. You can choose one, two or all of them.

6.Repeat the above steps to configure other regions. Up to 4 regions can be set.

7.You can click the Clear button to clear pre-defined region you view now.

8.Click the Time Periods button to set the arming schedule.

9.Select the linkage methods for loitering detection, Alarm out, Send Email, Record and Snapshot.

10.Click **Save** to save the settings.

6.11.10 People Gathering Detection

People Gathering Detection alarm is triggered when there are many people in a pre-defined virtual region, and some certain actions can be taken when the alarm is triggered.

Click **Config > Smart > People Gathering Detection** to enter the Loitering Detection setting interface.

ing m st t tine Crossing Area Intusion Unattended Object Unattended Object Diget Missing Region Entrance Region Entr	eview	Playback	Alarm	Config	Logout		
system Info • Verifio · og ing m mt tit ine Crossing Kare Intrance Region Exiting Region Exiting Region Exiting Region Exiting Region Exiting Region Exiting Region Exiting Region Exiting Record Gelay 10 Sec 10-300 · PTZ Act · Set · Smartlight Smartlight Smartlight 10 · Divertige · Diver							
tern Info Verdriko Percent a Intrusion Internade Object Interna Detection Reing Detection Reing Detection Reing Detection Reing Obtection Reing Detection Reing Detection Rein		2.200	No. Chief and the second			Channel	1 V Enable
Log thing wind vard Line Crossing Area Intrusion Uatented Globet Object Missing Region Entrance Region Entrance Region Entrance Region Entrance Record CHN Parking Detection Numee Option Record CHN Construction Record CHN Construction Record CHN Construction Con		662	ALTER ALTER			ANALY CONTRACT	
etting arm mat Line Crossing Area Intrusion Object Missing Region Exiting Fast Moving Fast Detection Detection Region Exiting Fast Moving Fast Detection Region Exiting Fast Detection Fast Detection Region Exiting Fast Detection Fast Detection Fast Detection Fast Detection Fast Detection Fast Det		(20E	the set	11-1-1-1(1)		Warning surfa	ices 1 T
And and the constraints of the c		Contract of the local division of the local		in the second		Percent	
nart Line Crossing Area Intraine Unartended Object Object Missing Region Entraine Region Entraine Region Entraine Response Cathering Detection Undering Detection Parking Dete		160			taking an open the state of	CALIFORNIA CALIFORNIA	50
Area Truncion: Unattended Object Object Missing Region Extrance Region Extrance Region Extrance Region Extrance Pack Moving Face Detection Undersing Detection Vance Option				Configuration of the second	hard wet would		<u> </u>
Area Intrusion Intervalo Unattended Object Object Mizsing Region Entrance Region Entrance Region Entrance Record CHN Schedule Interval Diattended Object Schedule Loitening Detection Schedule Record CHN Interval Parking Detection See Reare Option See Schedule Interval Schedule Interval Schedule Interval Schedule Interval Record CHN Interval Record CHN Interval Record CHN Interval Parking Detection See Record CHN Interval Record CHN Interval Buzzer Interval Snapshot Interval	Line Crossing		1 Standard	de catal	AND THE WAR		
Unattended Object Object Missing Region Exiting East Moving Face Detection Lottering Detection Revende Cathering Detection Revende Cathering Detection Revende Cathering Detection Revende Object Parking Detection Revende Cathering Detecti			t about the	AN STREET	A BULL AN MUNICE	28 102065	
Region Entrance Region Exiting Tast Moving Ease Detection Lotering Detection dvance Option Record Cathering Detection dvance Option Record Cathering Detection Record Detection Record Detection Record Detection Record Detection Record Detection Record Detection Record		1000	1 2 2		A SHARE AND A		Interval
Region Exiting Fast Moving Fase Detection clotering Detection dvance Option $\begin{bmatrix} Record CHN \\ I \\ \\ $			CARACTER DAMAS	Statistics.	. Aug. and interior	A STATE I	
 Fass Moving Fase Detection Lockering Detection dvance Option Record Galay Sec 10-300 PTZ Act Sec 30-300 PTZ Act Sec 40-300 PTZ Act Sec 50 Smartlight Smartlight 10 Buzzer Snapshot 			C. STRAC	Ma Shinks	Carles St.	Show Mess	
Eace Detection Lockering Detection Parking Detection dvance Option Record delay 10 Sec 10-300 PTZ Act Sec SmartLight Smartlight In SmartLight Smartlight Sec SmartLight SmartLight Smartlight Sec SmartLight Smar		5 P. 1	PARK ST. AND	人名阿姓瓦	H ROMAN SHE	Record CHI	N 1
Lotering Detection People Gathering Detection dvance Option Record delay 10 Sec 10-300 PTZ Act Set Smartlight Smartlight 10 Discore Buzzer Smaphot 1 Discore Disc			1.9. A. M. S.	THURSDAY	TT THE TAX AND	169.c. N	
Despie Guadwing Dete Parking Detection dvance Option PTZ Act Set Smartlight Smartlight ID Provide Control Incorr <			ALC: NO.	HE COLOR	CALL AND SOU	Record delay	10 Sec 10~300
dvance Option dvance Option u			A STATE	AN A CARLES	and the second second second second	PTZ Act	Set SmartLight Smartlight 10
dvance Option	· Parking Dete	tion	6	AND AND A	No. of the last		
Snapshot	Advance Option	1.2	C JII C	BRANK EVA	KON PARA		
		198		10		Buzzer	
Save Refresh			HALL	AND ALL	And the state of the state	Snapshot	1
Save Refresh			() TO () (A LAND		
Save Refresh			P.L al	1150	ALANTHE .		
		And and a second			Contraction of the local division of the loc		Save Refresh

