# **IP WEB**

# **User Guide**

V1.0

Please read carefully before contacting your supplier.

Information is correct at time of printing, but can be subject to change without notice, whilst every effort has been made for accuracy product improvements may enhance the features or functions.

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# First chapter web logging in

1.1 ActiveX control setting

Before the WEB log on, we need to set IE ActiveX controls first.

Clicking the right mouse	selecting "Attribute", system pop up dia	log as follows:
	itemet Options	? ×
	General Security Content Connections Programs Advanced	
	Select a Web content zone to specify its security settings.	
	Internet Local Intranet Trusted sites Restricted	
	sites	
	Internet This zone contains all Web sites you haven't placed in other zones	
	Security level for this zone Move the slider to set the security level for this zone.	
	Medium     Safe browsing and still functional     Frompts before downloading potentially unsafe content     Unsigned ActiveX controls will not be downloaded     Appropriate for most Internet stes	
	<u></u> <u></u>	1
	OK Cancel Appl	

Select "security" "Custom level"), system pop up dialog as follows :

Security S	ettings		? 🛛
Settings:			
0	Disable		~
	Enable		
😺 Do	wnload signed Activ	veX controls	
0	Disable		
0	Enable		
0	Prompt		
🖉 Do	wnload unsigned A	ctiveX controls	
-0	Disable		
0	Enable		
0	Prompt		28 00 90
🥥 Ini	tialize and script Ac	tive% controls no	t marked as safe
0	Disable		
0	Enable		-
	- Discust		3
	and the second second		
Reset cus	tom settings		
Reset to:	Medium	~	Reset
		ОК	

Put options "download unsigned Actives control" to be enabled. Or directly put the Internet safety to a minimum.

#### 1.2 WEB login

After ActiveX is set .open IE browser, currently this is the

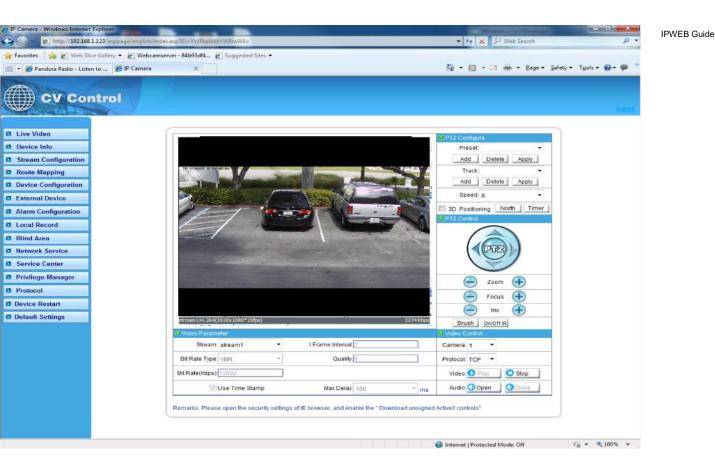
only supported browser , input the IP address of the IP equipment which you want to land in the IE browser address bar. Press the Return Key (ENTER), and ensure be right to enter your user name and password in login dialog then you can access IP equipment. The default IP address of IP equipment is : 192.168.0.120, the default IP equipment user name and password is: admin

CV Control
Language: English
User Name:
Password:
Login

# The second chapter device configuration

## 2.1 Live video

After you have logged in correctly, you will be presented with the display as below: With mouse over the video window double mouse click will enter video into full screen mode. Other camera settings are available as labeled including video stream and PTZ control functions.



#### 2.2 Equipment information

On left side of the main window features all the "equipment information" settings. This is the entire configuration setup for the device, such as IP information audio settings network parameters' etc. Device Information is used to show the capabilities of the device and also the master Device Name.

Partice Info	P 9- P
tig * tig = ⊂3 ∰ * Bage * Safety * Tgels *	0- <b>9</b>
	D- P
Next ce Info	bicz
Nevi ce Info	
Device Info	
Tevice	
Device ID 00505A Set	
Device Name 541	
Hardware Version V117_2	
Software Version w1.6 bulled044013: 035	
fardware	
Video Channel(s) 1	
Alarm Inputio) 1	
Alarm Dudrudu 1	
Senal Port(s) (1	
Note:The device ID is unique. Please don't change it unless special requirement.	
4	Device ID 00509A Est Device Name Set andradurer Device Type P CAM Manufacturer Name 0AISA Manufacturer Name 0AISA M

#### 2.3 Stream configuration

Click features list on the left, select "Stream configuration", then you can configure stream video for the current IP equipment. As the following figure shows :

P IP Camera - Windows Internet Explorer	and D		Real Property lines	- 0 ×
C C C C Attp://192.168.1.123/asppage/english/index.asp?l			• 4 X P Web Search	. م
🙀 Favorites 🛛 🍰 🔊 Web Slice Gallery 👻 🔊 Webcamserver - 8				
😢 🔹 🌈 Pandora Radio - Listen to 🥻 IP Carnera	×	6	▼ 🔂 ▼ 🛄 👘 ▼ Page ▼ Sa	fety • T <u>o</u> ols • 🕢 • 🧭
CV Control				lacout
Live Video	Stream Configuration			
Device Info	Stream Conliguration			
Stream Configuration	Camera Id: 1			
Route Mapping	Stream Configuration			
Device Configuration	Stream Id: 1	•		
External Device	Name stream1			
Alarm Configuration	Video Encode Type: H264 High	Profile 🔻		
Local Record	Audio Encode Type: G711_ULAV	v •		
Blind Area	Resolution: 1920x1080	•		
Network Service	Resolution, 1920/1000			
Service Center	Frame Rate(fps): 30	•		
Privilege Manager	I Frame Interval: 2	•		
Protocol	Bit Rate(kbps): VBR	•		
Device Restart	8000	(500-12000kbps)		
Default Settings				
	Quality: 5	•		
	S ok	Reset		
		😜 Inte	rnet   Protected Mode: Off	√a + € 100% +

#### Table 1

Each device can be configured for different video stream; each device can be configured with up to three different video streams. This let you set a high quality recording stream and perhaps a low level stream for remote monitoring.

Resolution: According to the actual resolution to actual resolution of IP equipment divided :into :1920x1080/1280x960/1280x720/1600x1200/D1/CIF/QCIF etc.

Frame rate : PAL can be up to 25fps and NTSC up to 30fps

I Frame interval : time interval between I frames divided into 1/2/3/ seconds three types, higher bitfor rate of the screen, should shorten frame spacing. The smaller frame interval, it is good to increase position accuracy of video return, and advantageous to the network video when the recovery of shaking. If frame interval become small, the video streaming will become big, unless understand the reason the default value 2 should be used.

Bit Rate : Either CBR or VBR. CBR is constant bit rate, where the daa streamed will be at a constant value. ; VBR that is variable bit rate, where compression data can change relative to the complexity of the compression of the scene, relative to the quality setting below.

Quality: Value 1-9 choose within quality. The higher the quality values the clearer images will.

