

**High Definition Intelligent IR
IP Speed Dome Camera**

User's Manual

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Chapter 1 Precautions

- Please read this manual carefully before installation.

Note: the speed dome uses AC/DC24V power supply, and take out the dome body with power on is not allowed.

- **Handle with care**

In transportation and storage process, we need to prevent stress, such as severe vibration, and immersion to avoid any damage to the product. This product must be carried disassembled and packaged, either in delivery to users or in return delivery to the factory for repairing. Damage caused by assembled transportation will not be covered by warranty.

- **Install with care**

Handle the product carefully and gently. Prevent such incorrect operations as stress, severe vibration, or may lead to mechanical failure, affecting the overall performance of product; the electrical installation must comply with safety standards, with use of dedicated power adapter;

Under the cover are advanced optical devices, avoid direct hand touch, for the sake of image quality; Control signals and video signals should maintain a sufficient distance from high-voltage equipment or cables in the transmission process, if necessary, take anti-lightning, anti-surge and other protective measures.

Keep power off until the completion of all installation.

- **Do not dismantle parts**

Do not dismantle internal parts, please turn to qualified maintenance professionals to carry out repairs.

- **Keep the product away from electric or magnetic fields**

If the product is placed near TV, radio transmitters, electromagnetic devices, electric motors, transformers, loudspeakers in the vicinity, the electromagnetic fields generated by them would interfere the image.

- **Do not point the camera at strong light**

Regardless of power on/off status, do not point the camera at the sun or very bright objects, do not point the camera at bright stationary objects for a long time, otherwise it

will cause unrecoverable damage to the camera CCD.

● **Maintenance with care**

It is advised to avoid collision or vibration. Do not use strong or abrasive detergents to clean the dome body.

When cleaning up dirt, use dry cloth. If dirt is uneasy to remove, swab with a neutral detergent. If there is sticky dust on the lens, please use the special lens paper.

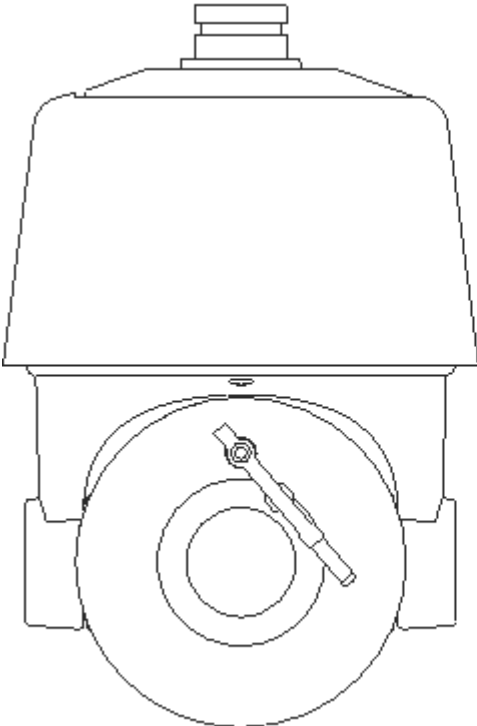
● **Working Environment**

| | Speed Dome |
|---------------------------|-----------------------|
| Environmental temperature | -40°C ~ +60°C |
| Moisture | <95% (Non-condensing) |
| Atmospheric pressure | 86 ~ 106KPa |
| Power | AC/DC 24V/3.0A |

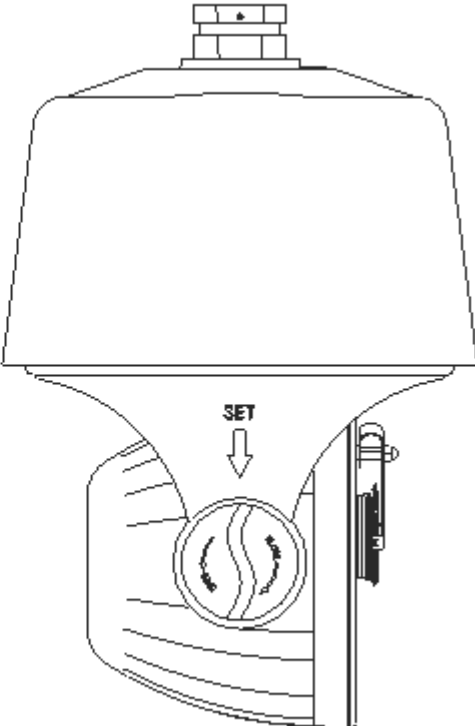
Note: make sure outdoor installation meets water-proof requirements

Chapter 2 Structure

Front view



Side view



Chapter 3 Functions Description

3.1 Features

1. Built-in Decoder

- 1.3M HD IP Speed Dome (18x) support 720P 25/30fps output.
- 1.3M HD IP Speed Dome (30x) support 720P 25/30fps output.
- 2M HD IP Speed Dome (20x) support 1080P 25/30fps output.
- Support English menu
- Power-off protection, no data loss
- RJ-45 port network port
- Support PELCO_P、PELCO_D protocols。
- Support 3D location
- 220 programmable presets
- 8 cruising tracks, each cruising track has 32 preset positions
- 8 auto scan tracks, the left and right boundaries and scan speed can be set
- 8 privacy zones
- Support OSD, date and time display
- Support 8 channel alarm input and 2 channel alarm output
- Support TF storage and local capture

2. Integrated Universal Speed Change Rotator

- Manual Speed: $0.1^{\circ}\sim 200^{\circ}/s$, Max speed $400^{\circ}/s$
- 360° continuous pan rotation, tilt $-11^{\circ}\sim 90^{\circ}$ auto flip
- Stepless speed change, auto zoom/speed matching
- Classic double bearing structure, more stable operation
- Delicate stepping motor, stable, sensitive and accurate

3. All-weather Outdoor Design

- Built-in heater
- Double housing structure
- IP66 water proof

3.2 Function Instruction

- **Focus/Rotate Auto Match**

Speed Dome can auto adjust pan and tilt rotation speed depending on the focus distance.

- **Preset Position Setting and Calling**

Preset function means the speed dome can memory current pan/tilt angel, focus, zoom, ect. When need, it can be called upon directly. Our speed dome support up to 220 preset positions.

- **Auto Scan**

Users can set the left and right boundaries by control keyboard. Then speed dome can scan between it. It can set up to 8 groups scan path.

- **Auto Cruising**

Users can program some preset positions into auto cruising sequence, then the speed dome can track as it. Each cruising tracks has 32 preset positions.

- **Pattern Tour**

Speed Dome can memory 180s running path. When start pattern tour, speed dome can track as recording path. It supports 4 groups pattern tour.

- **Guard Location**

The dome will rotate back to preset position after a period of vacant time.

- **Power-off Protection**

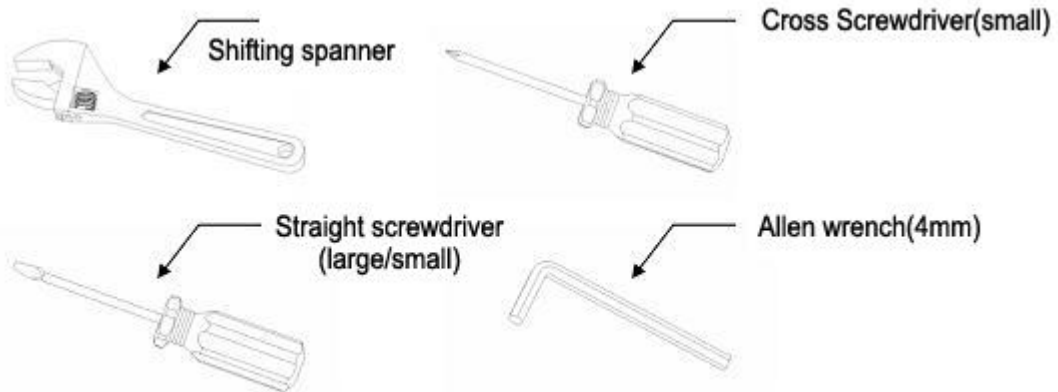
Speed dome can resume operation status before the power-off, no data loss.

Chapter 4 Installation Guide

4.1 Preparation

1. Tools:

Please prepare the necessary tools according to specific situations



2. Check installation space and address

Check the space is enough to install the speed dome. The wall must be thick enough to install the expansion screws and can bear 4 times the weight of the dome camera itself.

3. Please well keep the whole package

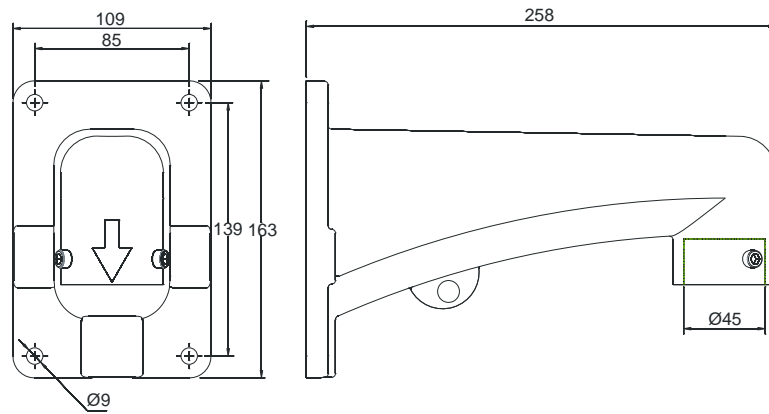
After open the package, please well keep them in case need to return to manufacturer if any problem.

★Note: The non-original package may lead to damage during the transportation.

4.2 Installation

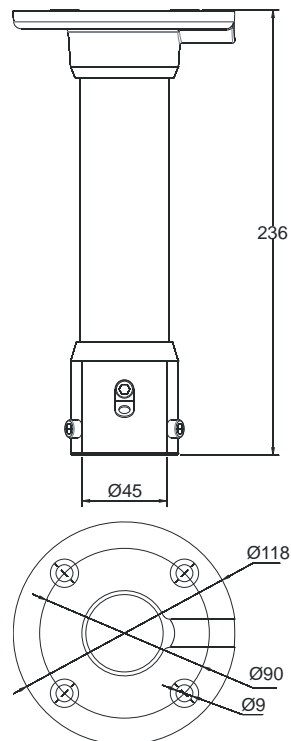
The speed dome supports four types installation as following:

1: Wall mount and dimension:



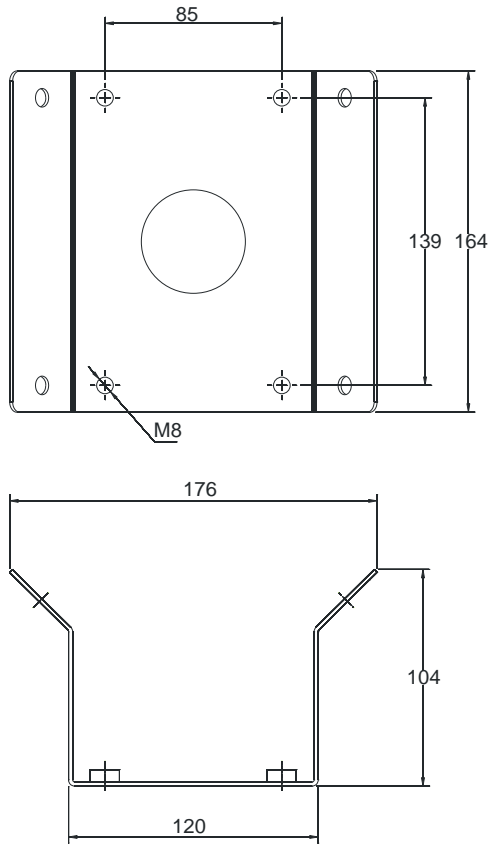
Wall Mount Bracket Dimension

2: Pedant mount and dimension:



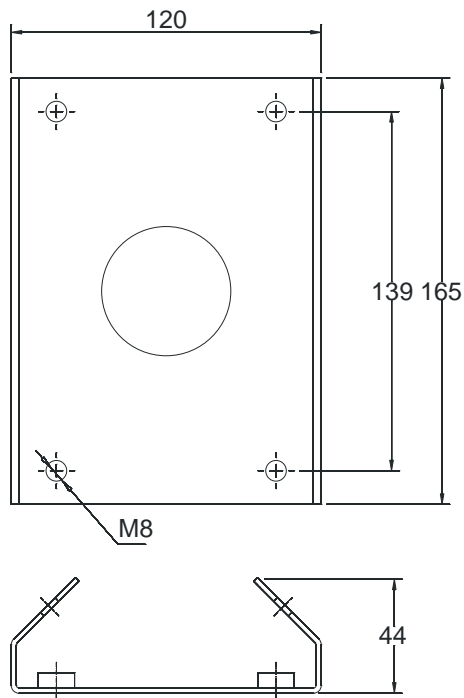
Pedant Mount Bracket Dimension

3: External corner and dimension



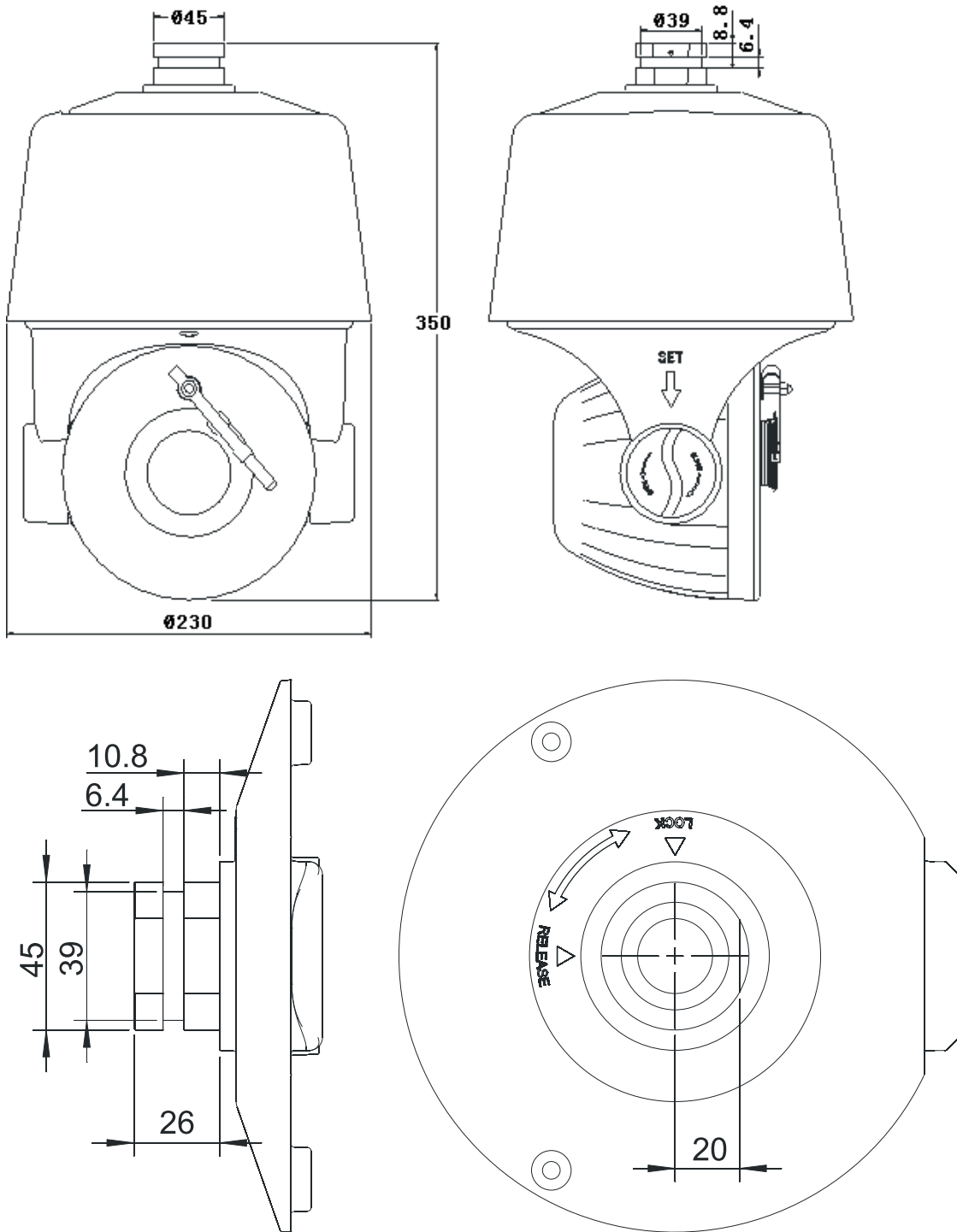
External Corner Bracket and Dimension

4: Pole mount and dimension:

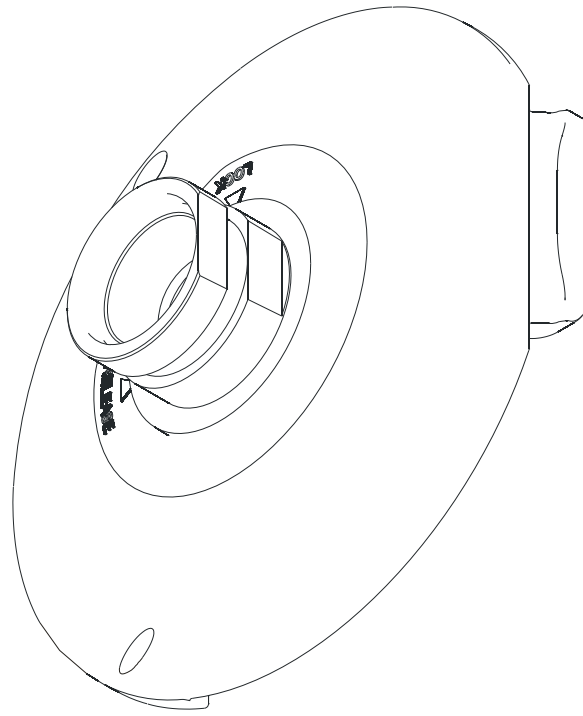


Pole Mount Bracket and Dimension

4.3 Interface Instruction



Speed Dome and Bracket Interface Dimension

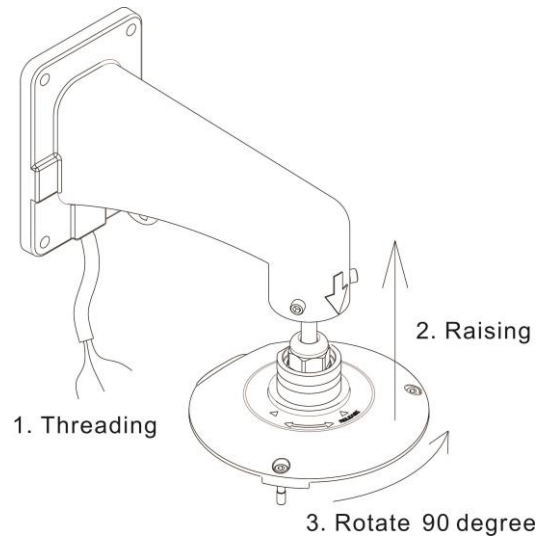


Speed Dome and Bracket Interface Perspective Picture

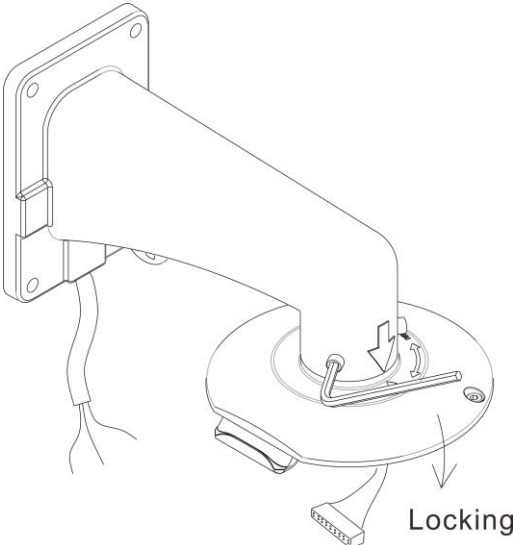
4.4 Installation Procedures

(Take Wall Mount as Example)

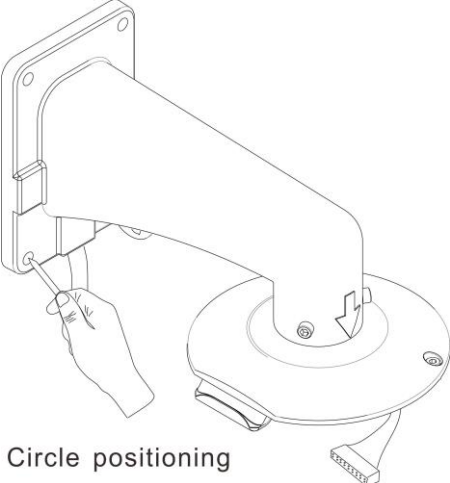
1. Install bracket with firmware



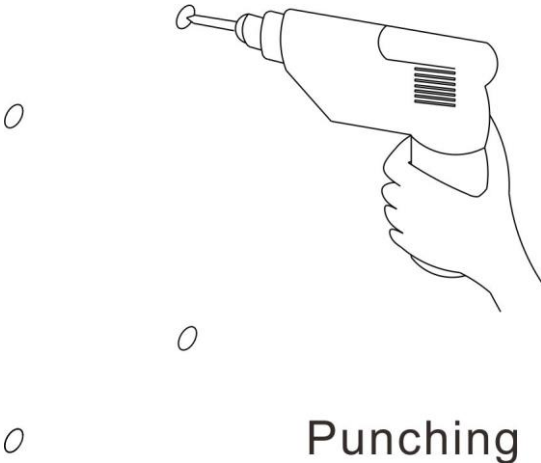
2. Lock the screws



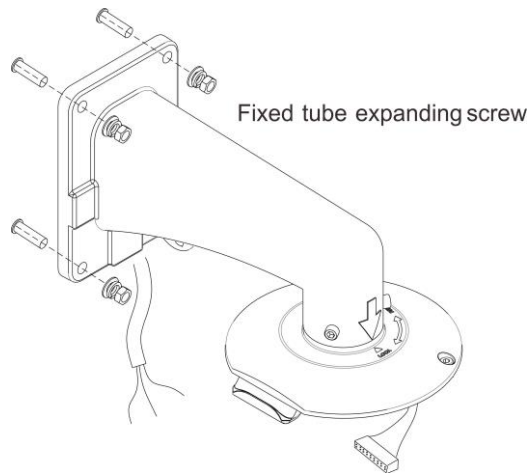
3. Select the installation position and make circles positioning.



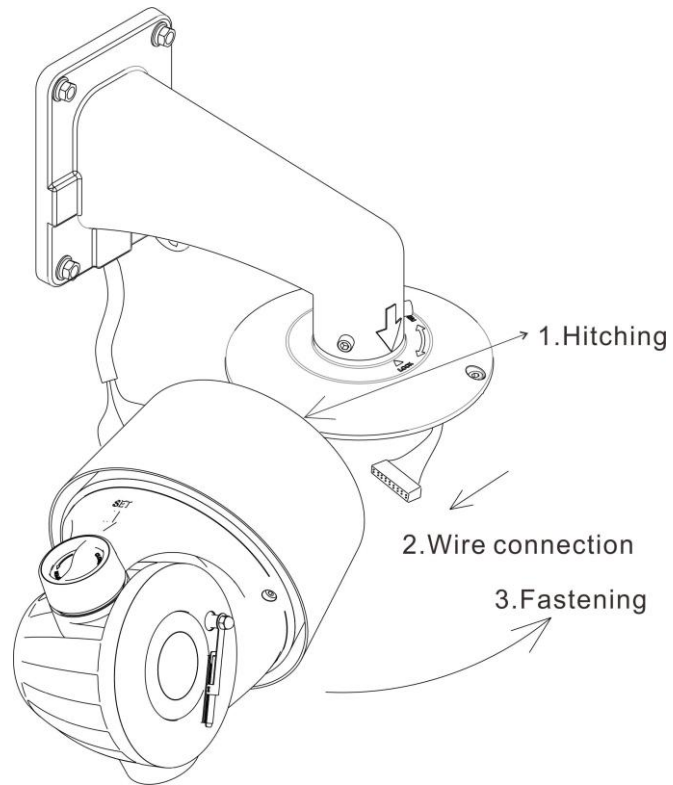
4. Punch on the positioning



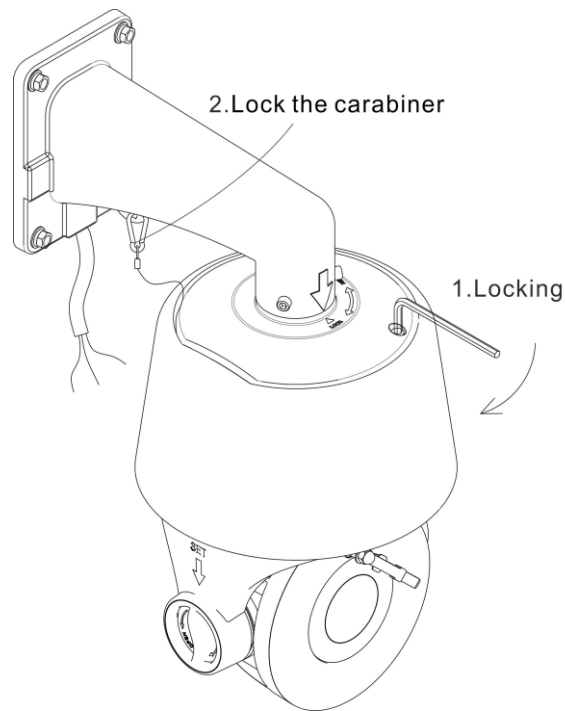
5. Fixed tube expanding screw



6. Connect with speed dome

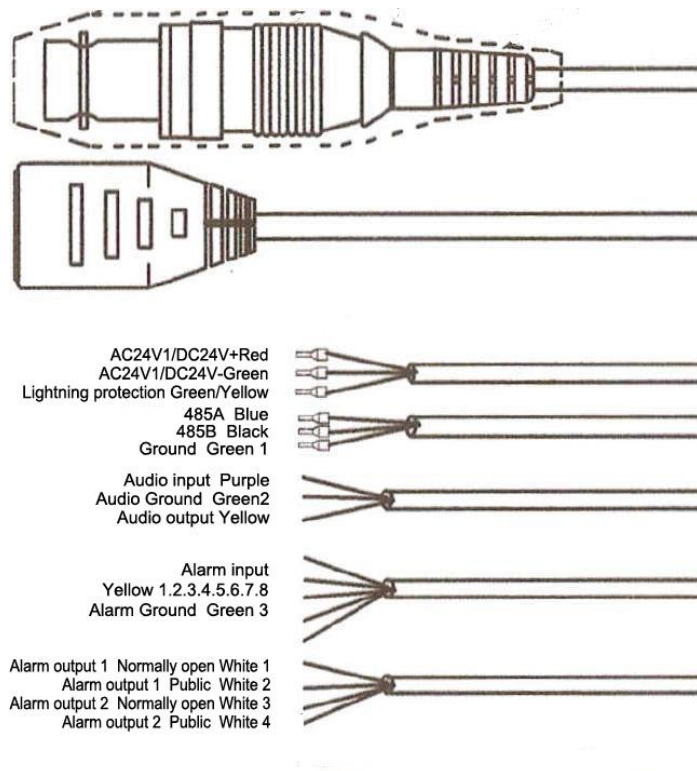


7. Lock the carabiner and screws



4.5 External Cable Connection Instruction

The speed dome adopted 800mm lead wire, including: power, control (Internet), audio input, audio output, video, alarm input, alarm output and RS485 cables, and RS485 is reversed cable. Connection interface and cable colors are as following:



Video Cable: BNC video cable can connect with monitor or other analog video devices;

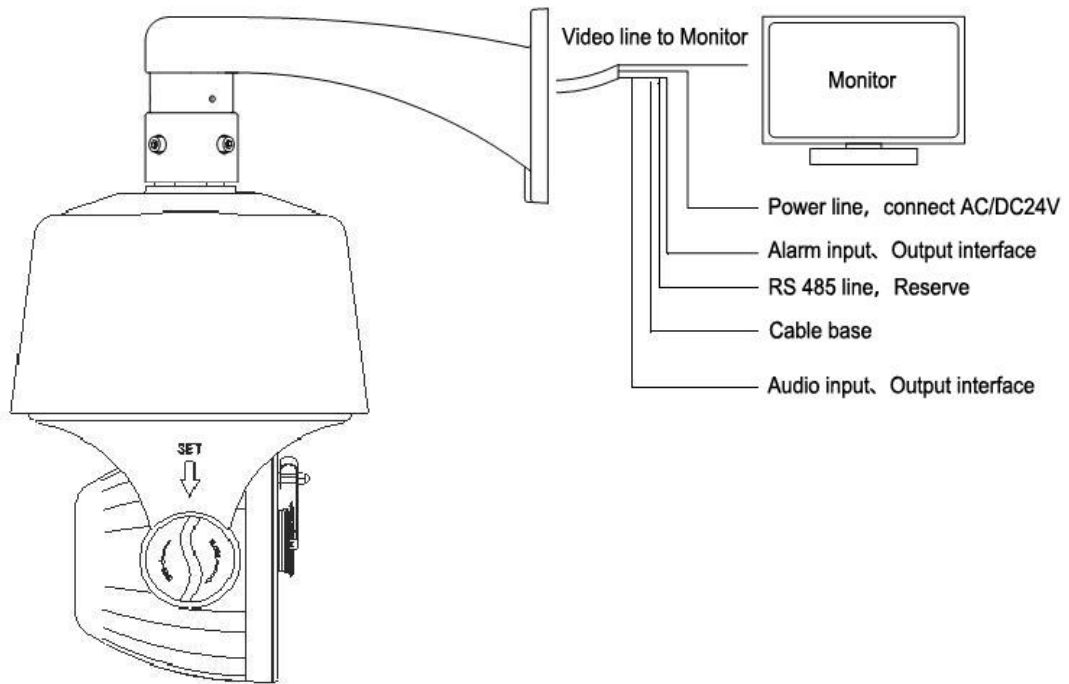
Control Cable: Connect computer or other devices;

Power Cable: AC/DC24V;

RS485: 485AB is reversed cable;

Audio Cable: Audio input and output can connect mic and speaker;

Alarm Cable: Connect external alarm devices;



Note: please refer to labels on the cables

Chapter5 Network Setup

● Operation Requirement

This system is advised to operate in the Windows XP operating system. In order to use and operate the system better, Please make sure below items setup or install correctly after this system installation.

1. Monitor resolution setup to: 1024x768 or more, color setup to Color (32 bit). Please refer to the Windows user manual or online help.

2. Please confirm install the fonts the system need in the operating system. For example the Chinese version system needs to install the Times New Roman font. If the system interface display abnormal, because of it maybe not install the system needed fonts or the fonts are damaged and need to reinstall the fonts.

● IE Setup

If it is the first time to use S3 series network video products, please download the ActiveX control. Before download it needs to setup the IE browser to confirm download successfully. Notice: Please use the IE browser of Windows operating system , confirm the version is above 6.0 Please don't use any third-party browser and any IE browser shell like Maxthon, FireFox, Window of the World, we do not ensure use these software can log on the network video server

【Suggestion 1】 : Use IE6、IE7

1. Open the IE browser, Click "Tools-Internet Options - Security-Internet-Custom Level" (Figure 5.1), and set the items of ActiveX controls and plug-in to "Enable" (Figure 5.2).

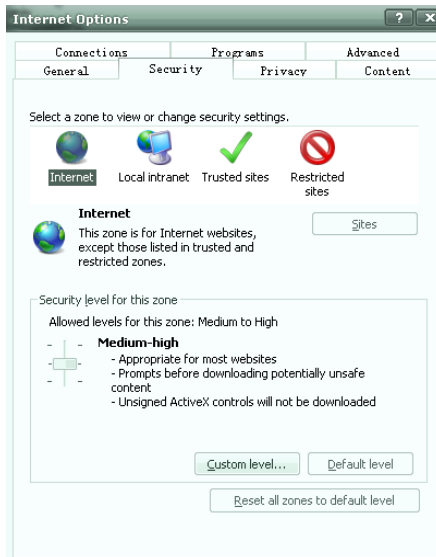


Fig. 5.1

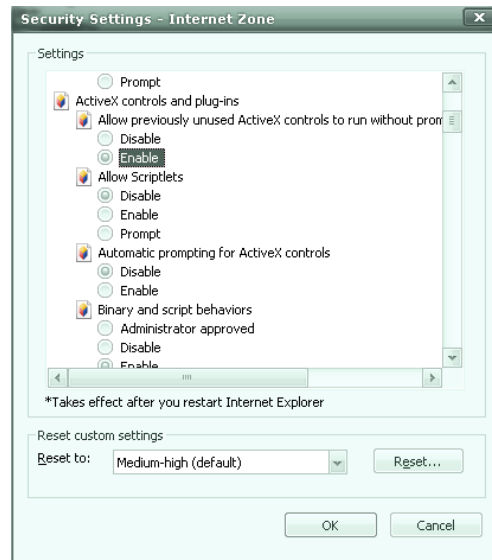


Fig. 5.2

2. “Security-Local Internet-Custom setting”, take relative ActiveX controls and plug-ins setting to “Enable”

3. If you use Windows XP, that would add IP address of Network Video in “trust sites” (as figure 5.3): “trust sites”, input IP address, such as: http://192.168.1.2, and canceling “Require server verification (http:) for all sites in this zone”. Click “Add”, “close”.

