

IP WEB User Manual V2.0

Please read carefully before installing or contacting your supplier.
The information contained at the time of printing is correct, but is subject to change without notice. This guide is based on Firmware Version 216.
Every effort has been made for accuracy, product improvements may change the features or functions.

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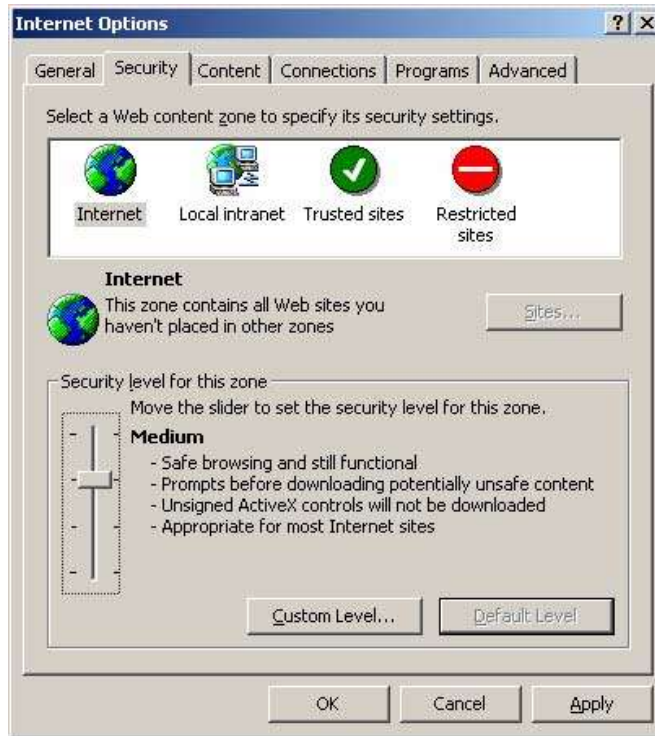
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Chapter ONE - WEB LOGIN

1.1 ActiveX control setting

Before navigating to the camera WEB page, we need to set IE ActiveX controls first. Select Internet Options from the Tools Tab in internet Explorer. Select the Security Tab from the system pop up dialog as follows:

Select “security” “Custom level” Button, in system pop up dialog as follows:



Scroll to "Download unsigned ActiveX controls", change to Enable. It is not recommended to set the Internet safety level to minimum.



1.2 WEB login

After the ActiveX option is set, open IE browser address bar, currently Internet Explorer is the only supported browser. Enter the IP address of the camera in the IE browser address bar. Press the Return Key (ENTER). The WEB page of the camera will appear and prompt you to enter your user name and password for access. **The default IP address is: 192.168.0.120 - The default User Name and Password is: admin**

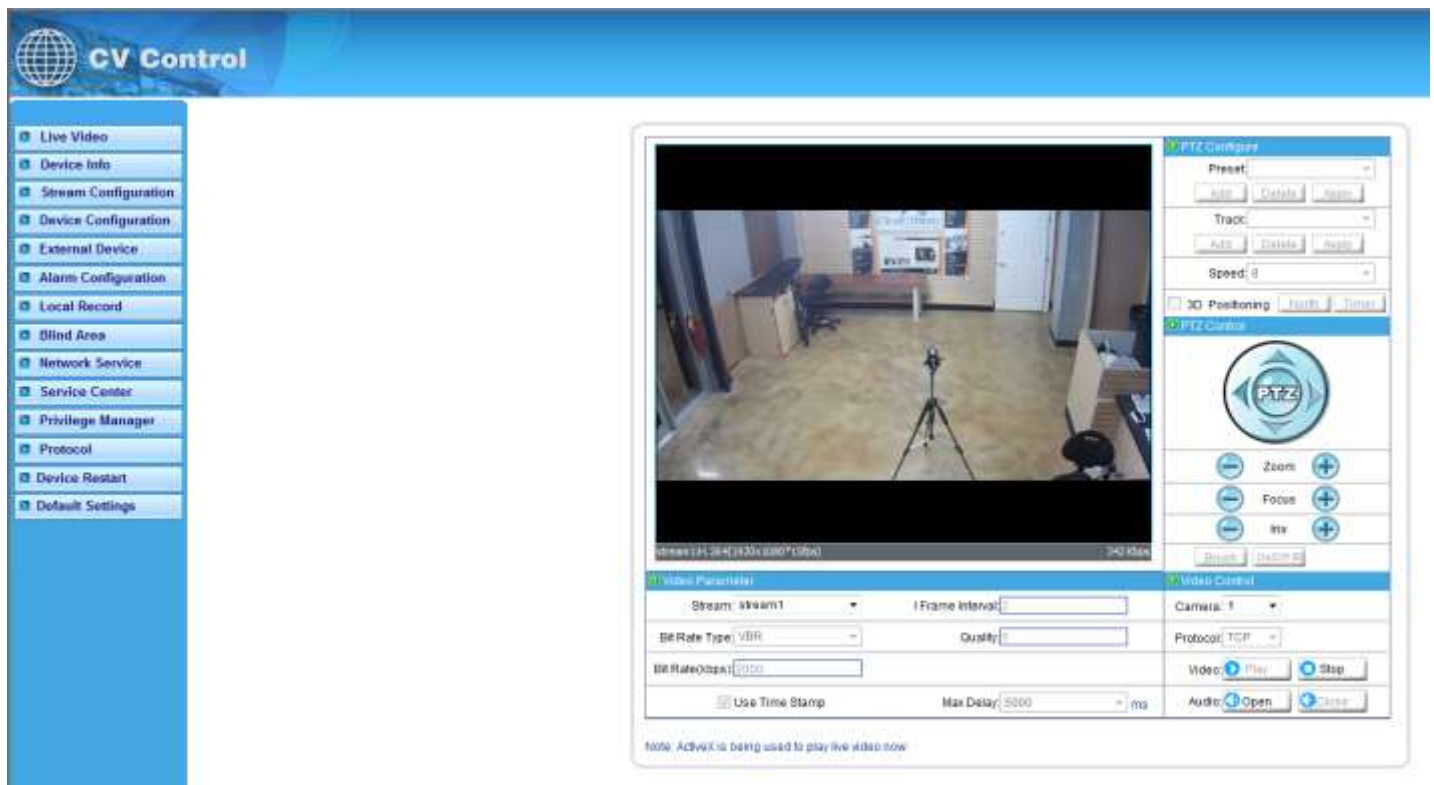
The image shows a web login interface for 'CV Control'. At the top left is a globe icon. To its right, the text 'CV Control' is displayed in a large, bold, white font against a blue background. Below this, there is a language selection dropdown menu currently set to 'English'. Underneath the language menu are two input fields: 'User Name:' and 'Password:'. At the bottom center, there is a 'Login' button with a blue checkmark icon to its left.

Chapter TWO - Device Configuration

2.1 live video

After you have logged in correctly, the webpage will display as below. Move the mouse over the video window and double click the left mouse button, this will change the page into full screen mode for the video stream. Other camera settings are located in the panel on the left side as labeled.

Clicking the right mouse button on the video window will open the Sensor configuration menu.



2.2 Device Information

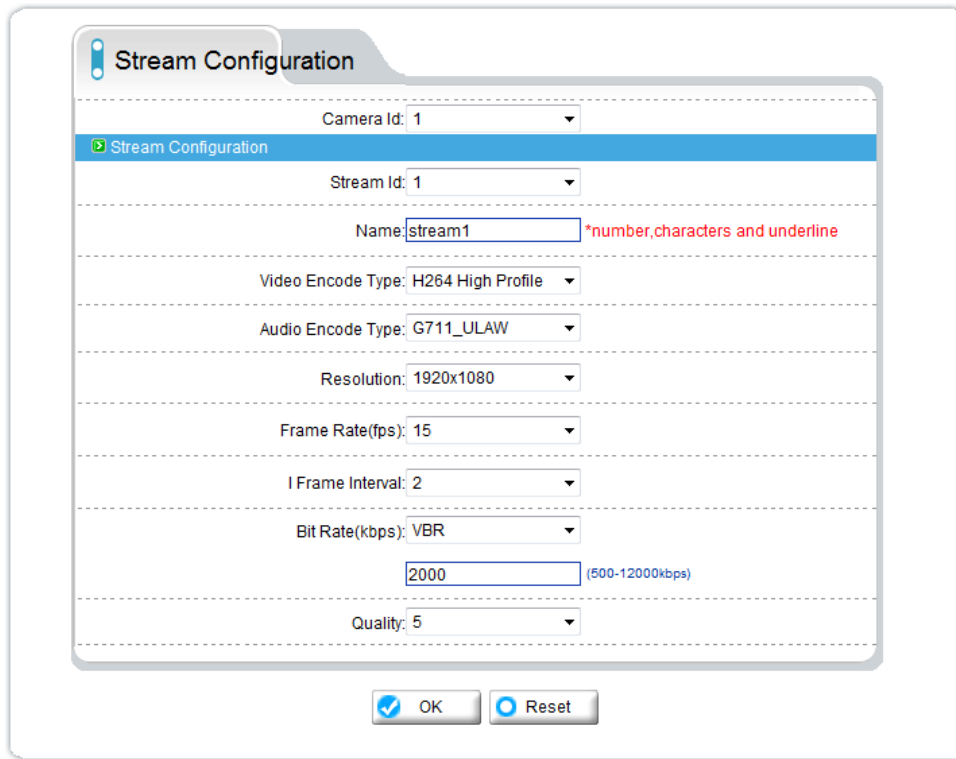
To the left side of the main video window is the “Configuration Panel”, most settings are located there. IP Address configuration, Audio Settings, Network Ports, User Name, Passwords, are some examples.