Hint: setting a high quality value and a small VBR bitrate may not provide the ideal settings. Unless required a quality setting of 7 is acceptable.

#### 2.4 Route Mapping

Through the routing mapping IP equipment can be realized to WAN network requests through a router.

P Camera - Windows Internet Explorer		
C	D=YWRtaW45YWRtaW4=	<ul> <li></li></ul>
🙀 Favorites 🛛 🎪 🔊 Web Slice Gallery 🔹 🔊 Webcamserver - 8	4693dH 😰 Suggested Sites 🕶	
😤 🔹 🍘 Pandora Radio - Listen to 🎾 🌮 Camera	×	🏠 + 🔯 - 🖙 👼 + Bage + Safety + Tgols + 🕢 + 🦈 🍟
CV Control		line and the second
Live Video	C	
Device Info		
Stream Configuration	Router Mapping	
B Route Mapping	Router Mapping	
Device Configuration	Enable Router Mappin	ng l
External Device	Router Address 66.184.228.207	
Alarm Configuration	Control Mapping Port 30001	]
Local Record		
Blind Area		a
Network Service	OK OReset	
Service Center		
Privilege Manager		
Protocol		
Device Restart		
Default Settings		

The router address: fill the router WAN address, support filling in domain name address, such as test.gicp.net\_ $\ensuremath{_\circ}$ 

Control mapping port should remain consistent with control ports of "device configuration"-"equipment port" Default should be 3001

This function detailed please refer to the document "set instructions of IP equipment WAN nets visit".

# 2.5 Device configuration

#### 2.5.1 Local Network

CV Cont	rol	lopeu
Live Video     Device Info	Local Network	
Stream Configuration	UIP Protocol	
Route Mapping	IP Protocol: IPv4 •	
Device Configuration	IP Address	
> Local Network	Device obtain an IP address automatically	
> Device Port	Device user the following IP address	
> ADSL Network	IP Address 192.168.0.120	
> Multicast	Subnet Mask 255 255 0	
> Camera		
> Date&Time	Default Gateway 192.168.0.1	
> OSD	O DHCP IP	
> Microphone	DHCP IP: 192.168.1.123	
> Dome PTZ	Preferred DNS Server: 192.168.0.1	
And a professional second second		
> BNC Video Output	Alternate DNS Server: 192.168.0.2	
<ul> <li>System Service</li> </ul>		
> Language	🗸 OK 📗 🖸 Reset	
External Device		
Alarm Configuration		
Local Record		
Blind Area		
Network Service		
Service Center		
Privilege Manager		
Protocol		
Device Restart		
Default Settings		
Done	Internet   Protected Mode: Off	🖓 🔹 🔍 100% 👻

It Can set the network IP camera address, subnet mask, gateway, DNS and other network parameters, If it is used in local area network you should be careful that not to set up the internal LAN IP address and computer IP address to cause a conflict. If a HDCP is set then the current IP is display here. If you want to use the IPv6 protocol equipment, first in the IP protocol IPv6 protocol options to

choose and modify the network parameters, click on the "Apply" button.

#### 2.5.2 Device port

Control Port[30001 Http:Port[80 RTSP:Port[554	
Control Port Control Port B0 RTSP Port 554	
Device Port     Control Port[30001     Http Port[80     RTSP Port[554	
O Device Port     Control Port[30001     Http:Port[80     RTSP Port[554	
Device Port     Control Port     30001     Http Port     80     RTSP Port     554	
Control Port[30001 Http Port[60 RTSP Port[554	
Http Port/80 RTSP Port/554 OK O Reset	guration
RTSP Por[554	
CK Reset	
CK Reset	
	l
	-
	nt
	Settings

Control port: The default is 30001, including the parameters of reading and writing, PTZ control are both through this port to control;

TCP audio and video port: The default is 30002, for the TCP protocol under the audio and video transmission which needs of the port number.

Http Port: Default is 80, for Web access to use the port number. If you change it to another port number, you need add ": port number" in the address bar at the end. For example, the equipment which IP is 192.168.10.96 and the Http port is changed to "8080", you could enter the http://192.168.10.96:8080 in the IE browser's address bar to access the network device through the Web.

RTSP Port is use for streaming video. Only requirement to change this is if you are using multiple devices on one IP which would require all ports to be modified

#### 2.5.3 ADSL Network

CV Control
Video
ice Info
am Configuration
te Mapping IP Protocol IPV4 *
Ce Configuration
cal Network IP Address
vice Port
BL Network
Iticaet
meta
te&Time
stophone
me PTZ
IC Video Outpot
stem Service
nguaga
rnal Device
m Configuration
Il Record
d Area
vork Service
Ice Center
lege Manager
ocol
ee Restart
ult Sattings

When the user set "Network Service" "PPoE parameters", after the success of dial-up equipment, Equipment's WAN network IP address will appear in the page.

CV Control	
Live Video	Multicest
Stream Configuration Route Mapping	O Mullicast
Device Configuration	Camoraí 1 -
> Local Network	IP Addr:
	Port:
> Device Port	
> ADSL Notwork	Confirm O Reset
> Multicast	
> Camera	
Date&Time	
• OSD	
Microphone	
Dome PTZ	
BNC Video Output	
System Service	
E Language	
External Device	
Alarm Configuration	
Local Record	
Blind Area	
Network Service	
Service Center	
Privilege Manager	
Protocol	
Device Restart	
Default Settings	
	🚭 Internet   Protected Model Off 🛛 🕫 = 🔍 100%

This function can make a single flow provide more network receivers.

#### 2.5.5 camera

ifo	
	Camera
ation	Camera: 1 *
on a	Channel
	Channel Name 3
	Video System - Source Resolution
	Video System: 60Hz 🔹
	Source Resolution: 1920x1080 -
n	

Camera name: Name of the camera settings will be displayed in real-time monitoring Video formats whether to modify the device's PAL/NTSC system, this function is dependent on the model if supported.

Source resolution: set video source resolution for the 4:3 or 16:9.usually D1 resolution for the 4:3,704×384 resolution for 16:9. Also allows lower video resolution for 2Mega Pixel solutions.

and the second second	
2	
	Date&Time
	0
	Date&Time     Time Zone: (GMT) Greenwich Mean Time : Dubli
	Time Zone: (GMT) Greenwich wear Time - Dubi
	Device Time 2012-4-20 17:21:28
	Current PC Time 2012-4-19 17:21:16 Set
	Set Manually 2009-10-10 10:10:10 Set
	Set Manually 2009-10-10 10:10:10 Set
	Enable NTP
	NTP IP/DNS Name:
	NTP Port 123
	Set

Select the method to use for setting the time: one is to set the time according to the clock on your computer; another is to manually enter the time and date.