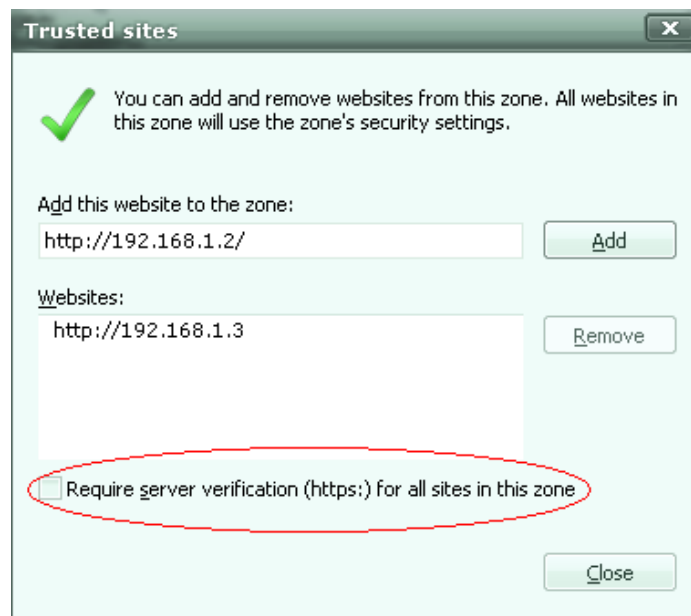


Fig. 5.3

【Notice】 :After finished downloading of ActiveX, returning the security setting to “default level”

【Suggestion 2】 :Use IE8

1.Open IE, Internet Zone- Modify configuration of ActiveX in Security setting, click “Prompt” of unsigned ActiveX as figure 5.4:

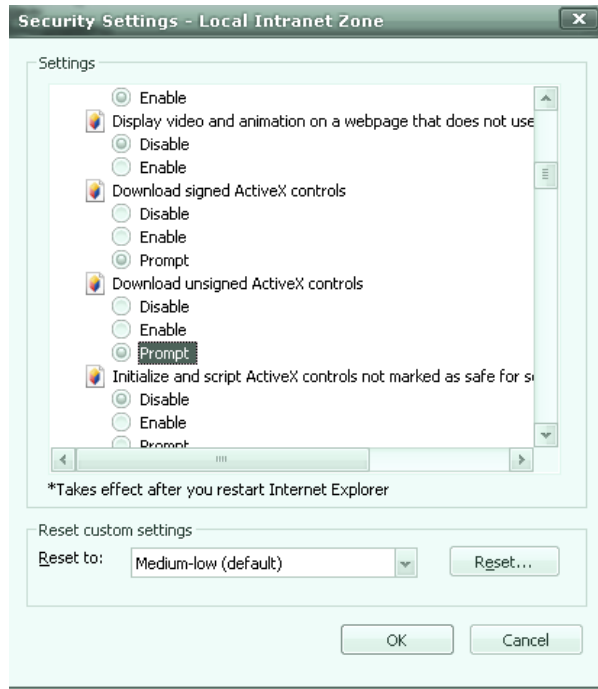


Fig. 5.4

2.Open IE8, and then log on. Please operate the ActiveX when it shows safety warning as figure 5.5.

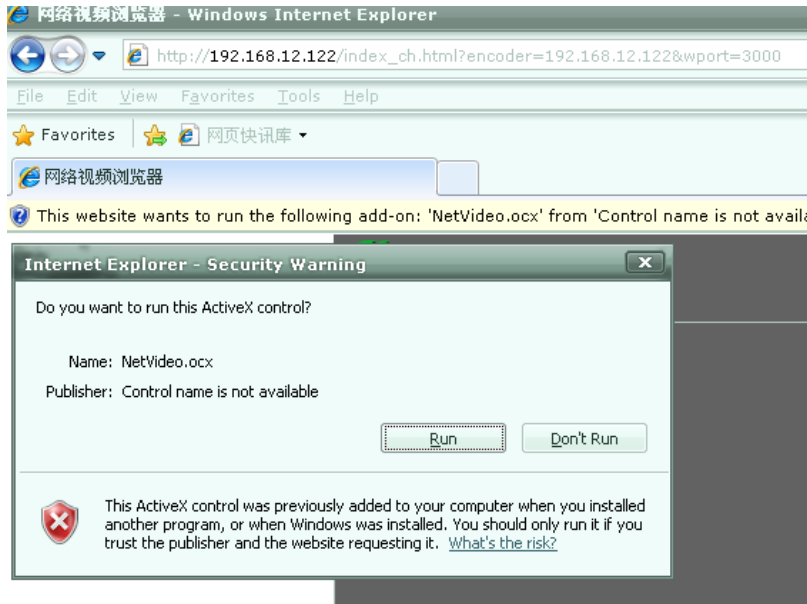


Fig. 5.5

3.Modify permission setting- Enable local directory path when uploading files to a server as figure 5.6.

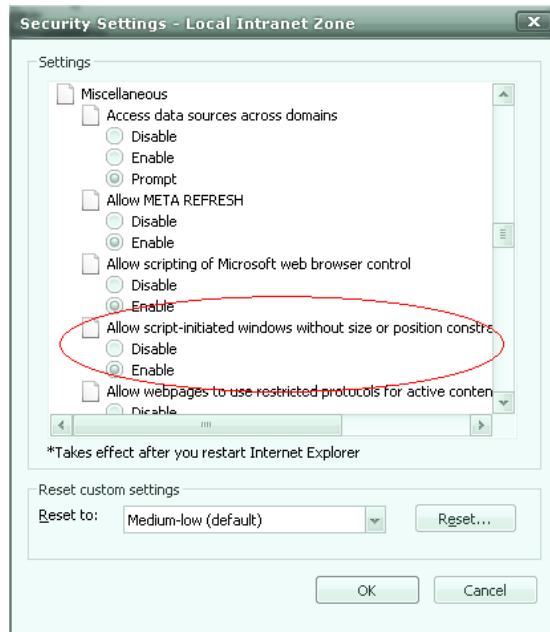


Fig. 5.6

【Notice】:It is suggested that the setting above mentioned should be return to safe level for your IE's safety.

- **System Log-on**

Ensure the PC and network video equipment's IP address in the same network segment: etc. PC is 192.168.1.1, and network video equipment is 192.168.1.2. Open IE, inputting the IP address in address bar. Then click "go to", it'll show up as figure 5.7 meantime. If it has prompt about download the ActiveX with YES or NO, please check "YES". After finished the downing in few minutes, the figure 5.7 will show up

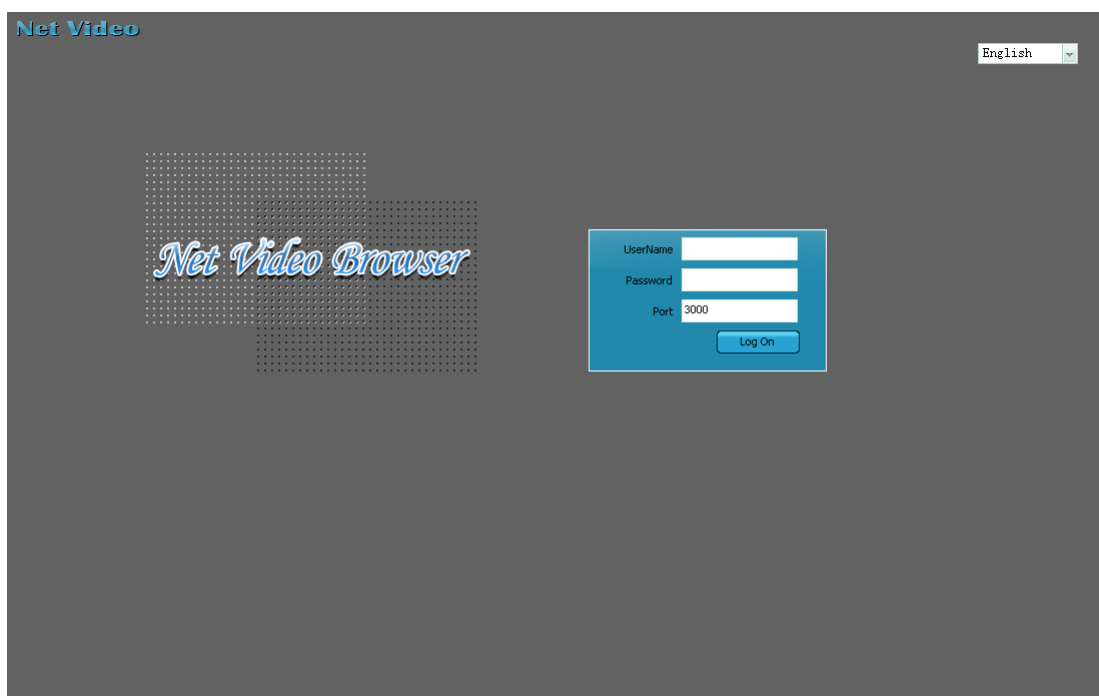


Fig. 5.7

Input the User Name and password in the logon window on the right: **Admin/1111** (correct case). It'll link the picture after clicking "logon". (As figure 5.8)

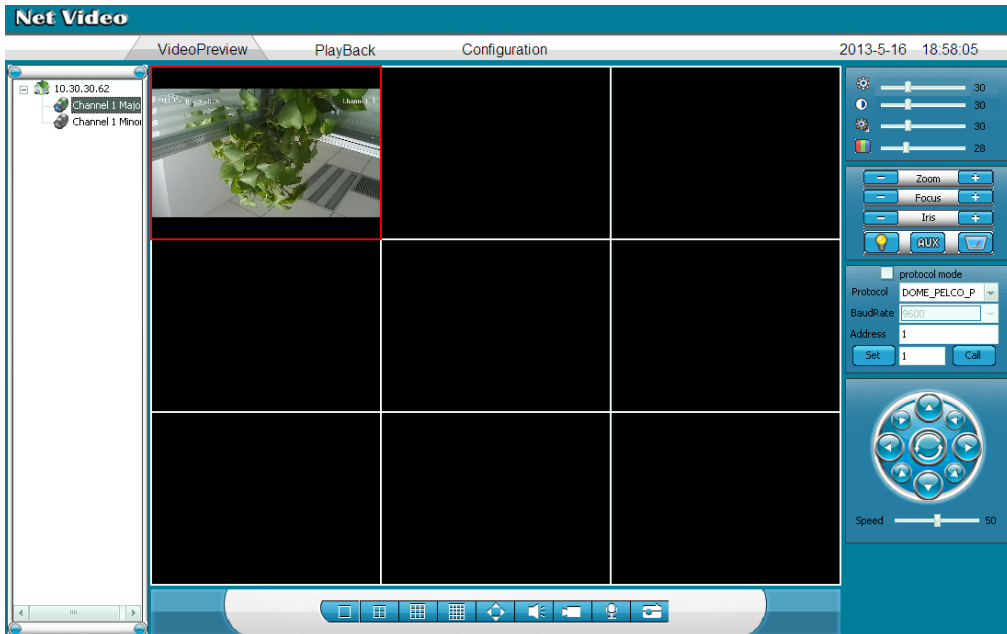


Fig. 5.8

【Notice】 : If video cannot display correctly, it is suggested to install ActiveX as < IE Setting> for one more time.

● Device Control

It is used to control PTZ and lens, ex. PTZ direction, focus, zoom and contact closure such as light, power and rain brush output as figure5.9

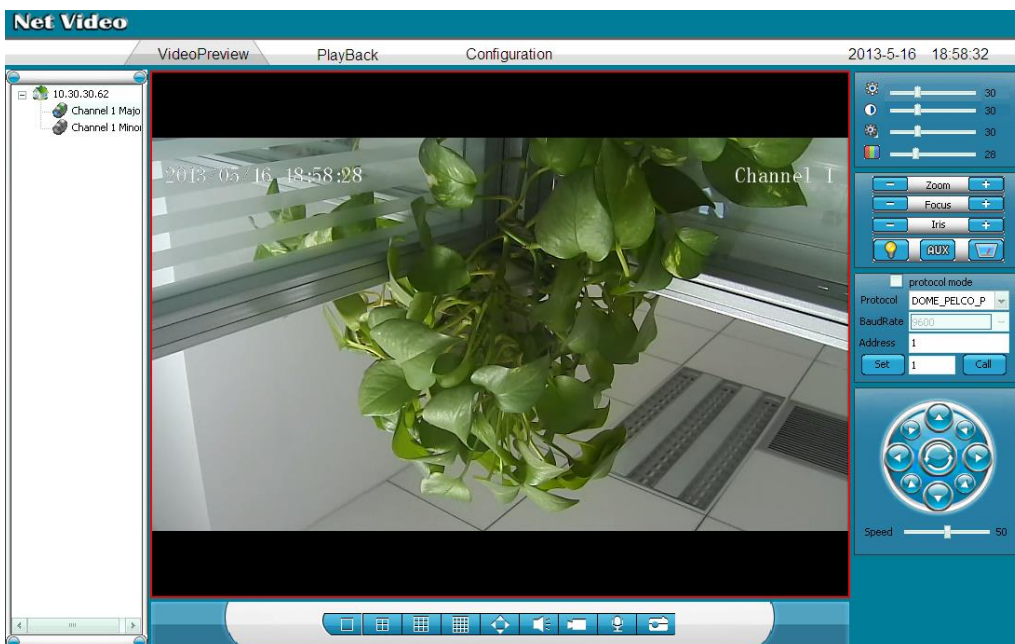


Fig. 5.9

Choose different protocol type and set device address to control different devices.

Protocol (Fig 5.10) :

[Protocol]: Contains the following Protocols: PTZ_PELCO_D, PTZ_PELCO_P, PTZ_TC615_P, DOME_PELCO_D DOME_PELCO_P.

[Protocol state]: Automatic identification.

[Address]: You can manually enter the address of the front-end fixed point device, the effective address range: 1 to 255.

[Baud rate]: requires the user to enter the "configuration parameters "----" PTZ Settings" interface to set up.

[Set]: Set the preset position; Enter the preset number in the blank column, click "Set" button, the camera's current state of a preset called preset "1"; accordingly you can add multiple preset positions.

[Call]: call the preset position; Enter the preset number in the blank column, click "Call" to call the preset position, the camera will automatically rotate to the preset position.

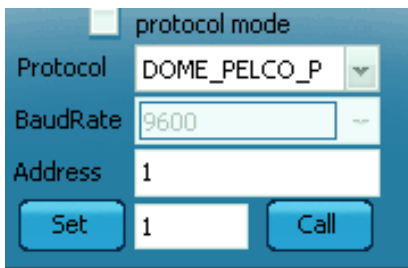


Fig 5.10



Fig 5.11

The lens Control and subsidiary control switch (Figure 5.11):

[Zoom]: Control the camera lens zoom, optical zoom and electronic zoom.

[Focus]: camera electronic focusing, use Auto Focus ineffective.

[Iris]: manually control iris switch.

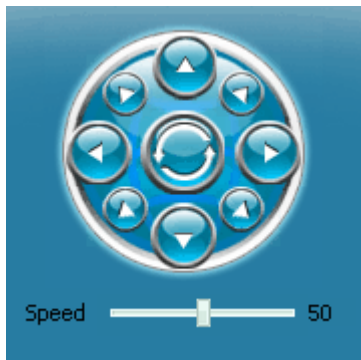


Fig 5.12

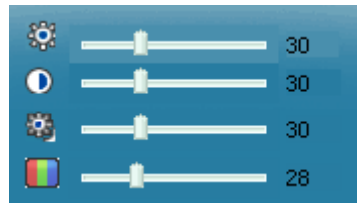


Fig 5.13

PTZ control (Figure 5.12):

[SPEED]: manually adjust the rotation speed of the PTZ, adjustable from 0 to 100.
 Eight-way control button, control PTZ movement in eight directions, the middle button in the eight-way control button is automatically scan button, click this button, the PTZ will rotate & auto scan; click the button again, it will stop turning.

Video Parameters: (Figure 5.13):

[Brightness] [Contrast] [Saturation] [Tint]: adjustable from 0 to 100

- Common parameter settings

Click [General setting] to enter the General setting interface, as shown in Figure 5.14

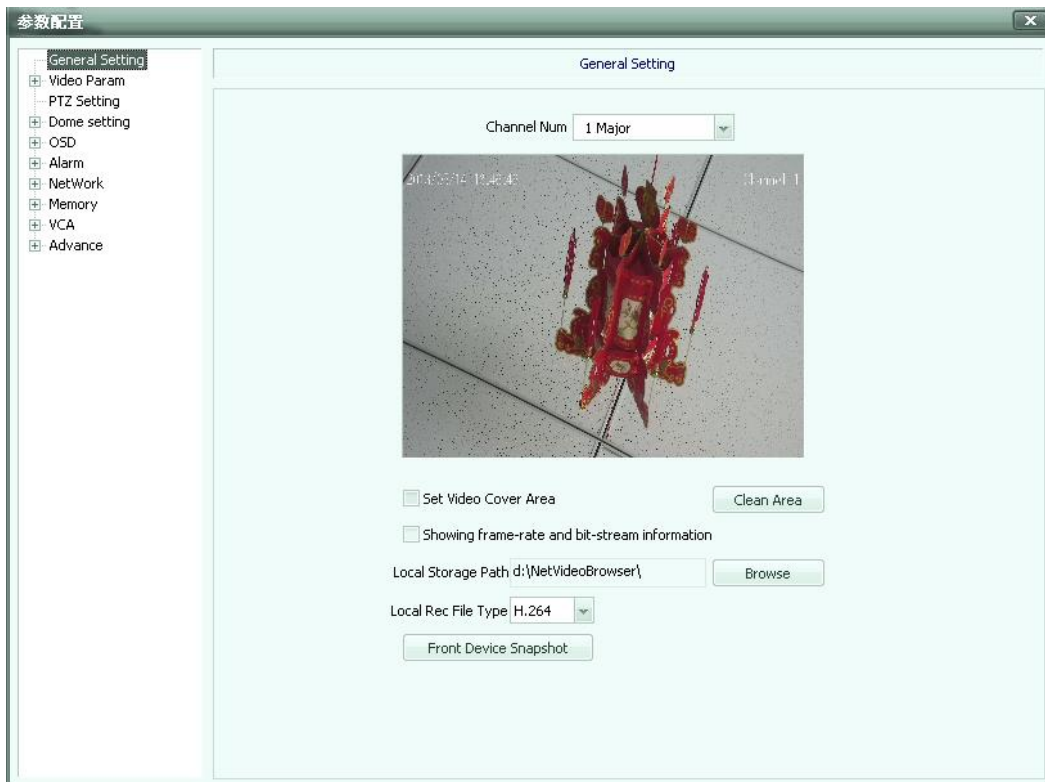


Fig 5.14

Common settings

[Channel Num]: the channel selection of the multi-channel network video equipment, such as: 4-channel network video server has 4 channels.

[Set video cover area]: Check to set the video occluded region, including with the mouse to take effect after the area you want to block as shown in Figure 5.15 Figure black area in the upper-right corner of the block part of the picture, click on the Clear area back to normal as shown in Fig 5.16.



Fig 5.15



Fig 5.16

Showing frame-rate and bit-stream information: select this option will display in the upper left corner of the interface, line of peach red font of frame rate and stream information in Figure 5.17

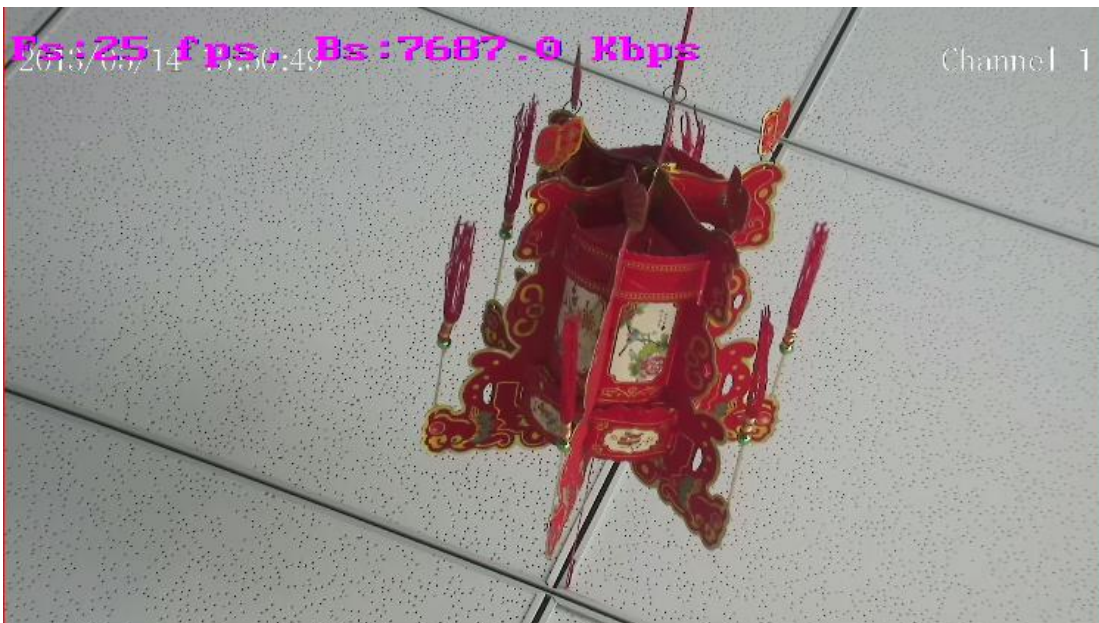


Fig 5.17

[Local storage path]: Click Browse, choose its path to be stored

[Local video format]: Contains two kinds of local video format: H.264 and AVI

Video Param (Figure 5.18)

General Setting
Video Param
Video Param
Audio Param
Video Encryption
PTZ Setting
Dome setting
OSD
Alarm
NetWork
Memory
VCA
Advance

Video Param

Channel Num 1 Major

Video Quality Better

Frame Rate 25

Stream Type Audio Video

Prefer Mode Frame Rate

Rate 8192 Set

Resolution 1080P(1920x1080) Set

N/P Mode PAL Set

IFrame Rate 100 Set

Encode Mode VBR

Video Encoder H.264

Play Impression Low Delay

Extended code baseline

Fig 5.18

[Video Quality: You can choose the video quality grade: best, better, good, average, poor.

Frame Rate: PAL standard, 1, 5, 10, 15, 25 frame rate are optional.

Stream types: type "pure video" or "audio video" can be selected.

Prefer Mode: "frame rate" and "quality" can be selected

[Rate]: the bitrate size can be adjusted from 32 to 8192Kbps.

Resolution: 4CIF, VGA, 720P, 960P, 1080p, etc. resolution Selectable (different models compatible with the maximum resolution are different, supports up to 1080P).

N/P MODE: Optional PAL and NTSC system.

[I-frame rate: adjust the I-frame rate.

Encode Mode: optional VBR, CBR system

[Video encoder: optional H.264, Motion JPEG.

Play Impression: low delay, high fluency

Extended mode: Baseline, main profile, high profile optional.

Audio parameters (Figure 5.19)

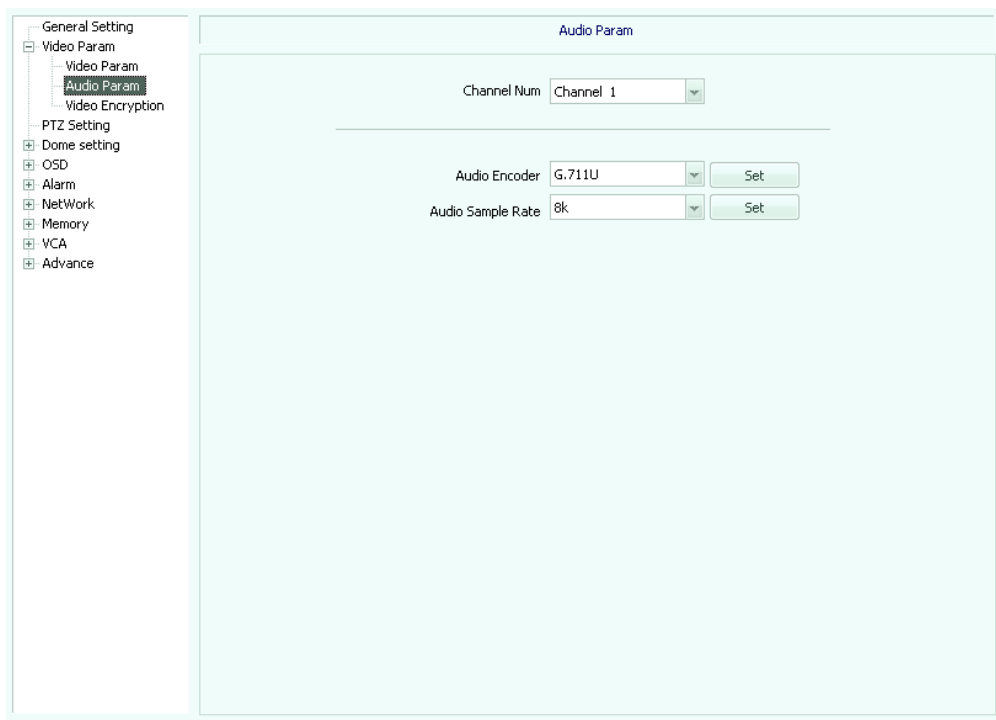


Fig 5.19

Audio encoder: ADPCM_DIV4, G711_A G711_U

Audio Sample Rate: 8K, 32K, 48K

Video encryption (Figure 5.20)

[Encryption Type]: Contains None and AES,

[Encryption password]: password required

[Password Confirm]: same as above

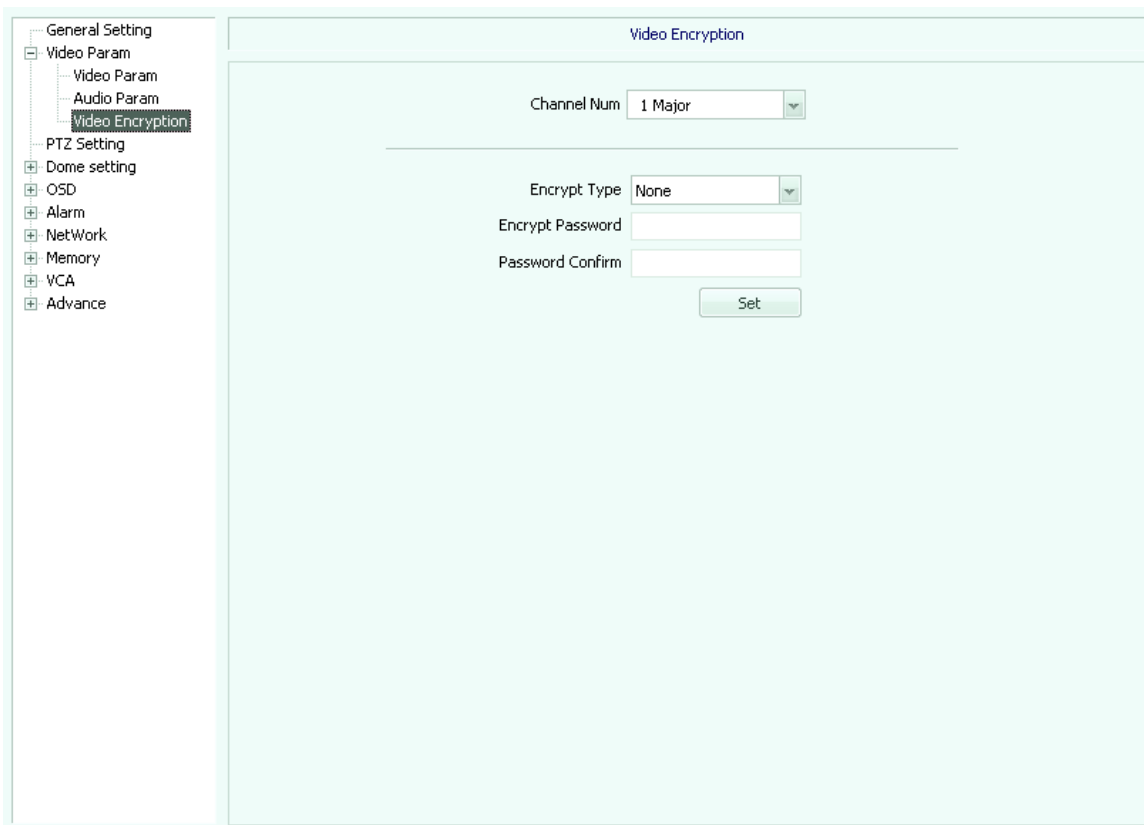


Fig 5.20

PTZ Setting (Figure 5.21)

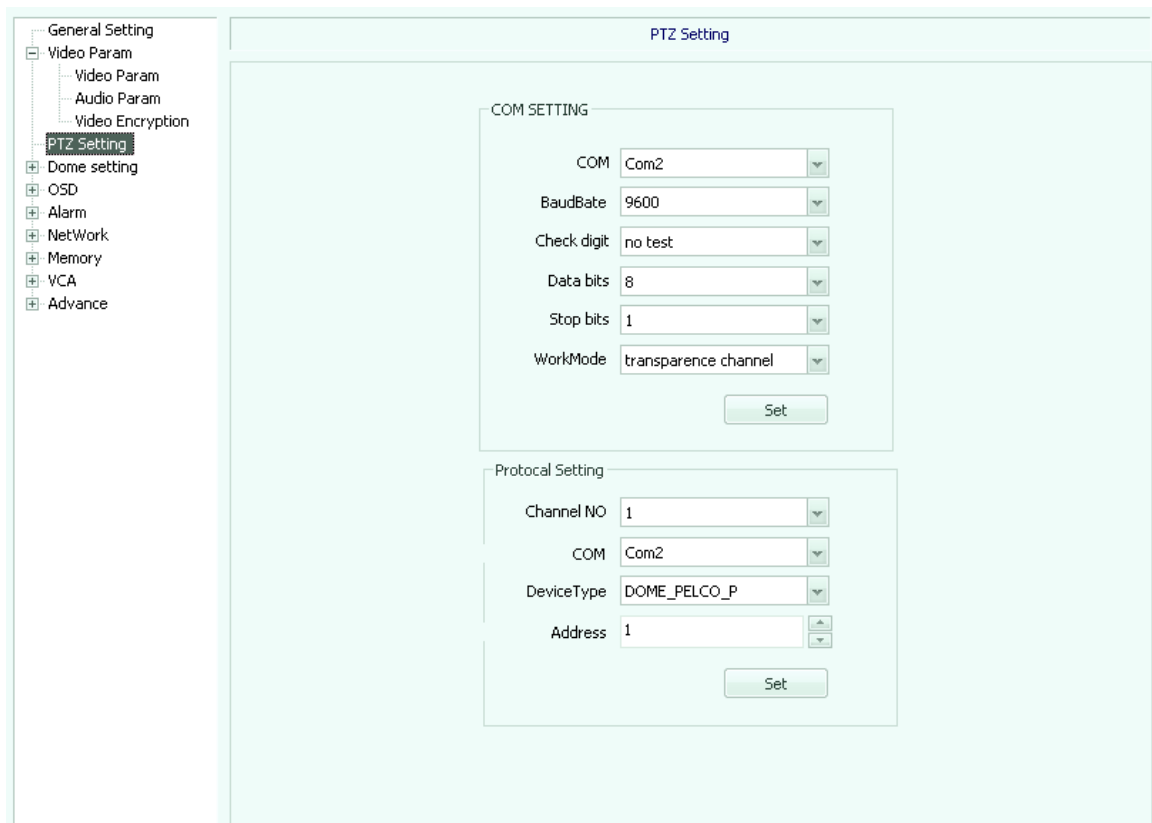


Fig 5.21

[COM]: Use the serial number selection

Baudrate: 300, 2400, 4800, 9600, 19200, 38400, 115200 common baud rate optional

Check digit: no test, odd test, even test optional.

Data bits: 7, 8 optional

Stop bits: 1, 2 optional.

Work mode: protocol mode, transparent channel optional

【Channel number: Select the channel number

[COM]: Select the serial number

Device type: PTZ_PELCO_D, PTZ_PELCO_P, PTZ_TC615_P, DOME_PELCO_D, DOME_PELCO_P optional

Address: selectable from 0 to 255.