2.2.1 Device Info: The Device ID & Name is set in this tab, the Hardware & Software Versions are viewable.

The screenshot displays the CV Control web interface. On the left is a vertical menu with the following options: Live Video, Device Info, Stream Configuration, Device Configuration, External Device, Alarm Configuration, Local Record, Blind Area, Network Service, Service Center, Privilege Manager, Protocol, Device Restart, and Default Settings. The 'Device Info' option is selected. The main area shows the 'Device Info' configuration window. It contains several sections: 'Device' with fields for Device ID (0001FB) and Device Name; 'Manufacturer' with fields for Device Type (IP CAM) and Manufacturer Name (OUSA); 'Version' with fields for Hardware Version (V200_1) and Software Version (v1.0_build044014_210); and 'Hardware' with fields for Video Channels (1), Alarm Inputs (1), Alarm Outputs (1), and Serial Ports (1). Each field has a 'Set' button next to it. At the bottom of the window, a note states: 'Note: The device ID is unique. Please don't change it unless special requirement.'

2.3 Stream Configuration

The Submenu listed on the left side labeled "Stream Configuration", enables you to configure the video stream settings for the camera. The screen below is an example seen when selecting this function:



The screenshot shows a "Stream Configuration" dialog box with the following settings:

- Camera Id: 1
- Stream Id: 1
- Name: stream1 (with a red asterisk and text "*number, characters and underline")
- Video Encode Type: H264 High Profile
- Audio Encode Type: G711_ULAW
- Resolution: 1920x1080
- Frame Rate(fps): 15
- I Frame Interval: 2
- Bit Rate(kbps): VBR
- 2000 (with a blue range "(500-12000kbps)")
- Quality: 5

At the bottom, there are two buttons: "OK" (with a checkmark icon) and "Reset" (with a circular arrow icon).

Each camera or video server can be configured for different video streams; each device has up to three different video streams. This let you set a high quality recording stream and a low bitrate stream for remote monitoring. Stream 1 & 2 are H.264, Stream 3 is MJPEG.

Resolution is based on camera specifications such as 1, 2 or 5 MegaPixel, sub resolution levels can be selected, streams can be divided into:1920x1080/1280x960/1280x720/1600x1200/D1/CIF/QCIF, etc.

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

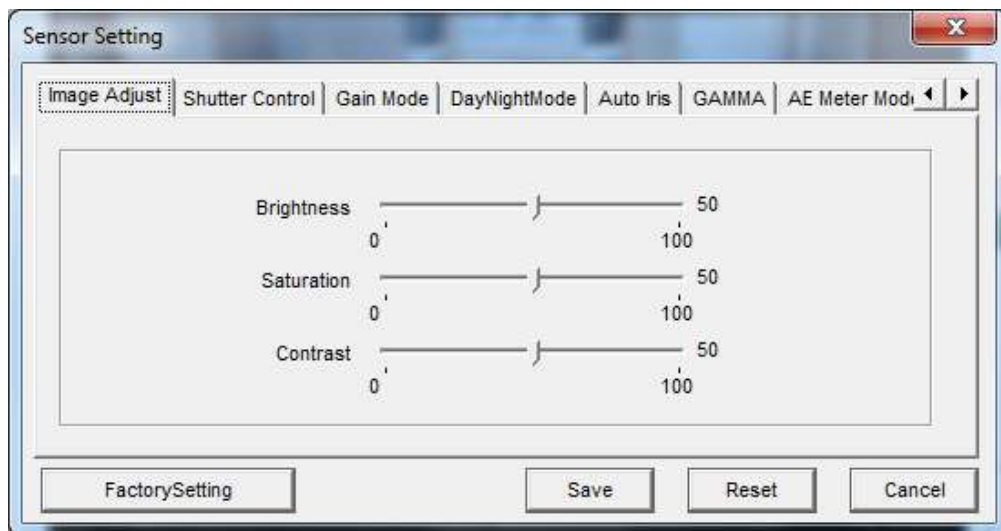
I Frame interval: time interval between I frames divided into 1/2/3/ seconds. The default value 2 should be used.

Bit Rate: CBR or VBR. CBR is constant bit rate, where the data is streamed at a constant value.

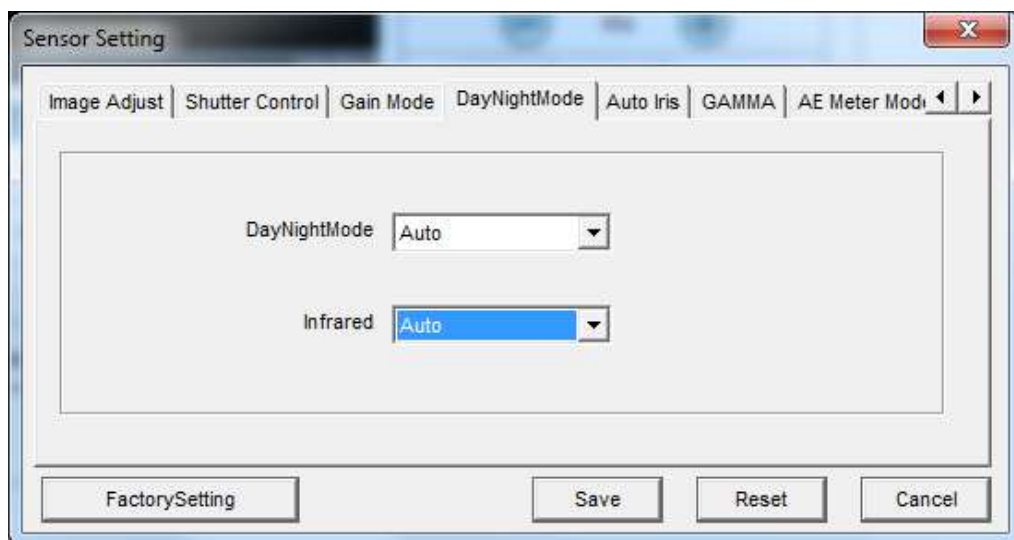
VBR is a variable bit rate, where compression of the video data can change relative to the percent of motion in the video image of the scene. The stream size is relative to the quality setting below.

Quality: Value 1-9 choose within quality. Higher quality values produce clearer images and larger data streams.

2.3.1 Sensor Settings (Config): These tabs control how the camera reacts to the install environment.



2.3.2 IR LED Control



The IR LED's can be manually controlled through the Day/Night tab, the Operation modes are: Auto, Off & On.

2.3.3 Bandwidth Optimization: Best configuration settings for IP Cameras: Open Sensor Config Menu:

- 1) Under Sensor Config menu, select the Bandwidth Optimization tab.
Set Manual mode, Temporal = 40 and Spatial = 10
 - 2) Gain Mode set to Auto, Max Gain (db) = 30db,
 - 3) Shutter Control set to: Auto Shutter, MaxShutter = 1/15
 - 4) Under Stream Configuration menu, select Stream 1, set VBR, High Profile
 - 5) Set Quality 5 or 6 (5 is about 30-40% less bandwidth than 6)
- These settings will decrease bandwidth by more than half AND provide better quality video

2.5.1 Local Network



Camera network IP address and related settings are controlled through this menu. Edit or Change the appropriate fields to match the network parameters the device is being connected to. You must click Apply and OK after making changes, in most cases the device will reboot with the new settings.

2.5.2 Device port



Control port: The default value is 30001, it communicates camera control functions including RS-485 & PTZ control through the network.

TCP audio and video port: The default value is 30002, TCP protocol uses this port for audio & video transmission.

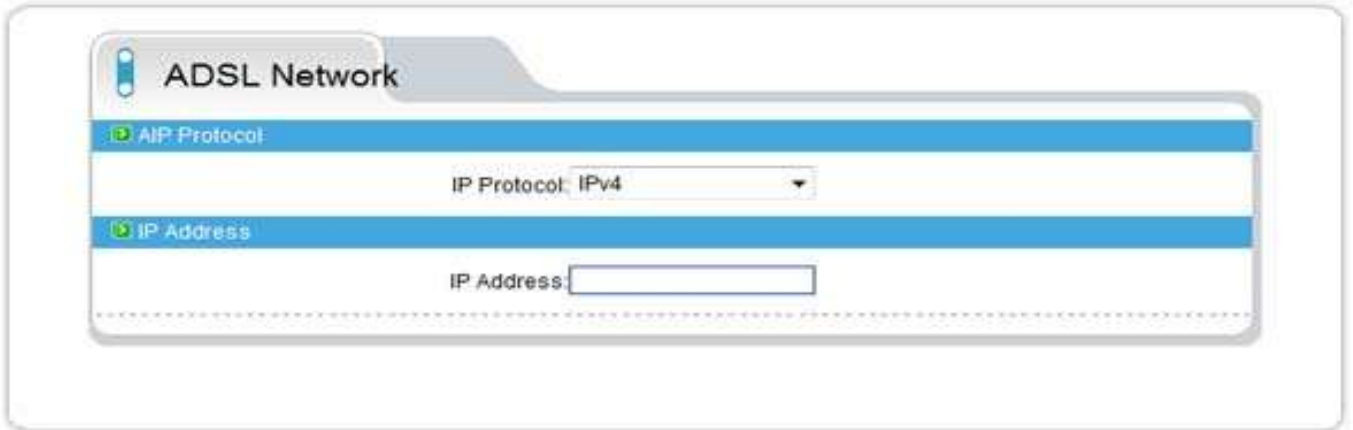
HTTP Port: Default value is 80, for Web page access. If the value is changed, the new value must be used when accessing the device in a browser. As an example, if the port is changed to 8080 and the address is 192.168.0.120, you would use the following URL structure: `http://192.168.0.120:8080` in the browser address bar.