1. Check the checkbox of Enable People Gathering Detection to enable the function.

2.Select the region from the drop-down list for detection settings.

3. Click the Plot Area button to start the region drawing.

4. Click on the live video to specify the four vertexes of the detection region.

5.Set the detection sensitivity for people gathering detection.

- **Sensitivity**: Range [1-100]. The higher sensitivity is, the easier People Gathering Detection can be triggered.
- **Percent**: Range [1-100]. The values of the percentage that people intrude the area.

6.Repeat the above steps to configure other regions. Up to 4 regions can be set.

7.You can click the Clear button to clear pre-defined region you view now.

8. Click the Time Periods button to set the arming schedule.

9.Select the linkage methods for people gathering detection, Alarm out, Send Email, Record and Snapshot.

10.Click **Save** to save the settings.

6.11.11 Parking Detection

Parking Detection alarm is triggered when park in a pre-defined virtual region, and some certain actions can be taken when the alarm is triggered.

Click **Config > Smart > Parking Detection** to enter the Parking Detection setting interface.

Preview	Playback	Alarm	Config	Logout					Version 5.5.0.5
LocalSet									Version 5.5.0.5
Maintain						Channel 1	~ 🗹 Er	vable	
			and the second			Channel 1	· •	abie	
			Sec. Sal	The second second	1	Warning surfaces	1	~	
• Log		Sugar.	A State Strength Strength	Contraction in succession in the local distance of the local dista		Time Threshold(s)		5	
Setting	1.2								
🌲 Alarm 🛞 Smart	44		No.	- State of 1		Sensitivity		50	
 Smart Line Crossing 	- 27			ALCON.					
 Area Intrusio 						Action			
 Unattended 			THE AVEN	Contraction of the	100	Schedule	Time Periods	Interval 5 Se	c 0~600
 Object Missi 			and the			Alarm Out	1	Alarm delay 10 Se	c 10~300
 Region Entra 			A COLUMN STORY	THE REAL PROPERTY OF		Show Message		Send Email	
 Region Exitin 	g and a second		1 at all	Contraction of the		Record CHN	1		
 Fast Moving 			19		11 12				
 Face Detection 		1. al .			No. of Lot, No.	Record delay	10 Sec 10~	-300	
 Loitering Det 					Marca				
People Gathe		F 1, 1989 1 🚅	10	1		PTZ Act	Set Sma	rtLight Smartlight 10	Sec 10~300
 Parking Dete Advance Option 		∠ <u>/</u> `				Tour	1		
Advance Option	100		-			Buzzer			
	100		1			Snapshot	1		
	100								
	- Dr	State of the second						Save Refresh	
	100								
	P	lot area Clear							

1. Check the checkbox of Enable Parking Detection to enable the function.

2.Select the region from the drop-down list for detection settings.

3. Click the Plot Area button to start the region drawing.

4. Click on the live video to specify the four vertexes of the detection region.

5.Set the detection sensitivity for parking detection.

