password), and click "OK" to apply changes.

Step 3: Wait around 10 seconds, you'll see that the camera's LAN IP address has changed. In our example it was changed to 2000, so we see http://192.168.8.102:2000 in IP Camera Tool. Also, the LAN IP address is now fixed at a static IP address of http://192.168.8.102:2000. This IP address will not change even if the camera is powered off and back on, the camera will remain on this LAN IP address. This is very important that a static LAN IP address is set, or you may have problems later with remote access and seeing the camera remotely if the camera loses power and reconnects on a different LAN IP address. Make sure you set a static LAN IP address!

🕸 IP Camera To	pol	
Camera name	IP Address	Device ID Device type
anonymous	Http://192.168.1.110:88	00B41F19804¥ H



NOTE: If the camera cannot be accessed, please make sure the port forwarding is succeed.

HTTPS port: The default port is 443. You can use the url to access the camera: https:// IP + HTTPS port.

ONVIF port: By default, the ONVIF port is set to 888. Also, they can be assigned with another port number between 1 and 65535(except 0 and 65534). But make sure they can not be conflict with other existing ports.

RTSP port:The default port is 554,only some IP Cameras have RTSP port.

4.4.7 Mail Settings

If you want the camera to send emails when motion has been detected, here Mail will need to be configured.

		Save (Refresh
Enable 🔽		5	
SMTP Server	smtp.gmail.com		
SMTP Port	25		→ 1
Transport Layer Security	STARTTLS	at Port 587 or 25.	
Need Authentication	Yes		
SMTP Username	cuiyao93@gmail.com	→ 2	
SMTP Password	••••••	Test	→ 6
Sender E-mail	cuiyao93@gmail.com	→ 3	
First Receiver	yaoyao@163.com		
Second Receiver		<u>→ 4</u>	
Third Receiver			
Fourth Receiver			

Figure 4.36

1----- SMTP Server/ Port /Transport Layer Security Enter SMTP server for sender. SMTP port is usually set as 25. Some SMTP servers have their own port, such as 587 or 465, and Transport Layer Security usually is None. If you use Gmail, Transport Layer Security must be set to TLS or STARTTLS and SMTP Port must be set to 465 or 25 or 587, which port you choose should be decided by which Transport Layer Security you select.

2-----SMTP Username/ password: ID account and password of the sender email address

3----- Sender E-mail Mailbox for sender must support SMTP

4----- Receiver Mailbox for receiver need not support SMTP, you can set 4 receivers

5----- Save Click Save to take effect

6----- Test Click Test to see if Mail has been successfully configured.

Click Test to see if Mail has been successfully configured.

		Save Refresh
Enable 🖌		
SMTP Server	smtp.gmail.com	
SMTP Port	25	
Transport Layer Security	STARTTLS G-Mail only supports TLS at Port 465	and STARTTLS at Port 587 or 25.
Need Authentication	No	*
SMTP Username	yaoyao@gmail.com	
SMTP Password	•••••	Test Success
Sender E-mail	yaoyao@gmail.com	
First Receiver	yaoyao@163.com	
Second Receiver		
hird Receiver		
Fourth Receiver		

Figure 4.37

If the test success, you can see the Success behind the Test, at the same time the receivers will receive a test mail.

If the test fails with one of the following errors after clicking Test, verify that the information you entered is correct and again select Test .

1) Cannot connect to the server

2) Network Error. Please try later

3) Server Error

4) Incorrect user or password

5) The sender is denied by the server. Maybe the server need to authenticate the user, please check it and try again

6) The receiver is denied by the server. Maybe because of the anti-spam privacy of the server

7) The message is denied by the server. Maybe because of the anti-spam privacy of the server

8) The server does not support the authentication mode used by the device

4.4.8 FTP Settings

If you want to upload record images to your FTP server, you can set FTP Settings.