RTSP Port: Default value is 554, the video stream is delivered through this port. It can be used in media players capable of playing streaming video. VLC player & Windows Media player along with other devices can display a video stream from a camera or video encoder.

RTMP Port: Default value is 8080, Flash audio & video data is delivered through this port.

2.5.3 ADSL Network

PPPoE parameters are set under the Network Service tab. After valid data is entered and PPPoE is enabled, a successful dial-up connection to the internet will display the WAN IP Address obtained.



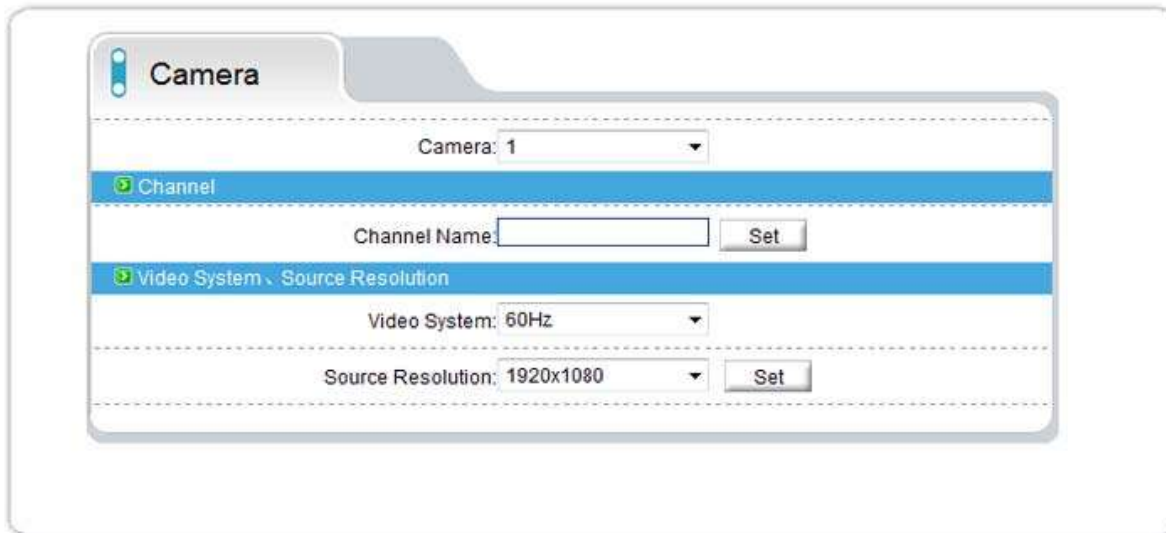
The screenshot shows the 'ADSL Network' configuration window. It has a tabbed interface with the 'ADSL Network' tab selected. Below the tab, there are two main sections. The first section, 'AIP Protocol', contains a dropdown menu for 'IP Protocol' set to 'IPv4'. The second section, 'IP Address', contains a text input field for 'IP Address' which is currently empty.

2.5.5 Camera

Camera Name: Channel Name option can be set, more options are available in the OSD menu. The name of the camera will be displayed in the real-time Monitoring-Device list.

Video System: sets the PAL/NTSC, 50/60 Hz frequency output mode, based on model specifications.

Source Resolution: Sets video source output resolution, this is based on camera resolution and type.



The screenshot shows the 'Camera' configuration window. It has a tabbed interface with the 'Camera' tab selected. Below the tab, there are several settings. At the top, there is a dropdown menu for 'Camera' set to '1'. Below this is a section titled 'Channel' with a text input field for 'Channel Name' and a 'Set' button. Below that is a section titled 'Video System, Source Resolution' with two dropdown menus: 'Video System' set to '60Hz' and 'Source Resolution' set to '1920x1080', each with a corresponding 'Set' button.

2.5.6 Date & Time

Camera date & time parameters are set through this tab. Manual entry, Time Zone, P.C. time sync and NTP server connection, are available options for setting the camera time.

NTP: Network Time Protocol: The camera can be configured to connect to a NTP source for automatic time sync. This ensures the correct time will be available for display and scheduled camera functions.

Date&Time

Time Zone: (GMT) Greenwich Mean Time : Dublin, Edinburgh, Lisbon, London

☐ Adjust clock for daylight saving changes

Start: [] [] Sun. 0:00

End: [] [] Sun. 0:00

Device Time: 2000-12-20 23:28:26

Current PC Time: 2014-3-26 18:35:42

Set Manually: 2009-10-10 10:10:10

NTP

☐ Enable NTP

NTP IP/DNS Name: []

NTP Port: 123

2.5.7 OSD settings

This tab allows customization of the information displayed as OSD Video Overlay. A check placed in the box to the left of the listed label will enable it to display on the video stream.

OSD

Camera: 1

OSD

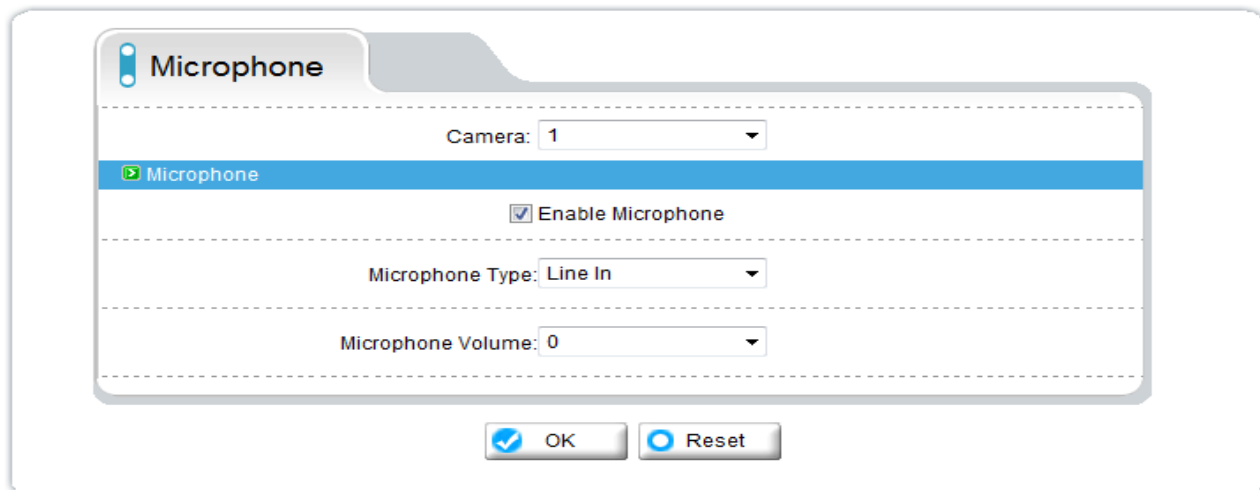
Note: Reciprocal lines or columns are marked by negative value, the last line or column is marked as -0.01.

<input type="checkbox"/> Device Name	Row: 0	Column: 0
<input type="checkbox"/> Channel ID	Row: 0	Column: 0
<input type="checkbox"/> Channel Name	Row: 0	Column: 0
<input checked="" type="checkbox"/> Time	Row: 0	Column: 1
Time Format: hh:mm:ss YYYY-MM-DD ww		
<input type="checkbox"/> Custom_1	Row: 0	Column: 0
OSD:		
<input type="checkbox"/> Custom_2	Row: 0	Column: 0
OSD:		
<input type="checkbox"/> Custom_3	Row: 0	Column: 0
OSD:		
<input type="checkbox"/> Custom_4	Row: 0	Column: 0
OSD:		
<input type="checkbox"/> Custom_5	Row: 0	Column: 0
OSD:		
<input type="checkbox"/> Custom_6	Row: 0	Column: 0
OSD:		

Font

Font Size: 48*48

2.5.8 Microphone setting



The Microphone settings dialog box features a title bar with a microphone icon and the text "Microphone". Below the title bar is a "Camera:" dropdown menu set to "1". A blue bar with a microphone icon and the text "Microphone" is highlighted. Below this bar is a checkbox labeled "Enable Microphone" which is checked. Below the checkbox is a "Microphone Type:" dropdown menu set to "Line In". Below the dropdown menu is a "Microphone Volume:" dropdown menu set to "0". At the bottom of the dialog box are two buttons: "OK" with a checkmark icon and "Reset" with a circular arrow icon.

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 data stream, audio format is set under the Streaming Settings. A check placed in the box on the left side of the Enable Microphone label, enables Mic or Line input.

Microphone Volume controls the signal level.

2.5.9 Dome PTZ

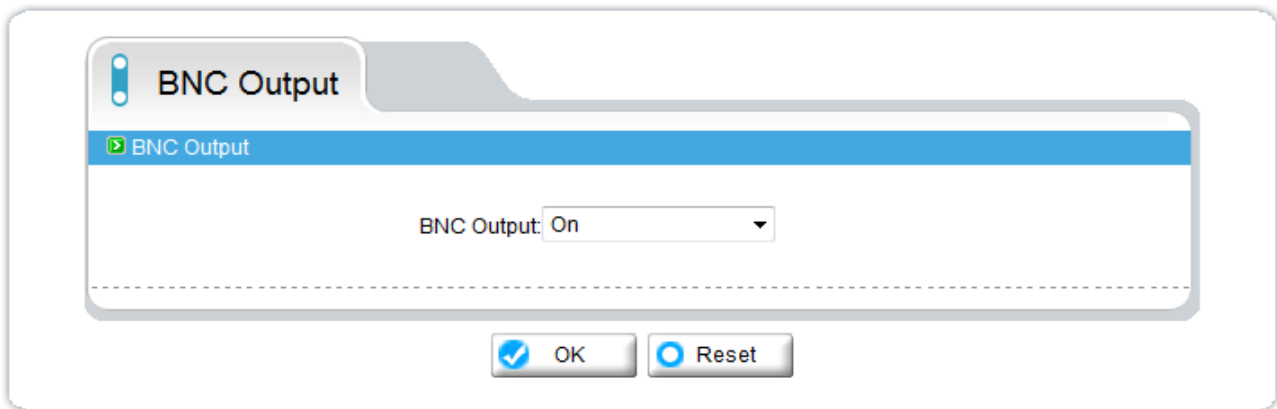
IP PTZ address for RS-485 is set through this function



The Dome PTZ settings dialog box features a title bar with a dome icon and the text "Dome PTZ". Below the title bar is a blue bar with a dome icon and the text "Dome PTZ". Below this bar is a "PTZ Address:" text input field. To the right of the input field is a red asterisk and the text "Range: the integer between 0-255". At the bottom of the dialog box are two buttons: "OK" with a checkmark icon and "Reset" with a circular arrow icon.