### 2.5.7 OSD settings

Bosp
Camera: 1
e oso
Device Name
Row 0 Column 0
Channel ID
Row 0 Column 0
Channel Name
Row.0 Column.0
IV Time
Row 0 Column 1
Time Format: YYYY-MM-DD hh.mm:ss ww 👻
Custom
Row:0 Column:0
Custom OSD.
OK OK Reset
L

Respectively for different resolutions of network device to set OSD parameters, a tick indicates this information is displayed as overlay on encoded video stream including: device name, channel number, channel name, time and custom OSD

#### 2.5.8 Microphone setting

CV Control		
Live Video		
Device Info	Microphone	
Stream Configuration	Camera: 1 💌	
Route Mapping	O Microphone	
Device Configuration	C Enable Microphone	
> Local Network		
> Device Port	Microphone Type: Line In 💌	
> ADSL Network		
> Multicast	OK OK Reset	
> Camera		
> Date&Time		
> OSD		
> Microphone		
> Dome PTZ		
> BNC Video Output		
> System Service		
> Language		
External Device		
Alarm Configuration		
Local Record		
Blind Area		
Network Service		
Service Center		
Privilege Manager		
Protocol		
Device Restart		
Default Settings		
	Internet   Protected Mode: Off	4 · • 100

Microphone Type: Internal : built-in microphone. (if fitted)

External: Where supported will select the Audio Input as audio source for Line in: Audio is encoded inside the video stream, audio format is set under the Streaming Settings

## 2.5.9 Dome PTZ

IP high-speed dome can set PTZ address.

# 2.5.10 system service

CV Control		
Live Video		
Device Info	System Service	
Stream Configuration	System Service	
Route Mapping	V FTP Server	
Device Configuration		
> Local Network	V Teinet Server	
> Device Port	Note: The IP Camera provides advanced functions that allows professional users to debug by themselves. We strongly recommend that you do not use this function unless you fully understand	
> ADSL Network	the consequences.	
> AUSL Network > Multicast		
111 Backson Constant	OK OK Reset	
> Camera		
> Date&Time		
> OSD		
> Microphone		
> Dome PTZ		
> BNC Video Output		
> System Service		
> Language		
External Device		
Alarm Configuration		
Local Record		
Blind Area		
Network Service		
Service Center		
Privilege Manager		
Protocol		
Device Restart		
Default Settings		
one	Internet   Protected Mode: Off	

# 2.5.11 system Configuration

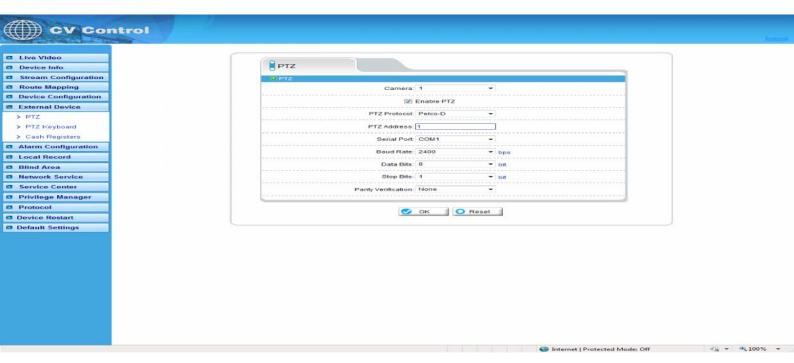
<ul> <li>Live Video</li> <li>Dovice Into</li> <li>Stream Configuration</li> <li>Roote Apping</li> <li>Device Configuration</li> <li>Logi Network</li> <li>Device Port</li> <li>Logi Network</li> <li>Solice Port</li> <li>Abdi Network</li> <li>Cones</li> <li>Cones</li> <li>Cones</li> <li>Cones</li> <li>Cones</li> <li>DoteKTime</li> <li>Cost</li> <li>Recet</li> </ul>	CV Control		
<ul> <li>Device Info</li> <li>Stream Configuration</li> <li>Route Mapping</li> <li>Device Configuration</li> <li>Language Configuration</li> <li>Language: English •</li> <li>Language: English •</li> <li>Language: English •</li> <li>Microphone</li> <li>Date KTime</li> <li>State KTime<!--</th--><th></th><th></th><th></th></li></ul>			
<ul> <li>Stream Configuration</li> <li>Route Mapping</li> <li>Device Configuration</li> <li>Language: English &lt;</li> <li>Language: English </li> <li>Language: English </li> <li>Cansa</li> <li>ADSI. Network</li> <li>Multicaet</li> <li>Camara</li> <li>Camara</li> <li>Saba</li> <li>Sa</li></ul>		System Configuration	
Route Mapping   Device Configuration   > Local Network   > Device Part   > ADSU Network   > Multicat   > Camera   > OatsTime   > OatsTime   > OatsTime   > OatsTime   > Some PTZ   > Multicat   > System Service   > Standardine   I Andro Gardina   I Andro Gardina   I Andro Gardina   I Strate Contar   I Proteine Contar			
Device Configuration   > Local Network   > ADGL Network   > ADGL Network   > Multicast   > Camera   > Date&Time   > DateStime   > SoD   > SoD   > Microphome   > BinC Ydee Output   > System Service   > Langange   External Davica   Bind Area   Bind Area   Bind Area   Bind Area   Service Center   Proteige Manage   ProteoRation			
<ul> <li>Local Network</li> <li>Dorice Part</li> <li>ADSL Network</li> <li>Multidast</li> <li>Camera</li> <li>DateStime</li> <li>OsD</li> <li>SoD</li> <li>SoD</li> <li>SoD</li> <li>Sono PTZ</li> <li>Bond PTZ</li> <li>Shot Adde Output</li> <li>System Service</li> <li>Languago</li> <li>External Device</li> <li>Blad Area</li> <li>Blad Area</li> <li>Blad Area</li> <li>Blad Area</li> <li>Blad Area</li> <li>Privileg Manage</li> <li>Privileg Manage</li> <li>Dirac Rest</li> <li>Dirac Rest</li> </ul>		Language: English •	constant and a second sec
<ul> <li>&gt; Device Part</li> <li>&gt; Additionatt</li> <li>&gt; Canera</li> <li>&gt; Date&amp;Time</li> <li>&gt; Date&amp;Time</li> <li>&gt; Datework</li> <li>&gt; Morrophone</li> <li>&gt; Dome PTZ</li> <li>&gt; BNC Video Output</li> <li>&gt; System Service</li> <li>&gt; Language</li> <li>External Device</li> <li>Resert</li> <li>Blind Arane</li> <li>Blind Arane</li> <li>Blind Arane</li> <li>Privileg Managert</li> <li>Privileg Managert</li> <li>Privileg Managert</li> <li>Droce Resert</li> </ul>			
ADSL Network ADSL Network ADSL Network Multicest Comer Comer Ont Ont Onter Ont Onter Microphone Somo PTZ BNC Video Output System Service Language External Device Aland Area Blind Area Blind Area Blind Area Blind Area Privilege Manager Privilege Manager Protocol Dotoce Restart			
Multicaet Camera Camera Date&Time Date&Time So Co So Co Microphone Dome PTZ Exema Device System Service Sanguage External Device Assert Bind Area Nacrosfiguration Service Centure Privilege Manage Privilege Manage Protocal Divice Resert			
<ul> <li>&gt; Camera</li> <li>&gt; Camera</li> <li>&gt; Date&amp;Time</li> <li>&gt; OsoD</li> <li>&gt; Microphone</li> <li>&gt; Dome PTZ</li> <li>&gt; BNC Video Output</li> <li>&gt; System Service</li> <li>&gt; Language</li> <li>Retrand Device</li> <li>Retrand Device</li> <li>Blind Area</li> <li>Nervork Service</li> <li>Privilege Manager</li> <li>Privilege Manager</li> <li>Protocol</li> <li>Domice Restart</li> </ul>		🧭 OK 📗 🖸 Reset	
<ul> <li>&gt; Date&amp;Time</li> <li>&gt; OSD</li> <li>&gt; Microphone</li> <li>&gt; Dome PTZ</li> <li>&gt; Bone PTZ</li> <li>&gt; System Service</li> <li>&gt; Language</li> <li>External Device</li> <li>Alarm Configuration</li> <li>Local Record</li> <li>Bind Ares</li> <li>Network Service</li> <li>Service Contar</li> <li>Phyliege Manager</li> <li>Phyliege Managet</li> <li>Divice Restart</li> </ul>			
<ul> <li>&gt; OSD</li> <li>&gt; Microphone</li> <li>&gt; Dome PTZ</li> <li>&gt; ENC Video Output</li> <li>&gt; System Service</li> <li>&gt; Langua</li> <li>External Device</li> <li>Blind Area</li> <li>Blind Area</li> <li>Network Service</li> <li>Service Chartan</li> <li>Phyllege Manager</li> <li>Phylege Manager</li> <li>Device Restart</li> </ul>			
<ul> <li>Microphone</li> <li>Dome PTZ</li> <li>BNC \/ideo Output</li> <li>Seton Service</li> <li>Cala Record</li> <li>Blind Area</li> <li>Network Service</li> <li>Service Centra</li> <li>Phyliege Managet</li> <li>Phyliege Managet</li> <li>Device Restart</li> </ul>			
<ul> <li>&gt; Dome PTZ</li> <li>&gt; BNC Yideo Output</li> <li>&gt; System Service</li> <li>&gt; Language</li> <li>Ratm Configuration</li> <li>Local Record</li> <li>Blind Area</li> <li>Network Service</li> <li>Service Center</li> <li>Privileg Manager</li> <li>Protocl</li> <li>Domice Restart</li> </ul>			
<ul> <li>BNC Video Output</li> <li>System Service</li> <li>Language</li> <li>External Device</li> <li>Alarn Configuration</li> <li>Local Record</li> <li>Bind Area</li> <li>Network Service Conter</li> <li>Privilege Manager</li> <li>Protocol</li> <li>Device Restart</li> </ul>			
<ul> <li>System Service</li> <li>External Device</li> <li>Alarn Configuration</li> <li>Local Record</li> <li>Bind Area</li> <li>Service Center</li> <li>Protocal</li> <li>Device Resart</li> </ul>			
Language   External Device   Alarm Configuration   Local Record   Bilind Area   Service Center   Privilege Manager   Protocol   Device Restart			
External Device Alarm Configuration Local Record Blind Area Network Service Service Center Privilege Manager Protocol Device Restart			
Alarm Configuration Local Record Blind Area Network Service Service Center Privilege Manager Protocol Device Restart			
Local Record       Blind Area       Network Service       Service Center       Privilege Manager       Protocol       Device Restart			
Blind Area Network Service Service Center Privilege Manager Protocol Device Restart	Alarm Configuration		
Network Service Service Center Privilege Manager Protocol Device Restart	Local Record		
Service Center Privilege Manager Protocol Device Restart	Blind Area		
Privilege Manager Protocol Device Restart	Network Service		
Protocol Device Restart	Service Center		
Device Restart	Privilege Manager		
	Protocol		
	Jevice Restart		
Detaun Settings	Default Settings		
ne 😜 Internet   Protected Model Off 🧉 🖛			otected Mode: Off 🛛 🖏 👻