	Save Sefresh
FTP Server	ftp://192.168.8.150 Example:ftp://192.168.1.103/dir The maximum length of the address is 127, does not support the character & =
Port	21
FTP Mode	PORT
Username	yaocuixiang The maximum length of the user name is 63, support numbers, letters and symbols _ @ \$ *- , . #!
Password	The maximum password length is 63, does not support the character & =
Test	Success

Figure 4.38

	Save Refresh
FTP Server	ftp://ftp.mgenseal.com Example:ftp://192.168.1.103/dir The maximum length of the address is 127, does not support the character & =
Port	21
FTP Mode	PORT
Username	deotestge The maximum length of the user name is 63, support numbers, letters and symbols _ @ \$ * - , . #!
Password	The maximum password length is 63, does not support the character & =
Test	Success

Figure 4.39

FTP server: If your FTP server is located on the LAN, you can set as Figure 4.40.

If you have an FTP server which you can access on the internet, you can set as Figure 4.41.

Port: Default is port 21. If changed, external FTP client program must change the server connection port accordingly.

FTP Mode: Here supports two modes: PORT and PASV.

Username/password: The FTP account and password.

Click Save to take effect.

Click Test to see if FTP has been successfully configured.

4.4.9 P2P (FI9803P/FI9803EP/FI9903P/FI9900P)

Access the camera by smart phone (Android or iOS operating system), please refer to the Quick Installation Guide.

First of all, you need to open the P2P function of the camera at "Settings-->Network-->P2P."

Basic Settings			Save Refresh
Nebwork	and the second se		
IP Configuration	UID	FLGTBW7YGBUV9NPMUR41	
Wireless Settings	Enable P2P 🗹		
PPPoE	P2P Port	29164	
DONS	1.2.1.011	12.04	
UPnP			
Port			
Mail Settings			
FTP Settings			



4.5 Video

This section allows you to configure Video stream settings, On screen display and Snapshot settings.

4.5.1 Video Settings

There are two ways to set the stream video settings. They are main stream video settings and sub stream video settings.

Setup Wizard		Video Settings	
Status Basic Settings			Save Refresh
Network	Main stream video settings		
Video	Enhanced Night Vision Definitio	n 💌	
Video Settings	Stream Type	HD Mode	•
On Screen Display	Resolution	720P	•
Privacy Zone	Bit Rate	2M	•
Snapshot Settings	Frame Rate	30	•
IR LED Schedule	Key Frame Interval	30	•
Alarm	Variable bitrate	Yes	•
Firewall	Sub stream video settings		
System	Stream Type	HD Mode	•
	Resolution	720P	•
	Bit Rate	512K	•
	Frame Rate	10	•
	Key Frame Interval	30	•



Enhanced Night video Definition: The camera will automatically drop the frame to extend the recording time in the night.

Stream Type: There are four types to identify different streams you have set. If select the HD Mode, the clearer video will become, and it will take up more bandwidth; If select the Smooth Mode, the bandwidth is very narrow, and bit rate is large, that will lead to video can not play well. The Equilibrium Model is a value between HD Mode and Smooth Mode.

Resolution: The camera supports multiple types, For example: 1080P, 960P, 720P, VGA. The higher the resolution is, the clearer video will become. But the code flux will become larger too, and it will take up more bandwidth. (Different models support different specific types.)

Bit Rate: Generally speaking, the larger the bit rate is, the clearer video will become. But the bit rate configuration should combine well with the network bandwidth. When the bandwidth is very narrow, and bit rate is large, that will lead to video can not play well.

Frame Rate: Note that a larger frame size takes up more bandwidth. You should lower frame rate when the bandwidth is limited. Normally, when the frame rate above 15, you can achieve fluently video. The maximum frame rate for each model is different, please see the **"Specifications**".

Key Frame Interval: The time between last key frame and next key frame. The shorter the duration, the more likely you will get a better video quality, but at the cost of higher network bandwidth consumption.

Variable bitrate(except for FI9900P): Select the Bit rate type to constant or variable. If select Yes, the camera will change the video bit rate according to the situation, but will not more than the maximum parameter "Bit Rate"; If select No, the Bit Rate is unchanged.

Rate Control Mode(Only FI9900P): There are three rate control modes. CBR: Constant Bit Rate, it means that the Bit Rate is constant.

VBR: Variable Bit Rate, the camera will change the video bit rate according to the situation, but will not more than the maximum parameter "Bit Rate".

LBR: Low Bit Rate. If you can select the LBR, then you can slide the scroll bar to choose percentage of the bit rate. By reducing the bit rate, so that the camera can obtain a better image at low bandwidth.

4.5.2 On Screen Display

This page is used to add timestamp and device name on the video.