2.5.10 BNC Output

This setting enables the composite output for Technician use during install, it also will display the Current IP Address of the camera at the bottom of the screen. This allows the installer to know the IP Address of the camera, without using a computer.



The screenshot shows a configuration window titled "BNC Output". Inside, there is a sub-header "BNC Output" with a green arrow icon. Below it, the text "BNC Output: On" is displayed next to a dropdown arrow. At the bottom of the window, there are two buttons: "OK" with a blue checkmark icon and "Reset" with a blue circular arrow icon.

2.5.11 system service



The screenshot shows a configuration window titled "System Service". Inside, there is a sub-header "System Service" with a green arrow icon. Below it, there are three checkboxes: "Service1" (checked), "Service2" (checked), and "Quiet mode" (unchecked). A note at the bottom states: "Note: Service functions are for factory use only, leave disabled unless requested otherwise." At the bottom of the window, there are two buttons: "OK" with a blue checkmark icon and "Reset" with a blue circular arrow icon.

For factory use & tech support, leave as set.

2.5.12 System Language Configuration

Selects the language of the control menu for the IP Camera.



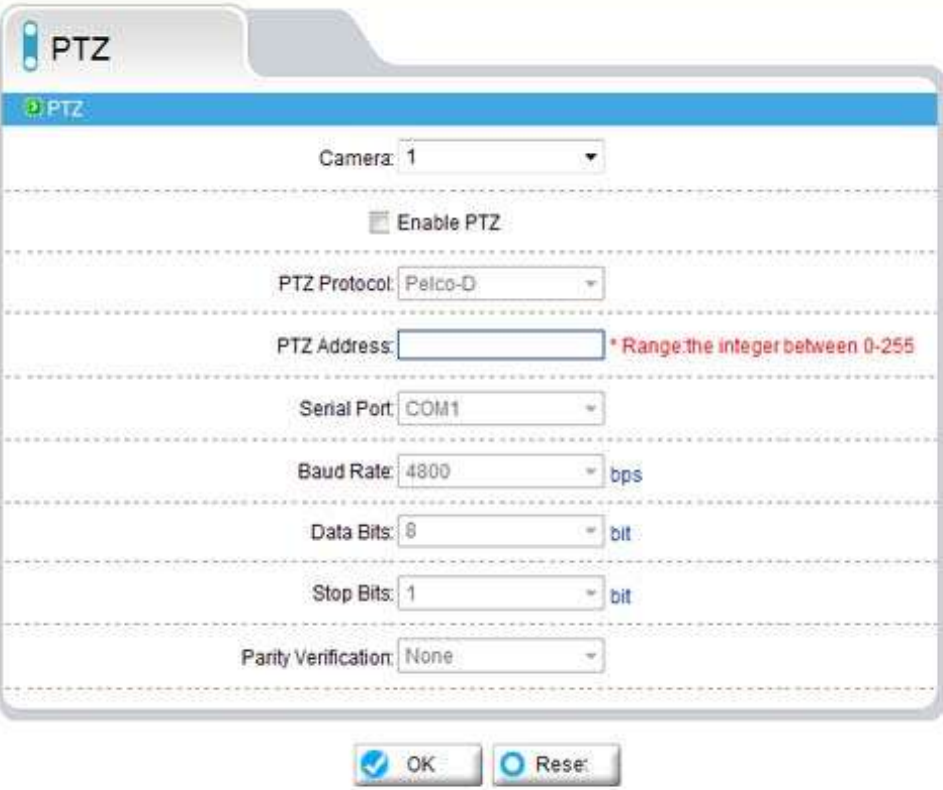
The screenshot shows a configuration window titled "System Configuration". Inside, there is a sub-header "Language Configuration" with a green arrow icon. Below it, the text "Language: English" is displayed next to a dropdown arrow.

2.6 External Device

The IP Camera can connect to external equipment using RS-485 communications.

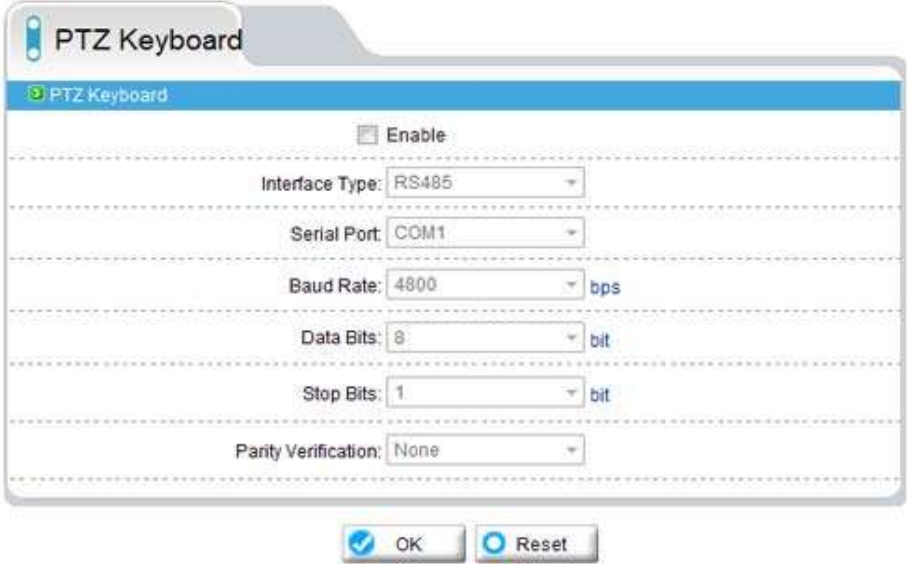
2.6.1 PTZ

The communications protocol, address and baudrate parameters are set in this tab.



The screenshot shows the 'PTZ' configuration window. It has a title bar with a camera icon and the text 'PTZ'. Below the title bar is a blue header with a green icon and the text 'PTZ'. The main area contains several settings: 'Camera' is a dropdown menu set to '1'; 'Enable PTZ' is a checkbox that is checked; 'PTZ Protocol' is a dropdown menu set to 'Pelco-D'; 'PTZ Address' is a text input field with a red note '* Range the integer between 0-255'; 'Serial Port' is a dropdown menu set to 'COM1'; 'Baud Rate' is a dropdown menu set to '4800' with 'bps' next to it; 'Data Bits' is a dropdown menu set to '8' with 'bit' next to it; 'Stop Bits' is a dropdown menu set to '1' with 'bit' next to it; and 'Parity Verification' is a dropdown menu set to 'None'. At the bottom are two buttons: 'OK' with a checkmark icon and 'Reset' with a circular arrow icon.

2.6.2 PTZ Keyboard



The screenshot shows the 'PTZ Keyboard' configuration window. It has a title bar with a camera icon and the text 'PTZ Keyboard'. Below the title bar is a blue header with a green icon and the text 'PTZ Keyboard'. The main area contains several settings: 'Enable' is a checkbox that is checked; 'Interface Type' is a dropdown menu set to 'RS485'; 'Serial Port' is a dropdown menu set to 'COM1'; 'Baud Rate' is a dropdown menu set to '4800' with 'bps' next to it; 'Data Bits' is a dropdown menu set to '8' with 'bit' next to it; 'Stop Bits' is a dropdown menu set to '1' with 'bit' next to it; and 'Parity Verification' is a dropdown menu set to 'None'. At the bottom are two buttons: 'OK' with a checkmark icon and 'Reset' with a circular arrow icon.

PTZ keyboard communication parameters are set in this tab. Data entered needs to match the equipment the camera is being connected to.

2.6.3 Cash Registers

Cash Registers

Cash Registers

☐ Enable

Row: 0 Column: 0

Channel: ☐

1

Interface Type: RS485

Serial Port: COM1

Baud Rate: 4800 bps

Data Bits: 8 bit

Stop Bits: 1 bit


Parity Verification: None

OK Reset

External RS-485 protocol & communications parameters are set through this tab. This provides an interface for cash registers to display the output data of the receipt printer as OSD information.

Note: Special external equipment is required to support this option.

2.6.4 Scanner



The image shows a software window titled "Scanner" with a blue header bar. Below the header, there is a checkbox labeled "Enable Scanner". Underneath, there is a text field for "Bar Code Number" followed by a red asterisk and the text "scope:(1-10)". Below this, there are two text fields: "Row: 0" and "Column: 0". Further down, there is a "Channel:" label followed by a checkbox and the number "1". Below the channel settings, there are several dropdown menus: "Interface Type" set to "RS485", "Serial Port" set to "COM1", "Baud Rate" set to "4800" with "bps" next to it, "Data Bits" set to "8" with "bit" next to it, "Stop Bits" set to "1" with "bit" next to it, and "Parity Verification" set to "None". At the bottom of the window, there are two buttons: "OK" with a blue checkmark icon and "Reset" with a blue circular arrow icon.