Dome setting (Figure 5.22)

The screenshot shows a software configuration window for 'Title setting'. On the left is a sidebar with a tree view of settings categories: General Setting, Video Param, PTZ Setting, Dome setting (expanded), OSD, Alarm, NetWork, Memory, VCA, and Advance. The 'Dome setting' category is expanded, and 'Title setting' is selected. The main window area is titled 'Title setting' and contains the following fields:

- Channel Num: Channel 1 (dropdown menu)
- Title type: Preset (dropdown menu)
- Title NO: 1 (dropdown menu)
- Title name: (text input field)

A 'Set' button is located below the 'Title name' field.

Fig 5.22

[Channel number]: Select an available channel.

Title Type: preset, scan, cruise, pattern path, regional instructions selectable

Title NO: select the title number, range 1-32

[Title Name]: enter the title name

OSD (Figure 5.23)

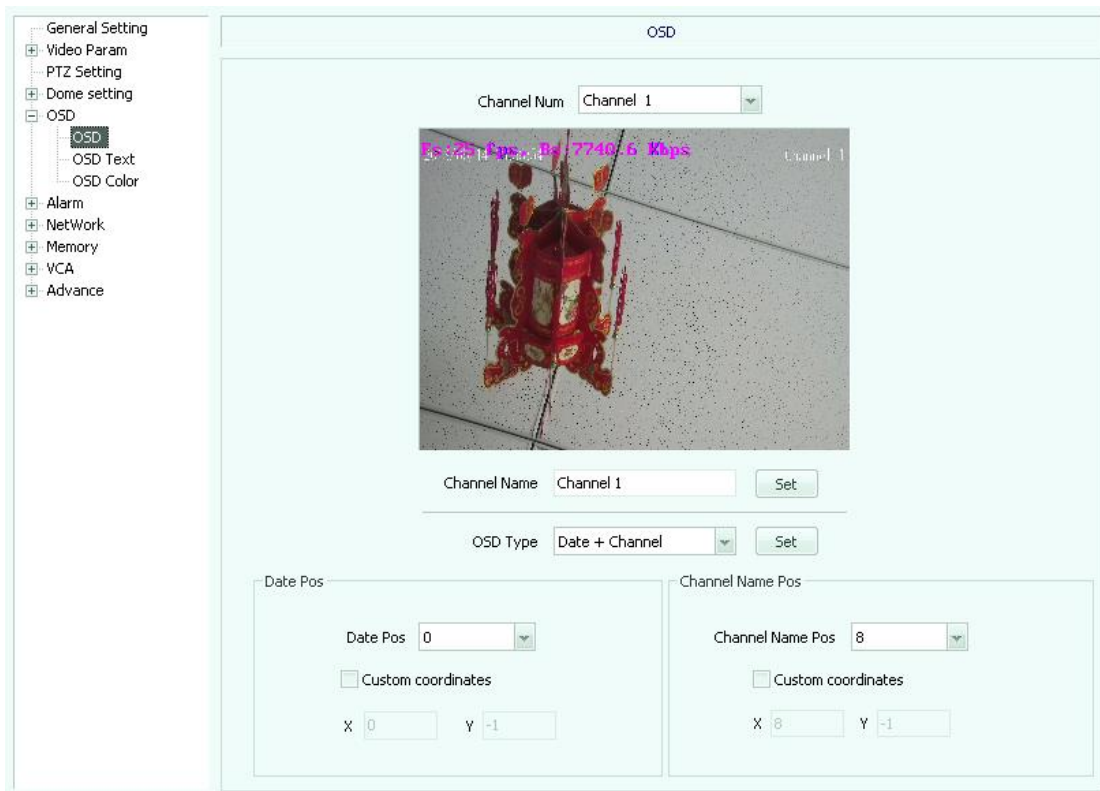


Fig 5.23

Channel name: superimposed channel name can be set in English and Chinese, can be set up to 32 English characters or 16 Chinese characters set up; does not support null character.

Superimposing type: you can choose not superimposed, date, time, channel name, date, time + channel name.

[Position]: 0 to 15 of 16 locations to choose from.

Channel name position: 0 to 15 of 16 locations to choose from.

[Custom coordinate]: click in video form.

Additional characters superimposed (Figure 5.24)

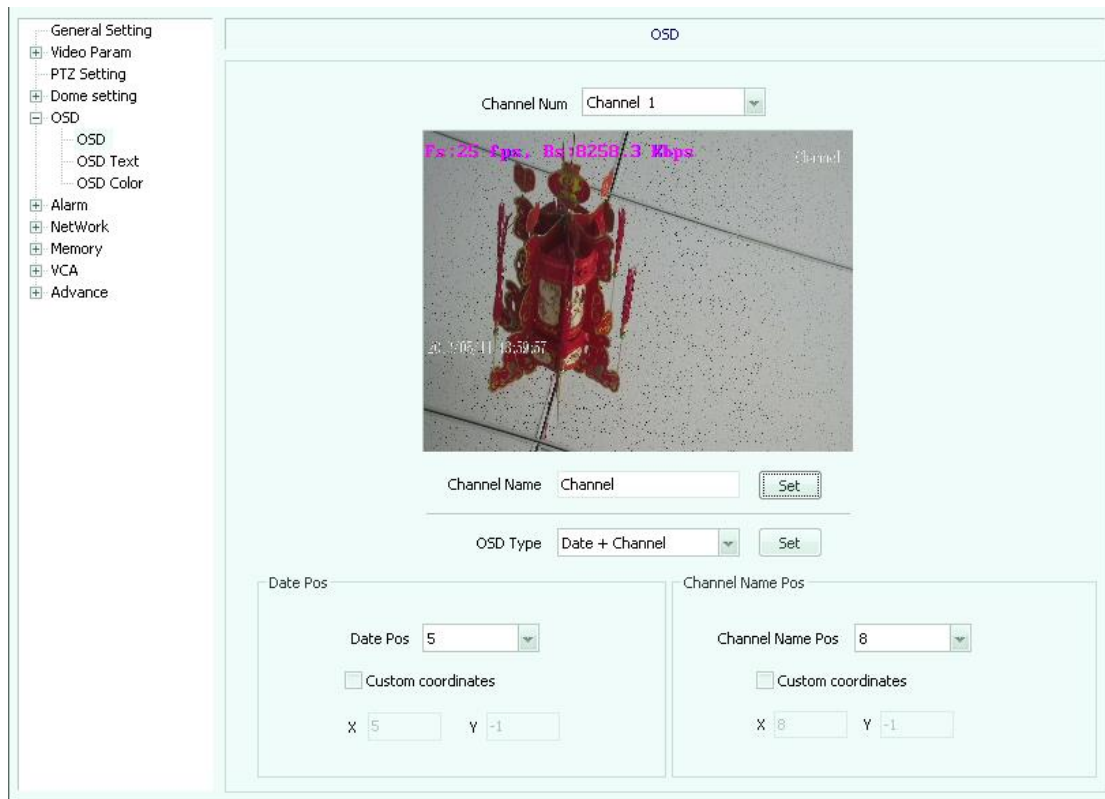


Fig 5.24

Input additional characters need to superimpose in the box, by tick-defined coordinate, you can self-define the position of the additional characters.

OSD color (Figure 5.25)

OSD type: channel name, date, additional character overlay.

OSD color: white, black, red, green, and blue.

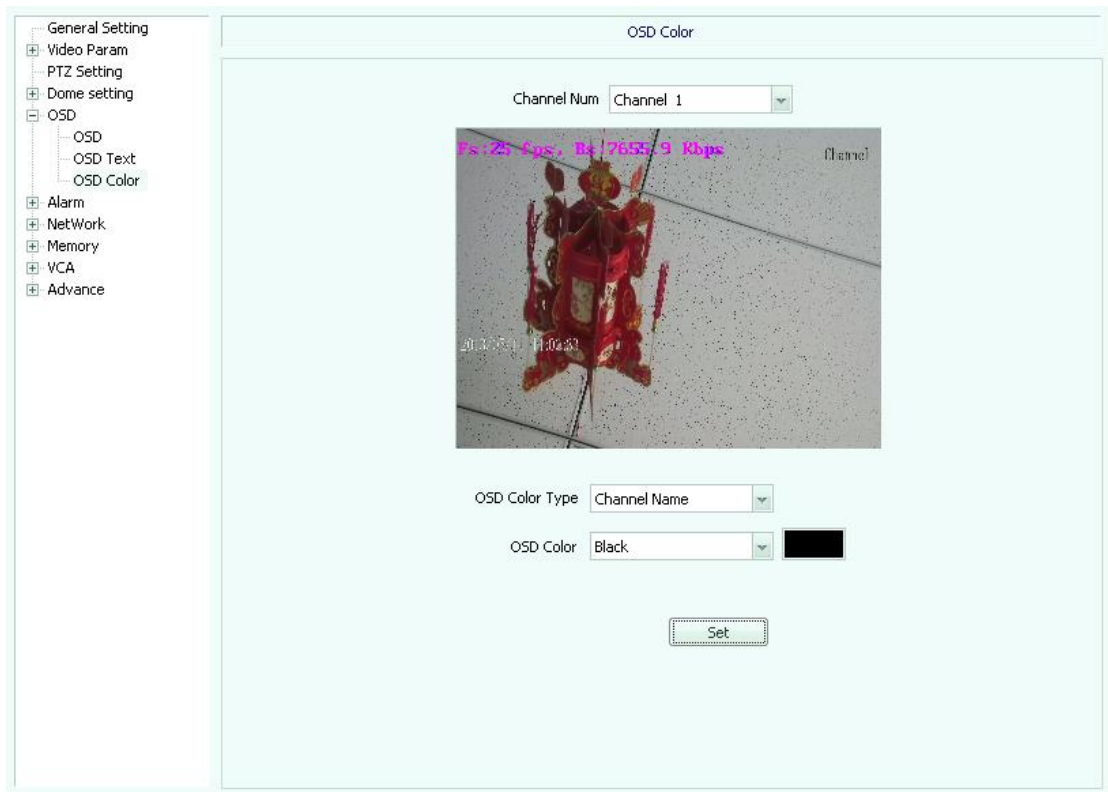


Fig 5.25

Alarm settings

The motion alarm (Figure 5.26), check the "enable" box.

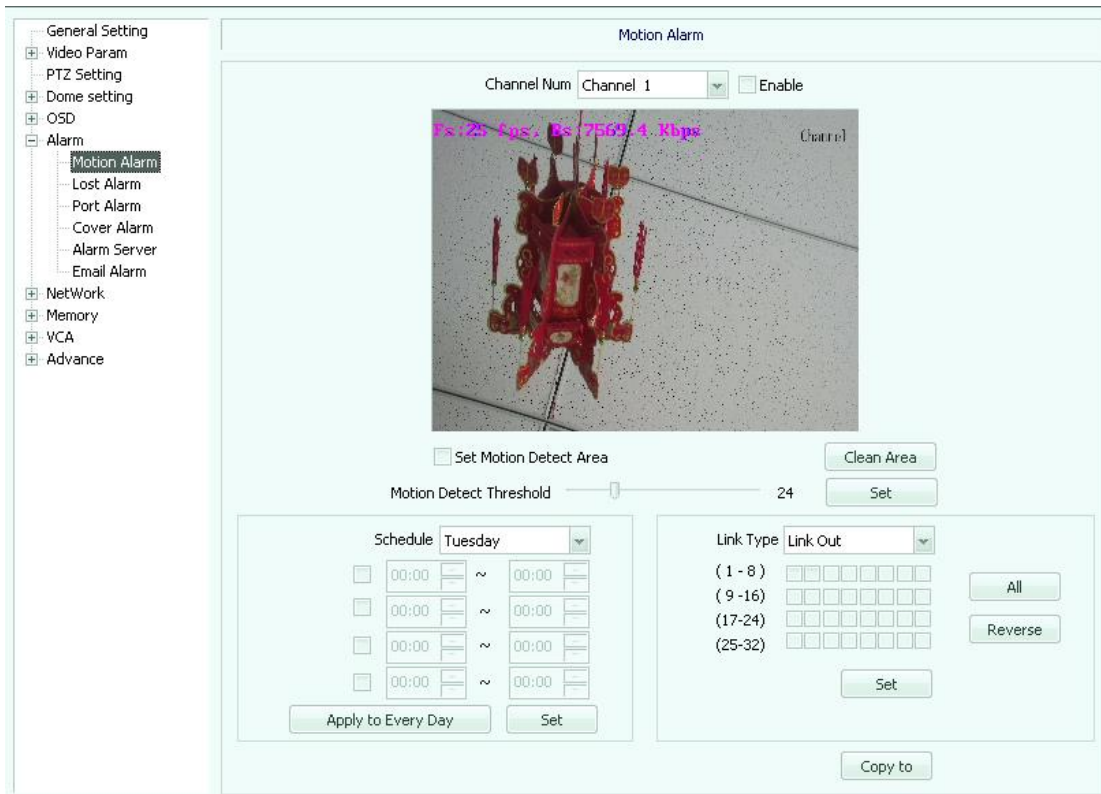


Fig 5.26

[Channel Num]: select an existing alarm channel number in the view of the area, you can use the mouse to select the motion alarm area, otherwise defaulted full-screen; you can also drag the scroll bar to set up the sensitivity.

Arming: You can select Monday, Tuesday ... Sunday, and check the check box to set up the arming period.

[Link type]: optional linkage output, check the checkbox below, you can choose the alarm output channel.

Loss alarm (Figure 5.27), check the "enable" box.

General Setting
Video Param
PTZ Setting
Dome setting
OSD
Alarm
Motion Alarm
Lost Alarm
Port Alarm
Cover Alarm
Alarm Server
Email Alarm
NetWork
Memory
VCA
Advance

Lost Alarm

Channel Num Channel 1 Enable

Schedule Tuesday

00:00 ~ 00:00
 00:00 ~ 00:00
 00:00 ~ 00:00
 00:00 ~ 00:00

Apply to Every Day Set

Link Type Link PTZ
Link Channel Channel 1
Link PTZ Type No Link
Number

Set

Copy to

Fig 5.27

【Channel Num】 : Select the alarm channel number.

Arming: You can select Monday, Tuesday ... Sunday, and check the check box to set up the arming period.

【Link type】 Optional link to PTZ.

[Link channel]: select an existing linkage alarm channel.

[Link PTZ Type]: optional no link, preset position, pattern tour etc.

[Number]: If you set the linkage PTZ preset, cruise path etc. set up the corresponding

number.

Port alarm (Figure 5.28), check the "enable" box.

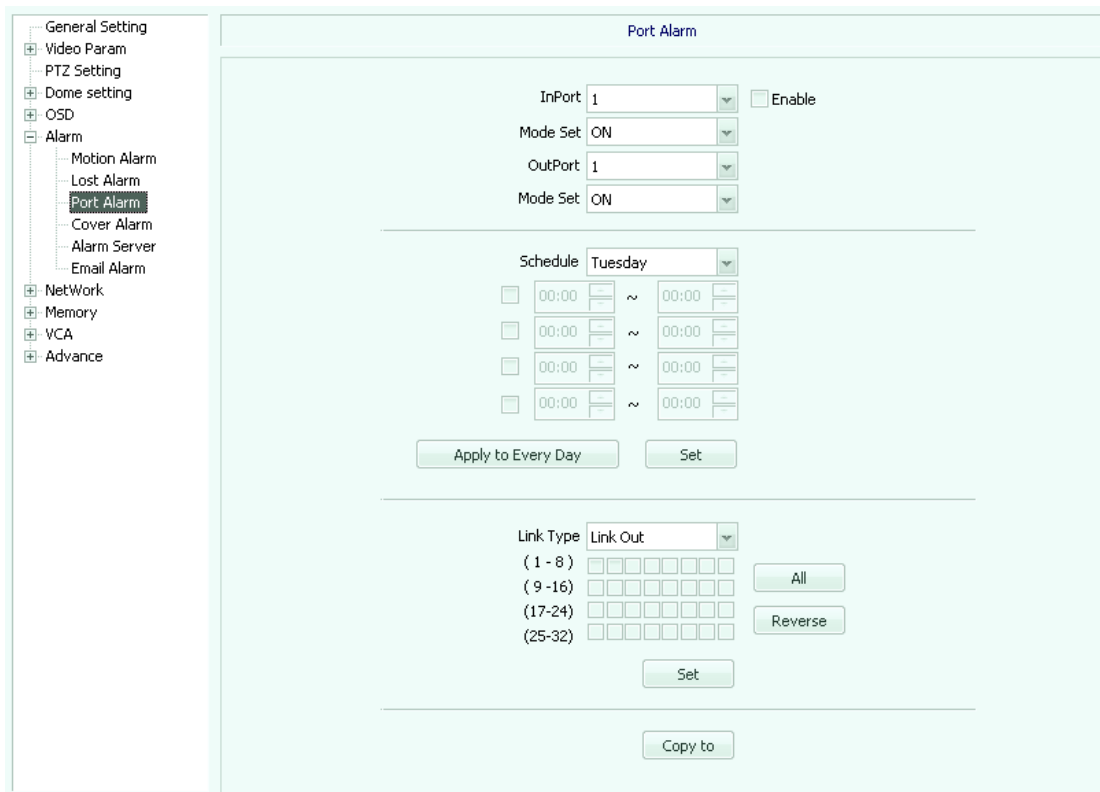


Fig 5.28

In port: Select the alarm input port number.

Mode set: optional closed-circuit alarm, open circuit alarm.

Out port: Select the alarm output port number.

Mode set: optional closed-circuit alarm, open circuit alarm.

Arming: You can select Monday, Tuesday ... Sunday, and check the check box to set up the arming period.

[Link type]: optional link out, check the checkbox below, you can choose the alarm output channel.

Cover alarm (Figure 5.29), check the "enable" box.

【Channel number】 : Select the alarm channel number.

Arming: You can select Monday, Tuesday ... Sunday, and check the check box to set up the arming period..

Link type】 Optional link to PTZ.

[Link channel]: select an existing linkage alarm channel.

[Link PTZ Type]: optional no link, preset position, pattern tour etc.

[Number]: If you set the linkage PTZ preset, cruise path etc. set up the corresponding number

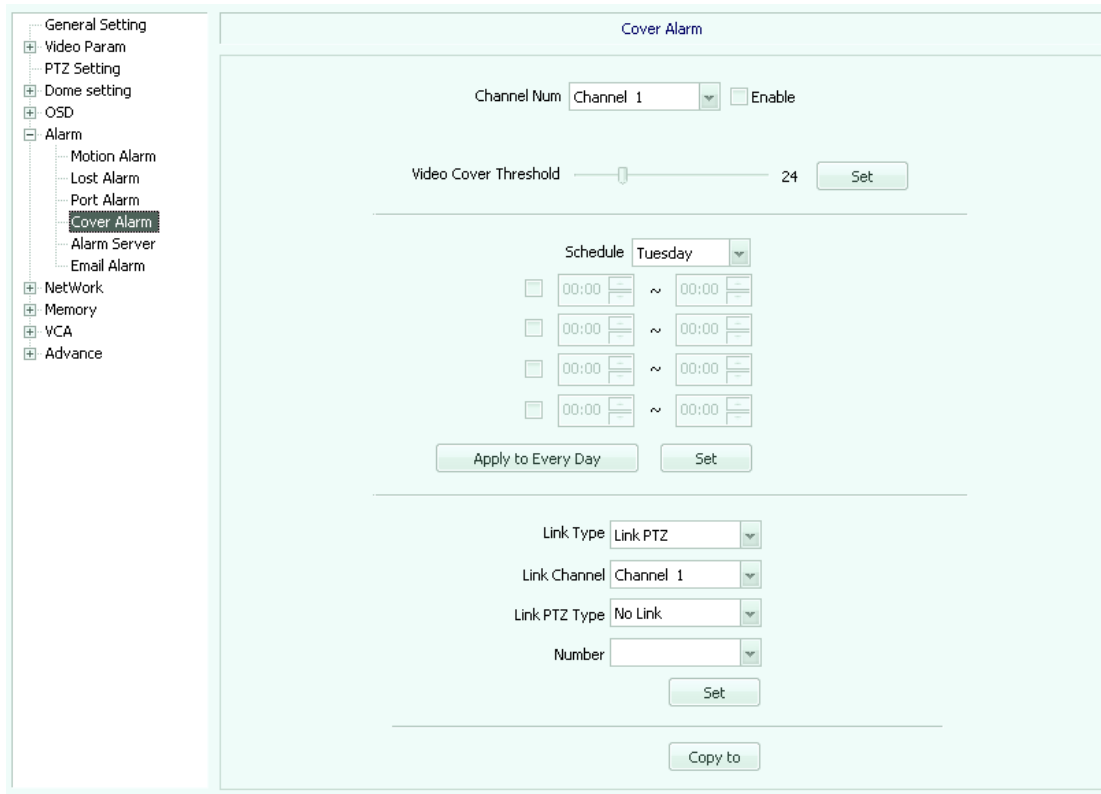


Fig 5.29

Alarm Server (Figure 5.30)

[Alarm server]: set up the alarm server address

[Port]: Set up the alarm server port number

[COM server]: set the serial port server address

[Port]: set the serial port server port number

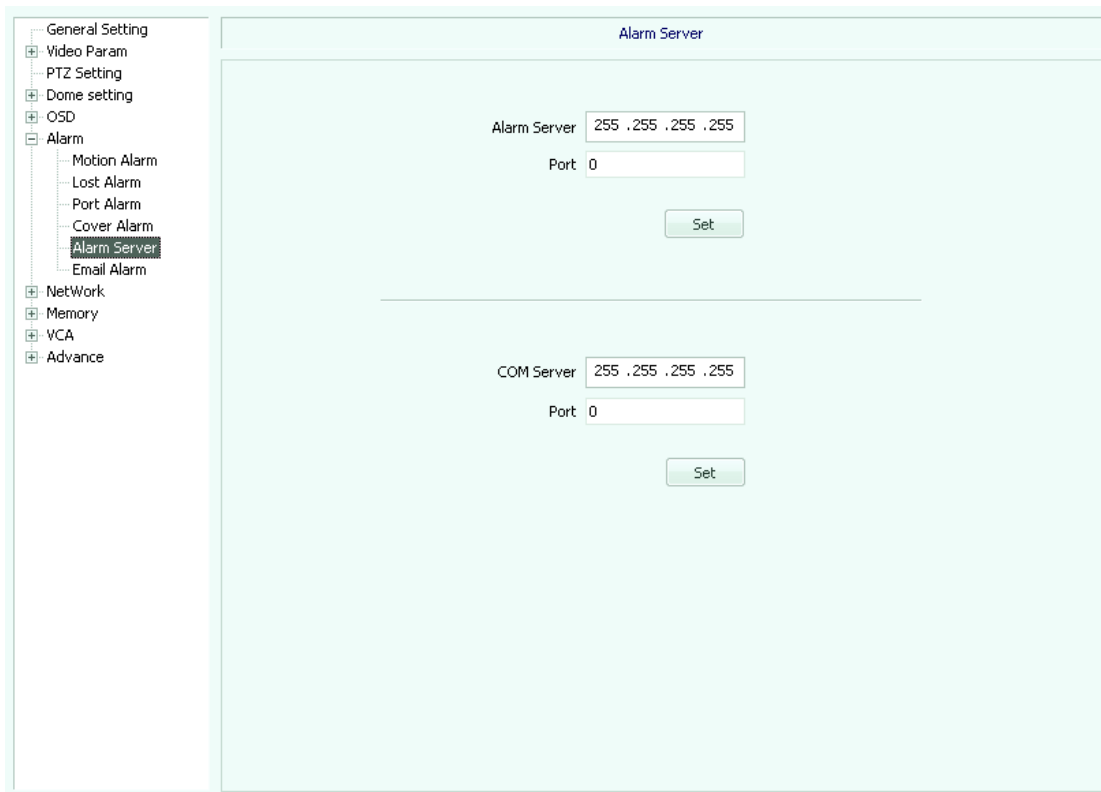


Fig 5.30

Email Alarm (Figure 5.31), check the "Email Alarm Enable" box.

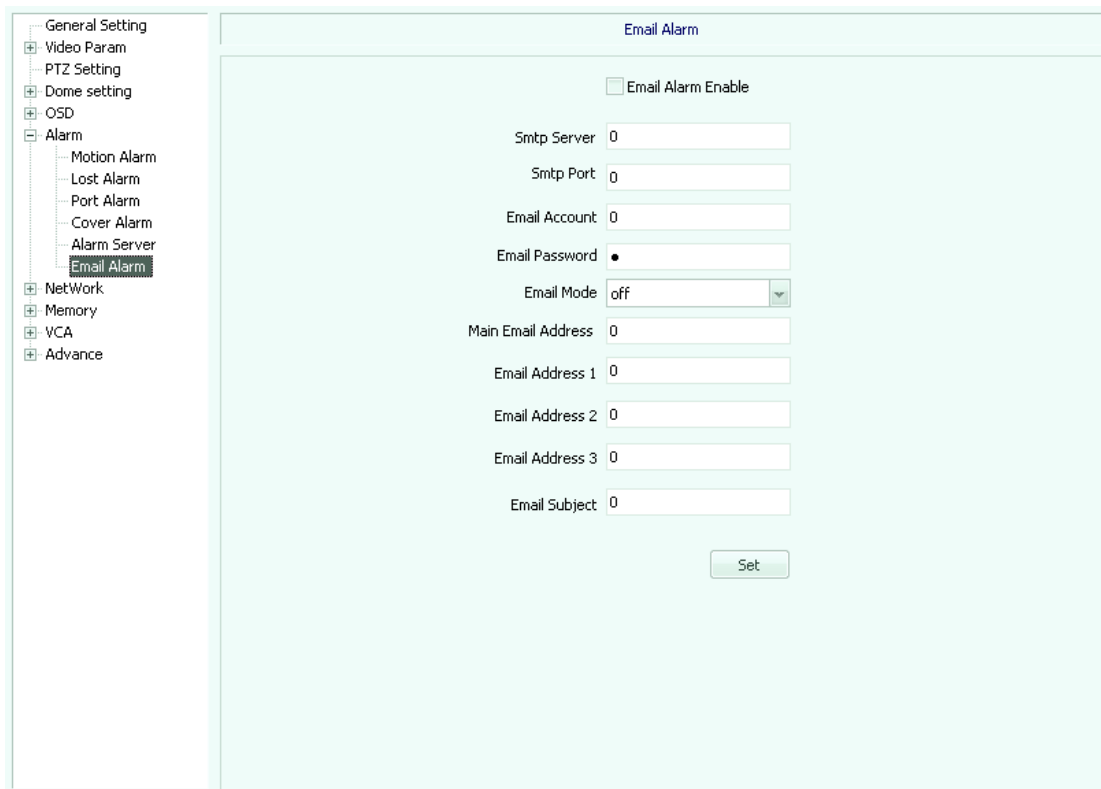


Fig 5.31

[SMTP server]: Set the e-mail address of the SMTP server.

[SMTP port]: Set the mail SMTP server port number.

Email account: Set up e-mail login user name.

[Email password: set up the email login password.

Email mode: set up a email SMTP server login mode, optional off, plain, cram-md5, digest-md5, gssapi, external, login, ntlm.

[Main e-mail Address]: set up the primary address to send, also can be set up the rest of the three email addresses.

[The mail subject]: Set the theme sent.

Network parameters

Wire setting (Figure 5.32)

If you want to automatically obtain IP, check “obtain an IP address automatically”, manually enter IP set according to the actual situation.

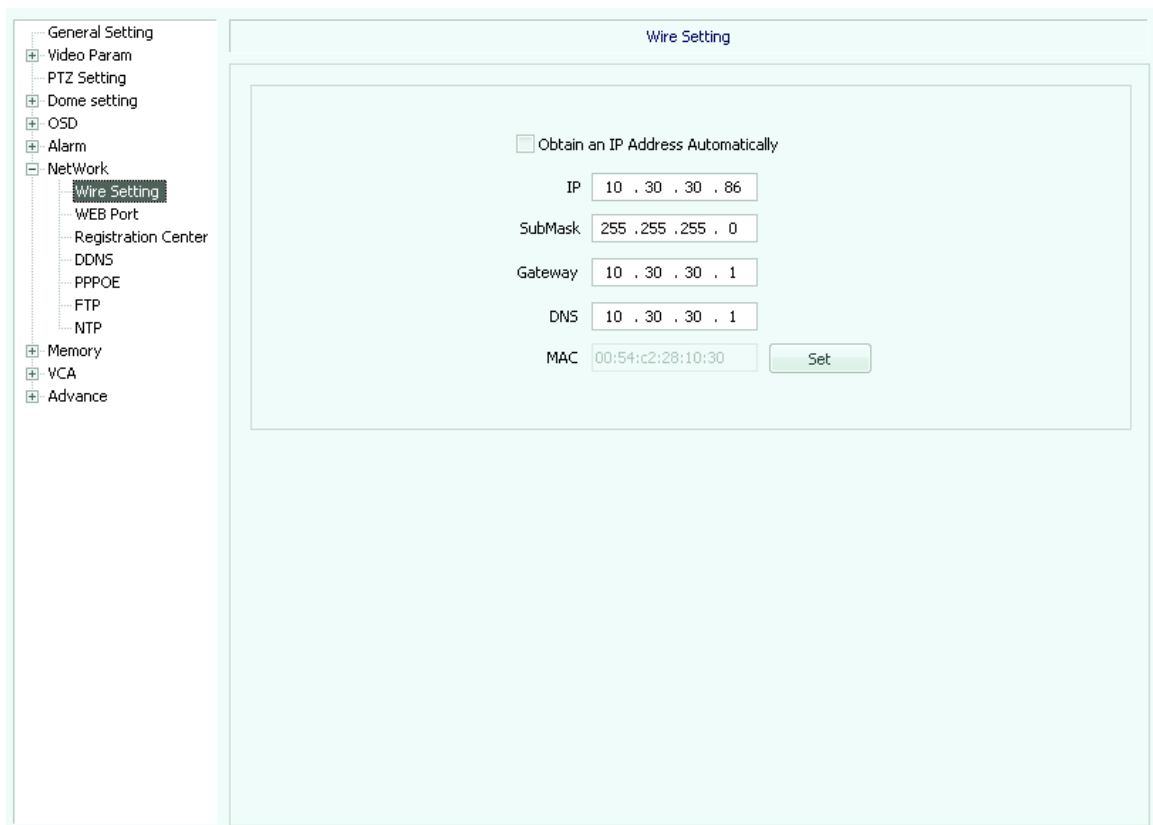


Fig 5.32

WEB PORT (Figure 5.33)

Set up WEB PORT, see Figure 5.33

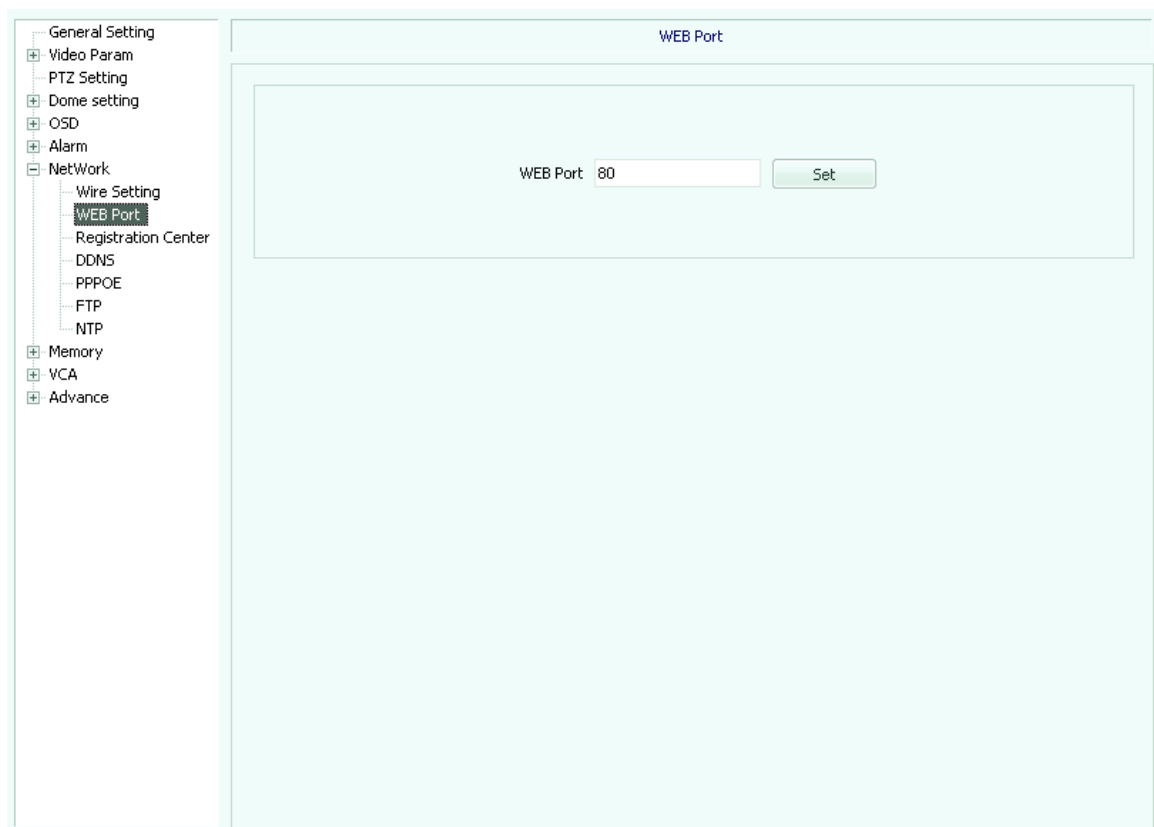


Fig 5.33

Registration Center (Figure 5.34)

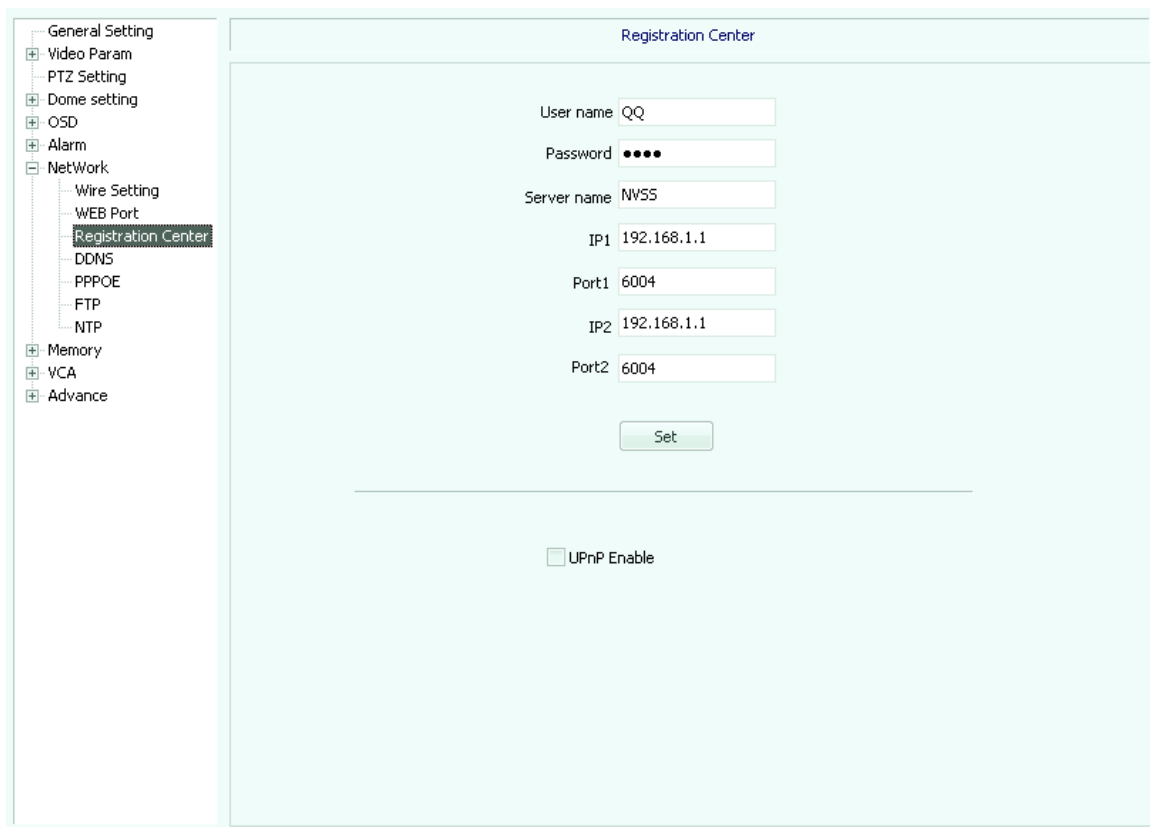
User name / password: the default value is QQ / QQQQ.