Status	OSD		
Basic Settings	030		
Network			Save Refresh
Video	Display Timestamp	Yes	×
Video Settings	Display Camera Name	Yes	¥
Privacy Zone			
Snapshot Settings			
IR LED Schedule			

Figure 4.42

Display Timestamp: There are two options: Yes or NO. Select Yes and you can see the system date on the video.

Display Camera Name: There are two options: Yes or NO. Select Yes and you can see the device name on the video.

4.5.3 Privacy Zone

Some models do not support this Function.

This page is used to add privacy zone on the video.

Status Basic Settings	Privacy Zone			
			Save	Refresh
Network				
Video	Allow Privacy Zone	Yes	~	
Video Settings		:	Set Privacy Zone	
On Screen Display				
(Privacy Zone 🦳 🧹				
Snapshot Settings				
IR LED Schedule				



Allow On Screen Display Mask

There are two options: Yes or NO. Select yes and draw a mask area on the video, the mask area will be black on the video.



Figure 4.44

Click **OK** button and return to the **Privacy Zone** page, click Save to take effect. Back to the surveillance window, you can see the privacy area as the following picture:



Figure 4.45

4.5.4 Snapshot Settings

On this page you can set the snapshot pictures' image quality and the storage path.

Status	⊢Snaj	het	not	S	etti	inc	19-																		
Basic Settings	ona	551			- Citti		,5										_								
Network																	C	1	Save	>	C	Б	Refre	esh)
Video	Manua	al sna	ap Qi	uality	<i>(</i>		Med	lium									~								
Video Settings	Alarm	Pictu	ires S	Save	Το		FTF	,									~								
On Screen Display																									
Privacy Zone	Enable ti	ming	to ca	pture	•																				
Snapshot Settings	Captur	e inte	rval				2					(1-	6553	5s)											
IR LED Schedule										() s	cheo	dule												
Alarm	All	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Record	MON		H				H																		H
PTZ 🔍	TUE																								
Firewall	WED		Ц.																						Ш
System 💎	THU																								
	FRI																								
	SAT																								
	SUN																								

Figure 4.46

Image Quality: Low, Middle and High. The higher the quality, the picture will be clearer.

Alarm Pictures Save Path:

- FTP: If you have done FTP and Alarm settings, when alarming, the camera will snap pictures to the FTP automatically.
- SD(FI9803EP/FI9900P): If select SD Card as the save path, make sure the camera has inserted in the SD card.

Enable timing to capture

To enable capture interval, follow the steps below:

1 Select Enable timing to capture

- 2 Capture interval: The interval time between two captures.
- 3 Select the capture time
 - Capture anytime

Click the black button up the MON, you will see all time range turn red. When something moving in the detection area at anytime, the camera will capture.

- Specify an capture schedule Click the week day words, the corresponding column will be selected. For example, click TUE, the all column of TUE turns to red, that means during Tuesday whole day, the camera will capture.
- Press the left mouse and drag it on the time boxes, you can select the serial area,
- 4 Click Save button to take effect.

4.5.5 IR LED Schedule

On this page you can set the schedule time for switching IR LED lights. When parameter Mode is set to the **Schedule** on the Live **Video** window, At these schedule time, the IR LED lights will be turned off.

	IR LED Schedule
	Save Save Refresh
R LED Schedule	
Set the close time	From 00 - 00 - To 00 - 00 -

Figure 4.47

4.5.6 Lens Distortion Correction

On this page you can set the distortion correction. There are three options: Low, Medium, High.

Save Refre	
Parameter Low •	Select The Distortion Correction Parameter
Parameter Low •	Distortion Correction Parameter



If you replace the lens, the image has found distortion, uneven and so on, you can modify the **Select The Distortion Correction Parameter** to calibration images.

4.6 Alarm

4.6.1 Motion Detection

IP Camera supports **Motion Detection Alarm**, when the motion has been detected, it will send emails or upload images to FTP.