Scanner

☐ Enable Scanner

Bar Code Number: * scope:(1-10)

Row: Column:

Channel: ☐ 1

Interface Type: RS485

Serial Port: COM1

Baud Rate: 4800 bps

Data Bits: 8 bit

Stop Bits: 1 bit

Parity Verification: None

OK Reset

A scanner can be interfaced to the camera, the resulting data scans can be displayed as an OSD overlay.

2.7 alarm configuration

Alarm configuration, including alarm I/O port configuration, Disk warning, I/O alarm linkage, and motion detection alarm settings are located under this tab.

2.7.1 Alarm I/O Parameter Configuration

The screenshot shows a software window titled "Alarm I/O". It contains two main sections: "Alarm In" and "Alarm Out".

Alarm In Section:

- Alarm In: 1 (dropdown menu)
- Name: (text input field)
- Valid Voltage Level: High (dropdown menu)

Alarm Out Section:

- Alarm Out: 1 (dropdown menu)
- Name: (text input field)
- Valid Signal: Close (dropdown menu)
- Alarm Out Mode: Switch Mode (dropdown menu)
- Frequency: 0 Hz (Range: 0.01-10) (text input field)
- Alarm Time: 0 ms (0: Alarm forever) (text input field)

At the bottom of the window are two buttons: "OK" and "Reset".

Alarm Input: Select the alarm input configuration ID, Trigger can be set for High or Low level transition.

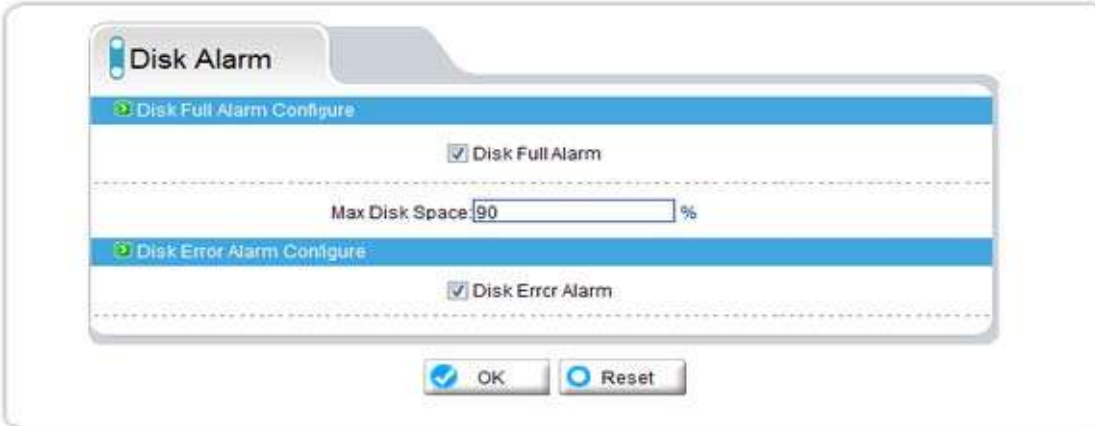
Alarm Output: Select the alarm output configuration ID, The dry contact output can be set as N/C or N/O.

There is an option for Switch Mode & Pulse Mode, Pulse Mode causes the contacts to oscillate at the specified frequency. A pulse can also be output, its duration is set in the Alarm Time box. Note: the unit of Alarm Time is millisecond

The input and output of the camera is low voltage & low current.

NEVER CONNECT 110 VAC to the camera input or output.

2.7.2 Disk Alarm Configuration



The **Disk Alarm** configuration window contains two sections:


- Disk Full Alarm Configure:** Includes a checked checkbox for **Disk Full Alarm** and a text field for **Max Disk Space** set to **90** %.
- Disk Error Alarm Configure:** Includes a checked checkbox for **Disk Error Alarm**.

At the bottom are **OK** and **Reset** buttons.

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

2.7.3 I/O Alarm Linkage Configuration

Note: Before Recording, “Local Record” & “Record Policy” parameters must be configured.



The **I/O Alarm Linkage** configuration window includes the following settings:

- Camera ID:** A dropdown menu currently showing **1**.
- Enable I/O Alarm:** A section with an **Enable** checkbox and a **Schedule** button.
- Output:** A section with an **Output Channel** dropdown menu showing **1**.
- PTZ:** A section with a **Camera ID** dropdown (showing **1**), a **Type** dropdown, and a **Name** dropdown. **Set** and **Clear** buttons are located to the right.

At the bottom are **OK** and **Reset** buttons.

First select the Enable check box, then set the recording schedule. Output response to alarm conditions can include PTZ activation to a preset or other motion commands (Tour, Track, Scan).

Schedule Time Setting						
Week	Period 1		Period 2		Period 3	
	Begin Time	End Time	Begin Time	End Time	Begin Time	End Time
Monday	00:00	00:00	00:00	00:00	00:00	00:00
Tuesday	00:00	00:00	00:00	00:00	00:00	00:00
Wednesday	00:00	00:00	00:00	00:00	00:00	00:00
Thursday	00:00	00:00	00:00	00:00	00:00	00:00
Friday	00:00	00:00	00:00	00:00	00:00	00:00
Saturday	00:00	00:00	00:00	00:00	00:00	00:00
Sunday	00:00	00:00	00:00	00:00	00:00	00:00

2.7.4 Motion Alarm Configuration

Note: Before Recording, “Local Record” & “Record Policy” parameters must be configured.

Motion Alarm

Camera ID: 1

Motion Parameter

☒ Enable

Output

Output Channel: ☐ 1

PTZ

Camera ID: 1

Type:

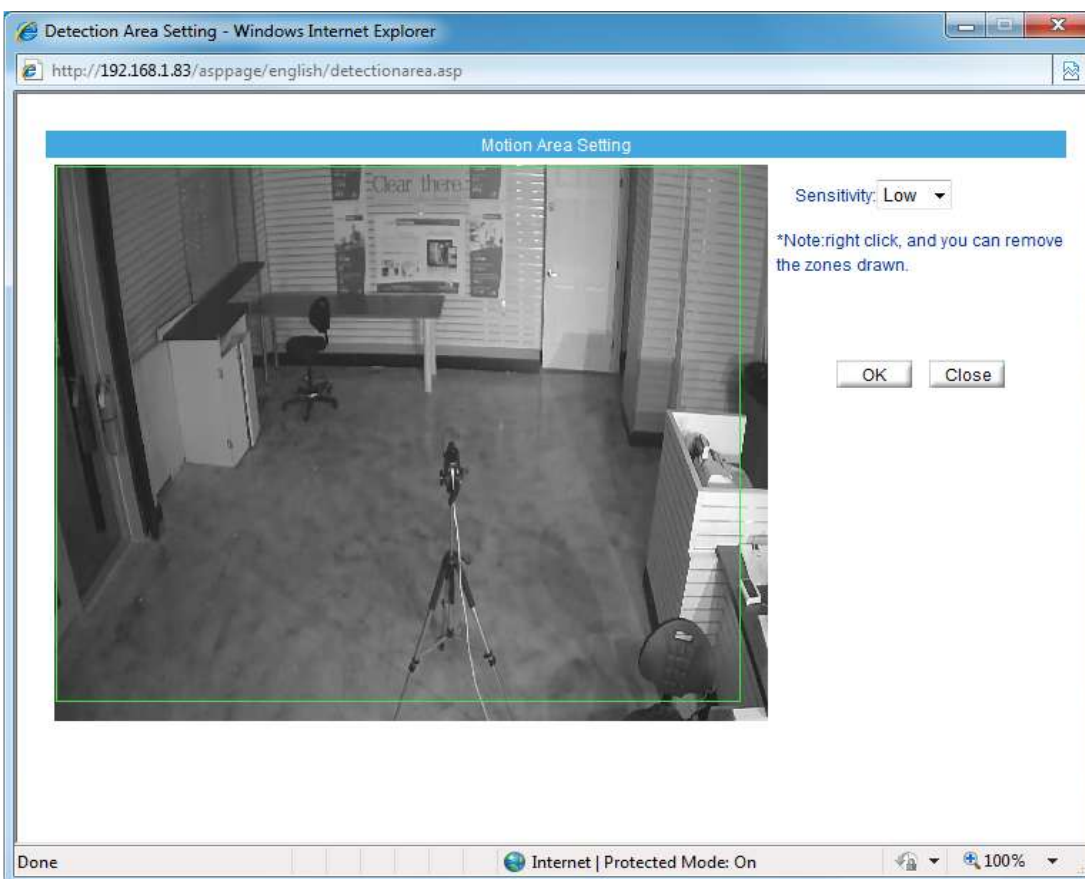
Name:

First enable Motion Parameter check box & set schedule. Configure PTZ movement response to motion detect trigger.

Set the schedule for detecting motion & click OK. Select Motion Area and outline the area of the video scene shown in the Pop-Up window, that you want to use as a trigger.

Schedule Time Setting						
Week	Period 1		Period 2		Period 3	
	Begin Time	End Time	Begin Time	End Time	Begin Time	End Time
Monday	00:00	00:00	00:00	00:00	00:00	00:00
Tuesday	00:00	00:00	00:00	00:00	00:00	00:00
Wednesday	00:00	00:00	00:00	00:00	00:00	00:00
Thursday	00:00	00:00	00:00	00:00	00:00	00:00
Friday	00:00	00:00	00:00	00:00	00:00	00:00
Saturday	00:00	00:00	00:00	00:00	00:00	00:00
Sunday	00:00	00:00	00:00	00:00	00:00	00:00

2.7.5 Motion Area Setting



Motion Area: Press & hold the left mouse button on the video image displayed in the Pop-up, drag boxes to cover the area you want to detect. Up to 8 zones can be added. Use the right mouse button to delete zones.