[Server name]: The default value is NVSS-80, fill in the domain name registered on the DNS server.

[IP1]: domain name server IP address.

Port: fill in the default value 6004.

[UPnP]: Select "UPnP enable", it will support UPnP port mapping and router supports UPnP function to establish the mapping between IP and port.



Fig

5.34

DDNS (5.35), check the "DDNS Enable" box.

How to use:

Login www.3322.org, register users. And add XXX.3322.org, where XXX is the name of the user-defined, mapped server used to bind the need.

Enable the network video server dynamic domain name resolution, fill out the option as below:

[Server domain]: fill in the domain name registration in www.3322.org XXX.3322.org.

[DNS domain] Select www.3322.org server.

[Port]: Server Web port.

Username / Password: to fill registered user name and password. in www.3322.org. After all fill confirmed, click "Set".

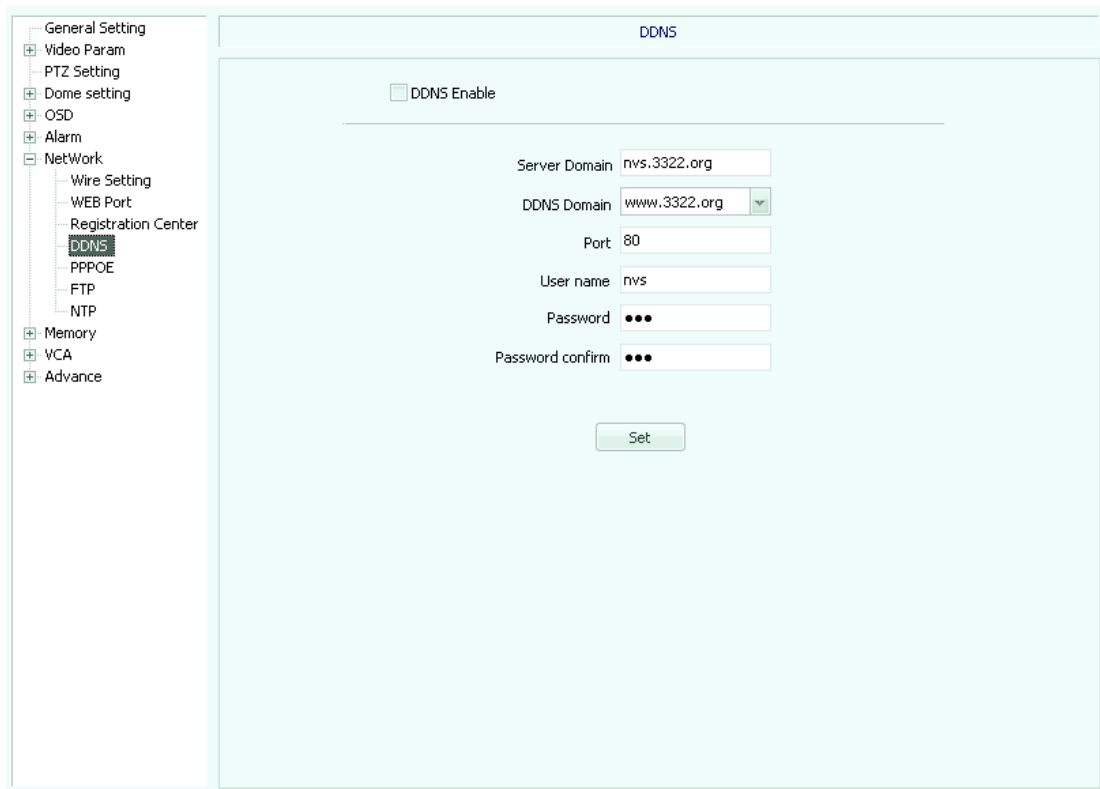


Fig 5.35

PPPoE (Figure 5.36)

Select "PPPOE Enable", fill out the required information, then click "Set".

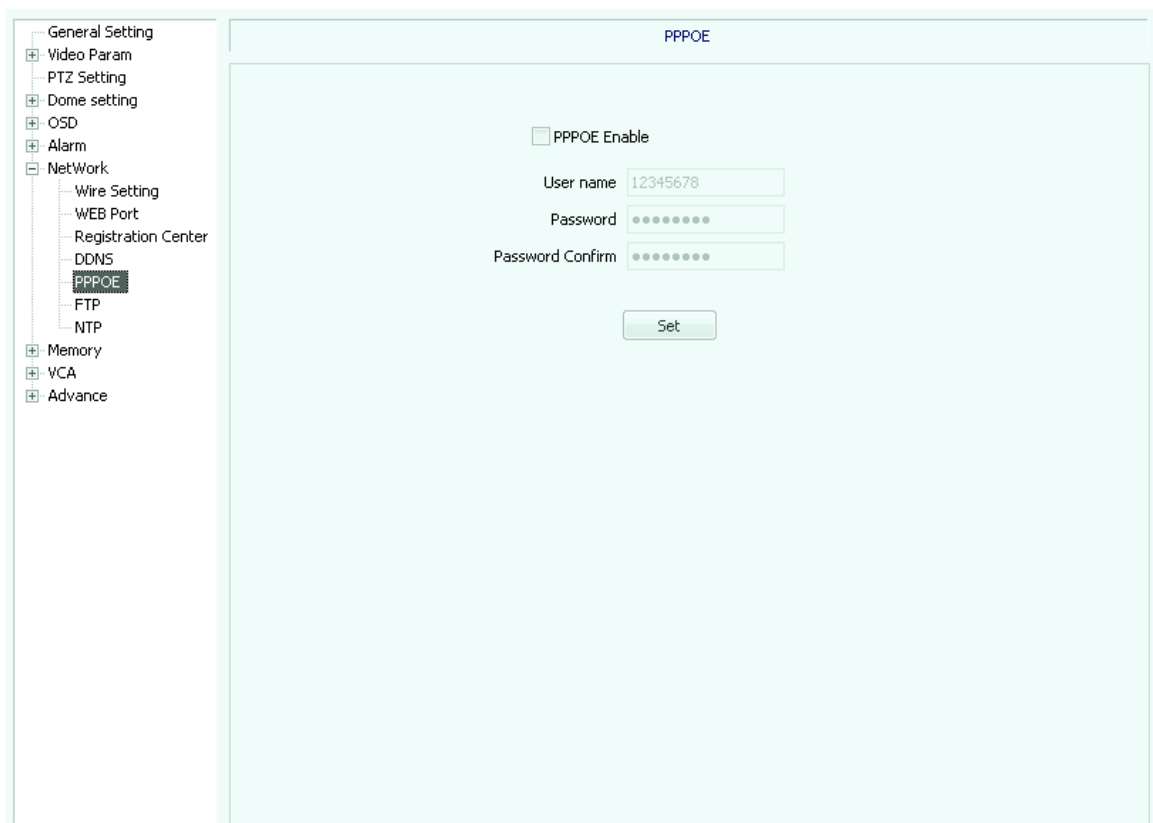


Fig 5.36

FTP (Figure 5.37)

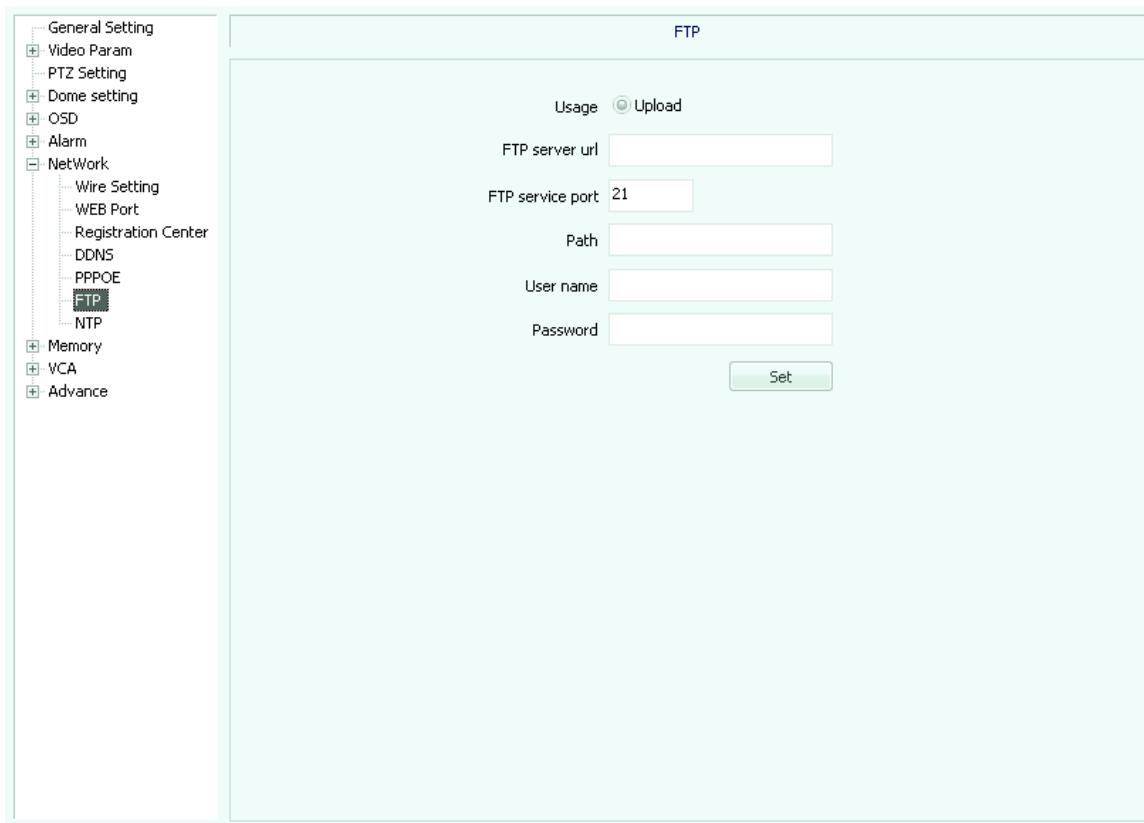
FTP server url: fill in the actual FTP server address

[FTP service port] fill in the corresponding server port number.

Path: the path to fill in the corresponding server.

[Username] : fill in the user name of the corresponding server.

Password: fill in the corresponding server login password.



The screenshot shows a web interface for configuring FTP. On the left is a navigation menu with categories like General Setting, Video Param, PTZ Setting, Dome setting, OSD, Alarm, NetWork, Wire Setting, WEB Port, Registration Center, DDNS, PPPOE, FTP (highlighted), NTP, Memory, VCA, and Advance. The main content area is titled 'FTP' and contains the following settings:

- Usage: Upload
- FTP server url:
- FTP service port:
- Path:
- User name:
- Password:
- Set:

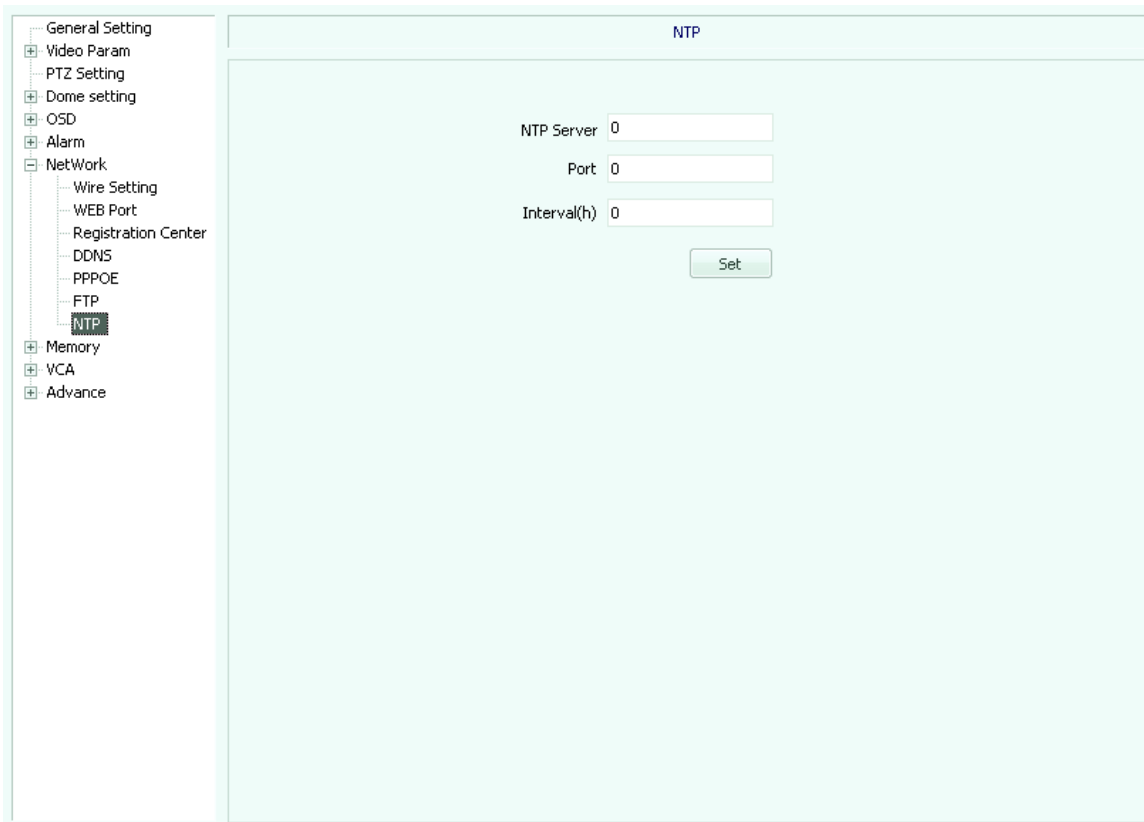
Picture 5.37

NTP (see picture 5.38)

【NTP server】: enter real NTP server address

【port】 enter server port number

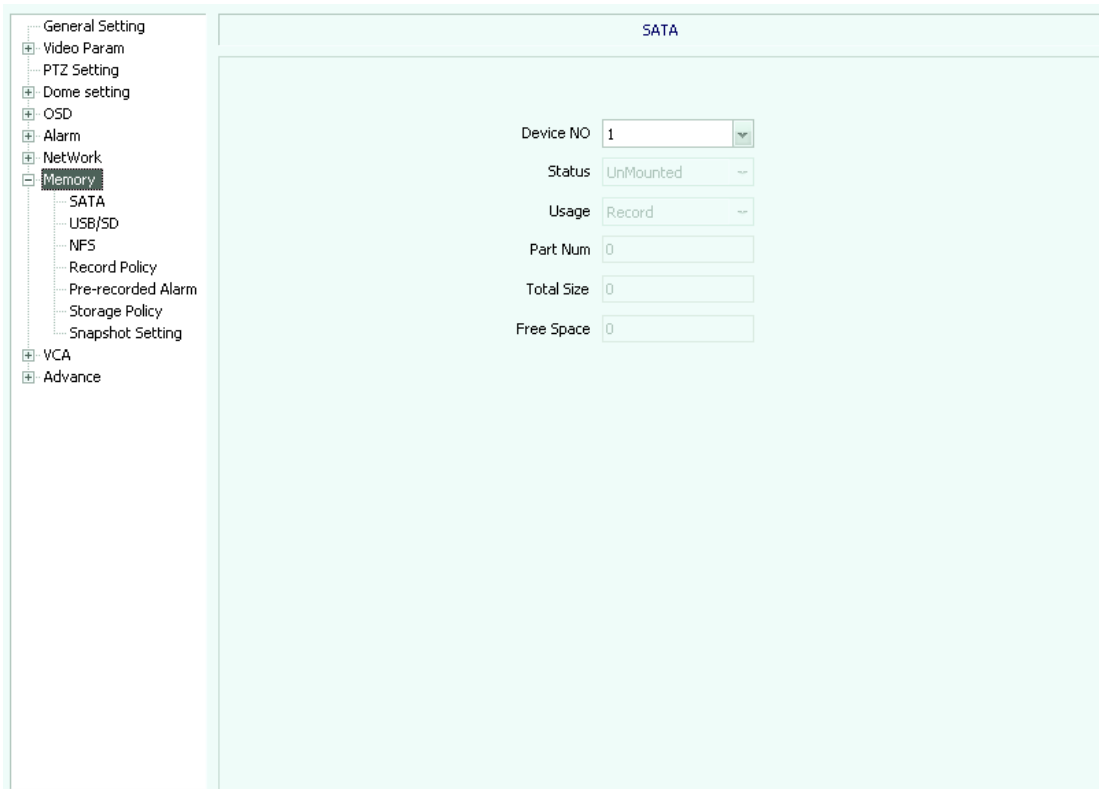
【time interval】: enter NTP time interval



Picture 5.38

External storage

SATA (see picture 5.39)



Picture 5.39

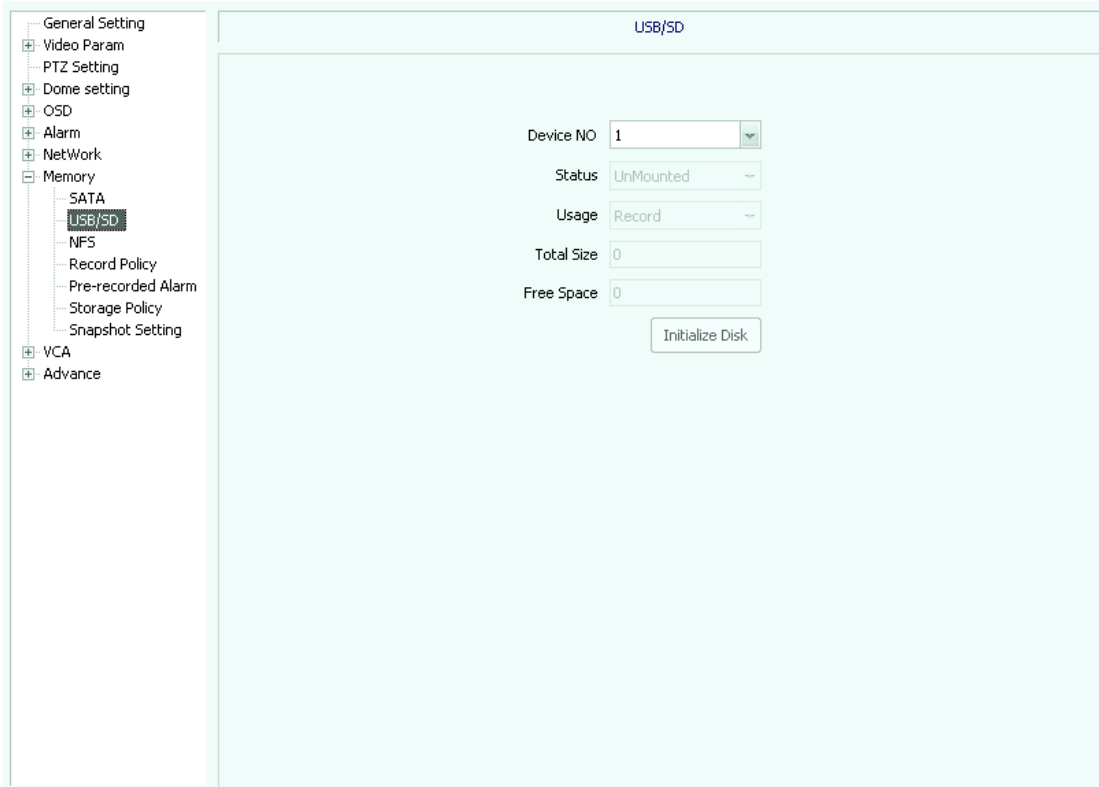
【device no.】: select device number

【status】: display device status

【usage】: select what the disk is used for

Also you may choose part number, disk space and free space

USB/SD (see picture 5.40)



Picture 5.40

【device no.】: select device number

【status】: display device status

【usage】: select what the disk is used for

Also it shows disk space and free space and initializes the disk.

NFS (see picture 5.41)

【device no.】: select device number

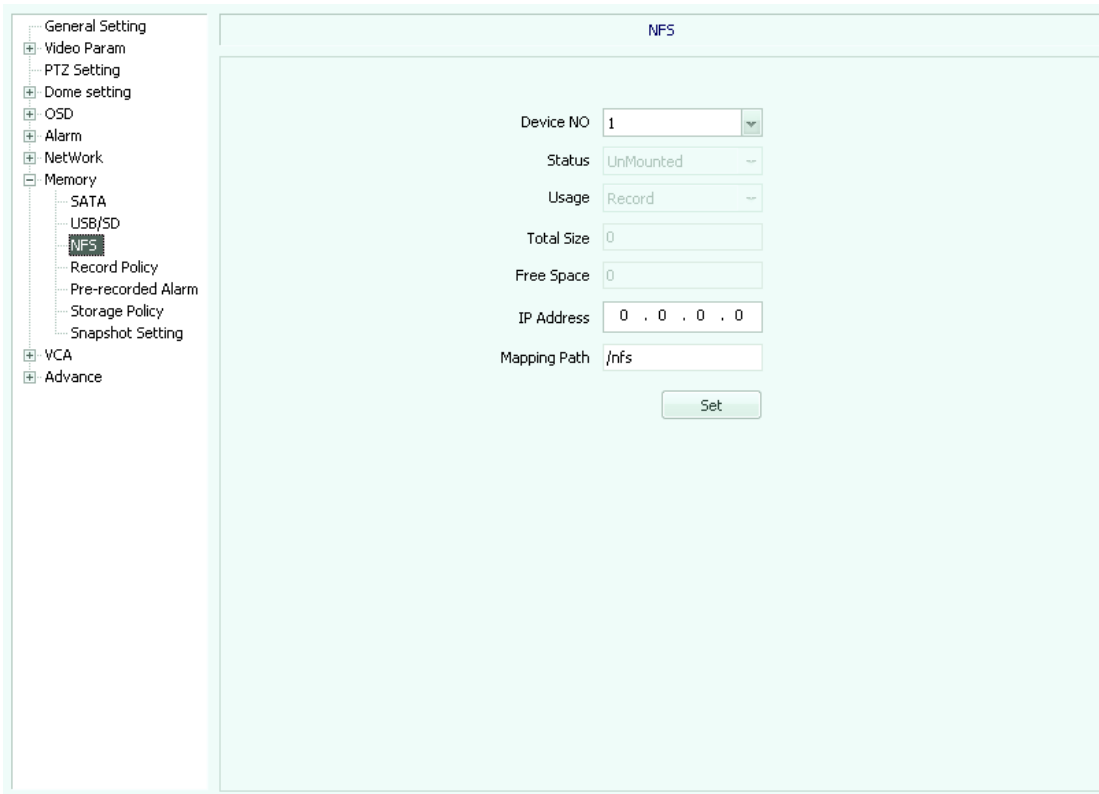
【status】: display device status

【usage】: select what the disk is used for

【IP address】: set IP address

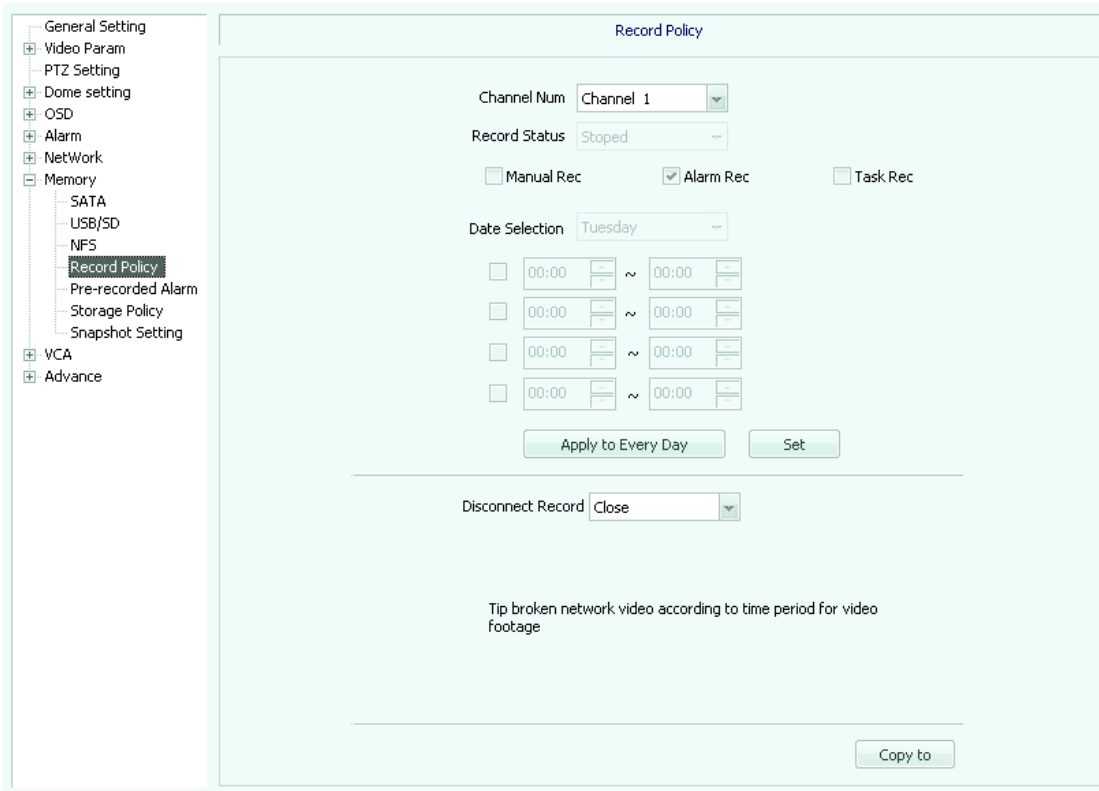
【mapping path】: select available mapping path

Also it shows disk space and free space



Picture 5.41

Record policy (see picture5.42)



Picture 5.42

Including alarm record, timing record and manual record

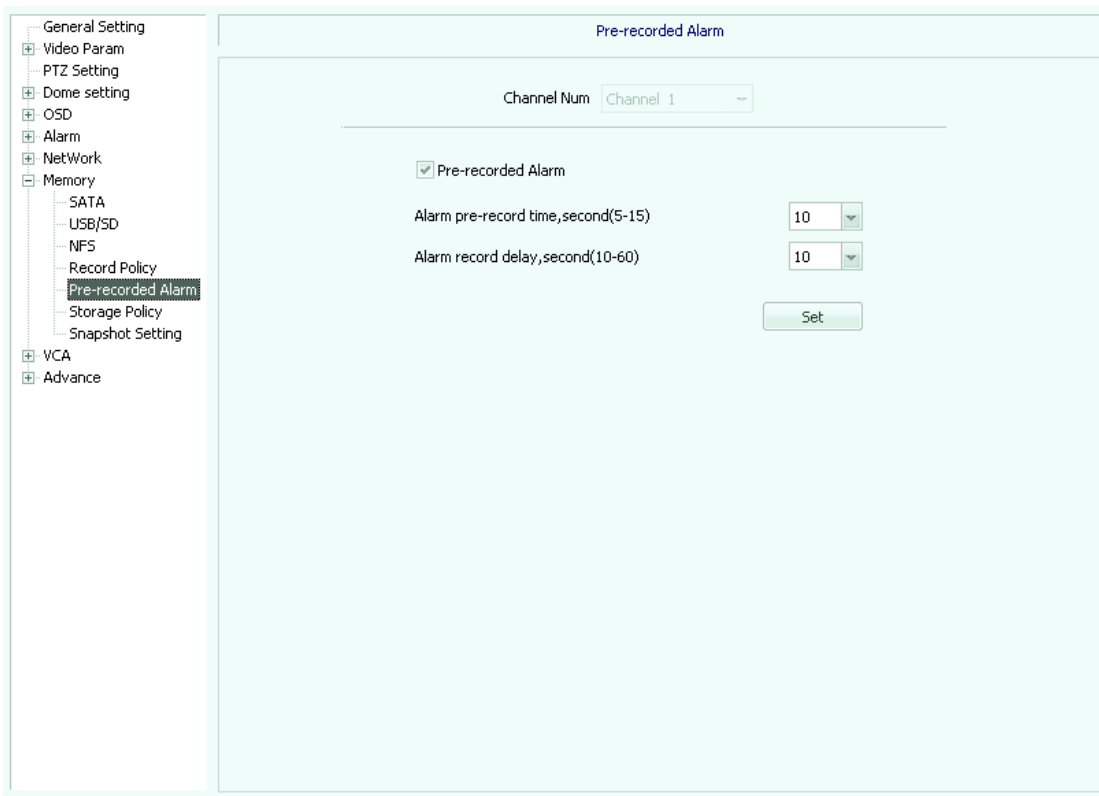
【channel】: select available channel number

【record status】: select suitable record status

【date selection】: set date of existing record or if select timing record you can set recording period through that.

【disconnect record】: set if record or not in disconnection condition.