Setup Wizard	2	Motion Detection
Status		Save Refresh
Basic Settings		Save
Network	Enable 🖉 🔶 1	7
Video	Sensitivity	Medium
Alarm	Triggered Interval	10s 3
Aotion Detection		Camera Sound PC Sound
ecord	2	Send E-mail
irewall	2	
System	Action	
		Please set the capture storage location in advance.
		Recording 🗂
		Please set the video storage location in advance.
		Set Detection Area
	5-m	Schedule 6
	All 00 01 02 03	04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23
	MON	
	TUE	

Figure 4.49

To enable motion detection, follow the steps below:

1 Enable Motion detection

2 Sensitivity---- It supports three modes: Low, Middle and High. The higher the sensitivity, the camera will be more easily alarmed. Select one motion sensitivity.

3 Trigger interval--- The interval time between two motion detections. Here supports

5s/6s/7s/8s/9s/10s/11s/12s/13s/14s/15s. Select one interval time.

4 Select the alarm indicators

When the motion has been detected, the alarm status will turn to Detect alarm.

	Refre	sh)
Alarm Status	Detect alarm	
NTP Status	Disable	
DDNS Status	Disable	
UPnP Status	Success	
WiFi Status	Connected to:foscam-wifi	
IR LED Status	Off	

Figure 4.50

There are four alarm indicators:

A Camera Sound and PC Sound

If the camera has connected with a speaker or other audio output device, if you select Camera Sound or PC Sound, when the motion has been detected, the people around the camera will hear beep alarm sound.

B Send E-mail

If you want to receive alarm emails when motion is detected, you must select Send E-mail and set Mail Settings first.

C Take Snapshot

If you select this checkbox, when the motion has been detected, the camera will snap the live view window as a still picture and load it to the FTP. Make sure you have set FTP and set FTP as the storage path in Video->Snapshot settings panel.

Time interval: The interval time between two pictures.

D Recording

If you select this checkbox, when the motion has been detected, the camera will recording and load it to the FTP server. Make sure you have set FTP and set FTP as the storage path in Video->Snapshot settings panel.

5 Set detect area

Click set detect area and it pop up a window, then you can draw the detection area. Click Back button after settings. When something moving in the detection area, the camera will alarm.

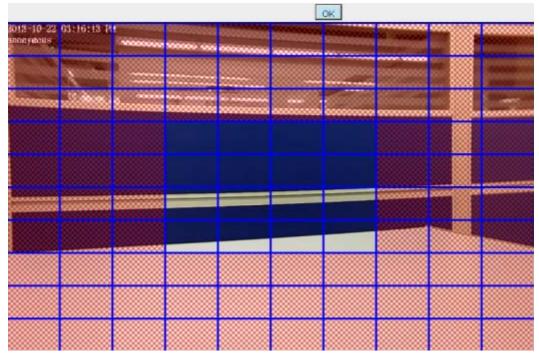


Figure 4.51

6 Alarm Schedule

 $(\ensuremath{\underline{1}})$ Alarm anytime when motion is detected

Click the black button up the MON, you will see all time range turn red. When something moving in the detection area at anytime, the camera will alarm.



Figure 4.52

2 Specify an alarm schedule

Click the week day words, the corresponding column will be selected. For example, click TUE, the all column of TUE turns to red, that means during Tuesday whole day, when something moving in the detection area, the camera will alarm.

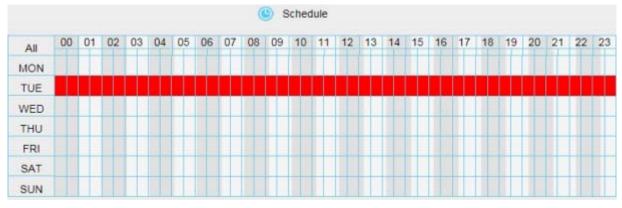


Figure 4.53

③ Press the left mouse and drag it on the time boxes, you can select the serial area,

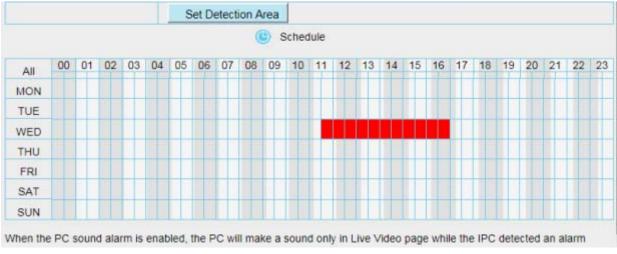


Figure 4.54

7 Click Save button to take effect. When the motion is detected during the detection time in the detection area,

the camera will alarm and adopt the corresponding alarm indicators.