Change the language for the OSD and alarm E-mail of the IP device

# 2.6 External Device

IP equipment can connect external equipment such as external PTZ, PTZ keyboard and currency counting.

#### 2.6.1 PTZ



When connecting external PTZ control device via the serial, used for older style pan/tilt devices, you can configure the PTZ agreement address, bit rate, data bit.

#### 2.6.2 PTZ Keyboard

CV Control				
Live Video				
Device Info	PTZ Keyboard			
Stream Configuration	PTZ Keyboard			
🖾 Route Mapping	123	Enable		
Device Configuration	Interface Type:	RS485 *		
External Device	Serial Port	COM1 -		
> PTZ	Baud Rate	4800 * bps		
> PTZ Keyboard				
> Cash Registers	Data Bits	8 - bit		
Alarm Configuration	Stop Bits	1 v bit		
Local Record	Parity Verification:			
Blind Area				
Network Service		OK O Reset		
Service Center	1.1			
Privilege Manager				
Protocol				
Device Restart				
Default Settings				
Done			Internet   Protected Mode: Off	4 × 🔩 100% ×

When connect PTZ keyboard, you can configure interface type, serial ports, bit rate, data bit.

Initial Cash Registers   Image: Cash Regist
sing   figuration   vice   channel:   Channel:   Channel:   1   1   sters   rvice   rvice   ster   anager     © OK
vice   Channet: []   1   interface Type: [R3485]   interface Type: [R3485]   Baud Rate: [4900]   Data Bits: [8]   bit   Trylce   anager     Image: Image
interface Type:     RS485       iguration     Serial Port:       rd     Baud Rate:       4800     bps       Data Bits:     8       Stop Bits:     1       anager     OK
sters iguration rd  rd  rvice tter anager  oK  Common Comm
sters iguration rd  rd  rvice tter anager  oK  Common Comm
iguration rd rvice ther anager OK © Reset
iguration rd Baud Rate: 4800 v pps Data Bits: 8 v bit Data Bits: 1 v bit Stop Bits: 1 v bit Parity Verification: None v anager OK OReset
rvice anager. Data Bits: 8 * bit Stop Bits: 1 * bit Parity Verification: None * OK OReset
anager
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anager
anager OK OReset
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ings

When connect external cash, can add the number that currency counting counts to the video though OSD. **Note: this function needs especial external equipment to support this function.** 

# 2.7 Alarm configuration

Alarm configuration, including alarm I/O port configuration, Disk warning, I/O alarm linkage, and motion detection alarm.

