MIN HIGH SPEED DOME CAMERA

User's Manual

Before attempting to connect or operate this product, please read these instructions completely

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Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a used, caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip over.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or been dropped.

CAUTION

To prevent damage which may result in fire or electric shock hazard, do not expose this appliance to rain or moisture. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions.

1) This device may not cause harmful interference.

2) This device must accept any interference that may cause undesired operation.

CAUTION:

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer.

Dispose of used batteries according to the manufacturer's instructions.

INTRODUCTION

Function Description

High Speed Dome Camera is an all-in-one high-tech monitoring product, which integrates high-definition color video camera, universal gear change pan-tilt and multi-function decoder, CPU processor. This product furthest reduces the processes of connection an installation between system reliability. Also the video camera is very easy to install and maintain, has many features, such as perfect shape, legerity and convenience, simple operation and etc.

1. Integrate multi-function decoder

Built-in decoder consists of multi-protocol and communications protocol. Communication serial baud rate is adjustable. Using the simple finger-switch inside the Dome device, the products can be compatible with kinds of systems and has very high commonality.。

2. Integrate full-view rotary station

Horizontal 360°unlimited continuous rotation and rotation rate can be adjusted from 0.1 ~240°per second continuously（Manual speed）. Vertical rotation range is 0~90°and rotation rate can achieve0.1~90°/s.

3：Intelligent power-off memory operation

a. Design ideally ,Auto-flip to follow object。

b. Provides 128 preset points.

c. Provide setting of scanning track and select scanning track function.

d. Four groups of scanning tracks: Every group of scanning track can set Max. 16 preset positions. If camera self support OSD menu function. It can open completely when using.

e. Integrate multiple camera protocol. Support Max.5 different Brands cameras.

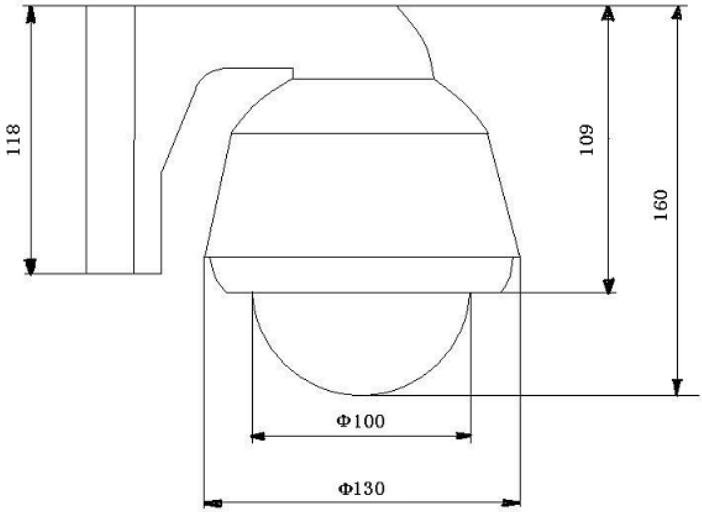
f. Integrate multiple protocols: multi-communication protocol. Transmission rate Selectable from 1200bps to 38400bps

g. Self-test can allow to store track that user edits arbitrarily and information power-off memory.

h. RS485 serial control, address of Dome device is from 1~255.

i. Built-in surge and lightning strike protective equipment.

DRAWING



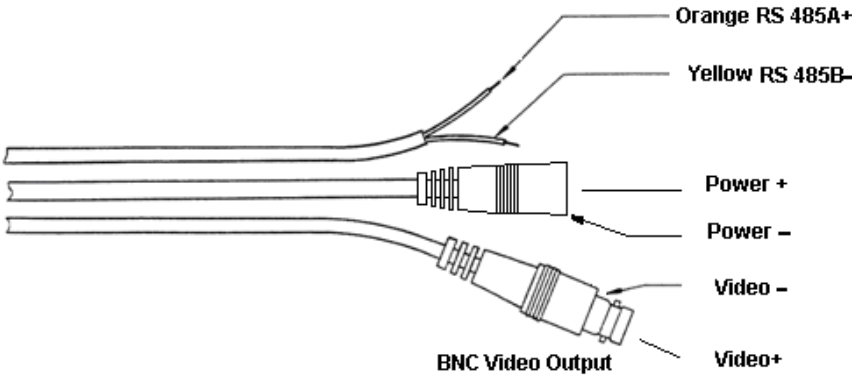
CONNECTIONS

Precautions

- **The following connections should be made by qualified service personnel or system installers in accordance with all local codes.**

1、 Before installing please read the instructions, of the unknown, please contact seller.