NOTE: You must set the detection area and detection schedule, or else there is no alarm anywhere and anytime.

4.6.2 IO Alarm(only FI9805E)

This IP camera provides a IO alarm terminal block which is used to connect to external input / output device. The alarm device(door sensor, infrared sensor, smoke detectors, etc) send input command to the network camera, then the network camera send output command to the alarm output device(local audible alarm, lights alarm,etc.

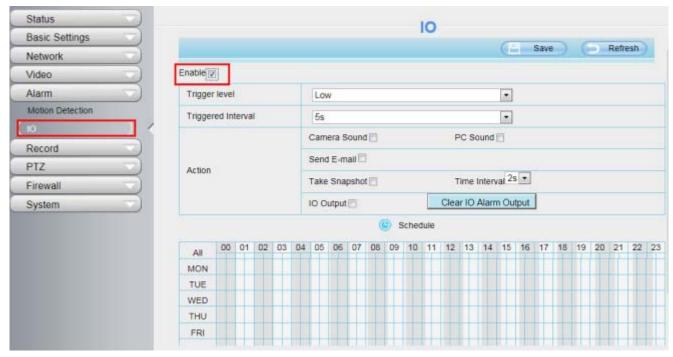


Figure 4.55

There is an IO alarm input/output lines in the FOSCAM camera tails. Enable IO alarm need this cable to connect to the alarm device (door sensor, infrared sensor, smoke detector, etc.).

I/O Alarm has four ports:

- Port 1 and port 2 indicate IO alarm input
- Port 3 and port 4 indicate IO alarm output



Figure 4.56

Setting IO alarm

On the IO page, Enable the I/O alarm, select the "**Send E-mail**" and "**Snapshot**" before you have configured the mail and FTP.

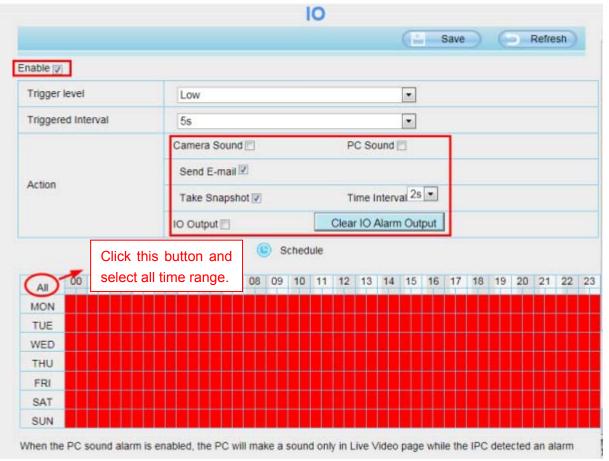


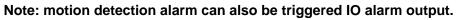
Figure 4.57

If an IO alarm is triggered and IO alarm output device will always alarm (sound alarm is issued a warning sound, alarm lights in flash etc.). Click "Clear IO alarm output", the alarm output device will stop alarming. If IO alarm is triggered again after alarm interval, IO alarm output device will be restart.

												0												
																Œ		Save	D	E)	Refre	esh	1
nable 😰																								
Trigger	level					Low	1																	
Trigger	ed Int	erva			[5s										•								
						Came	era S	ound					P	C So	ound	8								
						Send	E-m	ail 🔽	I															
Action						Take	Sna	psho	t 🔽				т	ime I	nterv	al 2s	•							_
					F	0 01	Itput	6					Clea	r IO	Alam	1 Out	put							
									0	s	ched	ule												
All	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
MON																							Π	
TUE																								
WED																								
THU																								
FRI																								
SAT																								
SUN																							Ш	

When the PC sound alarm is enabled, the PC will make a sound only in Live Video page while the IPC detected an alarm

Figure 4.58



Status)									Mo	tio	n	De	ter	tic	'n									
Basic Settings											- III	****					0		P	-	10	-	0.0		
Network																	10 -		Save		.0	- 11	Refn	esn	
Video	Enable	2																							
arm 💎	Sensit	ivity					Me	dium																	
Detection	Trigge	Triggered Interval						10s																	
								Camera Sound 🔤 PC Sound 🔤																	
1	2							1E-m	ait	1															
1	Action																1.0								
						Take Snapshot Time Interval 25 -																			
-							IO Output																		
							-	Set D	etect	ion A	vea														
										9	9 s	ched	lule												
	All	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	MON																								
	TUE																								
	WED																								
	THU																								