2.8 local Record

Settings for selecting media source and parameters, SD Card, NAS & FTP.

2.8.1 Record Policy



The 'Record Policy' window is a configuration interface for video recording settings. It features a title bar with a blue icon and the text 'Record Policy'. Below the title bar, there is a 'Camera ID' dropdown menu set to '1'. The window is divided into several sections, each with a blue header and a green expand/collapse icon. The 'Schedule Record' section includes an 'Enable' checkbox, radio buttons for '24*7H Record' (selected) and 'Schedule Record', and a 'Schedule' button. The 'Alarm Record' section includes an 'Enable' checkbox, a 'Locked Files' checkbox, and input fields for 'Pre Record' (0) and 'Post Record' (0) seconds, both with a range of (0-30Sec). It also has checkboxes for 'I/O Alarm, Alarm In:' and 'Motion Alarm, Channel:', both set to '1'. The 'Record Quality' section includes a 'Stream' dropdown set to 'stream1', and input fields for 'Resolution' (1920x1080), 'Frame Rate(fps)' (15), 'I Frame Interval' (2), 'Bit Rate Type' (VBR), 'Bit Rate(kbps)' (2000), and 'Quality' (5). The 'Record Rule' section includes a 'Record Audio' checkbox, a 'Storage Rule' dropdown set to 'Save Days', and an input field for 'Number of Days' (0). At the bottom of the window are 'OK' and 'Reset' buttons.

Record Policy

Camera ID: 1

Schedule Record

☐ Enable

☒ 24*7H Record ☐ Schedule Record

Alarm Record

☐ Enable ☐ Locked Files

Pre Record: 0 Sec (0-30Sec)

Post Record: 0 Sec

I/O Alarm, Alarm In: ☐ 1

Motion Alarm, Channel: ☐ 1

Record Quality

Stream: stream1

Resolution: 1920x1080

Frame Rate(fps): 15

I Frame Interval: 2

Bit Rate Type: VBR

Bit Rate(kbps): 2000

Quality: 5

Record Rule

☐ Record Audio

Storage Rule: Save Days

Number of Days: 0

Select the camera ID, Stream #, Recording Quality and Alarm Record parameters.

Alarm record: Pre and post record length time options are set here.

Days to keep video: Largest number of days is: 9999 days.

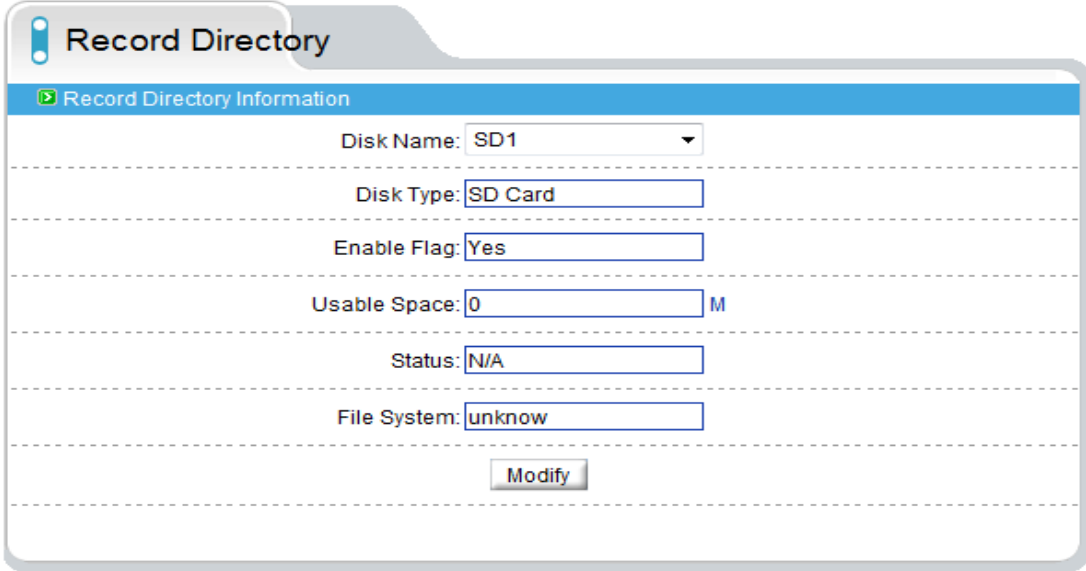
Stream: Record selected video stream ID #.

Note: Triggered Recording Time; the total length of time=Length of pre-recorded+ Event time length + Length recording continued.

Example: Set pre-recorded length to 10 seconds, Length of continued recording to 10 seconds, Trigger motion detection for the duration of 5 seconds.
The recording time total length = 10+5+10=25 seconds.

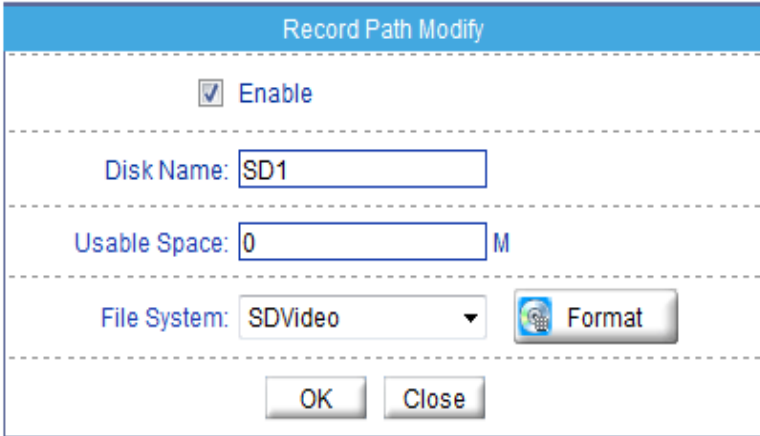
2.8.2 Record Directory

Three media location types are available for storing recorded video: SD card, NAS and FTP.



The image shows a software window titled "Record Directory" with a sub-header "Record Directory Information". The form contains several input fields: "Disk Name" is a dropdown menu showing "SD1"; "Disk Type" is a text box showing "SD Card"; "Enable Flag" is a text box showing "Yes"; "Usable Space" is a text box showing "0" followed by a unit "M"; "Status" is a text box showing "N/A"; and "File System" is a text box showing "unknow". A "Modify" button is located at the bottom right of the form.

1. SD Card: Select SD Card as disk type, click the Modify button, SD Card format menu is displayed below:



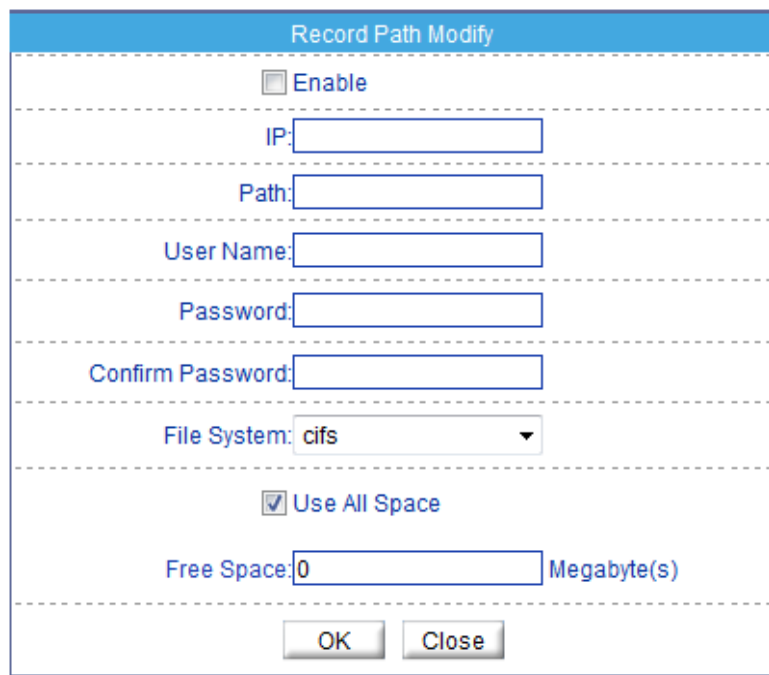
The image shows a "Record Path Modify" dialog box. It has a blue header bar with the title "Record Path Modify". Below the header, there is a checked checkbox labeled "Enable". The "Disk Name" field is a text box containing "SD1". The "Usable Space" field is a text box containing "0" followed by a unit "M". The "File System" field is a dropdown menu showing "SDVideo". To the right of the dropdown menu is a "Format" button with a disk icon. At the bottom of the dialog box are "OK" and "Close" buttons.

Disk Name: can be set to directory name .

Usable Space: the directory size can be limited by entering a value or unrestricted by entering 0.

File System: divided into SD Video and ext3.