- **Sensitivity**: Range [1-100]. The higher sensitivity is, the easier Parking Detection can be triggered.
- **Time Thresholds**: Range [5-20]. The value of the time that car stops in the defined area.

6.Repeat the above steps to configure other regions. Up to 4 regions can be set.

7.You can click the Clear button to clear pre-defined region you view now.

8. Click the Time Periods button to set the arming schedule.

9.Select the linkage methods for parking detection, Alarm out, Send Email, Record and Snapshot. 10.Click **Save** to save the settings.

Chapter 7 Advanced Option

7.1 Storage Manager

7.1.1 Base(Micro SD card)

	ack Alarr	n Co	onfig L	ogout			
ocalSet							
laintain	Disk	Status	ATTR	Туре	Total	Free	Group
VerInfo	[1]	Normal	RW	(Local)	7.00GB	0.00GB	
Log	[2]	No Disk					**
etting	[3]	Normal	RW	(Net)	0.75GB	0.00GB	
arm	[4]	No Disk					
mart	[5]	No Disk					
dvance Option	[6]	No Disk					
Storage Manage	[7]	No Disk					
• Base	[8]	No Disk					
Upgrade	Total	7.75GB	Free	0.00GB		Forma	t Add
Record Control						Torma	Add
Record Control Account Auto Maintenance	Record used		50GB			Toma	Add
Account	Record used Picture used					Torma	Add
Account		0.	50GB 25GB 75GB			Torma	Aud
Account	Picture used	0.	50GB 25GB 75GB			Torma	Aud
Account	Picture used Volumes	0. 7. 80	50GB 25GB 75GB			- Units	AUG
Account	Picture used Volumes Record Quota(%)	0. 7. 80	50GB 25GB 75GB			, coms	

Click **Config** \rightarrow **Advance Option** \rightarrow **Base** to enter the Base settings interface.

Figure 7-1 Base (Micro SD) Settings interface

1. Format the card and set the quota. It will display the progress bar when format the TF card.

Preview	Playback	¢ 🖉	Alarm	Col	nfig	Logout				
Multicast FTP									-	
		Dis (1)		Status ormal	RW	R Typ (Local)	e 14.57		Free	Group
		[2]		ormai o Disk		(LOCAI)	14.57	00	30	
		[3]		ot formatted	RW	(Net)	2.00G		GB	
		[4]		o Disk						
	rol	[5]	N	o Disk						
		[6]		o Disk						
		[7]		o Disk						
		181	N	o Disk						
Image Setting Configuration										Format
		Total		16.57GB	Free	10.760	20			
		1013		20.37/36	1100	10.76				Delete
Line Crossing Area Intrusion		Record C	Capacity		11.25GB		Message	_	<u>_</u>	
ra Intrusion attended Ob										
bject Missing		Record u	used		2.25GB	_	dmOntClea	arDataSuccess		
gion Entranc		Pictrue Ca	apacity		2.75GB		amopteret			
		Picture us	sed		4.25GB	_				
Fast Moving Face Detection		Record Q	Quota(%)		80	_		确定		
Loitering Detection		Picture Q			20		_	_		
 People Gatheri 		Picture Q	Snota(20)		20					
Parking Detecti										
 Storage Manager 	ie i									
									Save	Refresh
 Auto Maintena 	ice 👘									

2. Click **save** to save settings.

Note:

•

You need to open recording setting, snapshot setting. Please refer to chapter 6.5.

7.1.2 NAS

Preview	Playback	Alarm	Config	Logout		
🛙 LocalSet						
D Maintain						
 VerInfo 		Disk No.	Туре	Server address	File path	Space(GB)
• Log		1	NAS			1
Setting		2	NAS			1
Alarm		3	NAS			1
Smart		4	NAS			1
Advance Option		5	NAS			1
 Storage Man 	age	6	NAS			1
Base		7	NAS			1
NAS		8	NAS			1
 Upgrade 						
 Record Contr 	ol					
 Account 						
 Auto Mainten 	ance					
						.
					Save	Refresh

Click **Config** \rightarrow **Advance Option** \rightarrow **Storage Manage** \rightarrow **NAS** to enter the NAS Settings interface:

Figure 7-2 NAS interface

1. Double click the table to enter the NAS settings interface.

Preview	Playbac	k Alarm	Config	Log	out	
LocalSet						
🕕 Maintain					Schedule	X
 VerInfo 		Disk No.	Туре	Serv	schedule	
		1	NAS			
🤨 Setting		2	NAS			
👃 Alarm		3	NAS		Disk No.	1
 Smart 		4	NAS			
X Advance Option		5	NAS		Туре	NAS
 Storage Mana 	age	6	NAS		Server address	
 Base 		7	NAS		Server address	
		8	NAS		File path	
 Upgrade 						
 Record Control 	ol				Mount type	NFS
 Account 						
 Auto Mainten 	ance				Space(GB)	1
				_	User Name	
				_	- OSCI Wallie	
					Password	
				_		
				_	Save	Test

Figure 7-3 NAS Settings interface

- 2. Input the Server address, File path and Space and select mount type.
 - Server address: IP of NAS Server.
 - File path: The directory is made in NAS Server.

- Mount type: Support NFS and CIFS
- 3. After completing you can click **Test** to test the availability of NAS.

Preview	Playback	Alarm	Config	Log	out		
LocalSet							
 Maintain 					Schedule		23
 VerInfo 		Disk No.	Туре	Serv		and the second second	
 Log 		1	NAS	192.16			
🙁 Setting		2	NAS	192.16			
👃 Alarm		3	NAS		Disk No.	1	
🛞 Smart		4	NAS				
🕺 Advance Option		5	NAS		Туре	NAS	
 Storage Mana 	ige	6	NAS		Server address		
• Base		7	NAS		Server address	192.168.9.49	
• NAS		8	NAS	_	File path	Message 23	
• Upgrade							
 Record Control 	DI			_	Mount type	Test OK!	
Account				_			
 Auto Maintena 	ance				Space(GB)		
					User Name		
						ОК	
				_	Password		
		1					
						Save Test	

Figure 7-4 NAS IP is available

4. Click **Save** to add the network disk.

Preview	Playback	Alarm	Config	Logout		
🗊 LocalSet						
 Maintain 	_					
 VerInfo 		Disk No.	Туре	Server address	File path	Space(GB)
 Log 		L	NAS	192.168.9.49	/volume1/nas1	10
🔅 Setting		2	NAS	192.168.3.49	/volume1/nas2	1
👃 Alarm		3	NAS			1
🕑 Smart		4	NAS			1
× Advance Option		5	NAS			1
 Storage Mana 	age	6	NAS			1
 Base 		7	NAS			1
 NAS 		8	NAS			1
 Upgrade 						
 Record Contri 	ol					
 Account 						
 Auto Mainten 	ance					
		1				
					Save	Refresh

Figure 7-5 NAS was added

5. Enter the Base Settings interface
 Configuration → Advance Option → Storage Manage → Base

Preview	Playback	Alarn	n Co	onfig	Logout			
LocalSet								
Maintain		Disk	Status	ATTR	Туре	Total	Free	Group
 VerInfo 		[1]	No Disk					
 Log 		[2]	Normal	RW	(Net)	9.75GB	9.50GB	
Setting		[3]	No Disk					
Alarm		[4]	No Disk					
Smart		[5]	No Disk					
Advance Option		[6]	No Disk					
 Storage Mana 	age	[7]	No Disk					
Base		[8]	No Disk					
• INAS		4						
 Upgrade 		Total	9.75GB	Free	9.50GB		Forma	t Delete
 Record Contr 	ol							
 Account 				25.0P				
 Account Auto Mainten 	ance	Record used	0.	25GB				
	ance	Record used Picture used		25GB 00GB				
	ance	Picture used	0	00GB				
	ance		0					
	ance	Picture used	0.	00GB 75GB				
	ance	Picture used Volumes Record Quota(%)	0 9 8	00GB 75GB				
	ance	Picture used Volumes	0 9 8	00GB 75GB				
	ance	Picture used Volumes Record Quota(%)	0 9 8	00GB 75GB				
	ance	Picture used Volumes Record Quota(%)	0 9 8	00GB 75GB				
	ance	Picture used Volumes Record Quota(%)	0 9 8	00GB 75GB			Refresh	Save

Figure 7-6 Base Interface

6. The NAS disk is not formatted, please select the disk and click Format to start initializing the disk. **Figure 7-7** is formatted.