Pre-recorded alarm (see picture 5.43), activated by checking of “pre-recorded alarm”



Picture 5.43

【channel number】: select channel number

【alarm pre-record time】: selectable 5、10、15 second

【alarm post-record time】: selectable 10、15、30、60 second

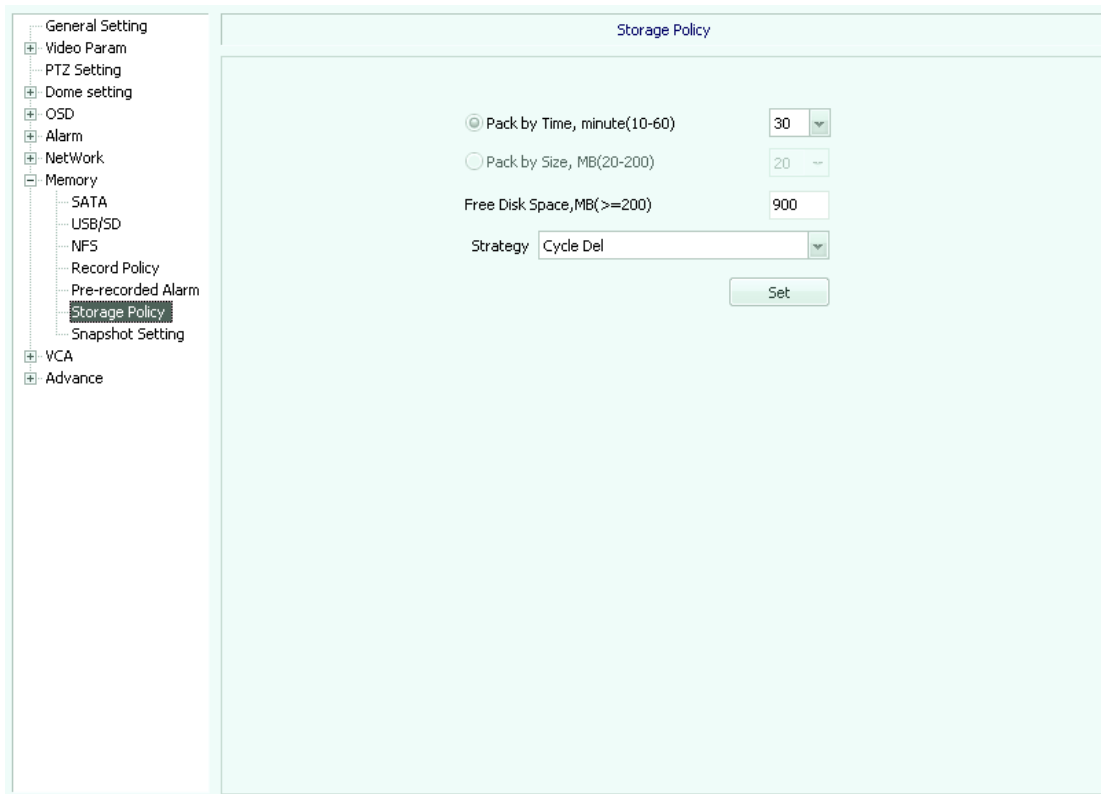
Storage policy (see picture 5.44)

【pack by time】: selectable 10、20、30、60 minute

【pack by size】: choose 20-200 figure (not available now)

【free disk space】: cannot be less than 200MB。

【storage policy】: select to stop record, round delete and round delete except alarm files.



Picture 5.44

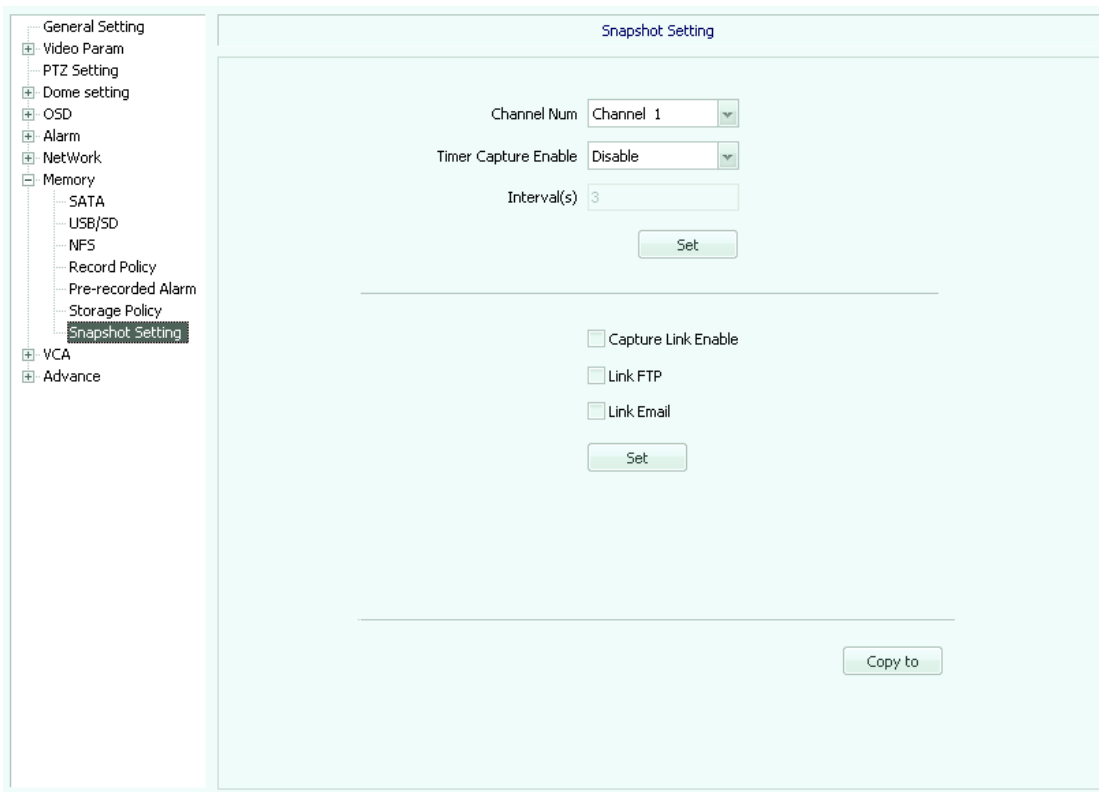
Snapshot settings (see picture 5.45)

【channel number】: select available channel number。

【timer capture】: enable timer snapshot

【interval】: set time interval of snapshot

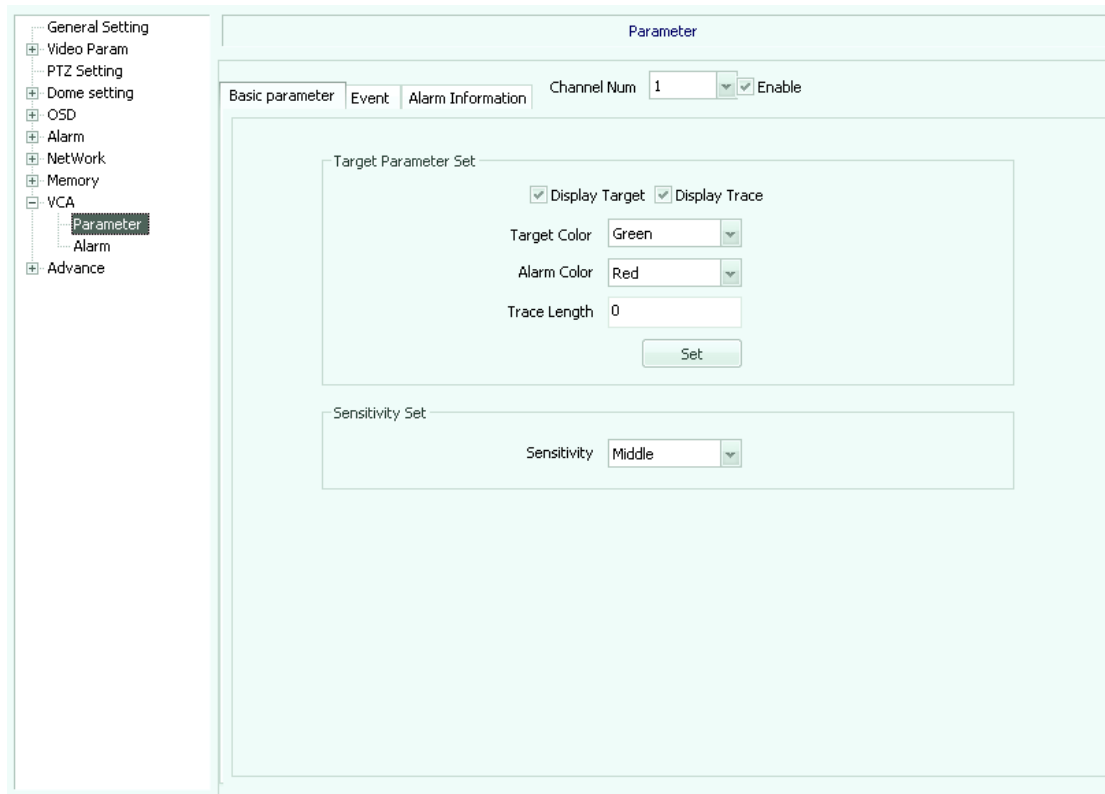
Also can enable capture linkage by checking associated with FTP and Email



Picture 5.45

Smart analysis

Parameter settings: basic parameter (see picture 5.46), check “enable”



Picture 5.46

【object color】: selectable red, green, yellow, blue, purple, cyan, black and white

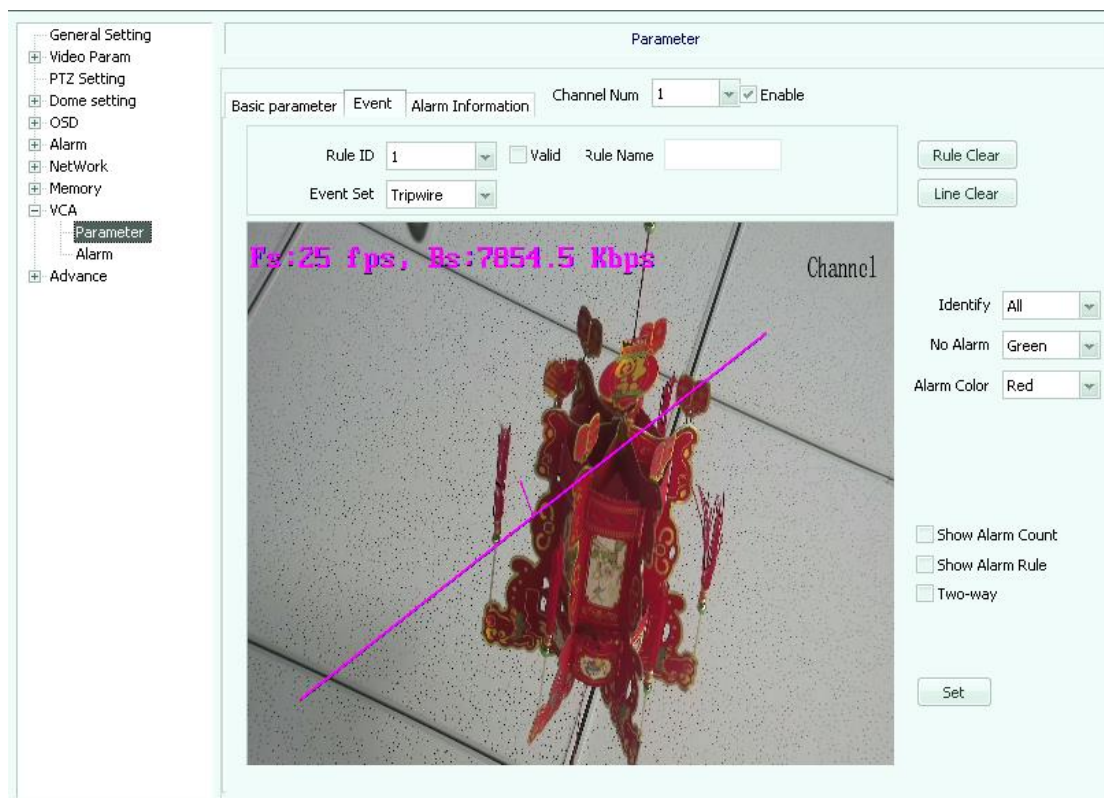
【alarm color】: selectable red, green, yellow, blue, purple, cyan, black and white

【track length】: set track length

【detective sensitivity】: selectable high, medium and low

Parameter settings:

Event settings (see picture 5.47), check “enable” to activate.



Picture

5.47

【rule ID】 : 1~8 available

【event set】: selectable tripwire, boarder protection, object left or lost detection

【identify】 : selectable all, people, cars, people and cars

【none-alarm color】: selectable red, green, yellow, blue, purple, cyan, black and white

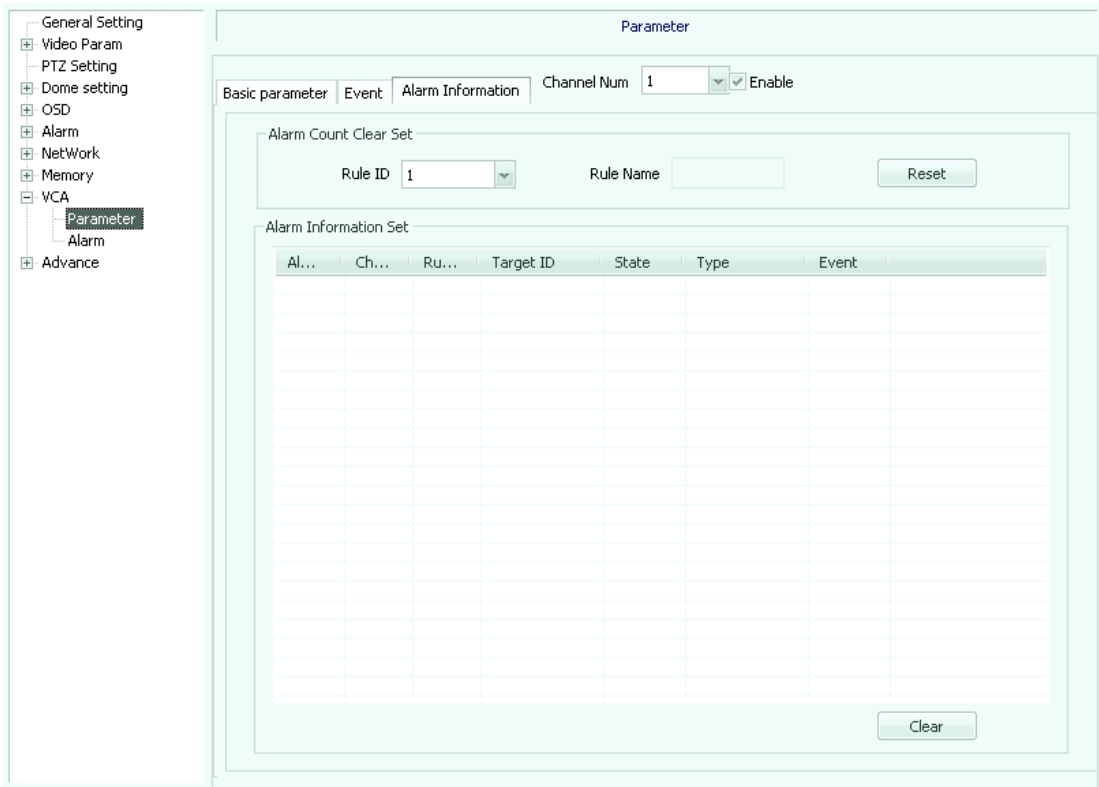
【alarm color】: selectable red, green, yellow, blue, purple, cyan, black and white

Parameter settings: alarm information settings (see picture 5.48), check “enable” to activate.

【channel number】: select video channel number

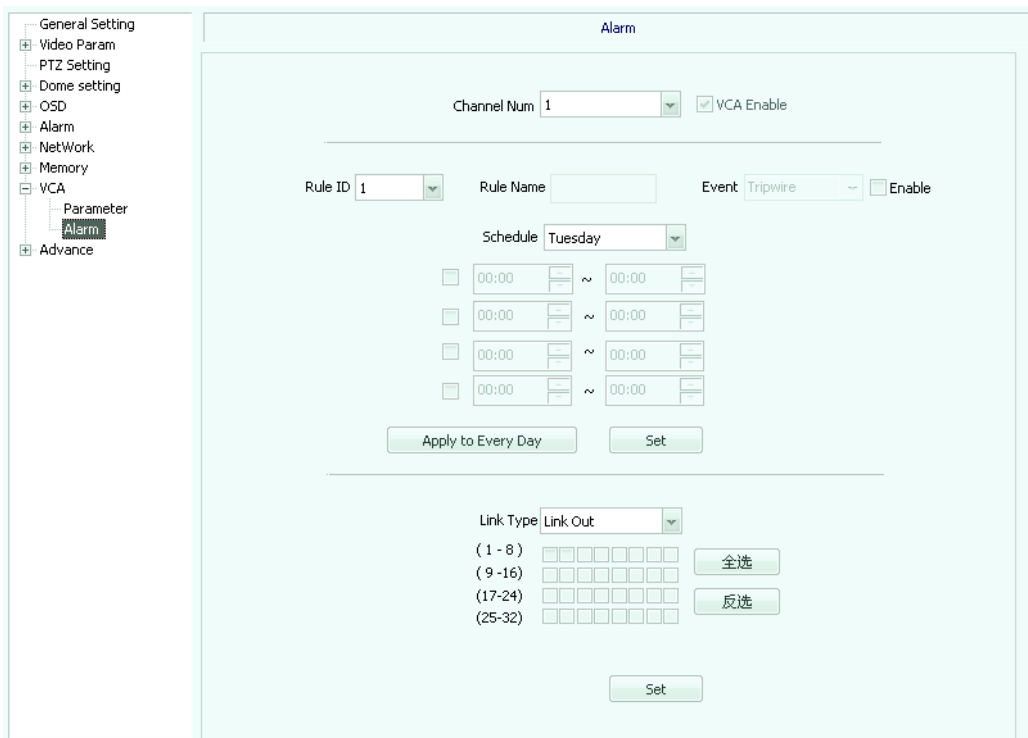
【rule ID】 : selectable 1~8

It can display the corresponding rule number and rule name, and click “reset” can delete all alarm information. You can see details in alarm information by display of alarm information.



Picture 5.48

Parameter settings: alarm settings (see picture 5.49)



Picture 5.49

【channel number】 : Select channel number

【rule ID】 : selectable 1~8 rule ID, and display rule name and event.

【schedule settings】: select Monday, Tuesday.....to Sunday, check it and set time period of schedule.

【link type】 : enable to link to PTZ

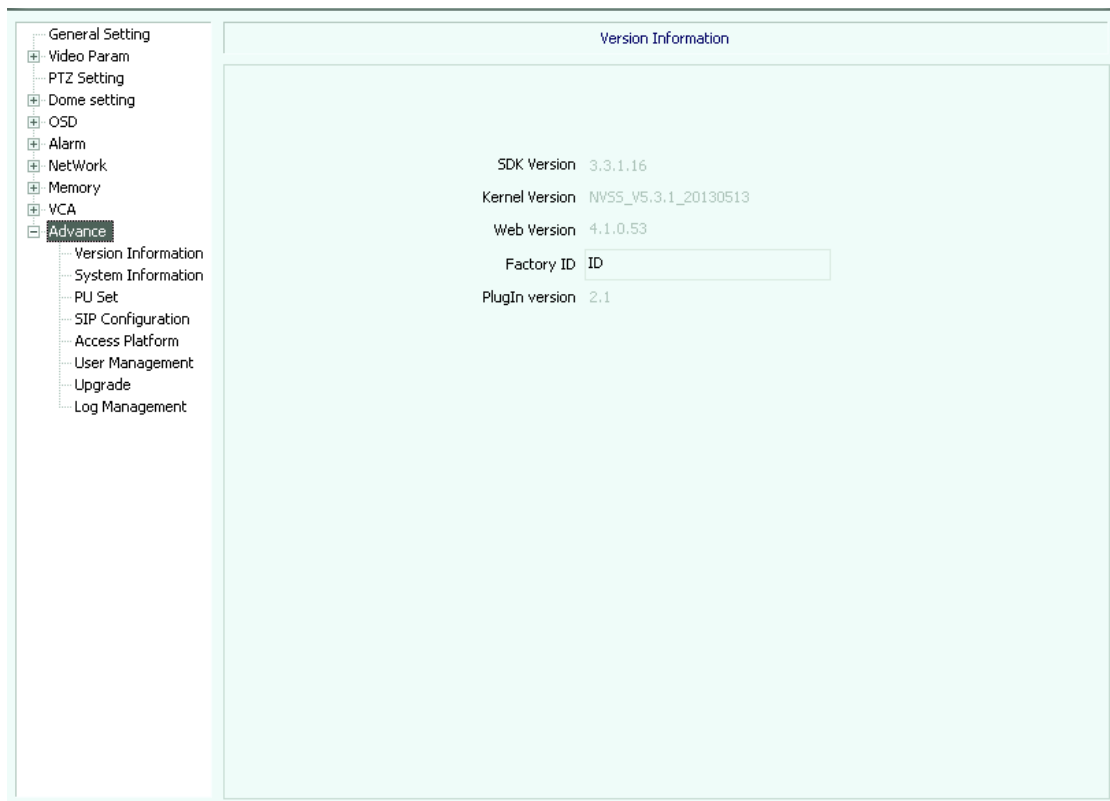
【link channel】 : select available linked alarm channel

【link PTZ type】 : select to ignore linkage, preset, track and cruiser path

【number】: If linked PTZ type is set for preset, track and cruiser path, put number here.

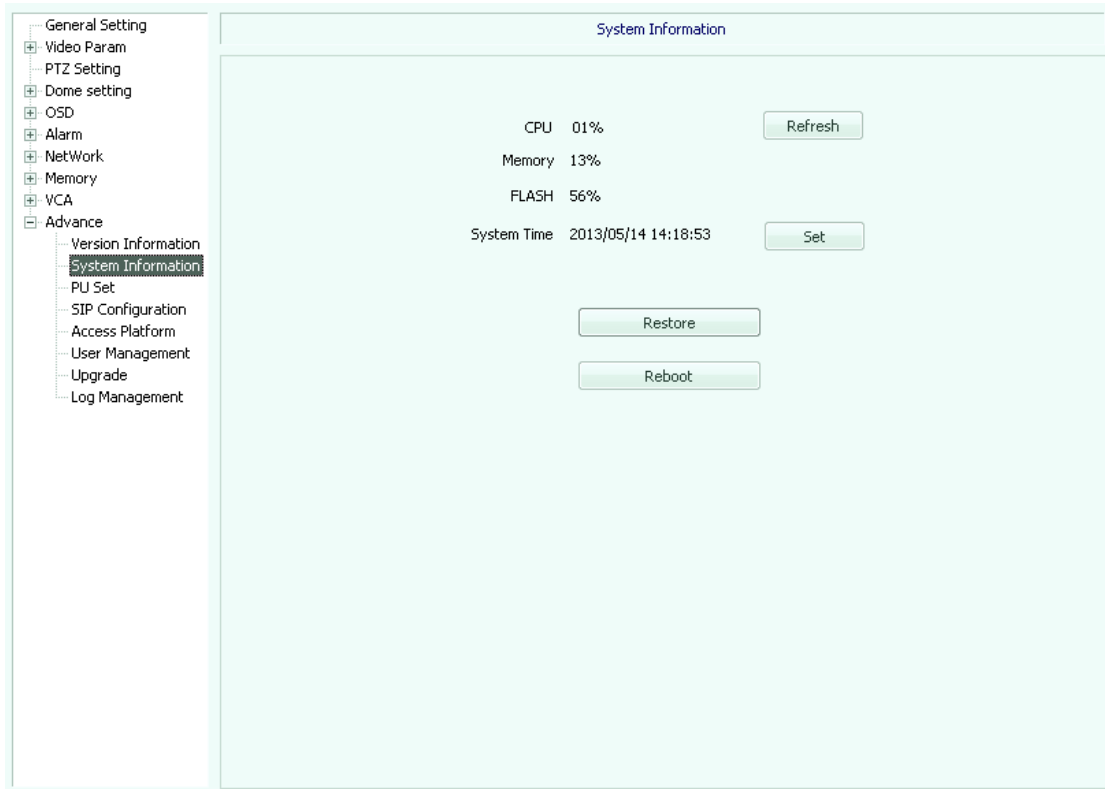
Advanced option

Version information (see picture 5.50)



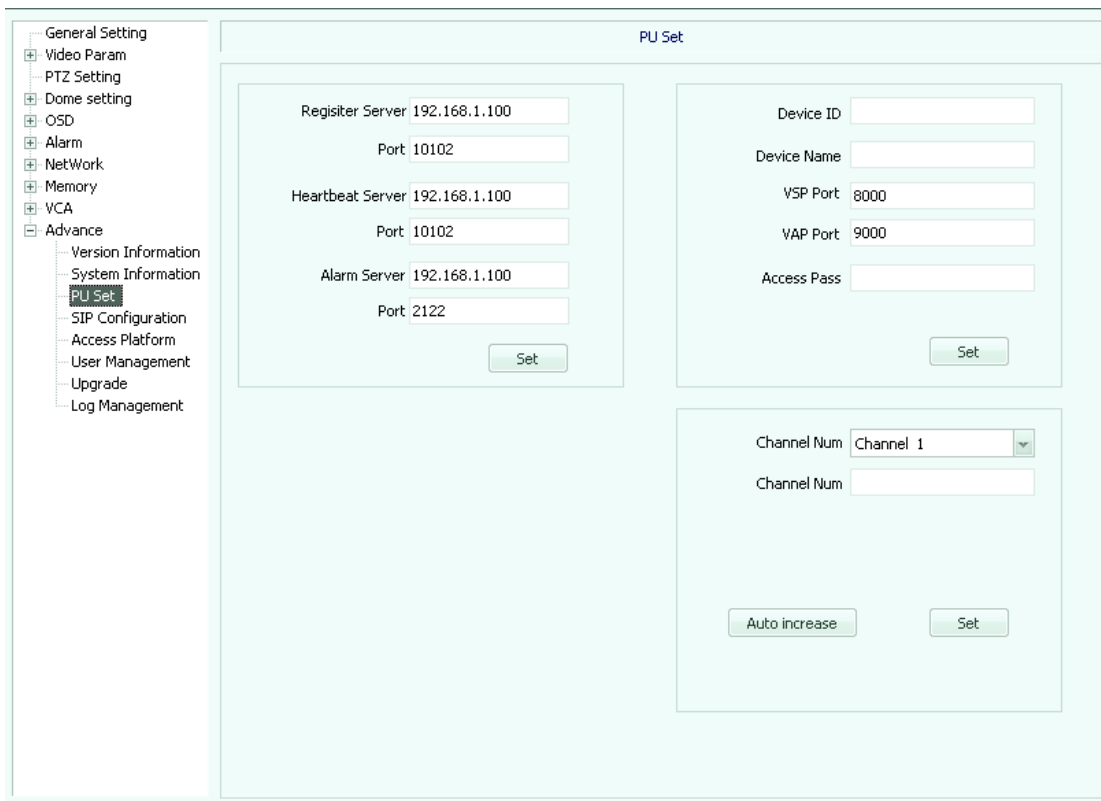
Picture5.50

System information (see picture 5.51)



Picture5.51

PU settings (see picture 5.52)



Picture5.52

SIP settings (picture 5.53)

General Setting
+ Video Param
+ PTZ Setting
+ Dome setting
+ OSD
+ Alarm
+ NetWork
+ Memory
+ VCA
- Advance
 - Version Information
 - System Information
 - PU Set
 - **SIP Configuration**
 - Access Platform
 - User Management
 - Upgrade
 - Log Management

SIP Configuration

SIP Server IP

SIP Server Port

SIP Server ID

SIP Device ID

SIP UserName

SIP Password

RegValidity

Keep-alive

Heartbeat interval

Heart rate

Need to Reg

Channel Num

Channel Num

Channel Level

PTZ time

Alarm Input

Alarm Input Num

Alarm Level

Picture5.53

Access platform (picture 5.54)

General Setting
+ Video Param
+ PTZ Setting
+ Dome setting
+ OSD
+ Alarm
+ NetWork
+ Memory
+ VCA
- Advance
 - Version Information
 - System Information
 - PU Set
 - SIP Configuration
 - **Access Platform**
 - User Management
 - Upgrade
 - Log Management

Access Platform

Platform list

Picture5.54

User management (see picture 5.55)

The screenshot shows a web interface for user management. On the left is a sidebar menu with the following items: General Setting, Video Param, PTZ Setting, Dome setting, OSD, Alarm, NetWork, Memory, VCA, and Advance. Under 'Advance', there are sub-items: Version Information, System Information, PU Set, SIP Configuration, Access Platform, User Management (highlighted), Upgrade, and Log Management. The main content area is titled 'User Management' and contains a form with the following fields: 'User List' (dropdown menu showing 'Admin'), 'User Name' (text input with 'Admin'), 'Old Pwd' (password input with four dots), 'New Pwd' (password input), 'Password Confirm' (password input), and 'Authority' (dropdown menu showing 'Admin'). Below the form are three buttons: 'Add', 'Delete', and 'Modify Pwd'.

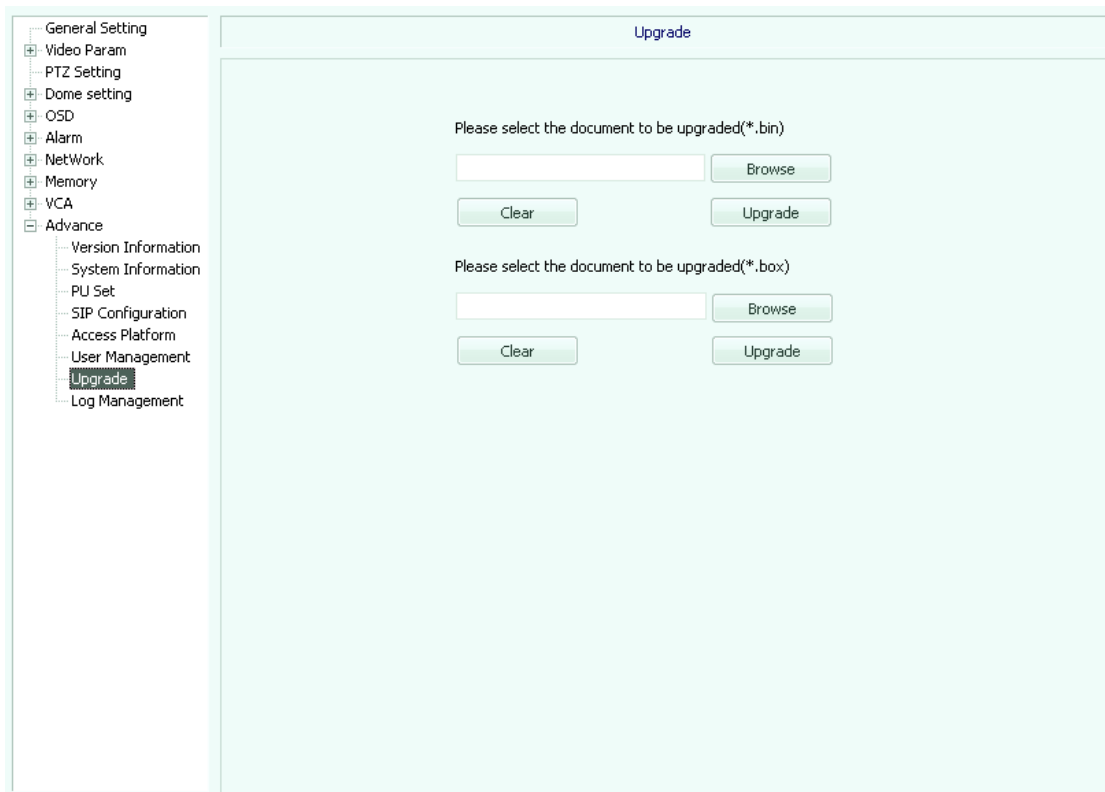
Picture5.55

【add user】: enter user name such as “guest” and password. And then select “authority” and click “add”to add a new user

【delete user】: select targeted user and click “delete” to delete this user

【change password】 : Select the user you want to modify in the " User selection", enter the new password, click on "Change Password".