Figure 4.59

4.7 Record

4.7.1 Storage Location

	Storage	Location		
			Save Refr	esh
Recording Location	None			
Local Recording Location	c:\IPCamRecord	Browse	Enter the local folder	
cording Location is used for ala	rm recordings and schedule	recordings.		
e local recording must be stored	d in local storage. The defau	lt Windows storage	location is "c:\IPCamRecord". The	defa
	mRecord" If you modify the	nath on other came	aras, this default storage location wil	
ac OS storage location is "/IPCa	in you mound in you mound ino	paul on other canne	sias, this delault storage location will	l be

Figure 4.60

Recording Location : SD card, FTP.

- SD card(Only FI9803EP/FI9900P): The video will be saved in SD card. Make sure the camera has been inserted the SD card. On this page, you can see the available space of the SD card.
- FTP: The video will be saved in FTP. Please refer to "FTP settings."

Local Recording Location: For Windows OS, the manual recording path is C:/ IPCamRecord, you can change another one. For MAC OS, the manual recording path is: / IPCamRecord.

Enter the local folder :Click here, you can enter the local folder.

4.7.2 Alarm Record

	Alarm Recor	rding
		Save Refresh
Enable Pre-Record		
Pre-recorded Time	5s	•
Alarm Recording Time	30s	



4.7.3 Local Alarm Location

On this page you can enable local alarm record, and select the local alarm record time.

	Local Alarm Re	ecording
		Save Refresh
nable Local Alarm Recording		
	184 C	



4.7.4 Schedule Recording

When the video is selected as FTP, the device supports scheduled recording.

	Storage Loca	ation
		Save Refresh
Recording Location	FTP	
Local Recording Location	c:\IPCamRecord	Browse

Figure 4.63

						S	che	du	lle	dF	Re	col	rdi	ng	T	F	TP							
																Œ	1	Save	D	6	5	Refr	ash	
nable S	chedu	led	Reco	rding																				
Stream	n		N	Main :	strea	m								•										
									(D E	dit S	ched	uled	Reco	ording	1								
-	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	2
All																		Ï				-		
MON				-				-		-														
TUE																								
WED																								
THU																								
FRI																								Г
SAT																								Г
SUN											1													

Figure 4.64

When the video is selected as SD card, the device supports pumping frame recording.(only FI9803EP

and FI9900P support SD card).

	Storage Locat	tion
		Save Refresh
Decention I section	SD card	
Recording Location	-	372.2 MB / 7.4 GB
Local Recording Location	c:\IPCamRecord	Browse



																Œ	1	Save	D	6	Ð	Refr	esh	2
nable Se	chedu	led	Reco	rding	V																			
Enable	Lon	g-tim	e rec	cordi	ng	[No									1	•							
Record	fran	ne					30									1	Ŧ							
Record	I full	strate	egy			1	Cove	er									•							
Audio I	Reco	rd				[No										•							
Stream						[Main	stre	am								•							
									(B) E	dit S	ched	uled	Reco	ording	1								
All	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	2
MON												Į,												
TUE																								
WED	_ 1																							
THU																								
FRI																								Г

Figure 4.66

Record frame: There are six frame selections, such as 1/30, 4/30, 8/30, 15/30, 24/30, 30/30. Recommended default is 4/30. The greater the Frame rate is, the sharper picture quality is, and the greater of storage space is, the shorter the storage time is.

Record full strategy: When the SD card is full, you can choose to cover the previous recording, or stop recording.

Audio Record: You can choose "yes" or "no".

NOTES:

- Scheduled recording only supports video saved to the SD card or FTP server.
- The schedule recording will stop while alarm recording is beginning, and it will continue automatically after alarm recording end.
- You can refer to "alarm schedule." in "Alarm" about editing the time of recording Schedule.

4.7.5 SD Card Management(FI9803EP/FI9900P)

The SD card Slot inside the camera, if you want to install or remove the SD card, you need to open the camera.

When you plug in the SD card during the camera work process, please reboot the camera again, or else the SD Card may be cannot work well.