Preview	Playback	Alarm	c	onfig L	ogout			
LocalSet								
i) Maintain		Disk	Status	ATTR	Туре	Total	Free	Group 🚔
 VerInfo 		[1]	No Disk					
Log		[2]	No Disk					
Setting		[3]	Normal	RW	(Net)	0.75GB	0.50GB	
👃 Alarm		[4]	No Disk					
🖲 Smart		[5]	No Disk					
K Advance Option		[6]	No Disk					
 Storage Mana 	ige	[7]	No Disk					
		[8]	No Disk					
 NAS 		I						
 Upgrade 		Total	0.75GB	Free	0.50GB		Format	Delete
 Record Control 	ol							
 Account 			1	0.25GB				
 Auto Mainten 	ance	Record used						
		Picture used		0.00GB				
		Volumes		0.75GB				
		volumes						
		Record Quota(%)	•	80				
		Picture Quota(%)		20				
		C			-			
							Refresh	Save
							netresh	Save

Figure 7-7 Normal

- 7. Set the quota for record and pictures
- 8. Click Save to save settings.

Note:

• NAS store need to set record setting, snapshot setting enable firstly. Please refer to chapter 6.5.

7.2 Upgrade

Preview	Playback	Alarm	Config	Logout
LocalSet	Thyback		coning	Logour
 Maintain 				
 VerInfo 				
• Log		Select upgrade fil	e	
🙁 Setting				
👃 Alarm				
Smart				
X Advance Option				
 Storage Man Base 	age			
 Base NAS 				
Upgrade				
 Record Contr 	rol			
 Account 				
 Auto Mainten 	ance			

Click **Config** → Advance Option → Upgrade to Enter the Config interface:

Figure 7-8 Upgrade

1. Click Select upgrade file.

2. Click Browse to select the local upgrade file and then click Upgrade to start.

Note:

• The upgrade process will take 1~2 minutes. Please don't disconnect power of the camera during the process, and the camera reboots automatically after upgrade.

7.3 Record Control

Record Control setting is to define the record mode. It has three options: Schedule, Manual, Stop.

- 1. Schedule: Record by the schedule setting;
- 2. Manual: Always record the video;
- 3. **Stop**: Stop the record.

Preview	Playba	ck A	larm	Config	Logout	
 LocalSet Maintain Setting 		Record Contro	I			
 Alarm Smart 		Mode Schedule	All O	1 •		
X Advance Option		Manual				
 Storage Manas Upgrade Record Control Account Auto Maintena 		Stop			Sa	we Refresh

Figure 7-9 Record Control

7.4 Account

Click Config \rightarrow Advance Option \rightarrow Account to enter the Account interface, Shown as figure 7-10

Preview Playback Alarm Config Logout ● Log User Account dmin admin(Reuseable) User guest(Reuseable) Add User Modify User Delete User Delete User Modify Password Adarme e Rase e NAS e Upgrade Auto Maintenance Add Group Modify Group Delete Group							
 Maintain VerInfo Log Setting Alarm Somart Modify User Modify User Delete User Modify Password Add Group Modify Group 	Preview	Play	/back	Alarm	Config	Logout	
 Verlation Verlation Log Setting Alarm guest(Reuseable) user guest(Reuseable) Delete User Modify Password Modify Password Add Group Modify Group 	LocalSet						
 Log Setting Alarm Smat Smat Advance Option Storage Manage Base NAS Upgrade Record Control Account Auto Maintenance 	 Maintain 		– User	Account			
 Setting Alarm Germat Storage Manage Base NAS Upgrade Record Control Account Auto Maintenance 	 VerInfo 		ad				Add User
Stating guest(Reuseable) Modify User Alarm Delete User Smart Delete User Adayance Option Modify Password • Base Modify Password • NAS Modify Password • Record Control Account • Auto Maintenance Add Group Modify Group Modify Group							
Adarm Smart Advance Option Storage Manage Base • NAS • Upgrade • Record Control • Auto Maintenance • Auto Maintenance • Auto Maintenance • Modify Group	🔅 Setting		use				Modify User
 Advance Option Storage Manage Base NAS Upgrade Record Control Account Auto Maintenance Auto Maintenance 				guest(Reuseable)			
Storage Manage Base NAS Upgrade Record Control Account Auto Maintenance Modify Group Modify Group							Delete User
Base NAS Upgrade Record Control Account Auto Maintenance Add Group Modify Group							
Base NAS Upgrade Record Control Account Auto Maintenance Add Group Modify Group		age					Modify Password
Upgrade Record Control Account Auto Maintenance Modify Group							
Record Control Account Auto Maintenance Add Group Modify Group							
Account Auto Maintenance Add Group Modify Group							
Auto Maintenance Add Group Modify Group		rol					
Modify Group							
	 Auto Iviainten 	nance					Add Group
Delete Group							Modify Group
Delete Group							
							Delete Group
Refresh							Refresh

Figure 7-10 Account Manage interface

7.4.1 Group Manage

The admin group has all permissions by default which cannot be deleted and modified.