# 2.7.1 Alarm I/O Parameter Configuration

Alarm

Done

Alarm Iri Alarm Iri Alarm Iri Alarm Iri Alarm Iri Name Valid Voltage Level: High Valid Voltage Level: High Valid Signal: Close Valid Signal: Clos		Alarm I/O
Alarm In: 1 • Name Name Valid Voltage Level: High • O/Alarm Out Alarm Out 1 • Name Valid Signal: Close • Alarm Out Mode: Switch Mode • Frequency:0 Hz Alarm Time:0 ms (0:Alarm forever)		
Name Valid Voltage Levet: High • • • Alarm Out: 1 • Name Valid Signal: Close • Alarm Out Mode: Switch Mode • Frequency[0 Hz Alarm Time [0 ms (0:Alarm forever)	1.1	
Valid Voltage Level: High   O Alarm Out  Alarm Out 1  Name Valid Signat: Close  Alarm Out Mode: Switch Mode  Frequency:0  Alarm Time:0  ns (0:Alarm forever)	1.1.1.1.1	
Alarm Out     Alarm Out: 1     Name Valid Signal: Close     Alarm Out Mode: Switch Mode     Frequency:0     Hz Alarm Time 0     ms (0:Alarm forever)	1.11	
Alarm Out: 1 - Name Valid Signal: Close - Alarm Out Mode: Switch Mode - Frequency:0 Hz Alarm Time 0 ms (0:Alarm forever)		
Name Valid Signat: Close • Alarm Out Mode: Switch Mode • Frequency:[0 Hz Alarm Time [0 ms (0:Alarm forever)	_	
Valid Signal Close  Alarm Out Mode: Switch Mode Frequency[0   Hz Alarm Time[0   ms (0:Alarm forever)		
Alarm Out Mode: Switch Mode		Name
Frequency.0 Hz Alarm Time (0 ms (0:Alarm forever)		Valid Signal: Close 👻
Alarm Time (0 ms (0:Alarm forever)	Transfer and	Alarm Out Mode: Switch Mode -
		Frequency 0 Hz
		Alarm Time 0 ms /0: Alarm forever)
CK OK Reset		Autor Trife D
		OK OK

Internet | Protected Mode: Off

√m - € 100% -

Alarm input: Select the alarm input configuration ID, the alarm can be chose the effective level. Effective level include: high and low two options. When you select high effective input port when access to high level alarm that is triggered by alarm signals, When you select low effective input port when the alarm signal that is triggered off high alert.

Alarm output: Select the alarm output configuration ID, the effective signal, alarm mode and alarm output timing parameters. Effectively including closed and disconnects signals two options: Alarm output model, including switch-mode and square-wave mode, When the choice of square-wave mode, can fill in the frequency of square-wave output, unit is Hertz. **Note: the unit of Alarm Time is millisecond.** 

#### 2.7.2 Disk Alarm configuration

CV Control		
		logout
Live Video	Disk Alarm	
Device Info		
Stream Configuration	Disk Full Alarm Configure	
Route Mapping	Disk Full Alarm	
Device Configuration	Max Disk Space 90 %	
External Device	Disk Error Alarm Configure	
Alarm Configuration	Disk Error Alarm	
> Alarm I/O		
> Disk Alarm		
> I/O Alarm Linkage		
> Motion Alarm		
> Alarm Setting		
Local Record		
Blind Area		
Network Service		
Service Center		
Privilege Manager		
Protocol		
Device Restart		
Default Settings		
	Internet   Protected Mode: Off	• <del>*</del> 100% •

Disk Alert configuration including: disk error alarm and disk full alarm. Disk alarm will be recorded in the alarm log.

### 2.7.3 I/O Alarm Linkage configuration

Note: Before the opening of the record, we must first configure the "Local Record" "Record Policy" parameter.

Alarm I/O: 1 Enable amera ID: 1 Type: Name: OK	- - - -	Set Clear	
Enable amera ID: 1 Type Name:	•		
Enable amera ID: 1 Type Name:	•		
amera ID: 1 Type Name:	•		
amera ID: 1 Type Name:	•		
Type: Name:	•	Set Clear	
Type: Name:	•	Set Clear	
Type: Name:	•	Set Clear	
Type: Name:	•	Set Clear	
Name:	•	Set Clear	
		Set	
💽 ок	Reset		
<u>ок</u>	O Reset		

Options need to configure the alarm I/O of the ID number, can be configured in the Alarm I/O trigger the alarm when the linkage. Including whether the alarm output and whether or not such as the opening of PTZ. First of all, check "Enable IO alarm ", and then click on the "Time Setting" set the I/O warning time of deployment:

# 2.7.4 Motion Alarm configuration

Note: Before the opening of the record, we must first configure the "Local Record""Record Policy" parameter.