2. NAS: Select NAS from the Disk Type and click Modify, the following menu will display:

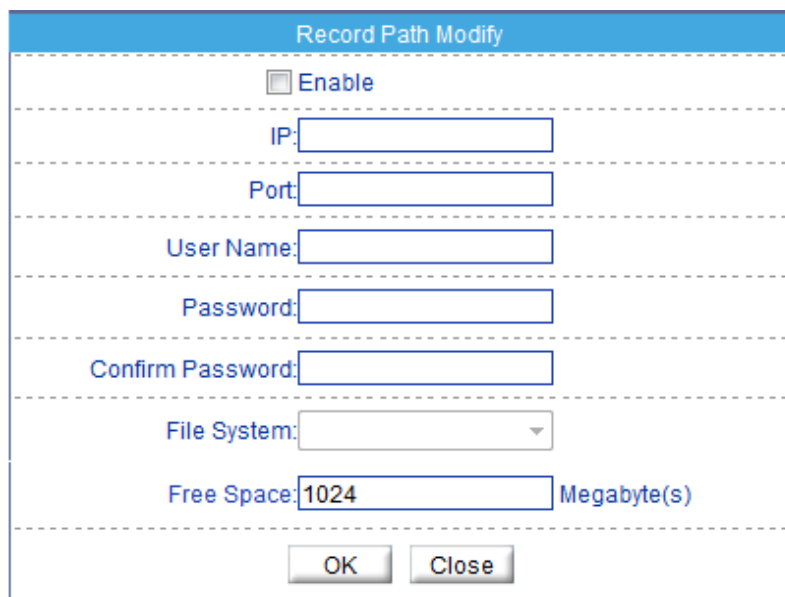


The 'Record Path Modify' dialog box for NAS configuration contains the following elements:

- Enable:** An unchecked checkbox.
- IP:** A text input field.
- Path:** A text input field.
- User Name:** A text input field.
- Password:** A text input field.
- Confirm Password:** A text input field.
- File System:** A dropdown menu with 'cifs' selected.
- Use All Space:** A checked checkbox.
- Free Space:** A text input field containing '0', followed by the label 'Megabyte(s)'.
- Buttons:** 'OK' and 'Close' buttons at the bottom.

Configure NAS IP Address, Path, Username and associated parameters to record directly to NAS.
Click Check Box to enable NAS function

3. FTP: Select FTP as Disk Type and click the Modify Button, the following menu will display:



The 'Record Path Modify' dialog box for FTP configuration contains the following elements:

- Enable:** An unchecked checkbox.
- IP:** A text input field.
- Port:** A text input field.
- User Name:** A text input field.
- Password:** A text input field.
- Confirm Password:** A text input field.
- File System:** A dropdown menu.
- Free Space:** A text input field containing '1024', followed by the label 'Megabyte(s)'.
- Buttons:** 'OK' and 'Close' buttons at the bottom.

Enter FTP IP Address, Port, Username & password info to configure direct recording to FTP location.
Select the Enable Check Box to use FTP storage function for video.

2.9 privacy Masking setting

A privacy mask can be created to prevent viewing & recording of an area, only 8% of the image area can be masked . Simply drag a box over the area you wish to block. The area can be cleared using the right mouse button.

2.10 Network Service

2.10.2 PPPoE

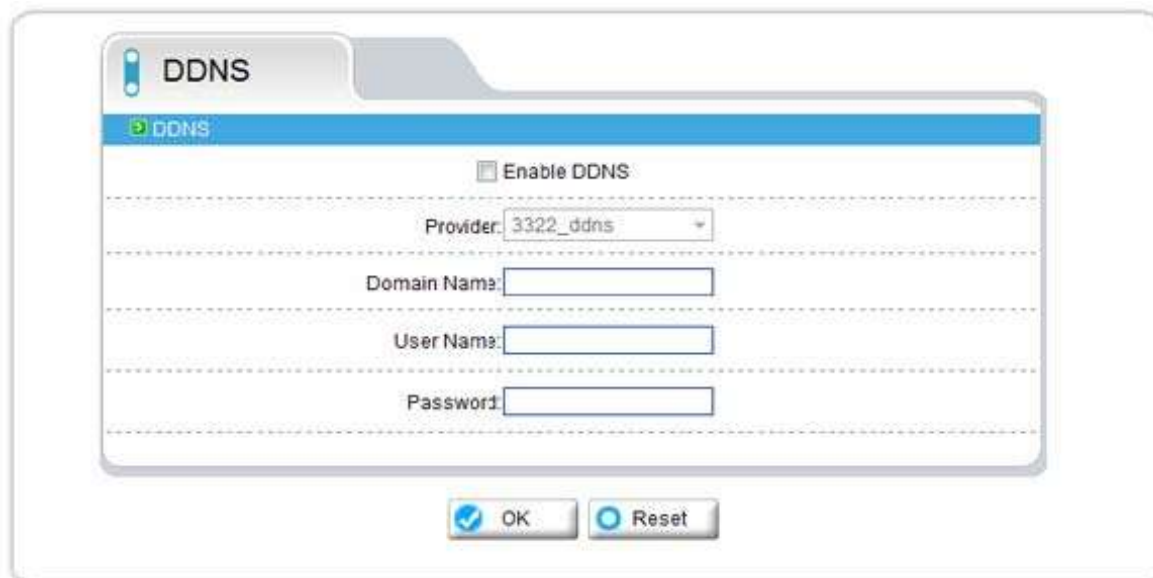


The screenshot shows a web-based configuration window titled "PPPoE". It features a blue header bar with a green "PPPoE" icon and label. Below the header, there is a checkbox labeled "Enable PPPoE". Underneath, there are two input fields: "User Name:" and "Password:". The window has a light gray border and a subtle shadow.

PPPoE: The camera supports connections to equipment requiring PPPoE for WAN access. After the camera client is configured with valid login credentials, the camera will attempt to connect and obtain a WAN IP Address. Upon successful connection, the WAN IP Address is displayed in the ADSL Network Tab.

Note: For first time setup, configure all user information & restart equipment to obtain IP.

2.10.3 DDNS

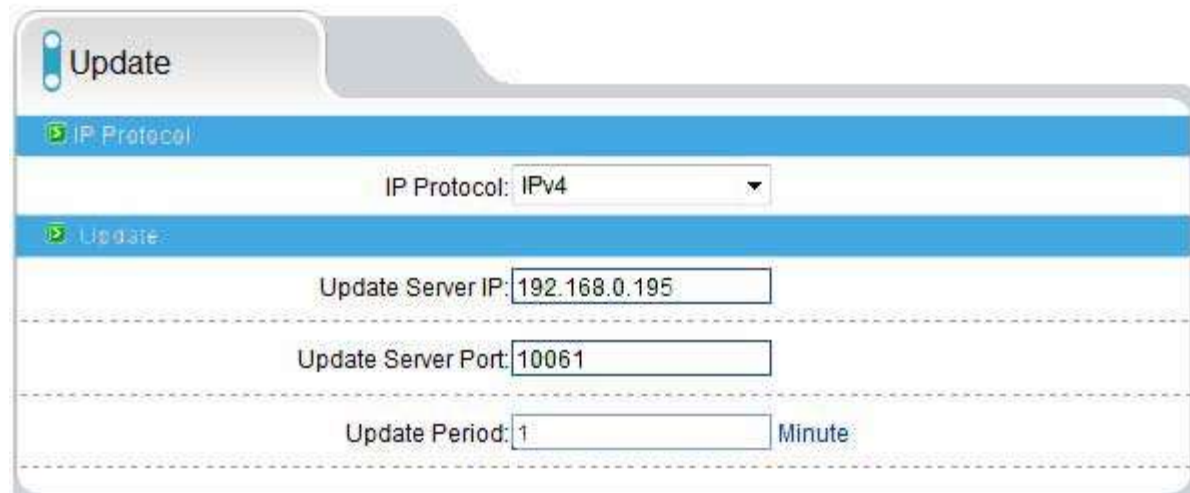


The screenshot shows a web-based configuration window titled "DDNS". It features a blue header bar with a green "DDNS" icon and label. Below the header, there is a checkbox labeled "Enable DDNS". Underneath, there are four input fields: "Provider:" (a dropdown menu showing "3322_ddns"), "Domain Name:", "User Name:", and "Password:". At the bottom of the window, there are two buttons: "OK" (with a blue checkmark icon) and "Reset" (with a blue circular arrow icon). The window has a light gray border and a subtle shadow.

DDNS: Dynamic Domain Name Service; If the WAN that the camera is connected to does not have a static IP Address, such as a PPPoE connection, DDNS can be used to easily locate the camera from the internet. The camera DDNS supports DynDns.com service.

2.10.4 Update

Optional upgrade configuration menu. This method of upgrade is not currently used, if an update is required, Tech Support will provide the correct version of firmware and an automatic install tool with detailed instructions.

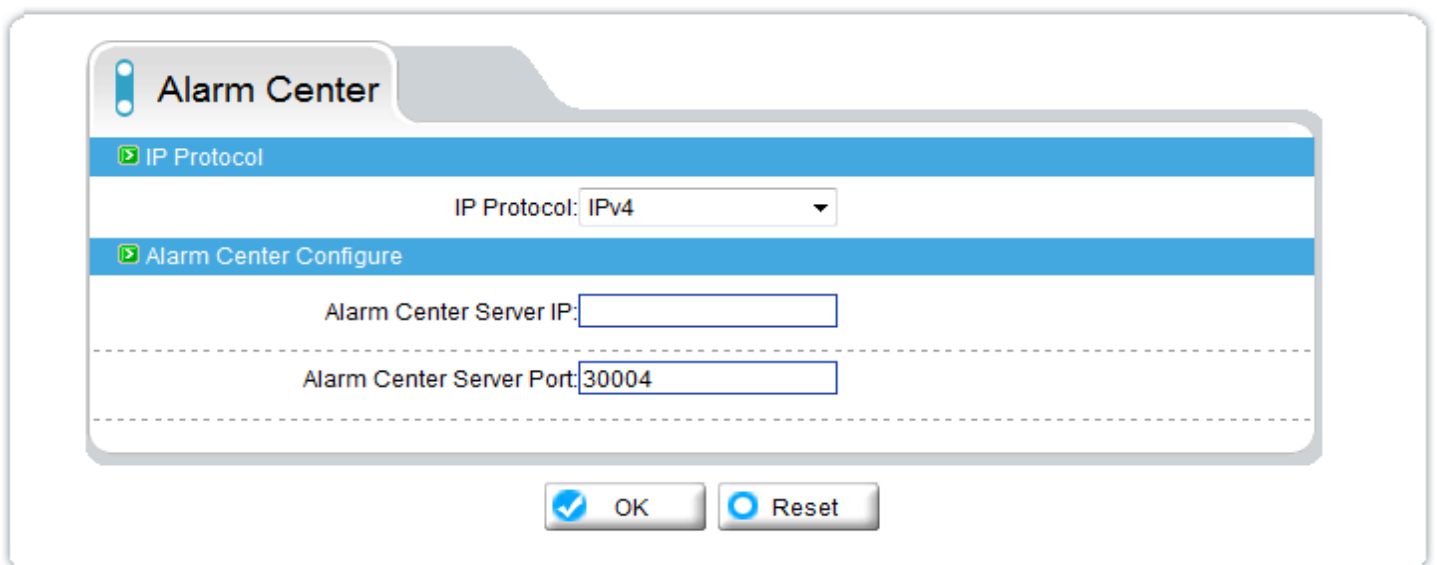


The screenshot shows a configuration window titled "Update". It contains two expandable sections. The first section, "IP Protocol", is expanded and shows a dropdown menu set to "IPv4". The second section, "Update", is also expanded and contains three input fields: "Update Server IP" with the value "192.168.0.195", "Update Server Port" with the value "10061", and "Update Period" with the value "1" and a unit selector set to "Minute".