Update (see picture 5.56)

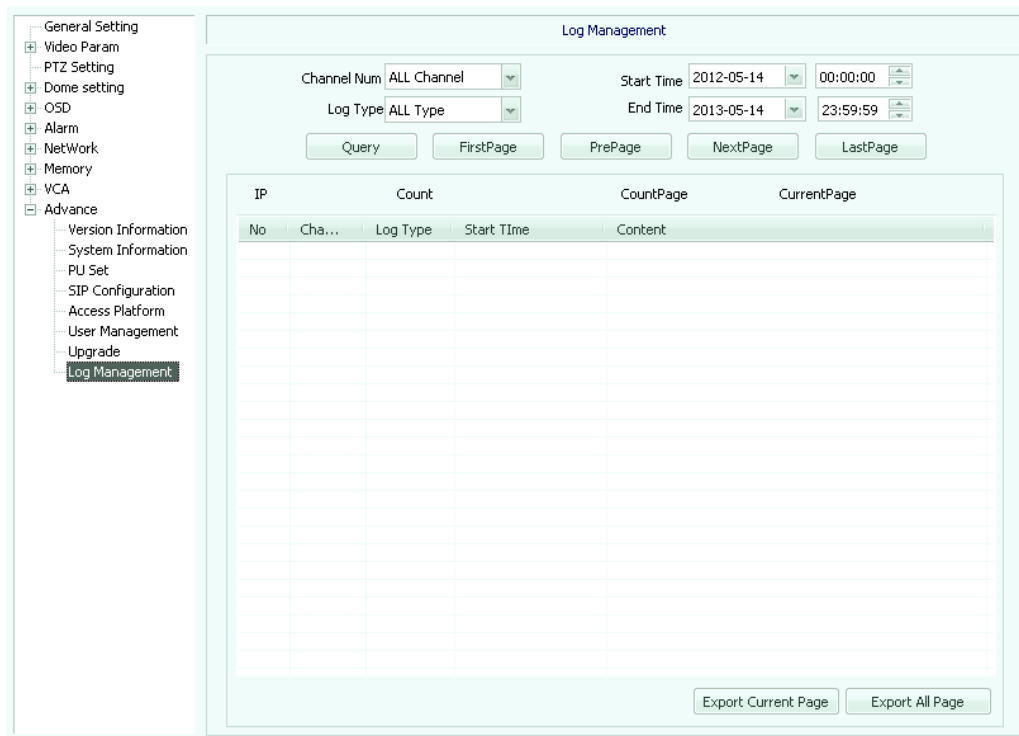


Picture 5.56

You can update 2 kinds of program including .bin and .box files.

Note: .bin file cannot be worked until twice updating.

Log management (see picture5.57)

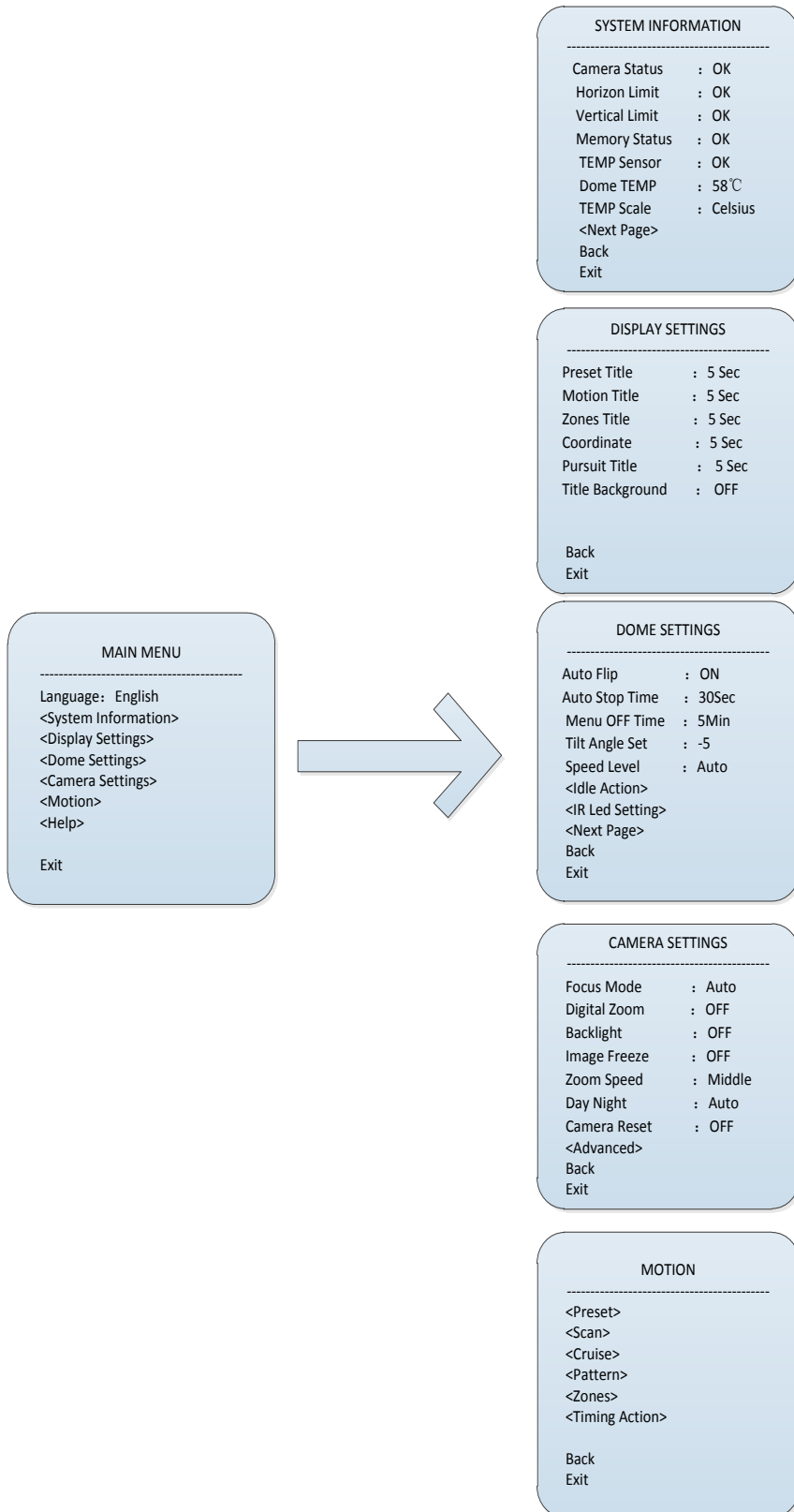


Picture 5.57

Chapter 6 Menu Settings

Call #95 preset to open menu of speed dome.

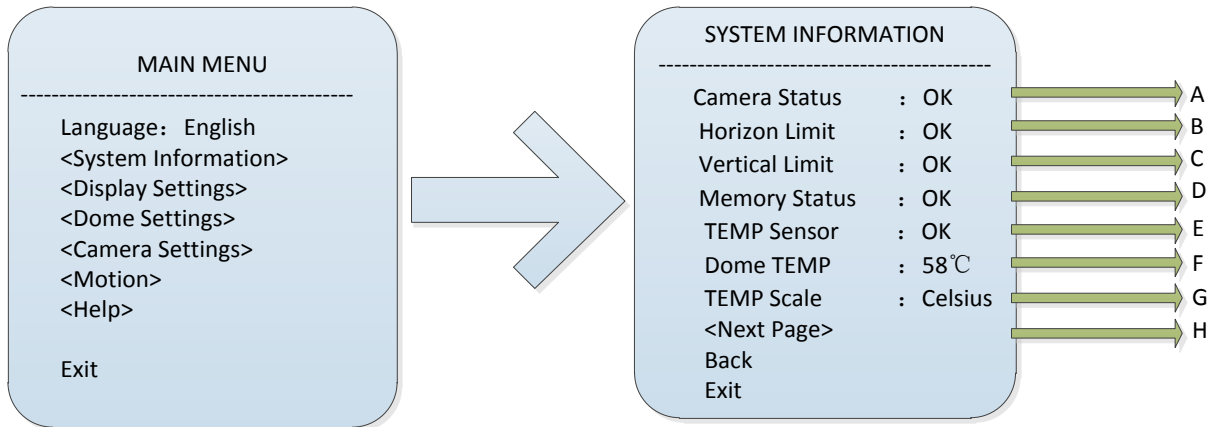
Menu index



Language

This speed dome provide 2 optional language including English and Chinese. You can Call #95 preset to open menu of speed dome, and move your mouse to “language settings”, press “aperture on” to enter settings and move joystick to switch English/Chinese, then press “aperture on” to confirm.

System information



A: camera status

B: horizon limit

C: vertical limit

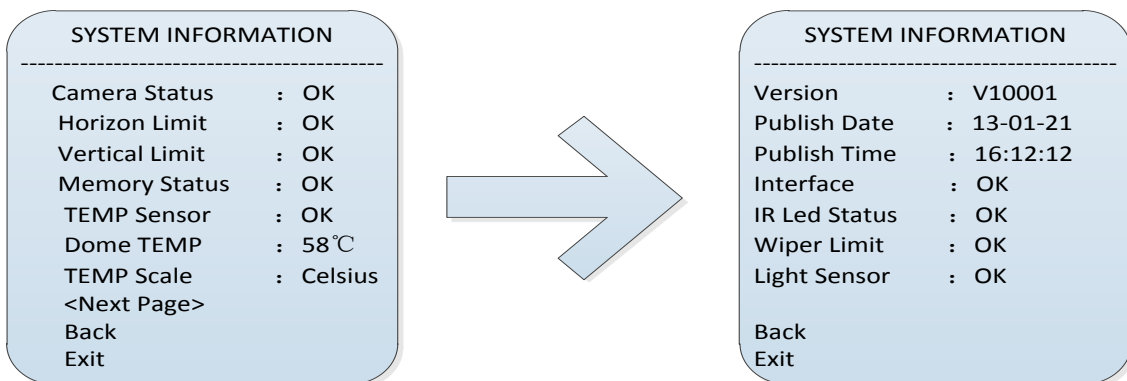
D: memory status

E: temperature sensor

F: dome temperature

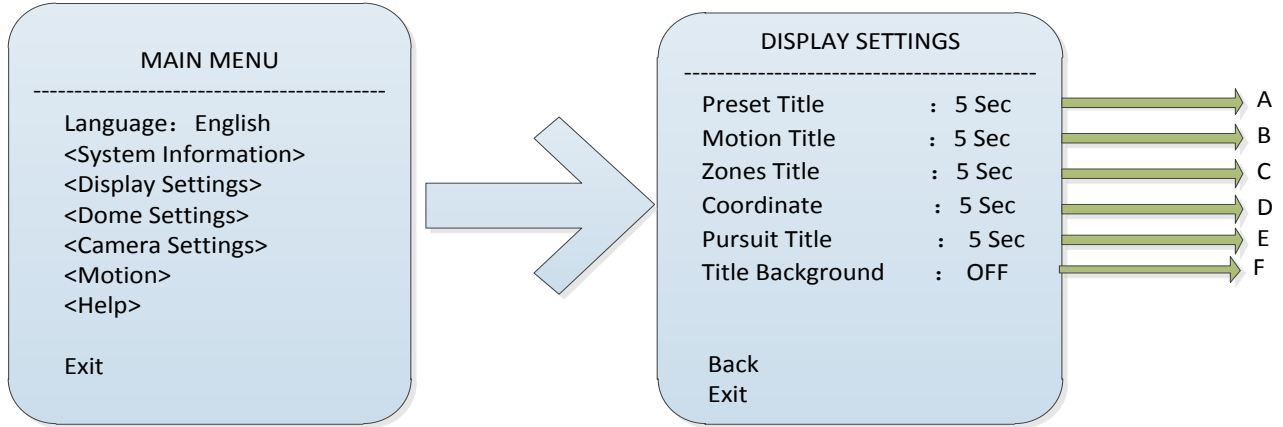
G: temperature scale

H: next page



Display settings

Call #95 preset to open menu and move joystick, select "display" settings", then press "aperture on" to enter "display settings" sub-menu, waving the joystick to move the pointer to targeted menu.



A: Preset Title

Press iris on to set up "preset title" and select "2S/5S/10S/LAST/OFF". Press iris on to confirm.

B: Motion Title

Press iris on to setup "MOTION TITLE" and select "2S/5S/10S/LAST/OFF". Press iris on to confirm

C: Zones Title

Press iris on to set up "ZONES TITLE" and select "2S/5S/10S/LAST/OFF". Press iris on to confirm.

D: Coordinate

Press iris on to setup "coordinate" and select "2S/5S/10S/LAST/OFF" through moving the joystick. Press iris on to confirm.

E: Pursuit title

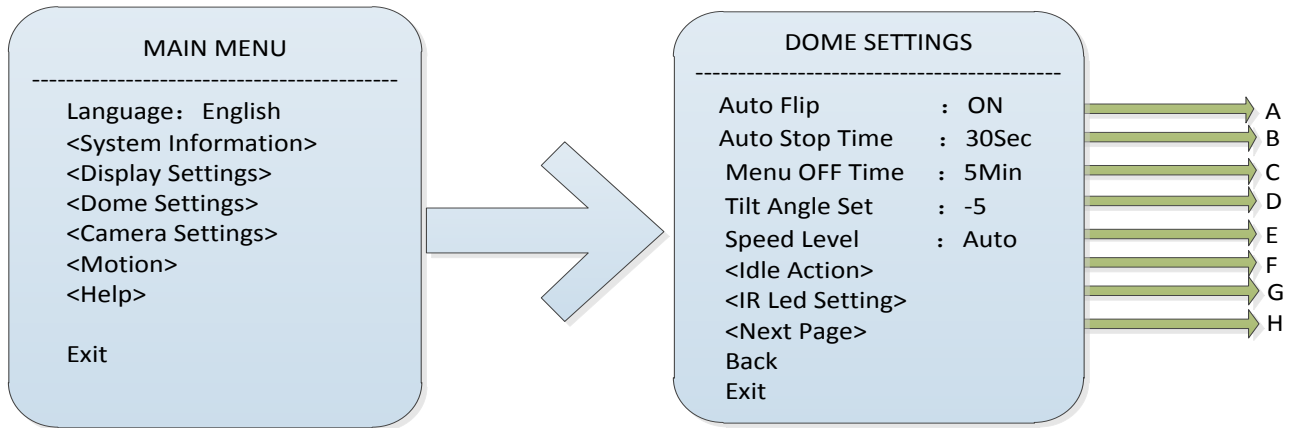
Press iris on to setup "Pursuit title" and select "2S/5S/10S/LAST/OFF" through moving the joystick. Press iris on to confirm.

F: Title background

Press iris on to setup "title background" and select "ON/OFF" through moving the joystick. Press iris on to confirm.

Speed dome settings

Call #95 preset to open main menu, press “aperture on” to enter “speed dome settings”.



A: auto flip

Enable auto flip function.

B: auto stop time

Automatic stop time indicates that how long the speed dome does not receive stop code to stop the PTZ action selectable 5 sec, 15 sec, 30 sec, 60 sec.

C: menu off time

In the case of open the menu, how long it will automatically turn off the menu display without any actions. Move the cursor to the menu off time, open the “aperture on” to enter the setup mode, the joystick up and down to select a menu off time 1/2/5/10 minutes"

D: tilt angle set

Select “0” degree through “-11” degree, minus degree is available.

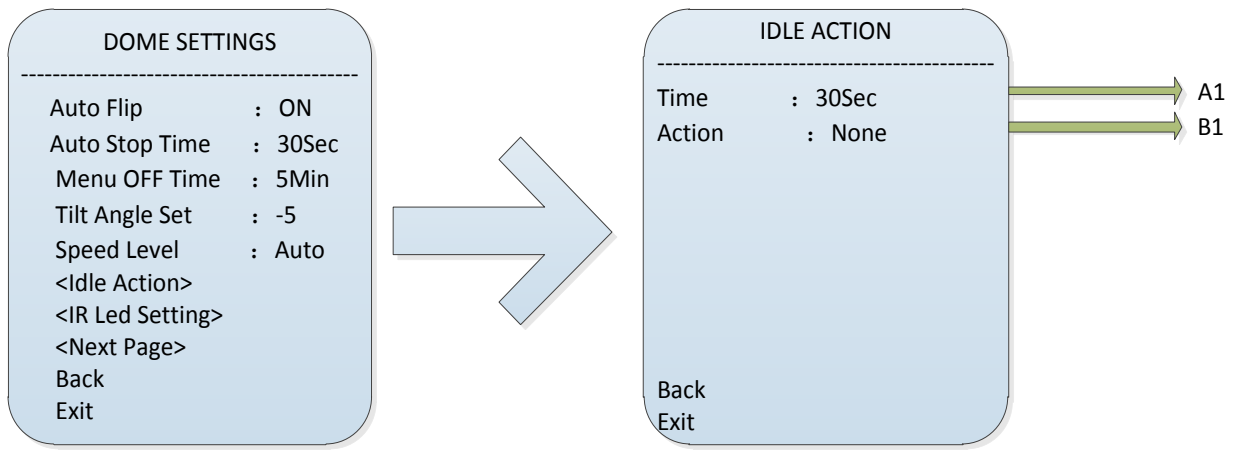
Set interval is 1 degree. When the user finishes to set starting angle, the configuration of angle will be saved on condition of power off or resuming of factory settings.

E: speed level

There are four options for selection including auto, high speed, medium speed and low speed. You can change the max speed by reconfiguration.

F: idle action

Move your pointer to “idle action” then press “aperture on” to enter submenu.



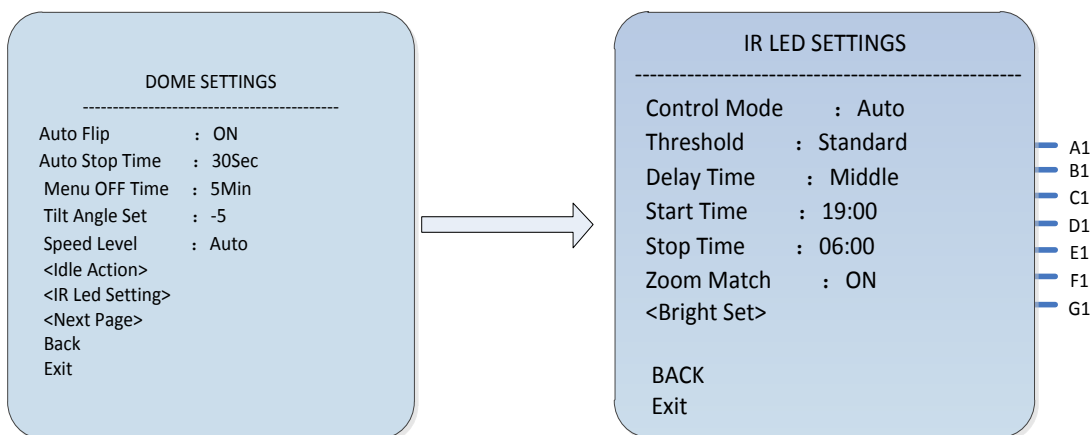
A1: idle time

Selectable 30 sec/1min/5min/10min/30min, press “aperture on” to confirm.

B1: idle action

Use joystick to Select idle action, including preset 1/ scan1/ cruiser 1/ pattern1 /none

G: IR LED settings



A1: control mode

Use joystick to select control mode including auto, auto, followed by camera, timer start, manually turn on and manually shut off.

Description of five mode

- 1: Auto: IR is turned on or shut off completely by the light sensors control, and the speed dome force the camera to switch black and white. When the photosensitive sensor detects brightness around less than the photosensitive threshold, the infrared light will open and the camera will be forced from color to black and white. When the photosensitive sensor detects brightness around more than the photosensitive threshold, the infrared light will shut off and the camera will forced from black and white to color.
- 2: followed by camera: infrared light is triggered automatically by the camera color switch.

When the ambient light is getting dark, the camera switches from color to black and white. On the contrary, when the ambient light is getting bright, camera switches from black and white to color and infrared light shut off.

3: timer start: according to customer settings of time periods to turn on and off, you can control whether Infrared light is turned on or shut off across by 00:00. Such as: (set opening time: 19:00, set off time: 06:00). The infrared light will stay on from 9:00 to 06:00 in the next day, and shut off in the rest time.

4: manually turn on: user forces to turn on the infrared light manually.

5: manually shut off: user forces to shut off the infrared light manually.

Note: when the speed dome stays at “followed by camera” mode the switch of camera will be disabled.

B1: sensitivity threshold

The user can adjust the environment light threshold of infrared light according to the special occasions of the site. In automatic mode, infrared light turns on in the default setting of 1 ~ 2lux brightness (there might be deviation effected by the direction of the speed dome). Move the joystick to adjust level of very low / low / standard / medium / high.

C1: delay time

When the ambient light is above / below the set sensitivity threshold, the delay time for turning on / off the infrared light can be adjustable. Press “aperture on” to set delay time and move left and right joystick to adjust low / medium / high level.

D1: start time

Move left and right joystick to set clock and move up and down to set figures.

E1: stop time

Move left and right joystick to set clock and move up and down to set figures. It can be cross 00: 00 for setting.

Note: the setting for infrared light turn on and shut off time cannot be enabled until infrared light stay at “timer” mode.

F1: zoom match

Press “aperture on” to enter “zoom match” sub-menu. When you select “open” mode the brightness and consumption of infrared light can match with distance between camera

and object. In different zoom folds the infrared light can be auto-controlled perfectly to adjust consumption of infrared light. When you select "close" mode infrared light will turn on as per what the user set brightness for each group of light without function of zoom self-adjustment. We highly recommend you to select zoom match.

G1: brightness set

A2: LED1 at long distance

When shut off zoom match you can adjust LED1 at long distance brightness with level from 0~10, the more the brighter.

B2: LED2 at long distance

When shut off zoom match you can adjust LED2 at long distance brightness with level from 0~10, the more the brighter.

C2: LED1 at close distance

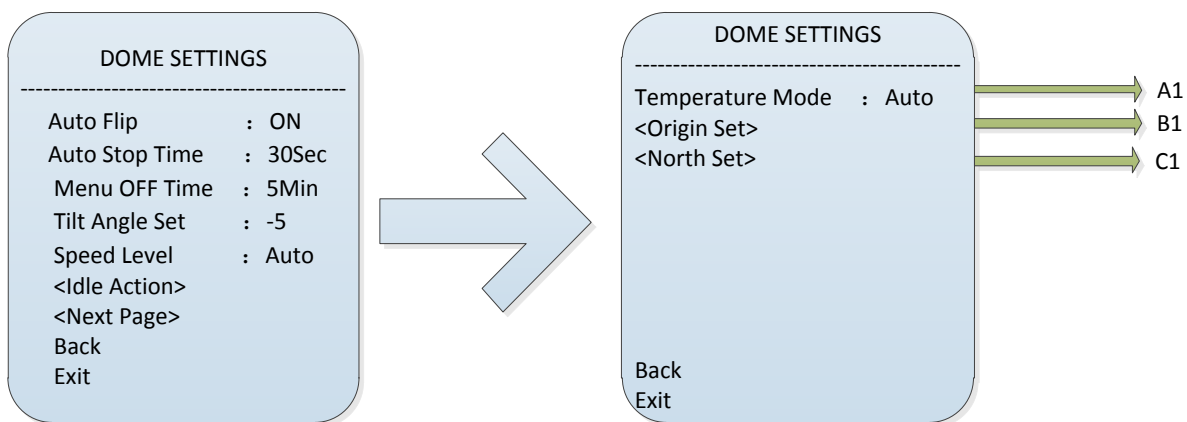
When shut off zoom match you can adjust LED1 at close distance brightness with level from 0~10, the more the brighter.

D2: LED2 at close distance

When shut off zoom match you can adjust LED2 at close distance brightness with level from 0~10, the more the brighter.

H: NEXT PAGE

Move the cursor to the "next page", press the stop on entering "next" submenu



A1: temperature control mode

Move the cursor to "temperature control", according to the aperture opening for "temperature control mode" setting, move shake bar, temperature control mode can be

set to: air/mist/heating on/off/Auto, established in accordance with the aperture opening, set an end.

B1: azimuth zero point setting

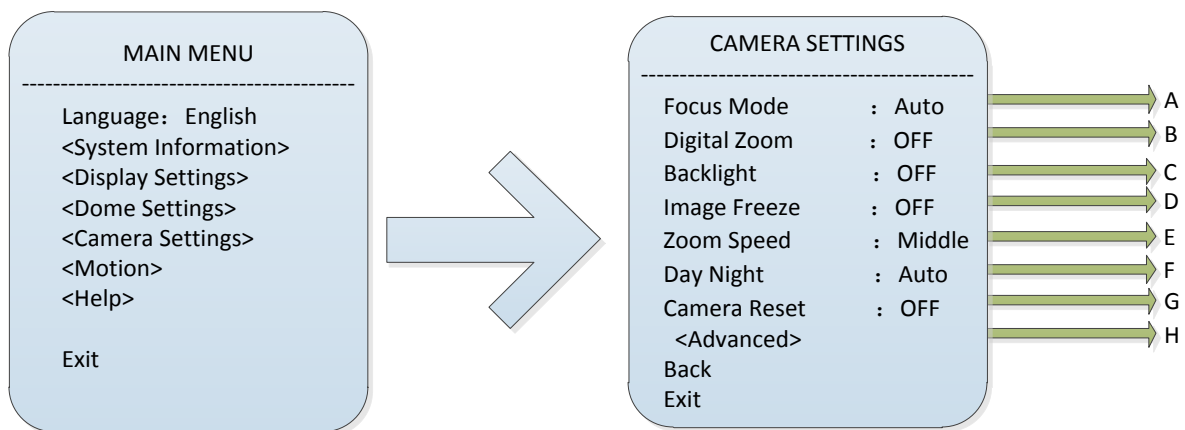
Move the cursor to "set the zero point position," according to the aperture opening for "azimuth setting the zero point" setting, move shake bar, select a position zero, established in accordance with the aperture opening, set an end.

C1: azimuth North set

Move the cursor to "azimuth North setting" according to the aperture opening for "orientation means North setting" settings, move shake bar, select a location for the North, established in accordance with the aperture opening, set an end.

Camera settings

2 million camera settings:



A. focus mode

Move the cursor to "focus mode", press IRIS open to enter focus mode setting, rocker bottom for automatic and manual zoom and focus mode selection.

B. Digital Zoom

Move the cursor to "digital zoom", press the IRIS on entering the digital zoom setting, rocker bottom on and off settings.

C. Backlight compensation

Switch settings. When the image brightness of the screen low, open the brightness of the backlight compensation to improve webcam.

D. Image freeze

Switch settings. When you want to lock the current picture, open the image to freeze will always show the current image, until you close the image freezes again.

E. Variable-speed

Move the cursor to "zoom speed", press the aperture opening into the zoom speed setting mode, rocker arm up and down to select the camera's zoom speed, can be set to "low", "medium", "high speed".

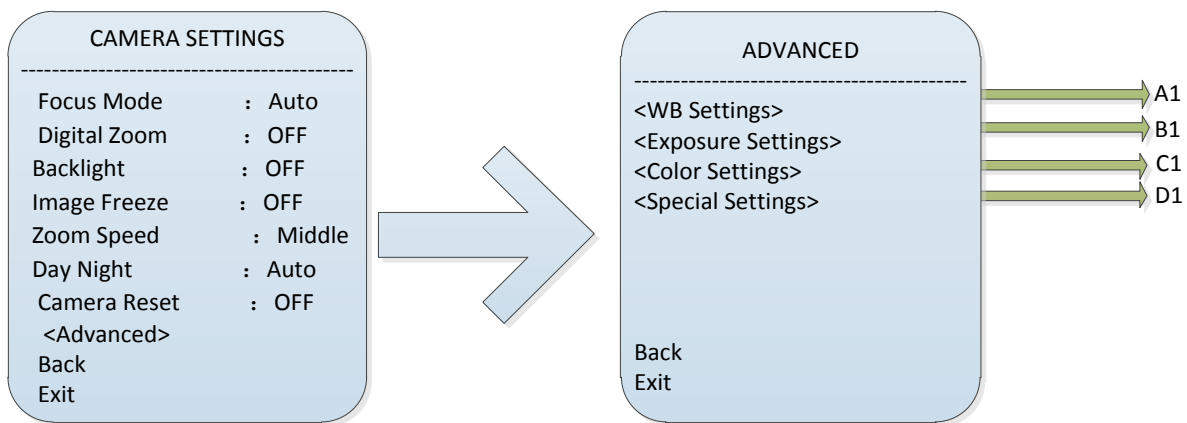
F. Day and night conversion

Move the cursor to "transform day and night", press the aperture on enter conversion settings around the clock mode, rocker arm up and down to select camera night mode can be set to "auto", "color", "black and white".

G. Restore factory

Select camera to factory settings to "on", the system will restore the parameters to the factory settings of the camera

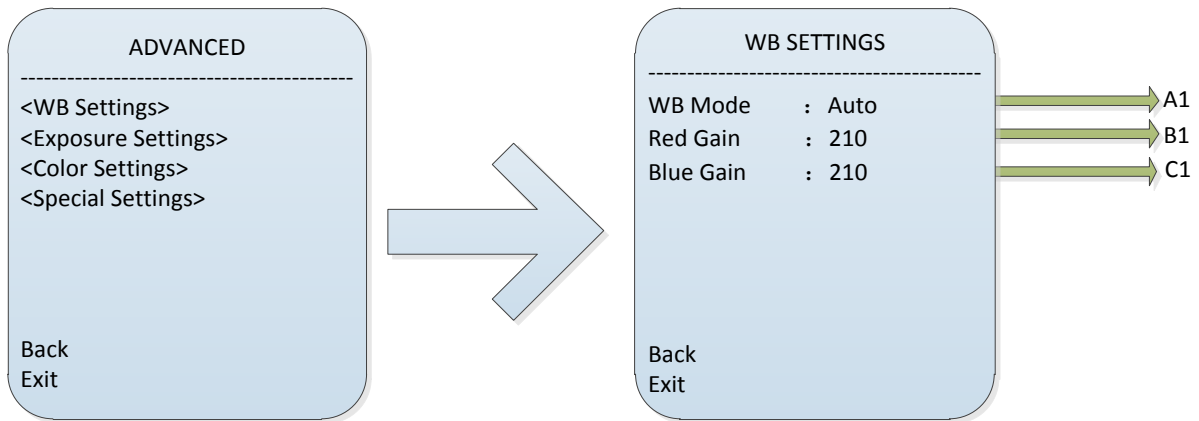
H. Senior



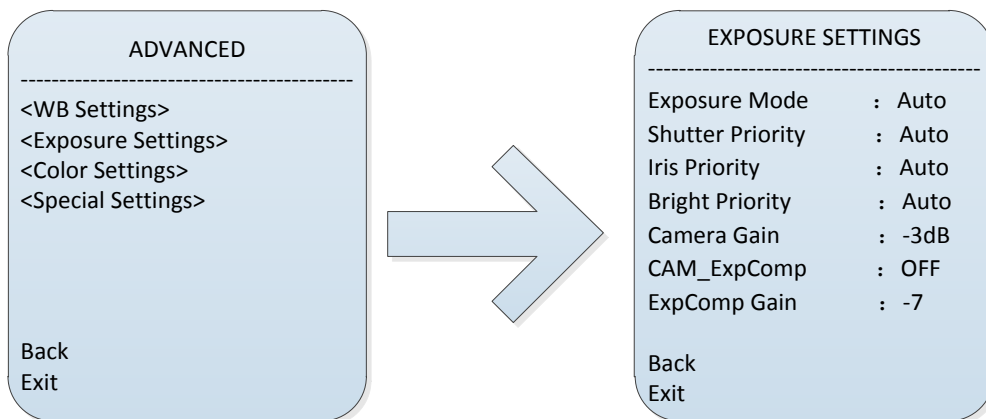
A1. white balance mode

Move the cursor to "white balance mode", press the aperture opening into white balance setting mode, rocker bottom can be set separately for "/ATW/automatic/manual auto/indoor/outdoor/outdoor sodium Na Kouang auto/light/key/key mode is triggered".

When the white balance mode to manual when the r, b gain value can be adjusted: move the cursor to "r gain" by IRIS on entering r-gain setting mode, rocker set r-gain value. Move the cursor to "b gain" by IRIS on entering the b gain settings mode, rocker sets b gain value.



B1.Exposure mode



Move the cursor to "exposure mode", press the stop on entering the exposure mode set, rocker bottom can be set to "auto/priority/aperture priority/shutter priority/manual brightness"

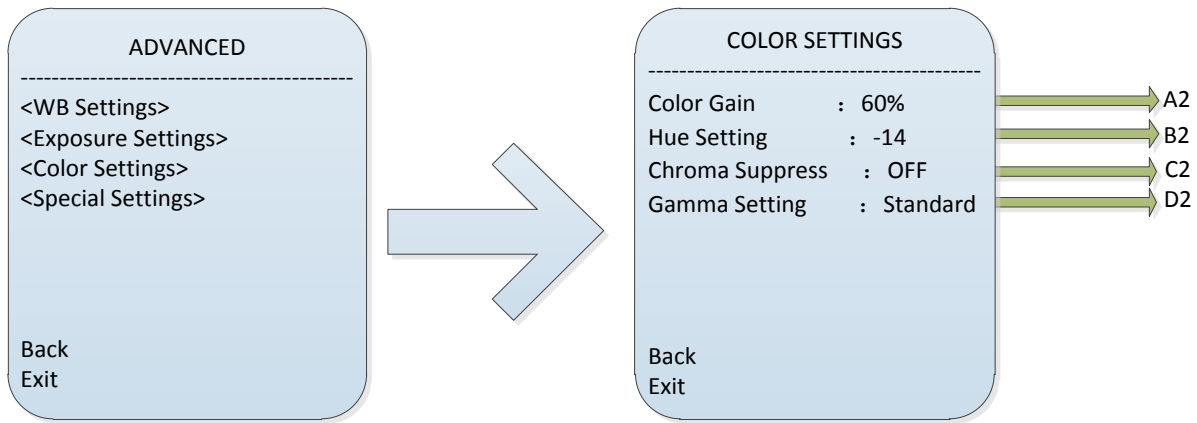
When the shutter priority exposure mode State, move the cursor to "shutter priority" by IRIS on entering setup mode, rocker set the shutter speed value.