- Add Group
 - 1) Click Add Group to add a group.
 - 2) Input the Group Name, and memo, set authority of the group. Shown as **figure 7-11.**



Figure 7-11 add a group

Modify group

- 1) Left-click to select the group from the list and click Modify Group.
- 2) Modify the group Name, memo or Authority.
- 3) Click Save to finish the group modification.

Delete group

- 1) Before delete a group, you have to delete all the users in this group.
- 2) Click to select the group you want to delete and click Delete Group.
- 3) Click on the pop-up dialogue box to confirm.

Note:

• The group name should be something of your own choosing, using a maximum of 64 characters, including upper case letters, lower case letters, and numbers.

7.4.2 User Manage

The user has all permissions by default and can create / modify / delete other accounts. The user cannot be deleted and you can only change the password.

- Add user
 - 1) Click to select the group from the list
 - 2) Click Add user to add a user.
 - 3) Input the User Name, password and memo, select the group you want to put the user in, set the authority of the user. Shown as **figure 7-12.**

Add User	_	×
User Name Password	test	Reuseable
Confirm		
Group	test •	
Memo		
Authority		
IIA 💟		
Control	in the device	
Monitor Net Rep NetPrev	_CH01 ay_CH01	=
User acc Query S Query L	ystem Info	
Clear Lo		
Auto Ma		
Encode		
Network		-
	Save Cancel	

Figure 7-12 add a user

- Modify user
 - 1) Click to select the user from the list and click Modify User.
 - 2) Modify the User Name, Password, Group, Memo and Authority.
 - 3) Click Save to finish the user modification.
- Delete user
 - 1) Click to select the user you want to delete and click Delete User.
 - 2) Click on the pop-up dialogue box to confirm.

Note:

The User Name and Password should be something of your own choosing (using a maximum of 64 characters, including upper case letters, lower case letters, numbers) in order to increase the security of your product.

7.5 Auto Maintenance

Click **Config** \rightarrow **Advance Option** \rightarrow **Auto Maintenance** to enter the Auto Maintenance interface. You can set auto boot schedule in this page.

Preview	Play	yback	Alarm	Config	Logout
LocalSet					
 Maintain 					
 VerInfo 		Auto-	Reboot Tue	(
 Log 					
🙁 Setting					
👃 Alarm					
🛞 Smart				Save	Refresh
🗱 Advance Option					
 Storage Mana 	ge				
 Upgrade 					
 Record Control 					
 Account 					
 Auto Maintena 	ince				

Figure 7-13 Auto Maintenance Setting

Chapter 8 Listen Alarm

review Play	back	Alarm	Config	Logout		
✓ Listen Alarm						
Alarm Type			Operation			
Alarm In No writable disk			Message	Local snapshot		
Motion Detect	Netv	ork Disconnection				
		<i>a</i> .	Open Video			
Video Shelter	IP Co	onflict				
Video Lost 🔄 Smart			Play Alarm Audio			
Storage Full						
Storage run			Audio File			
Storage Error						
				Save		
Time	400	Device Name	Alarm			
2016-03-11 11:26:50 2016-03-11 11:26:42		168.1.66 168.1.66	Motion Detect Motion Detect			
2016-03-11 11:26:40 192.168.1.66		Motion Detect				

Figure 8-1 Alarm Setting

After checking Listen Alarm box, and select the alarm type below, when the device trigger the corresponding alarm, it will display an alarm message to notify you. And link operation will be active.

- **Message:** When you are in other interface, once an alarm is triggered, you will return to the alarm interface.
- Local snapshot: When an alarm is triggered, the camera will capture an image.
- **Open Video:** When an alarm is triggered, the camera will open the video.
- **Play Alarm Audio:** You should select a .wav file, when an alarm is triggered, you will hear the voice.

Chapter 9 Logout

Click the Logout button in the main menu, it will appear a pop-up dialogue, click OK to confirm exit. It is shown as **Figure 9-1**.



Figure 9-1 Logout Interface