Go to the **Settings→Status→Device Status** page, you can see the SD card status.

		Refresh
Alarm Status	Disabled	
Record Status	Not Recording	
SD Card Status	SD card	
SD Card Free Space	5.0G	
SD Card Total Space	7.3G	
NTP Status	Disabled	
DDNS Status	Failed	
UPnP Status	Disabled	
WIFI Status	Not connected	
IR LED Status	Off	

Figure 4.67

The default storage path of alarm record files is SD card, when the available size of SD card is less than 256M, the old record files will be deleted automatically.

4.8 PTZ(only FI9805E)

This page will allow you to change the pan/tilt speed and do RS485 settings. (Only FI9805E have this feature)

4.8.1 Pan/Tilt Speed

There are five Pt speed types: very fast, fast, normal, slow and very slowly. Select the desired pan/tilt speed type and click save button .

Par	a & Tilt Speed			
			Save C	Refresh
	Pan & Tilt Speed	Normal	~	



4.8.2 RS485 Configuration

This camera supports the standard 485 cradle head protocol (PELCO-D and PELCO-P). Please configure the RS485 protocol corresponding information first, or else the cradle head may cannot work.

		Save Refre
Protocol	PELCO-D	×
Address Code	1	
Baud Rate	9600	v
Data Bits	8	
Stop Bits	1	V

Figure 4.69

4.9 Firewall

This section explains how to control the access permission by checking the client PC's IP addresses. It is composed of the following columns: Block access from these IP addresses and Only allow access from these IP addresses.

IP Filtering		Save Refresh
	Enable Firewall 💌	
	IP Filtering	Block access from these IP addresses Block access from these IP addresses Only allow access from these IP addresses
	IP Address #1	
	IP Address #2	
	IP Address #3	
	IP Address #4	
	IP Address #5	
	IP Address #6	
	IP Address #7	
	IP Address #8	

Figure 4.70

Enable firewall, If you select Only allow access from these IP addresses and fill in 8 IP addresses at most, only those clients whose IP addresses listed in the Only allow access from these IP addresses can access the Network Camera. If you select Block access from these IP addresses, only those clients whose IP addresses are in the IP list cannot access the Network Camera.

Click Save to take effect.

4.10 System

In this panel, you can back up/restore your camera settings, upgrade the firmware to the latest version, restore the camera to default settings and reboot the device.

4.10.1 Back-up& Restore

Click Backup to save all the parameters you have set. These parameters will be stored in a bin file for future use.

Click Browse and select the parameters file you have stored, then click Submit to restore the restore the parameters.

Backup is used to save your current settings. It is recommended to backup your configuration before modifying or
upgrading firmware.
Backup
Settings can be restored by uploading the backup file.
Path: Browse Submit
Note:
1. All current settings will be lost when importing a configuration file. If an incorrect file is loaded, the camera may stop
working correctly.
2. Keep the power on during this process, or you may damage your camera. Your camera will reboot automatically once
restoration is completed.

Figure 4.71

4.10.2 System Upgrade

Click "Download the latest firmware", you will see the following screen. And click "save" to save the firmware on your computer locally.

Your current firmware version will be displayed on your screen. You may go to the **Status**→ **Device Information** page to check for the latest firmware versions available. Click **Browse**, choose the correct bin file and then click **System upgrade**. Don't shut down the power during upgrading. After upgrading, you can see the upgrade result.

Setup Wizard	System Upgrade			
Status				
Basic Settings	Download the latest firmware Current Firmware Version: 2.11.1.10			
Network	Brosse System Upgrade			
Video	Result 2			
Alarm	Your camera will reboot during the firmware upgrade.			
Record				
PTZ				
Firewall				
System				
Back-up & Restore				
Back-up & Restore System Upgrade				

Figure 4.72

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Upgrade Firmware by IP Camera Tool

Double click the IP Camera Tool shot icon

, select the Camera IP that you want to upgrade the

firmware. Then select Upgrade Firmware and enter the username and password, choose the firmware file, and upgrade.

🔊 IP Camera Tool				
Camera name	IP Address	Device ID Devic	ce t y pe	
IPCAT	Basic Properties Network Configuration Upgrade Firmware Refresh Camera List Flush Arp Buffer About IP Camera Tool	00626E4D8A55 H		