Motion Alarm Camera ID: 1 Motion Parameter Camera ID: 1 Output Channel: 1 Camera ID: 1 Type: •	on Camera ID: 1 Motion Parameter Enable Schedule Schedule Motion Area Output Camera ID: 1 Output Camera ID: 1 Type Vame	Motion Alarm Camera ID: 1 Motion Parameter Motion Parameter Enable Schedule Output Channet: 1 Output Channet: 1 Output Channet: Type: Type: Set Camera ID: 1 Set Camera ID: 1 Schedule Sche	Camera ID: 1    Camera ID: 1  Camera ID: 1  Camera ID: 1  Camera ID: 1  Camera ID: 1  Type: View Name: View Celear
Motion Alarm Camera ID: 1  Motion Parameter Camera ID: 1 Output Output Channet: 1 Output Channet: 1 Camera ID: 1 Type: V Name: V Set: Clear	on Camera ID: 1 Motion Alarm Camera ID: 1 Motion Parameter Camera ID: 1 Output Channel: 1 Output Channel: 1 Type:	Motion Alarm Camera ID: 1 Motion Parameter Motion Parameter Enable Schedule Output Channet: 1 Output Channet: 1 Output Channet: Type: Type: Set Camera ID: 1 Set Camera ID: 1 Schedule Sche	Camera ID: 1   Camera ID: 1  Camera ID: 1  Camera ID: 1  Camera ID: 1  Type: • Name: • Set Clear
Camera ID: 1   Motion Parameter  Camera ID: 1  Motion Parameter  Schedule  Motion Area  Motion Area  Motion Area  Camera ID: 1  Type:  Name:  Set Clear  Clear	on Camera ID: 1 Motion Parameter Enable Schedule Schedule Motion Area Output Camera ID: 1 Output Camera ID: 1 Type Name OK Reset	Camera ID: 1   Camera ID: 1  Camera ID: 1  Camera ID: 1  Camera ID: 1  Camera ID: 1  Type: Very Set Cle	Camera ID: 1    Camera ID: 1  Camera ID: 1  Camera ID: 1  Camera ID: 1  Type: Name: Set Clear
Camera ID: 1   Motion Parameter  Camera ID: 1  Motion Parameter  Schedule  Motion Area  Motion Area  Motion Area  Camera ID: 1  Type:  Name:  Set Clear  Clear	on Camera ID: 1 Motion Parameter Enable Schedule Schedule Motion Area Output Camera ID: 1 Output Camera ID: 1 Type Name OK Reset	Camera ID: 1   Camera ID: 1  Camera ID: 1  Camera ID: 1  Camera ID: 1  Camera ID: 1  Type: Very Set Cle	Camera ID: 1    Camera ID: 1  Camera ID: 1  Camera ID: 1  Camera ID: 1  Type: Name: Set Clear
Camera ID: 1   Motion Parameter  Camera ID: 1  Motion Parameter  Schedule  Motion Area  Motion Area  Motion Area  Camera ID: 1  Type:  Name:  Set Clear  Clear	on Camera ID: 1 Motion Parameter Enable Schedule Schedule Motion Area Output Camera ID: 1 Output Camera ID: 1 Type Name OK Reset	Camera ID: 1   Camera ID: 1  Camera ID: 1  Camera ID: 1  Camera ID: 1  Camera ID: 1  Type: Very Set Cle	Camera ID: 1    Camera ID: 1  Camera ID: 1  Camera ID: 1  Camera ID: 1  Type: Name: Set Clear
Motion Parameter     Enable     Schedule     Motion Area      Output Channel:     1     Output Channel:     Type:     Name:     Set     Clear	Camera ID: 1 ~	Camera ID: 1 • • Motion Parameter • Enable • Schedule • Motion Area • Output Output Channel: - 1 • PTZ • Camera ID: 1 • Type: • Name: • Set Cle	Motion Parameter      Enable     Schedule     Schedu
Camera ID: 1			Enable Schedule Motion Area 19 Output Channel: 0 PTZ Camera ID: 1 Type: Name: V Set Clear
Output Output Channel: ☐ 1 O PTZ Camera ID: 1 Type: Name:    Set Clear	Output Channel:  Output Channel:  Camera ID: 1  Type:  Vame:  Set Clea	Output Channel: Output Channel: Camera ID: 1 Type: • Name: • Set Cie	Output Channel:  Camera ID: 1  Type:  Name:  Set Clear
Output Channel: 1 1 Camera ID: 1 Type:	Output Channel: 1 1 Camera ID: 1 Type: Name: Set Clear	Output Channel: 1 1 Camera ID: 1 * Type: * Name: * Set Cle	Output Channel:
1 Camera ID 1 - Type - Name - Set Clear	1 Camera ID: 1 Type: - Name: Set Clear	1 Camera ID: 1 • Type: • Name: • Set Cle	1 Camera ID: 1 - Type: - Name: - Set Clear
Camera ID: 1	Camera ID: 1 - Type: - Name: - Set Clear	Camera ID: 1 - Type: - Name: Set Cle	Camera ID: 1 - Type: - Name: - Set Clear
Type • Name • Set Clear	Type	Type: - Name: - Set Cle	Type - Name - Set Clear
Name Vet Clear	Name Set Clea	Name Set Cle	Name Value Set Clear
Name: Vame: Va	Name: - Set Clea	Name Set Cle	Name: Set Clear
CK CReset	CK OK Reset	OK OReset	CK Reset
OK Keset	OK Reset	OK Keset	OK Reset
			S Internet

Options the camera that need to configure ID number, can be configured to detect movement of the camera to trigger the alarm when the linkage. Including whether the alarm output and whether or not such as the opening of PTZ. First of all, select "Enable Motion Detection", then click on the "Time Setting" set the camera to detect movement of the deployment time.

	200	Sch	edule Time Se	etting	170	
Week	Peri	od 1	Peri	od 2	Peri	od 3
WEEK	Begin Time	End Time	Begin Time	End Time	Begin Time	End Time
Monday	0:00 -	0:00 -	0:00 -	0:00 👻	0:00 -	0:00 -
Tuesday	0:00 -	0:00 👻	0:00 -	0:00 👻	0:00 -	0:00 -
Wednesday	<b>0:00</b> ▼	0:00 👻	0:00 -	0:00 👻	0:00 👻	0:00 -
Thursday	0:00 -	0:00 👻	0:00 -	0:00 👻	0:00 -	0:00 -
Friday	0:00 -	0:00 👻	0:00 -	0:00 👻	0:00 -	0:00 -
Saturday	●:00 ▼	0:00 👻	0:00 👻	0:00 👻	0:00 +	0:00 -
Sunday	0:00 -	0:00 -	0:00 -	0:00 👻	0:00 -	0:00 -
			OK CI	ose		

Require the deployment of the week, and set the beginning and ending days of deployment time, click the "Add" button, click "OK" button.

Click on "Detection of regional Configuration":

Area Motion: Press and hold the left mouse button on the video in order to facilitate the sliding region configured to detect regions, when the need to remove the detection region can click the right mouse button. The most mobile region can not detect more than eight.

Area mask: Hold down the left mouse button within the region to add a mask area, when the need to remove the mask area, you can click the right mouse button.

Note: The maximum number of areas is 8.

# 2.8 local Record

Local recording settings is the SD memory card, NAS and FTP video parameters. Once configured, the device can record video directly to a SD card, NAS and FTP.

# 2.8.1Record policy

Local recording settings is the SD memory card, NAS and FTP video parameters. Once configured, the device can record video directly to a SD card, NAS and FTP.

# 2.8.1Record policy

CV Control	
The set The set of the	
Live Video	
Device Info	
Stream Configuration	
Camera ID: 1  Route Mapping  Camera ID: 1  C	
Device Configuration	
External Device	Record OSchedule
Alarm Configuration	
Local Record Enable Locked	I Files
Record Policy Pre Record:	Sec (0-30Sec)
Record Directory Post Record:	Sec
lind Area	
etwork Service 1	
Service Center	
Privilege Manager	
Protocol Stream:	•
Resolution	
Device Restart Frame Rate(fps):	
Default Settings	
Bit Rate Type:	
Bit Rate(kbps):	
Quality:	
B Record Rule	
Record Audio	
Storage Rule: Save Days	•
Number of Days:	
🖉 ок 🖸 О	Reset

Need to set up the camera to choose ID, you can set the camera to record the quality of SD cards, including: resolution, frame rate, bit-stream parameters.

Schedule Record: Including 7X24-hour record and schedule record. When you select from time to time recording, click the "set-up time"

Schedule Time Setting - Windows Internet Explorer

e	http://192.168.1.123	/asppage/	english/s	scheduletimeparam.asp
---	----------------------	-----------	-----------	-----------------------

Week	Perio	od 1	Peri	od 2	Peri	od 3
Week	Begin Time	End Time	Begin Time	End Time	Begin Time	End Time
Monday	0:00 👻	0:00 -	0:00 -	0:00 🔻	0:00 -	0:00 -
Tuesday	0:00 👻	0:00 👻	0:00 -	0:00 🔻	0:00 -	0:00 -
Wednesday	0:00 👻	0:00 -	0:00 👻	0:00 🔻	0:00 -	0:00 -
Thursday	0:00 👻	0:00 -	0:00 👻	0:00 🔻	0:00 -	0:00 -
Friday	0:00 +	0:00 -	0:00 -	<b>0:00 •</b>	0:00 -	0:00 -
Saturday	0:00 🔻	0:00 👻	0:00 -	0:00 🔻	0:00 -	0:00 👻
Sunday	0:00 -	0:00 -	0:00 👻	• 00:0	0:00 -	• 00:0
			OK CI	ose		<b>100%</b>

Select the week to record, and set recording beginning and end of the day time, click the "Add" button, click the "OK" button $_{\circ}$ 

Alarm record: fill in the Length of pre-recorded and Length recorded continued, Length of pre-recorded up to 30 seconds max.