When aperture priority exposure mode State, move the cursor to "Aperture priority" by IRIS on entering setup mode, joystick up or down to set the aperture value.

Brightness priority status when the exposure mode, move the cursor to "brightness priority" by IRIS on entering setup mode, rocker set the brightness values.

C1. color

settings



A2. color-gain

Move the cursor to "color-gain", according to the aperture opening into the color-gain settings, and rocker color-gain is set to 60%~200%.

B2. Hue settings

Move the cursor to "tone settings", press the stop on entering-tone set, joystick up or down to set the tone for the -14~14 (even).

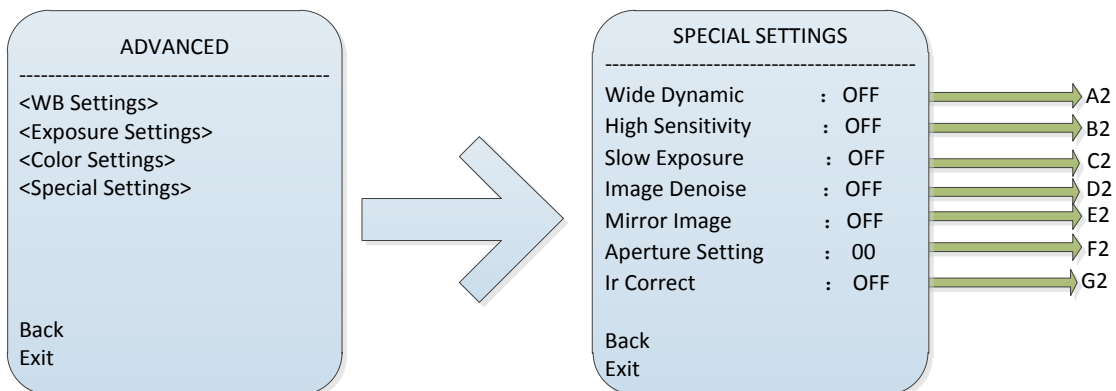
C2. Chroma Suppress

Move the cursor to the "Suppression of color", set the aperture opening into the color suppression, joystick up or down to set the tone for the level I, level II, and level III, closed.

D2. Gamma settings

Move the cursor to "Gamma settings", press the stop on entering the Gamma setting, rocker set the Gamma to level I, level II, III, IV, v-class, standard.

D1.Special setting



A2. move the cursor to the "dynamic", set the aperture opening into a wide dynamic, rocker arm up and down to select parameters, can be set to "off/on/auto"

B2. Move the cursor to "high sensitivity", press the stop on entering the high sensitivity setting, rocker arm up and down to select parameters, can be set to "off/on".

C2. Move the cursor to "slow exposure", press the stop on entering the slow exposure settings, rocker arm up and down to select parameters, Can be set to "off level 11\10\9\8\7\6\5\4\3\2\1".

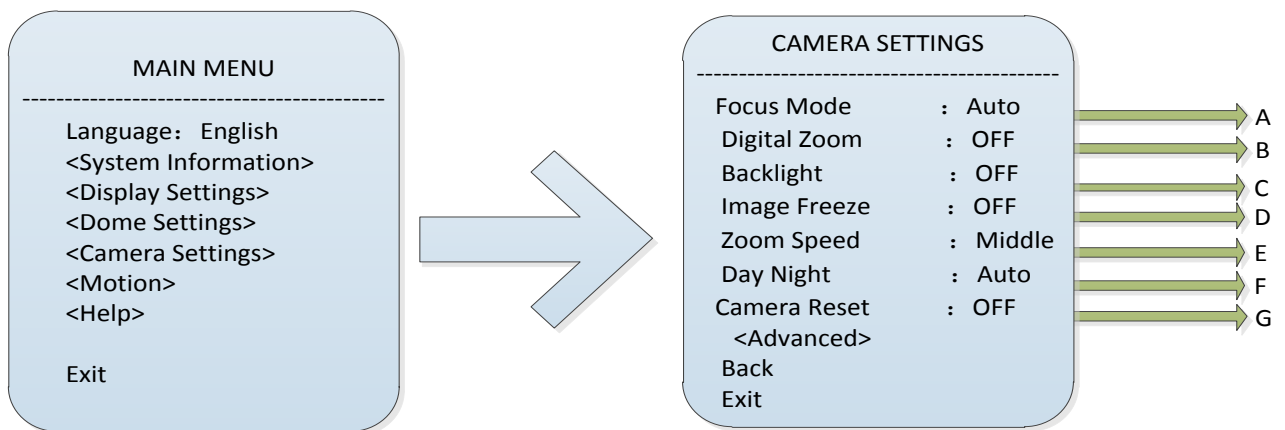
D2. Move the cursor to "image noise", press the stop on entering the image noise reduction settings, rocker arm up and down to select the parameter can be set to "off level 5/4/3/2/1".

E2. move the cursor to "mirror image", set the rocker as aperture opening into the image flip up and down to select parameters, can be set to "off/on".

F2. Move the cursor to "aperture setting", press the stop on entering the sharpness setting, rocker arm up and down to select the parameter can be set to 00~15.

G2. Move the cursor to "Ir correct", press the stop on entering IR correction settings, rocker arm up and down to select the parameter can be set to turn on/off.

1.3 million camera set (fog):



A. focus mode

Move the cursor to "focus mode", press IRIS open to enter focus mode setting, rocker arm upper and lower automatically, select manual mode.

B. Digital Zoom

Move the cursor to "Digital Zoom" and click set aperture opening into the spotlight type, rocker arm up or down close, spot light, integrated and low light settings.

C. Backlight compensation

Switch settings. When the image brightness of the screen low, open the brightness of the backlight compensation to improve webcam.

D. Zoom speed

Move the cursor to "zoom speed", according to the aperture opening into the zoom speed

setting mode, joystick up or down to select the camera's zoom speed to be set to "low", "medium", "high speed".

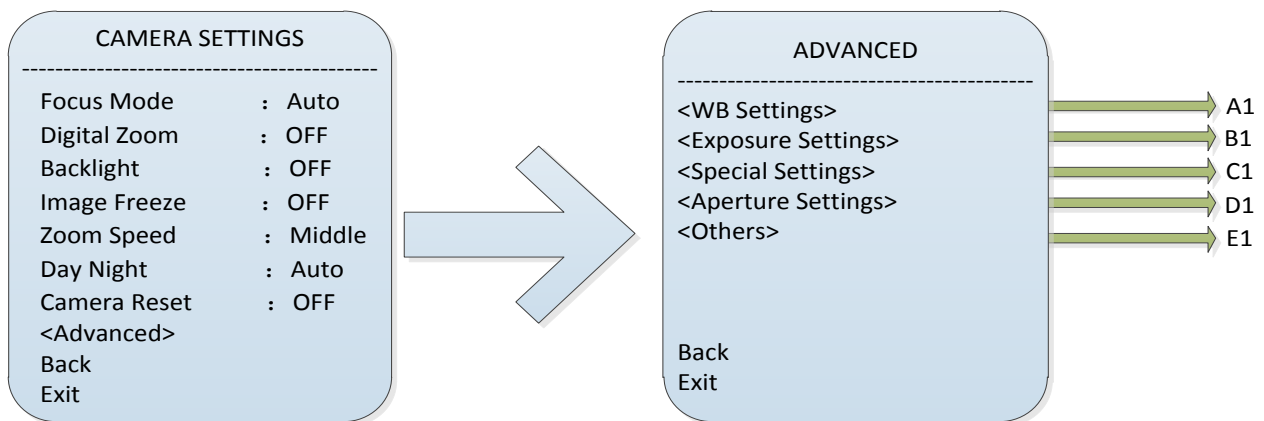
E. Day and night conversion

Move the cursor to "transform day and night", converted as the Aperture open access day and night setting modes, joystick up or down to select the camera for day and night mode to be set to "auto", "color", "black and white".

F. Camera Restart

Select camera factory-set to "open", the system will restore the camera parameters to factory settings.

G. Advanced

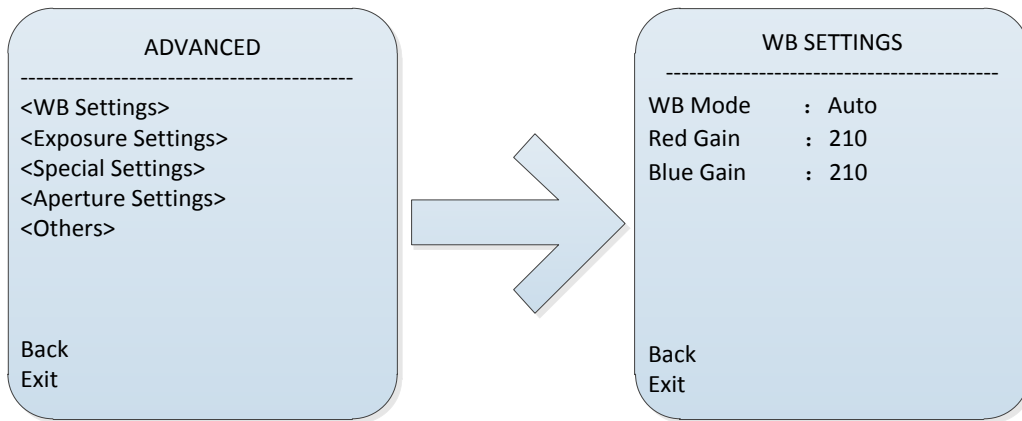


A1. white balance mode

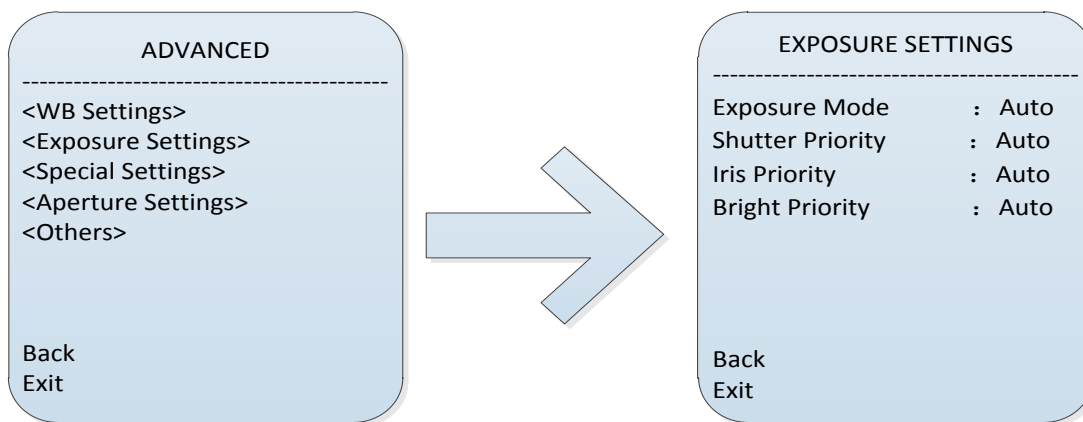
Move the cursor to "white balance mode", press the aperture opening into white balance setting mode, rocker bottom can be set to "auto/manual".

When the white balance mode to manual when the r, b gain value can be adjusted: move the cursor to "r gain" by IRIS on entering r-gain setting mode, rocker set r-gain value.

Move the cursor to "b gain" by IRIS on entering the b gain settings mode, rocker sets b gain value.



B1.Exposure mode



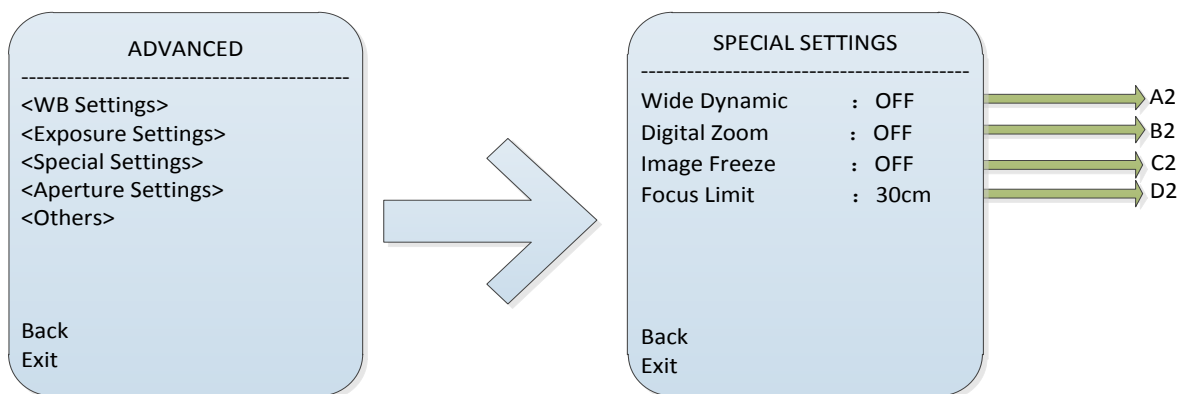
Move the cursor to "exposure mode", press the stop on entering the exposure mode set, rocker bottom can be set to "auto-brightness/priority/aperture priority/shutter priority"

As for shutter priority exposure mode State, move the cursor to "shutter priority" by IRIS on entering setup mode, rocker set shutter value up or down.

When the exposure mode to aperture priority when moving the cursor to "Aperture priority" by IRIS on entering setup mode, rocker set the aperture value.

Brightness priority status when the exposure mode, move the cursor to "brightness priority" by IRIS on entering setup mode, rocker set brightness value .

C1 Special setting



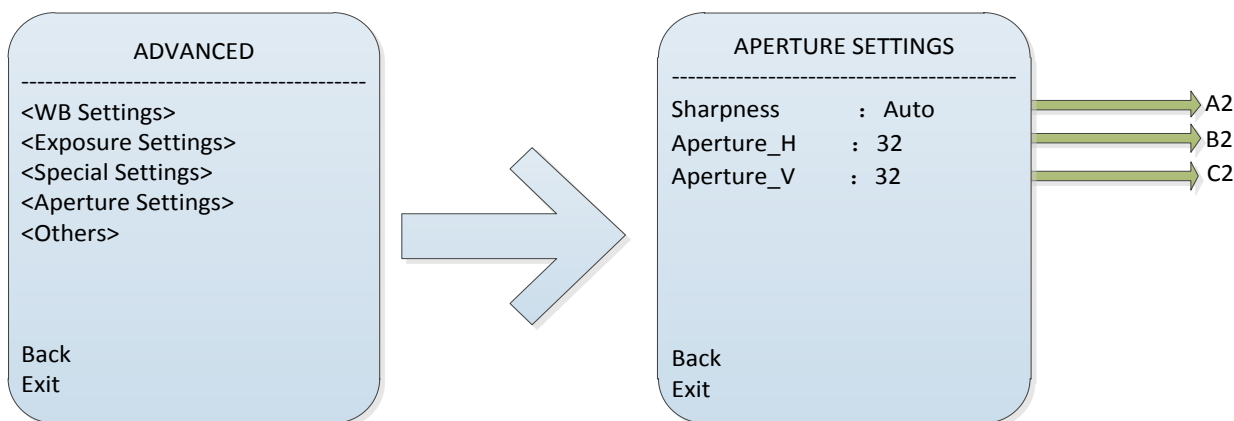
A2. move the cursor to the "dynamic", set the aperture opening into a wide dynamic, rocker arm up and down to select parameters, can be set to "off/open".

B2. move the cursor to "digital zoom", press the IRIS on entering the digital zoom setting, rocker arm up and down to select parameters, can be set to "off/on".

C2. move the cursor to "image freezing", set the aperture opening into the image to freeze, rocker arm up and down to select parameters, can be set to "off/open".

D2. Move the cursor to "minimum focus distance", set the aperture opening into the minimum focusing distance, rocker arm up and down to select parameters, can be set to "1cm/10cm/30cm/1M/1.5M".

D1. Aperture setting



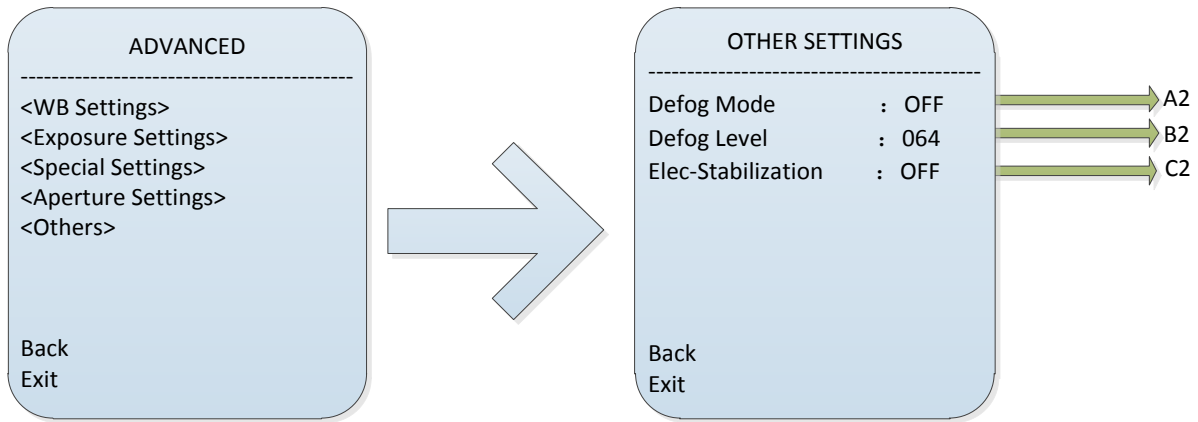
A2. Move the cursor to "sharpness", press the stop on entering the sharpness setting, rocker arm up and down to select parameters, can be set to "auto/manual".

B2. when manual is sharpening, move the cursor to "horizontal", set the aperture opening into the horizontal resolution, rocker arm up and down to select the parameter can be set to 00~64.

C2. When manually is sharpening, move the cursor to "vertical resolution", set the

aperture opening into the vertical resolution, rocker arm up and down to select the parameter can be set to 00—64

E1.Others

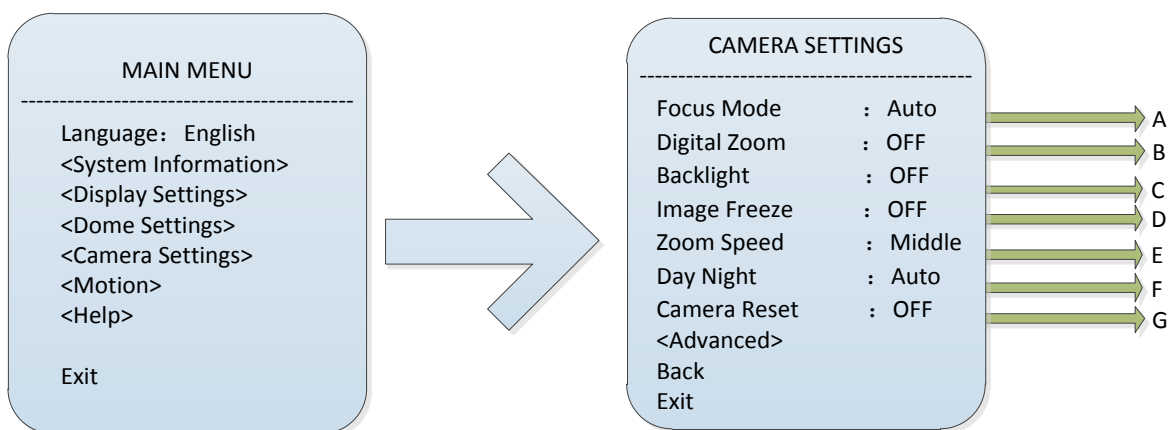


A2. Move the cursor to "through the fog mode", press the stop on entering through the fog mode setting, rocker arm up and down to select parameters, can be set to "1~5-level and closed".

B2. when coming through the fog mode when it is not closed, move the cursor to "fog", press the stop on entering through the fog level.

C2. move the cursor to "electronic image stabilization", press IRIS open access electronic anti-shake setting, rocker arm up and down to select the parameter can be set to turn on/off.

1.3MP Camera setting:



A. focus mode

Move the cursor to "focus mode", press IRIS open to enter focus mode setting, rocker arm upper and lower automatically, select manual mode.

B. Digital Zoom

Move the cursor to "Digital Zoom" and click set aperture opening into the spotlight type,

rocker arm up or down close, spot light, integrated and low light settings.

C. Backlight compensation

Switch settings. When the image brightness of the screen low, open the brightness of the backlight compensation to improve webcam.

D. Zoom speed

Move the cursor to "zoom speed", according to the aperture opening into the zoom speed setting mode, joystick up or down to select the camera's zoom speed to be set to "low", "medium", "high speed".

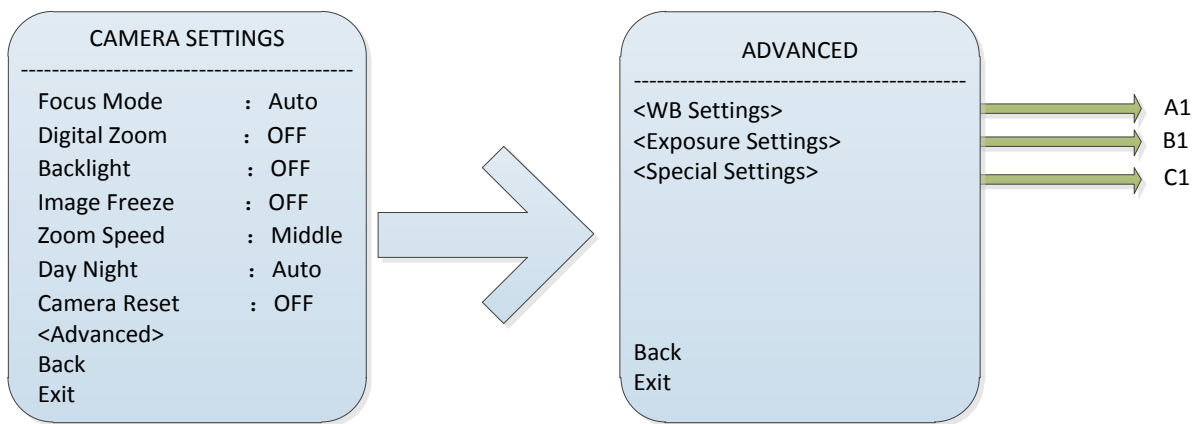
E. Day and night conversion

Move the cursor to "transform day and night", converted as the Aperture open access day and night setting modes, joystick up or down to select the camera for day and night mode to be set to "auto", "color", "black and white".

F. Camera Restart

Select camera factory-set to "open", the system will restore the camera parameters to factory settings.

G. Advanced

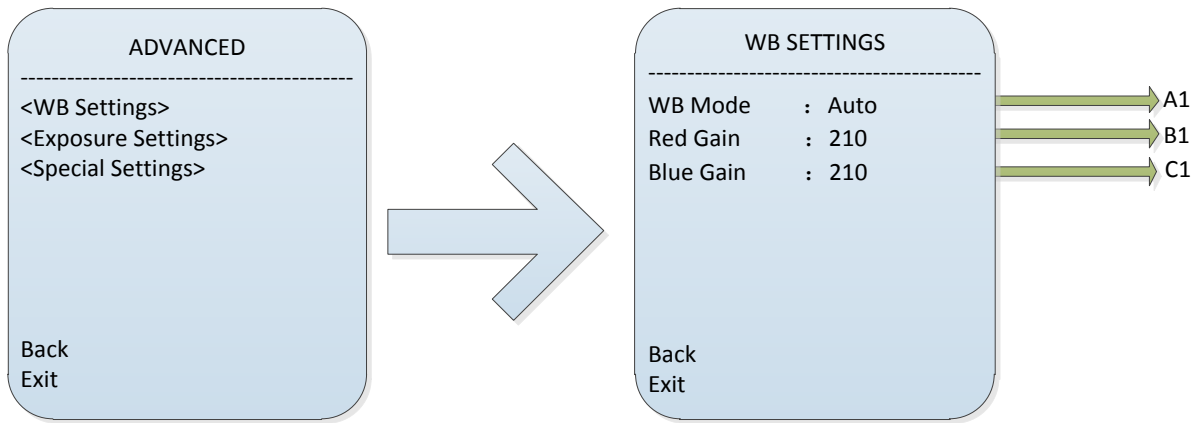


A1. white balance mode

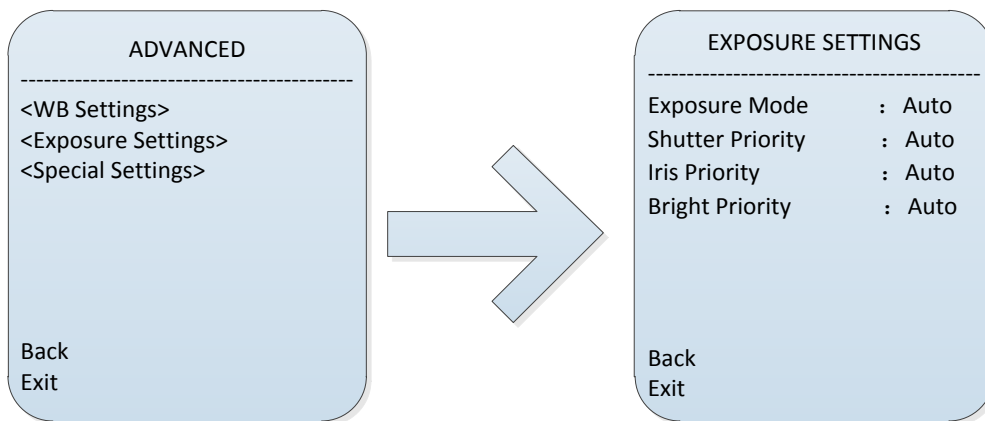
Move the cursor to "white balance mode", press the aperture opening into white balance setting mode, rocker bottom can be set to "auto/manual".

When the white balance mode to manual when the r, b gain value can be adjusted: move the cursor to "r gain" by IRIS on entering r-gain setting mode, rocker set r-gain value.

Move the cursor to "b gain" by IRIS on entering the b gain settings mode, rocker sets b gain value.



B1.exposuremode



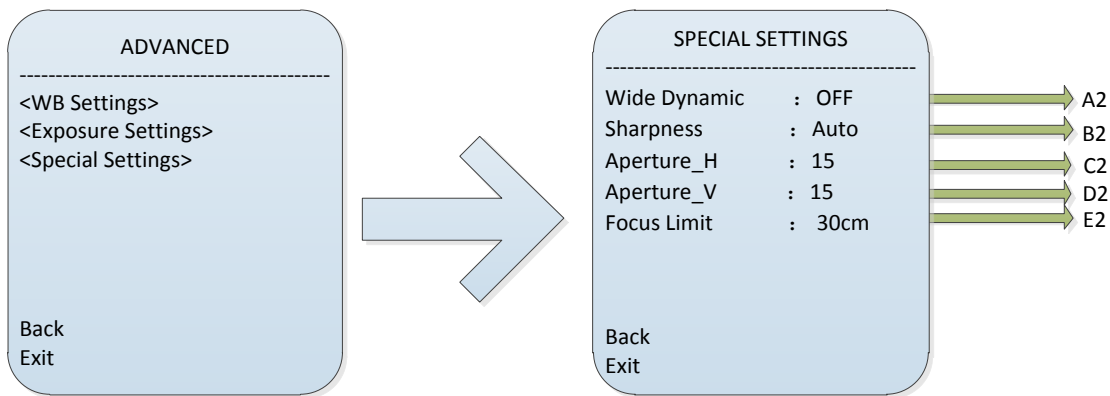
Move the cursor to "exposure mode", press the stop on entering the exposure mode set, rocker bottom can be set to "auto-brightness/priority/aperture priority/shutter priority"

As for shutter priority exposure mode State, move the cursor to "shutter priority" by IRIS on entering setup mode, rocker set shutter value up or down.

When the exposure mode to aperture priority when moving the cursor to "Aperture priority" by IRIS on entering setup mode, rocker set the aperture value.

Brightness priority status when the exposure mode, move the cursor to "brightness priority" by IRIS on entering setup mode, rocker set the brightness values.

C1.Special settings



A2. move the cursor to the "wide dynamic", set the aperture opening into a wide dynamic, rocker arm up and down to select parameters, can be set to "off/open".

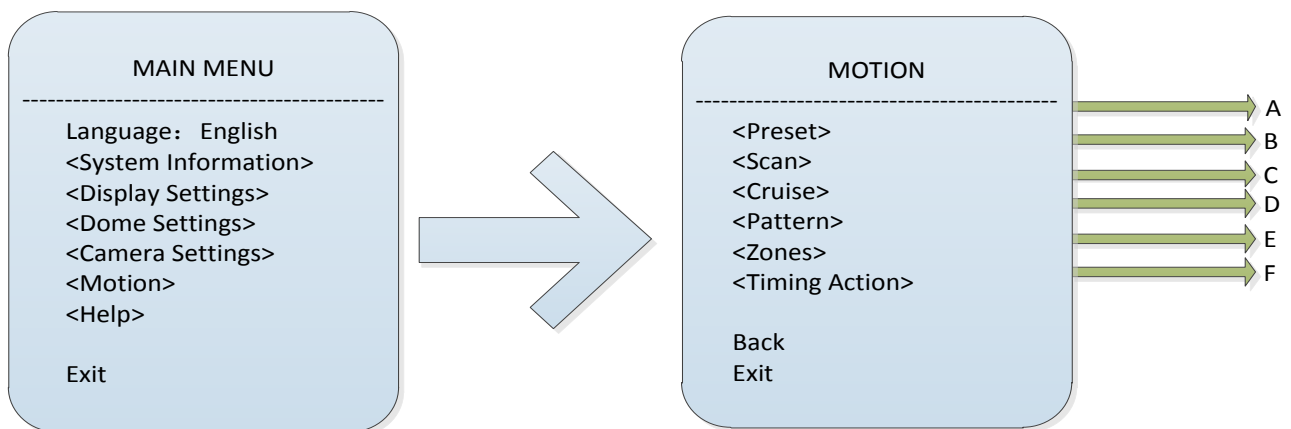
B2. move the cursor to "sharpness", press the IRIS on entering the sharpness setting, rocker arm up and down to select parameters, can be set to "off/on".

C2. when manual is sharpening, move the cursor to "horizontal", set the aperture opening into the horizontal resolution, rocker arm up and down to select the parameter can be set to 00~64.

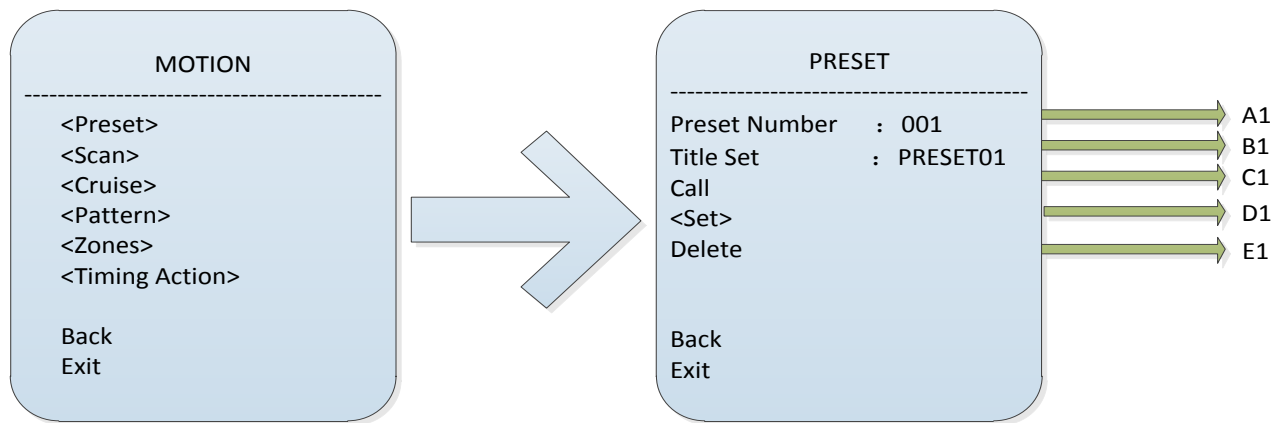
D2. When manually is sharpening, move the cursor to "vertical resolution", set the aperture opening into the vertical resolution, rocker arm up and down to select the parameter can be set to 00—64

E2. Move the cursor to "minimum focus distance", set the aperture opening into the minimum focusing distance, rocker arm up and down to select parameters, can be set to "1cm/10cm/30cm/1M/1.5M".