2.11 Service Center

2.11.1 Alarm center

Alarm Center: Configures the IP Address and Port of the Alarm Center Server.



The screenshot shows a configuration window titled "Alarm Center". It contains two expandable sections. The first section, "IP Protocol", is expanded and shows a dropdown menu set to "IPv4". The second section, "Alarm Center Configure", is also expanded and contains two input fields: "Alarm Center Server IP" which is empty, and "Alarm Center Server Port" with the value "30004". At the bottom of the window, there are two buttons: "OK" with a checkmark icon and "Reset" with a circular arrow icon.

2.11.2 SMTP

SMTP: Enter the SMTP Mail Server info from your ISP or Service Provider. This enables the sending of images & messages to the listed Mail recipients when the Alarm Trigger conditions are reached for I/O or Motion.

SMTP

SMTP

☐ Enable SMTP

SMTP Server Address:

SMTP Server Port:25

User Name:

Password:

Sender E-mail Address:

Recipient_E-mail_Address1:

Recipient_E-mail_Address2:

Recipient_E-mail_Address3:

Recipient_E-mail_Address4:

Recipient_E-mail_Address5:

Attachment Image Quality: High

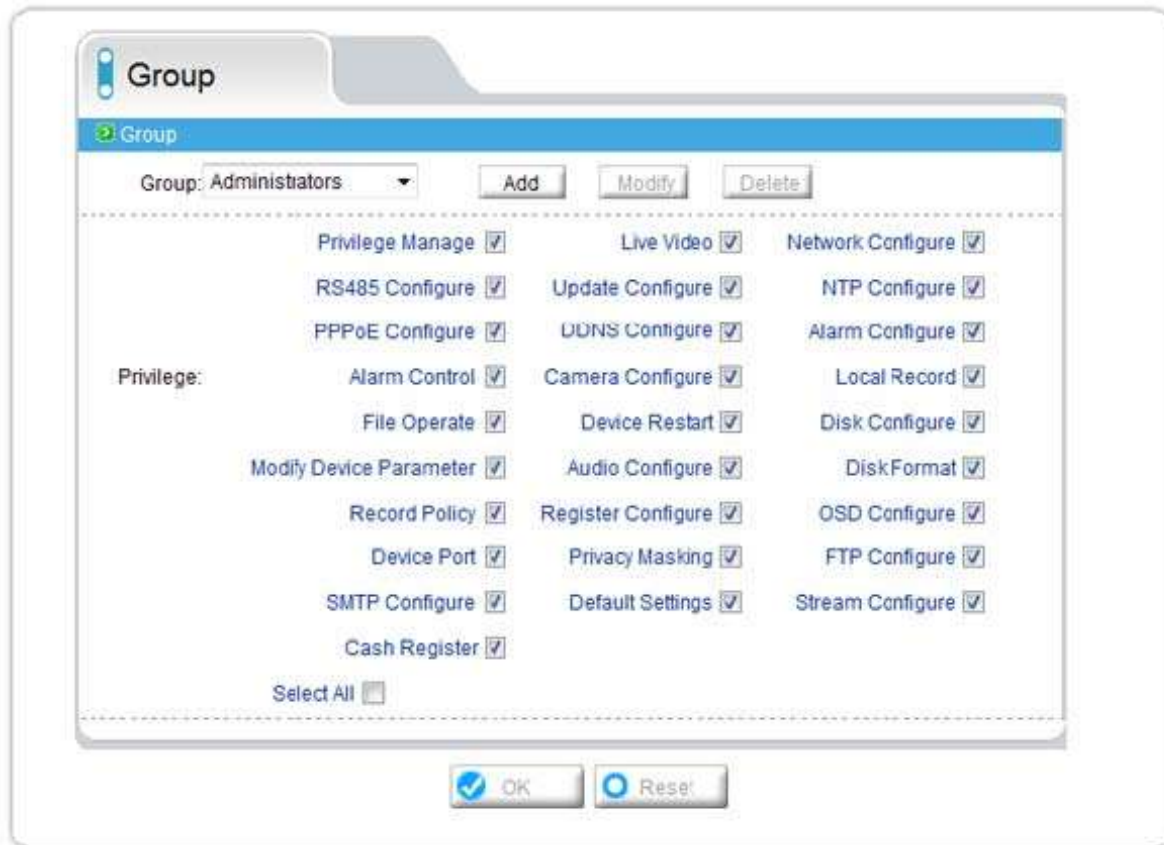
Transport Mode: Not Encrypted

Send testMail

☒ OK ☐ Reset

2.12 Privilege Manager

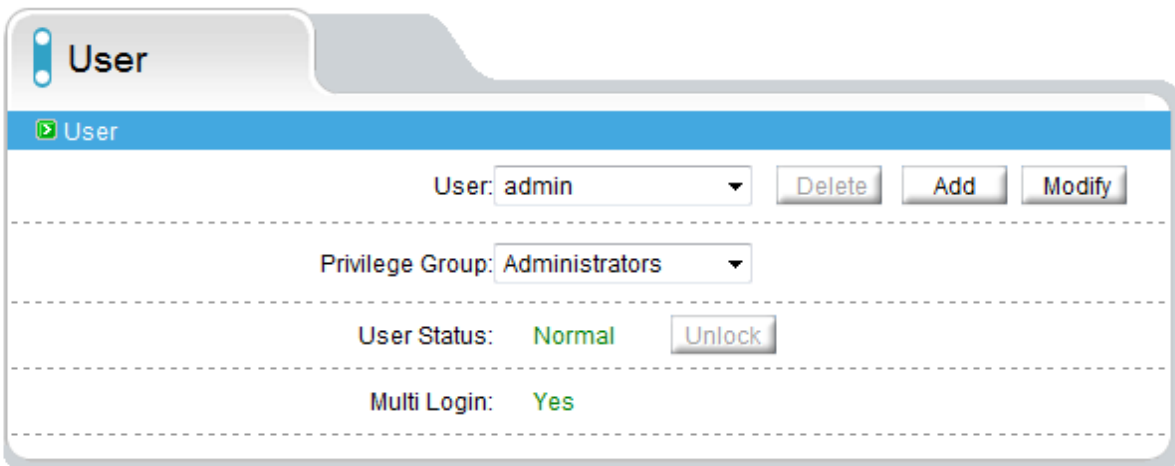
2.12.1 Group Authority Setting



Groups with different privilege levels can be created to protect the camera from access and unauthorized setting changes, while allowing controlled access to the camera for viewing. Groups can be added or removed, the Administrators Group basic permissions cannot be deleted.

2.12.2 User setting

Users can be added, removed or modified and be attached to any group for permissions. User passwords can also be created and changed. The default user admin, cannot be deleted. Options for Multi Login can be set to allow or secure multiple logins by the same account at the same time.



The 'User' settings interface features a tabbed design with the 'User' tab selected. Below the tab is a blue header bar with a green play icon and the word 'User'. The main area contains four rows of settings, each separated by a dashed line. The first row shows 'User:' with a dropdown menu set to 'admin' and three buttons: 'Delete', 'Add', and 'Modify'. The second row shows 'Privilege Group:' with a dropdown menu set to 'Administrators'. The third row shows 'User Status:' with the value 'Normal' in green and an 'Unlock' button. The fourth row shows 'Multi Login:' with the value 'Yes' in green.

User:	admin	Delete	Add	Modify
Privilege Group:	Administrators			
User Status:	Normal	Unlock		
Multi Login:	Yes			

2.13 protocol

2.13.1 Protocol information

This is a view only menu to check the protocol version, Name & Build.



The 'Protocol Info' interface has a tabbed design with the 'Protocol Info' tab selected. Below the tab is a blue header bar with a green play icon and the word 'Protocol'. The main area contains three rows of settings, each separated by a dashed line. The first row shows 'Protocol Name:' with a dropdown menu set to 'onvif'. The second row shows 'Protocol Version:' with a dropdown menu set to 'v2.2'. The third row shows 'Protocol Software Version:' with a text box containing 'v2.2_build001053'. At the bottom are two buttons: 'OK' and 'Reset'.

Protocol Name:	onvif
Protocol Version:	v2.2
Protocol Software Version:	v2.2_build001053

OK Reset

2.13.2 Security

When the ONVIF protocol is in use, this selects the option to use security credentials



2.14 Device Restart

Select the Restart button to reboot the camera.



2.15 Default settings



The parameters of the IP equipment will be restored to the factory value. This will remove any User ID's, Passwords and IP Addresses that were added. The camera will be restored to the default IP Address 192.168.0.120 and User / Password: admin.