Note: Document recording the total length of time=Length of pre-recorded+ Event time length+ Length recorded continued, For example, Set the length of pre-recorded for 10 seconds, Length recorded continued for 10 seconds, Trigger motion detection for the duration of 5 seconds, While recording the total length =10+5+10=25 seconds.

Days to keep video: Retain the largest number of days for 9999 days.

Stream: Recording selected video stream ID.

# 2.8.2 Record Directory

Three default directories include SD card, NAS and FTP when setting the video equipment directory.

Video	
ice Info	Record Directory
am Configuration	Record Directory Information
te Mapping	Disk Name: SD1 👻
ice Configuration	Disk Type SD Card
ernal Device	
m Configuration	Enable Flag: Yes
al Record	Usable Space:0 M
cord Policy	Status N/A
cord Directory	File System unknow
d Area	
vork Service	Modify
vice Center	
ilege Manager	
ocol	
ce Restart	
ult Settings	

1. SD card : SD Card: Click on the SD card entry, click on the button "modify", you can format the SD card, the following figure:

	Record Path Mo	dify		
<b>V</b> E	nable			
Disk Name: S	SD1			
Usable Space: 🕻	)	м		
File System:	SDVideo	- 🧟	Format	
	OK Clos	e		

Disk name : can be set to directory name.

Disk group : the default into 1-8 group.

Available space : the directory can be equipped with video available space 0 for not restriction of size.

File system : divided into Video and ext.

2, NAS: Click on the NAS entry, click on the button "modify", and the following figure:

Record Path M	lodify
Enable	woony
IP:	
Path	
Accounts:	
Password:	
Confirm Password:	
File System: cifs	· •
📝 Use All Space	
Free Space:0	Megabyte(s)
OK	lose

Set the correct IP address of the NAS, path, username and password, Click enabled, you can record video directly to a device on the NAS.

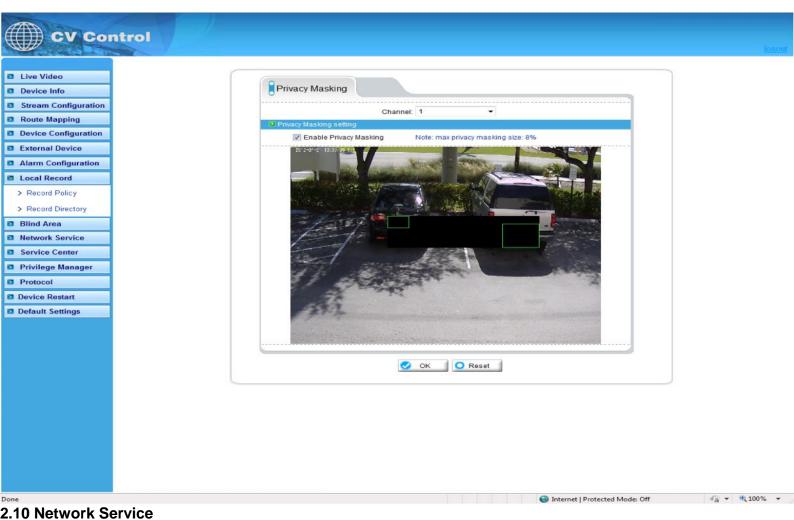
3. FTP : Click on the FTP entries, and click "modify	y" button, pop-up below
Set	
-	

Record Path Modify	y
Enable	
IP:	
Port:port	
Accounts:user	
Password:	
Confirm Password:	
File System:	<b>_</b>
Free Space: 128	Megabyte(s)
OK Close	

Set the right FTP IP address, port, account number and password, click the "opening" button, equipment video recording can directly record to the FTP. Normally ftp port is 21

# 2.9 Privacy Masking setting

Though this function we can set video covered area, the biggest support covered area is no more than 8% total image space.



#### 2.10.2 PPPoe

CV Control		
Live Video	9	1
Device Info	PPPOE	
Stream Configuration	D PPPoE	
Route Mapping	Enable PPPoE	
Device Configuration	User Name:	
External Device	Password.	
Alarm Configuration	+ associ	
Local Record	Ø OK OR Reset	
Blind Area		J.
Network Service		
> PPPoE		
> DDNS		
> Update		
Service Center		
1 Privilege Manager		
Protocol		
Device Restart		
Default Settings		

PPPoE: Network Camera support agreement based on the PPPoE WAN access. Through the client software is set up correctly PPPoE username and password, after every time you start Network Camera, PPPoE mode automatically establish a network connection, after the success of the network camera to obtain the dynamic WAN IP address.

Description: Make sure that ADSL Modem has been opened. PPPoE parameters set for the first time, the need to restart the equipment in order to establish a connection

#### 2.10.3 DDNS

(( ))) CV Control		
		le
		-
Live Video	DDNS	
Device Info	5	
Stream Configuration	DDNS	
Route Mapping	Enable DDNS	
Device Configuration	Provider: 3322 *	
External Device	Domain Name:	
Alarm Configuration	Accounts	
Local Record		
Blind Area	Password	
Network Service		
> PPPoE	OK OR	
> DDNS	Ch Reset	
> Update		2
Service Center		
Privilege Manager		
Protocol		
Device Restart		
Default Settings		
ne.	Source I Protected Mode: Off	

DDNS: Dynamic domain Name service: It is better to register a domain for avoiding input IP address, as IP address is difficult to remember. It is necessary to get a PC with stable IP address in Internet, and domain name service software need to be run on the PC.(The PC will be DDNS)

After connection to network through PPPoE successfully, it is available to get IP address of extensive area network, and send name and IP address to DDNS. When client-side software visits network camera, need to find network camera name and corresponding IP address, then send the address to client-side software; finally client-side software can build network connection with network camera to get video images.

The DDNS supports the 3322 and DynDns domain name, future systems may offer additional options.

#### 2.10.4 Update

CV Control		logout
Live Video		
Device Info	Update	
Stream Configuration	IP Protocol	
🛤 Route Mapping	IP Protocol: IPv4 +	
Device Configuration	Update	
External Device	Update Server IP: 192.168.0.195	
Alarm Configuration	Update Server Port 10051	
Local Record	Update Period: 1 Minute	
Blind Area		
Network Service	OK OK Reset	
> PPPoE		
> DDNS		
> Update		
Service Center		
Privilege Manager		
Protocol		
Device Restart		
Default Settings		
Done	Internet   Protected Mode: Off	- + + 100% +

You can be set to upgrade the server IP address and port number as well as parameters such as the upgrade cycle. Upgrade cycle: unit is minutes; the upgrade process for each time interval to upgrade the server asked whether there is a need to upgrade the new version. Specific steps to upgrade please refer to "Chapter III."