Motion



A:Preset positions



A1. Preset number

Move the cursor to "preset", press the stop on entering setup mode, preset, rocker, preset up and down Settings. Ball machine supports a total of 220 preset positions, 1-64%.

B1. Title set

Move the cursor to "headers", press the stop on entering the preset position settings submenu, preset bit set. Note: the current title set is on the WEB.

C1. call

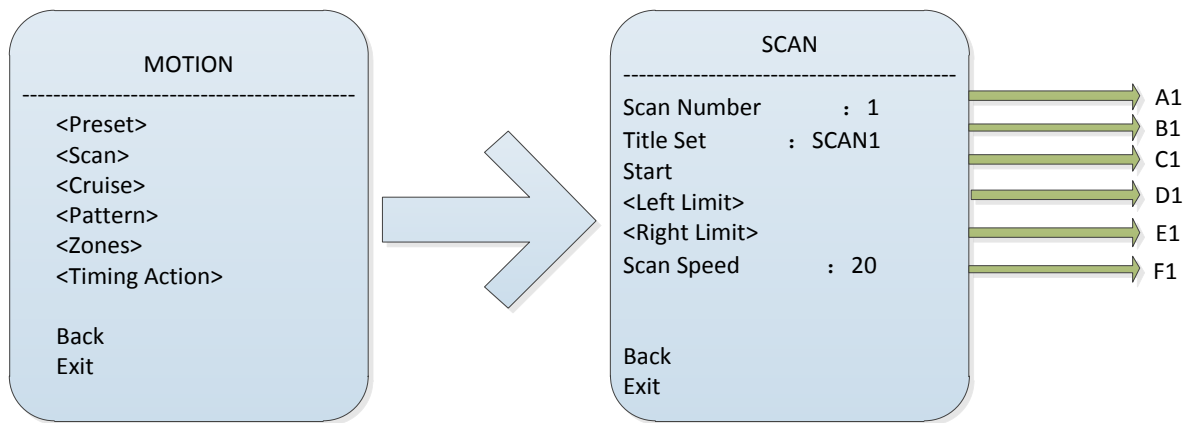
Move the cursor to "call", press the stop on call corresponds to a set of presets.

D1. Set the aperture opened enter preset position setting mode, appears on the screen "press IRIS open to confirm ...". Users can operate on the dome, reaches the desired position and press the aperture set to store the current position.

E1. Deleted

Move the cursor to "delete", press the aperture on correspond to the preset preset number.

B: Automatic scanning



A1. Scan Number

Move the cursor to "scan group number" setting mode press the IRIS on entering the scan group number, rocker arm to scan up and down group Settings. Supports 8 ball leads the Group scan path.

B1. Title set

Move the cursor to the "headings" title by the aperture opening into the scan path settings submenu, path header settings for scanning. Note: the current title set is on the WEB.

C1. Start

Move the cursor to "Start scan", press IRIS open to initiate a scan path, scan group.

D1. Left Limit

Move the cursor to "set the left edge" and click stop on-access scan set left border mode, appears on the screen "press IRIS open to confirm ...".Users can operate on the dome, reaches the desired position and press the aperture opened to store the current path to the location to scan to the left edge.

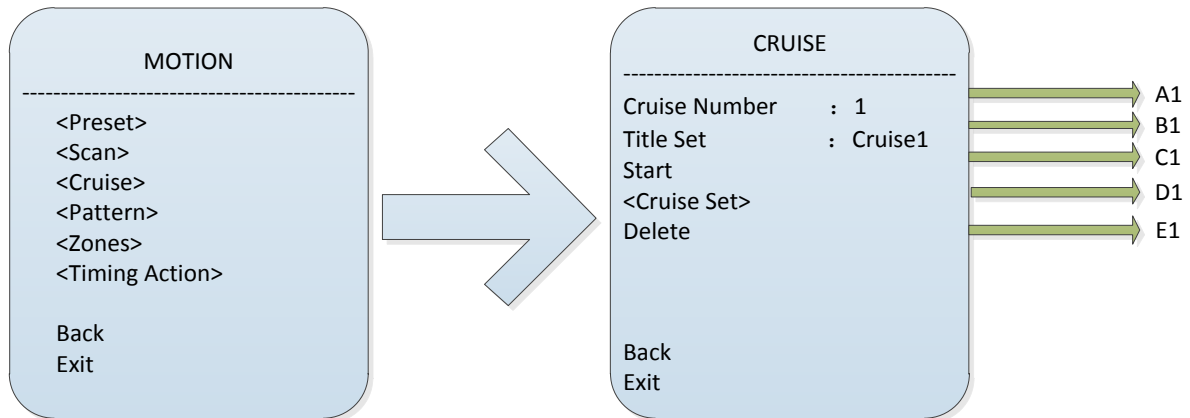
E1. Right Limit

Move the cursor to "set right" right edge press the stop on-access scan settings mode, appears on the screen "press IRIS open to confirm ...".Users can operate on the dome, reaches the desired position and press the aperture opened to store the current path to the location to scan the right border.

F1. Scan speed

Move the cursor to "scanning speed", press stop on-access scan speed setting mode, rocker arm upper and lower speed level set, speed 1-30 adjustable

C: Cruise



A1., cruise group

Move the cursor to "sweep the cruise group," press the IRIS on entering setup mode, cruise group, rocker, cruising up and down group

Settings. Supports 8 ball leads a group cruise route.

B1. Title settings

Move the cursor to the "headings" title by the aperture opening into the cruise path settings submenu, cruising path header settings. Note: the current title set is on the WEB.

C1. Start cruising

Move the cursor to "start the cruise", press IRIS open to initiate a cruises group cruise path.

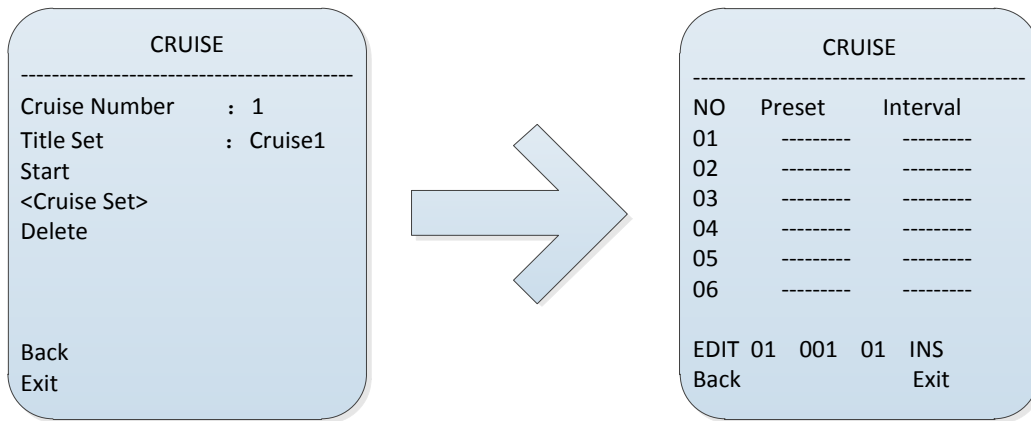
D1. Cruise Set

Move the cursor to "Edit series", press the stop on entering the cruise series Edit submenu.

E1. Delete

Move the cursor to "delete", press the aperture on delete cruises group cruise path.

D1:Cruise Set



Move the cursor to "editing" sequence press IRIS open to enter edit mode, rocker about selecting the Edit option.

a. When the bracket is in ordinal position, add the analog stick up and down to select the preset number 1-32.

b. When the angle brackets is preset position, rocker arm up and down to select the corresponding preset position of the serial number you need to add.

c. When the bracket is in the right time, rocker arm up and down to select the edit status, namely, "insert", "OK", "delete".

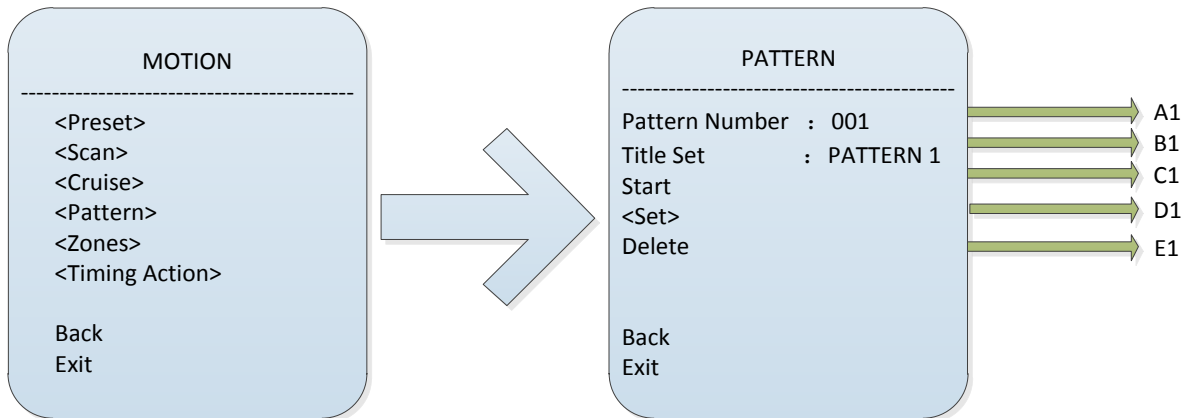
In the "insert" State by aperture space, the sets the ordinal position of the current record will be inserted, after this record will move down in turn.

"OK" State press the aperture on the key, the current record set by ordinal location record will be overwritten.

In the "deleted" State by aperture space, sets the ordinal position of the record will be deleted.

Sequence press the stop key to exit the edit mode.

D:Pattern



A1. mode path group

Move the cursor to "mode path group number" in Aperture opening into the path group setting mode, rocker mode path group, setting up or down. Ball machine total supporting 8 pattern path.

B1. Title settings

Move the cursor to the "headings" title by the IRIS on entering mode path settings submenu, mode path header settings. Note: the current title set is on the WEB.

C1. startup path. Move the cursor to "start mode path" by IRIS on path to initiate a pattern group number mode path.

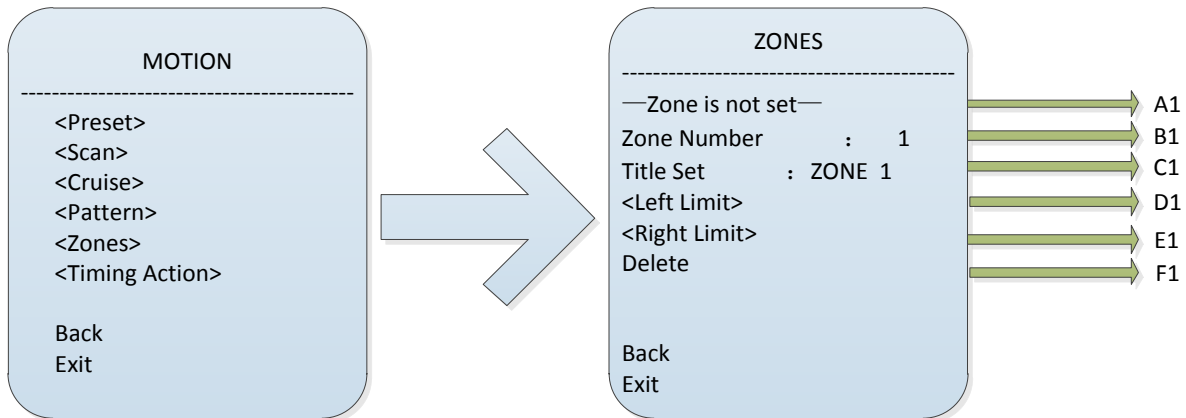
D1. set

Move the cursor to "set", in Aperture opening into the set mode, users can operate on the machine and ball machine will record user actions, users press the aperture on the key end mode path is set, at the same time if the progress bar when the expiration time or record to (dome records of maximum support for 180 seconds), the mode and path settings will automatically end.

E1. Delete

Move the cursor to "delete", by IRIS on path group deletes the corresponding mode number mode path.

E:Zones



Timed run: refers to a user-specified time periods, perform pre-programmed functions, such as preset, the cruise path path, mode, and scan.

A1. region indicate state information.

B1. regional group number

Move the cursor to "regional groups" aperture setting mode, open access to regional groups, sets, rocker bottom for regional groups. Dome area indicates the total supporting 8 group.

C1. Title settings

Move the cursor to "headers", as the Aperture open access to regional direct title settings submenu, zone indicates that the title is set. Note: the current title set is on the WEB.

D1. Set the left border

Move the cursor to "set the left edge" by aperture space into regions indicates that left border setting mode, appears on the screen "press IRIS open to confirm ...".Users can operate on the dome, reaches the desired position and press IRIS open-storing the current location for the area indicates that left border.

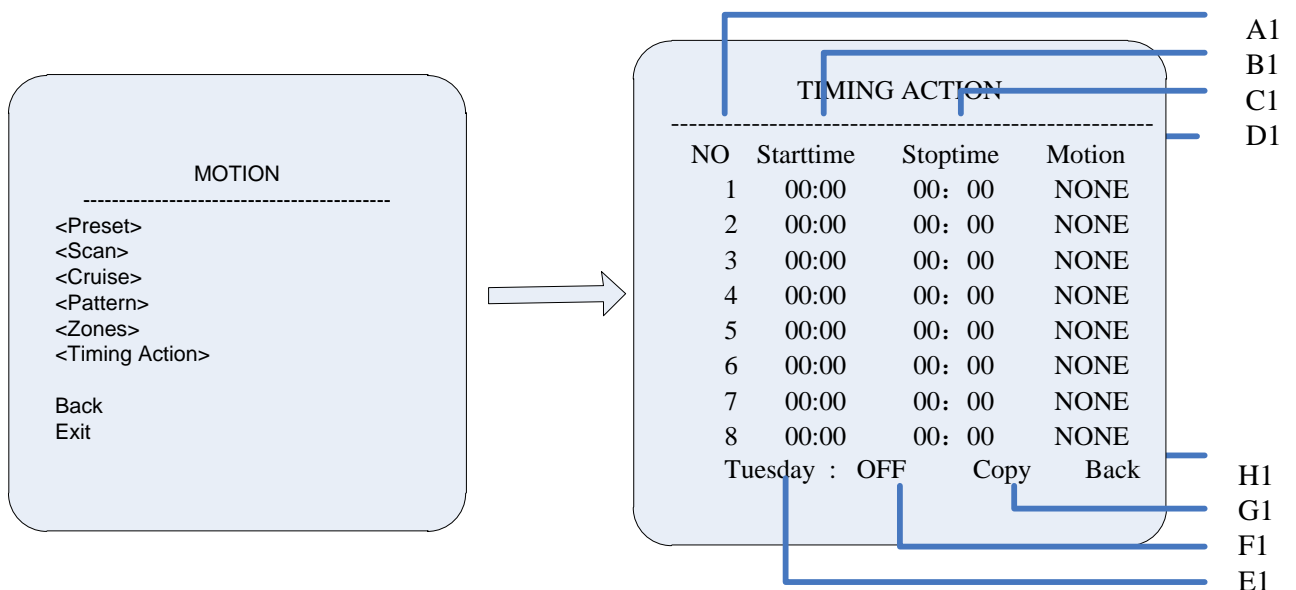
E1. Set right margin

Move the cursor to "set right", press the stop key to enter the area indicates that open borders to set mode, appears on the screen "press IRIS open to confirm ...".Users can operate on the dome, reaches the desired position and press stop key stores the current location for the area indicates that open borders.

F1. Delete

Move the cursor to "delete", press the aperture on corresponds to a region, regional groups.

F:Timing Action



Timed run: refers to a user-specified time periods, perform pre-programmed functions, such as preset, the cruise path path, mode, and scan.

Move the cursor to the desired setting, press IRIS open enter the time setting mode, editing in the joystick left and right to select the desired start time, end time, linkage function, respectively. Rocker bottom to edit the current content, press IRIS open to confirm settings.

A1.

Timing function is divided into 7 days a week, can be set to 8 hours a day, joint action can be set separately for each period: no action, preset, scan, 1-8, cent, mode path 1-4 the cruise path.

B1. start time

Set current time, start time of a specified function is executed under.

C1. end time

Set during the current session, the end time of a specified function is executed under.

D1. linkage function

Sets the current function performed within the time period, can be set to: no action, preset, scan, 1-8, cent, mode path 1-4 the cruise path.

E1: the timed run state control

Move the cursor to this bar, press IRIS open to "on/off" setting, to enable timed run to open and close function.

F1: week settings

By IRIS on entering setup mode, rocker arm up and down to select: "Monday" ~ "Sunday".

G1: timed run set up replication function

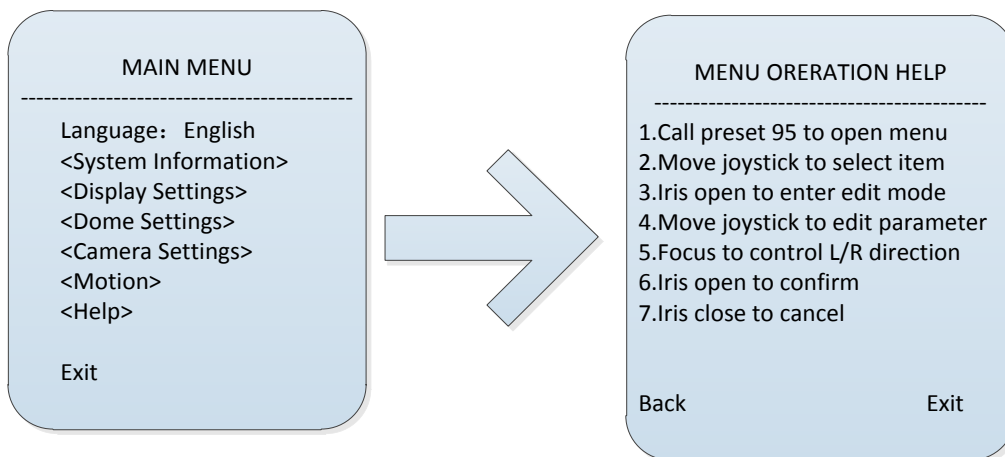
7 days a week, can be set separately, or you can just set "Monday", other dates through this feature to copy them one by one, so as to achieve flexible and efficient input methods.

H1: move the cursor to this, Aperture opening you up one level.

Notes:

Time overlap settings do not allow the various periods of time, and does not allow time period spans 00:00. Run when you run the function by the guards, if the scheduled time is up, you interrupt the currently running and scheduled runs function. During a scheduled run time period, user action machine, will interrupt a timed run feature, such as no action within a specified time, and timing function at the current time period, scheduled runs function again.

Help



Aperture opened to display help information about the menu.

Chapter 7 Specifications

| | |
|---|---|
| Power supply | DC/AC 24V±10% |
| Power consumption | 50W |
| Manual speed | 0.1°~200° (Continuously variable) |
| Preset accuracy | ±0.1° (Typical) |
| Decoder | Built-in |
| Synchronization mode | Internal sync |
| Auto scan | 8 |
| Auto tour | 8 |
| Pattern | Learning path to 180 seconds |
| Motor | High accuracy stepping motor |
| Focus speed automatic matching function | Control of speed automatically according to the focal length adjustment |
| Automatic horizontal scan | 360°Can be set |
| Horizontal rotation angle | 360°endless |
| Vertical rotation angle | -11°-- +90° |
| Control mode | Network control |
| Baud rate | 2400/4800/9600/115200 BPS |
| Heater | Heater starts automatically |
| Working temperature | -40°C ~ +60°C |
| Working humidity | 0~95%(No condensation) |
| | |

Chapter 8 Simple Problem-solving Methods

| symptom | Possible causes | Solutions |
|---|---|--|
| Power on no action, No images, Machine is not self checking | Power supply is damaged or not enough power | Replace the power supply |
| | Power cable fault | Corrected |
| | Line problems | Troubleshoot line |
| Self action properly, But no video | Network parameters are not set correctly, no networking | Ping the IP pathway is normal for the device to ensure that fall within IP and control devices on the same network segment |
| | Network plugin settings are not correct | References the fifth chapter ' network settings ' section correctly install plug-in |
| | Camera is damaged | Replace the camera |
| Image is not stable | Not enough power | Replace the power supply |
| machine out of control | Self test abnormal | On the back |

Chapter 9 After-sales Service

The HD Network IR speed dome products, the company offers one-year warranty. Product warranty, the company provides a free service, but if any of the following circumstances, is charged fee for material costs work:

Do not operate in accordance with the provisions of the manual speed ball damage caused by a case of the

Lightning strikes, fires and irresistible natural disasters;

Matching problems arising from poor design to other manufacturers products cause damage;

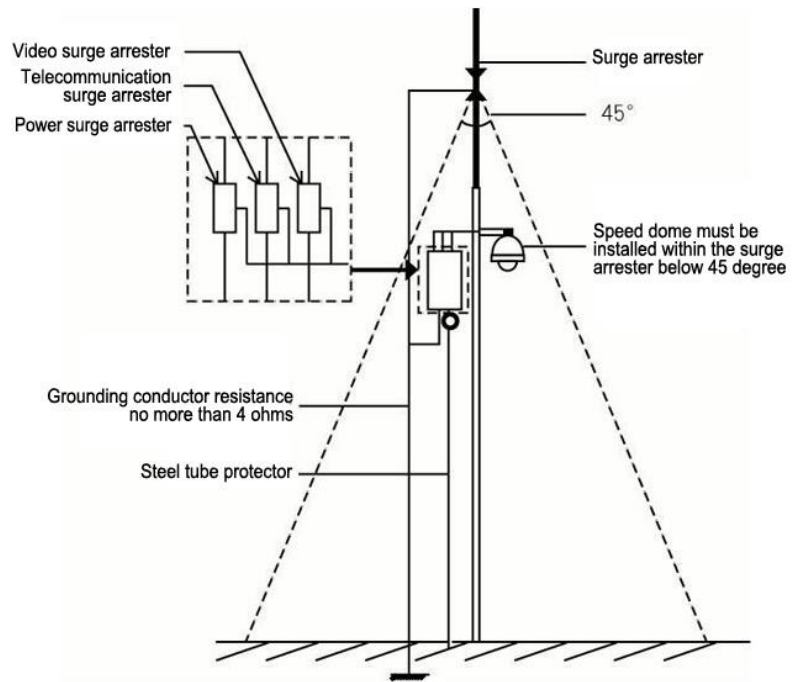
Company statement

As we continue to introduce new technologies and product specifications are subject to change without prior notice.

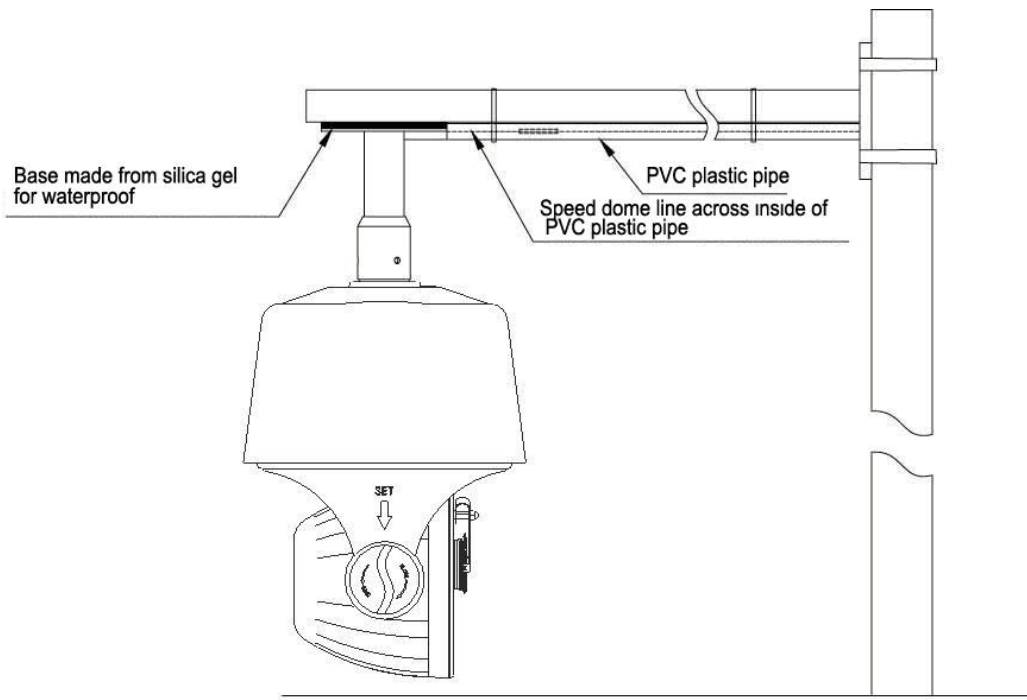
Appendix I Lightning and Surge

Outdoor Dome Camera need to consider lightning, anti-surge, on the premise of ensuring electrical safety, may take the following measures:

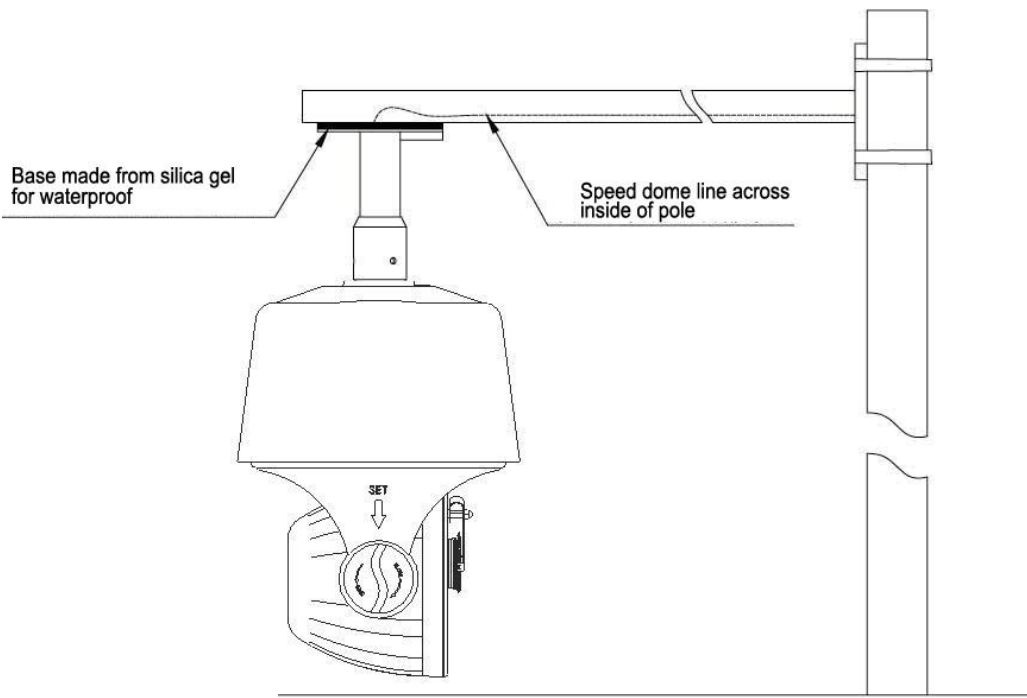
- Signal transmission lines and high voltage equipment or high voltage cables must be at least 50 meters distance between;
- Try to choose outdoor wiring along the eaves line;
- For open field must be sealed steel tubes buried cabling, grounding and steel pipe, the absolute prohibition of the use of overhead wiring;
- In areas of severe thunderstorm or high-voltage area (such as high-voltage substations), lightning protection equipment, as well as for additional installed power must be taken measures such as installing lightning rods
- Outdoor lightning protection and grounding design of devices and circuits must be combined with building mine requires unified consideration and in accordance with the requirements of the relevant national standards, industry standards;
- System must be equipotential earthing. Earthing system anti-interference must be met and the dual requirements of electrical safety, and shall not be mixed with strong power network neutral wire shorted or. Separately when grounding, grounding impedance less than 4 ohms, ground wire cut-area must be not greater than 25mm² lines shorted



Appendix II: Hoisting construction Guide

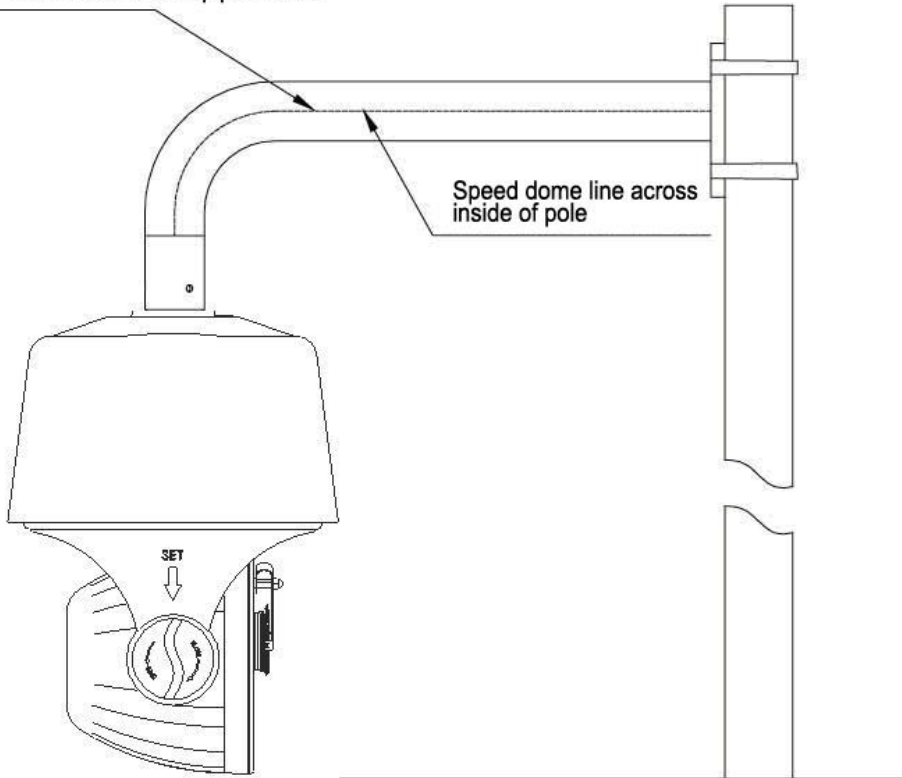


Pendent mount bracket outdoor waterproof construction scheme I



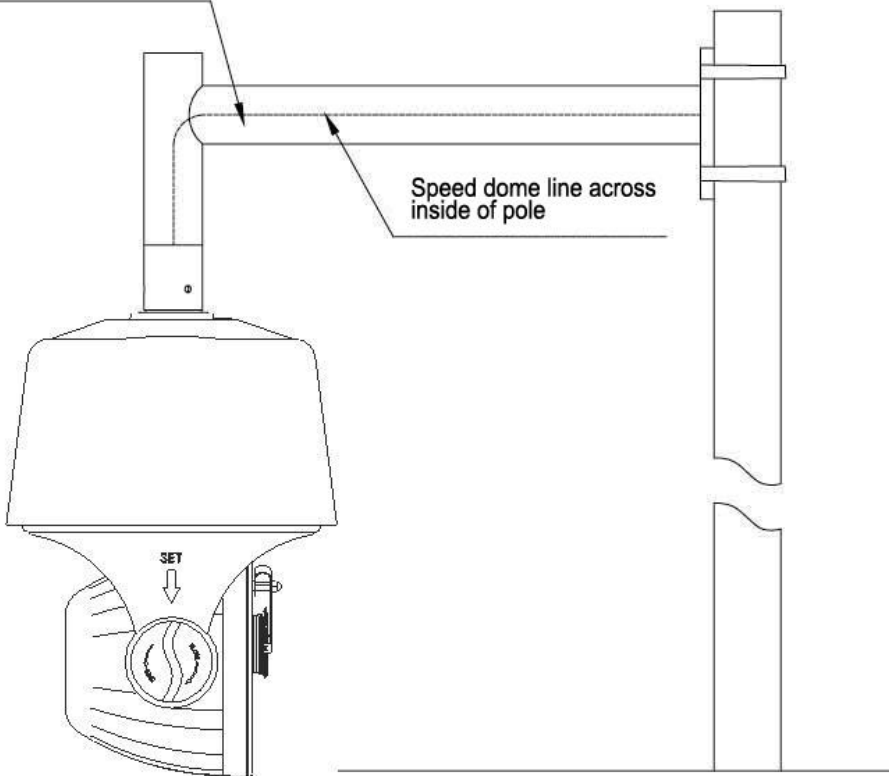
Pendent mount bracket outdoor waterproof construction scheme II

Customer homemade bent pipe bracket



Pendent mount bracket outdoor waterproof construction scheme III

Customer homemade bent pipe bracket



Pendent mount bracket outdoor waterproof construction scheme IV