#### 2.11 Service Center

#### 2.11.1 Alarm center

Live Video	
Device Info     Alarm Center	
Stream Configuration D IP Protocol	
Route Mapping     IP Protocol: IPv4     IP Alarm Center Configure	
Alarm Center Server IP	
Alarm Configuration Alarm Center Server Port	
Local Record	
Blind Area	
Network Service	
Service Center	
> Alarm Center	
> SMTP	
I Privilege Manager	
Protocol	
Device Restart	
Default Settings	
ine 🚭 Internet   Protected Mode: Off 🍕 👻 📽	

Alarm center : when alarm triggered , the alarm event is sent to the alarm center as per the IP address.

# 2.11.2 SMTP

	SMTP
figuration	B SMTP
ing	Enable SMTP
iguration	SMTP Server Address
vice	SMTP Server Port 25
guration	
d	User Name:
	Password
rvice	Sender E-mail Address:
iter	Recipient_E-mail_Address1.
er	Recipient_E-mail_Address2:
anager	Recipient_E-mail_Address3
	Recipient_E-mail_Address4.
art	Recipient_E-mail_Address5
ings	Attachment Image Quality: High -
	OK OK

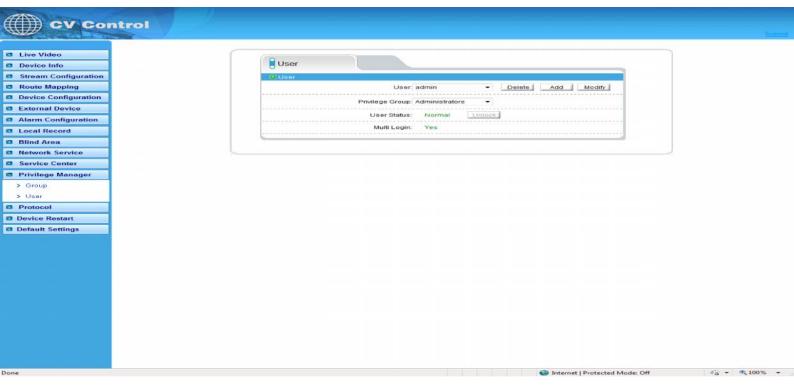
After SMTP is enabled, when triggered by motion detection, alarm and I / O alarm will be automatically sent JPG pictures and alarm information to the recipient's mailbox.

# 2.12 Privilege Manager

# 2.12.1 Authority group setting

CV Control		logout
Live Video		
Device Info	Group	
Stream Configuration	Group	
Route Mapping	Group Administrators   Add Modify Delete	
Device Configuration		
External Device	Privilege Manage 🖉 Live Video 🗹 Network Configure 🗹	
Alarm Configuration	RS485 Configure V Update Configure Alarm Configure V	
	Privilege: Alarm Control Z Camera Configure Z Local Record Z	
Local Record	File Operate 2 Device Restart 2 Disk Configure 2	
Blind Area	Modify Device Parameter 😨 Audio Configure 🗹 Disk Format 🗷	
Network Service	Record Policy V Register Configure OSD Configure V	
Service Center	Device Port V Router Mapping V FTP Configure V	
Privilege Manager	SMTP Configure 🗹 Default Settings 🗹 Stream Configure 🗹	
> Group	Cash Register 🗷 🛛 Privacy Masking 🗹	
> User	Select All 🛅	
Protocol		
Device Restart	OK OK Reset	
Default Settings		
Done	Internet   Protected Mode: Off	<i>4</i> ∰ ♥ € 100% ♥

You can add, modify, or delete access group, but the default permissions group administrators can not to be deleted.



You can add, modify, delete a user, but the default user admin can to be deleted. The default user can unlock the customers which input wrong password for many times.

Support more login: when the user choice "yes" in Multi login, the user can land and user the equipment on different PC at the same time.

# 2.13.1 Protocol information

	ntrol	logoist
Live Video		
Device Info	Protocol Info	
Stream Configuration	Protocol	
Route Mapping	Protocol Name: onvir	
Device Configuration		
External Device	Protocol Version1 v1.01, v1.02 V	
Alarm Configuration	Protocol Software Version: v1.01&1.02build00103	
Local Record		
🖪 Blind Area	OK O Reset	
Network Service	S OK CRESSE	
Service Center		
Privilege Manager		
Protocol		
> Protocol		
> Security		
Device Restart		
Default Settings		
Done	Se Internet   Protected Mode:	Off 4

Can see the current equipment agreement name and version number.

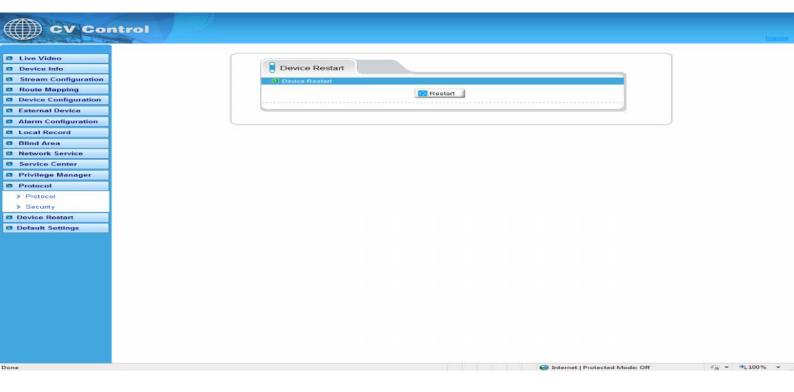
# 2.13.2 Security

CV Control	
CV Control	
Contraction of the second	
Live Video	
Device Info	Security
Stream Configuration	Security
Route Mapping	
Device Configuration	User Verification
External Device	
Alarm Configuration	
Local Record	OK OK
Blind Area	
Network Service	
Service Center	
Privilege Manager	
Protocol	
> Protocol	
> Security	
Device Restart	
Default Settings	
Done	G Internet   Protected Mode: Off

When the equipment is Onvif protocol connect, you can choose whether security checks or not.

#### 2.13 Device Restart

IP CAMERA to use remote control equipment, to resume operation.



# 2.15 Default settings

The parameter of the IP equipment will restored to the factory value.

201	ntrol									
South Lands - La										
deo		(								
Info			Default Setting	s						
m Configuration		and the second se	Default Settings							
Mapping					- Dec	tore				
Configuration										
rnal Device										
Configuration										
al Record										
d Area										
ork Service										
e Center										
ege Manager										
col										
ocol										
curity										
e Restart										
It Settings										
	h						Int.	ernet   Protect	ad Moder O	