2、 Connections (Figure)



Note: When powered up, the dome device performs a self-check (including one panning, tilting, zooming and focusing operation).

If control wire of RS485 connects by the connective box, it can connect as RS485A+ with Orange wire, RS485B- with yellow wire.

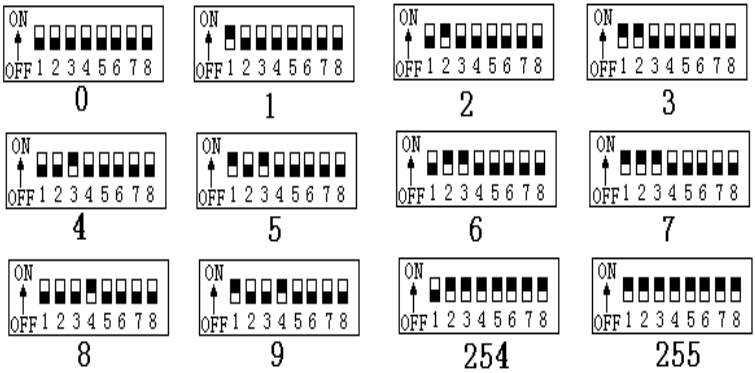
Installation

1. On shield of protection, is trying to gain and installation to avoid scratches spherical transparent and clean.
2. Choose the appropriate installation method. Speed dome camera must be installed at the scaffold on a stable and reliable, the installation should be in accordance with the requirements of surveillance scenes to make the largest screen monitor, and monitor the clearest images.
3. Choose the best installation location, if possible to be able to minimize sun, rain, avoid dust. Speed dome camera must be the work of the warming; we should try to avoid the scorching sun exposure.
4. Power supply should be selected with high-speed dome camera matching power to ensure the normal operation of the speed dome camera and long-term stability. Line voltage power supply to consider wear and tear, a sufficient number of current job
5. Auxiliary equipment. As the project was also asked to consider applications environmental conditions, such as at night to clear the recorded image, then on the need to increase the environmental illumination.
6. Avoid interference. Communications and video signal cables have to be asked to avoid electromagnetic interference, such as power transformers, high-power electric motors or generators, high voltage generator, pulse generator and other facilities, and these two signal lines have to wear steel pipe laying, and strong Level voltage electric lines, with the regulatory requirements to maintain spacing.

ID Code Setting

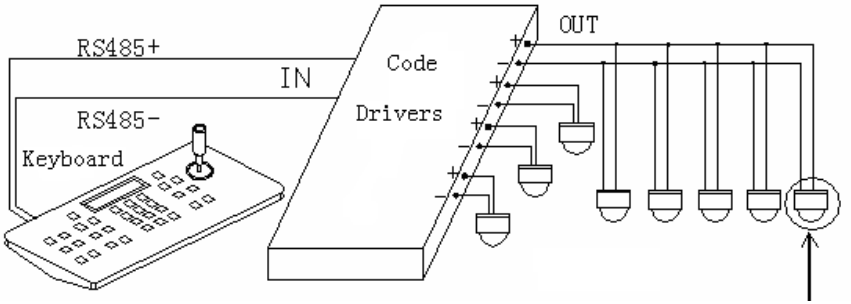
The ID code setting set by 8 digital-switch, address of speed dome camera is from 1~255, about the Stir code of addresses 1~128, pls see the Appendix Ⅰ. There are the parts of Stir code of addresses .Setting as below picture

(Other, please turn on and so forth in accordance with the binary)：



Note: Black pane is the position of the key .Please power- off before setting.

NOTE: If the Control Wire parallel connection many speed dome camera the forest dome camera, you should connect JM1 which is in RS485 interface of main control board .If the distance is very far ,you also should do as above operation .Detail connect ,according to white line on the main control board.



Connect JM1 which is in RS485 interface of main control board.

PROTOCOL SETTING

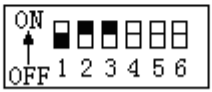
Protocol of this speed dome could transfer and freedom option by the six key switches section 1, 2 and 3. Below is the detail of setting protocol:

Pelco D

Pelco P

KALATE

SAMSUNG



DH-SD1

Tiandy

Commonly used baud rate (bps)：Pelco P/4800/9600；Pelco D/2400.

SETTING BAUD RATE OF DOME CAMERA

Set baud rate of this speed dome camera by the six key switches section 4 and 5 to select. Set as following:

1200

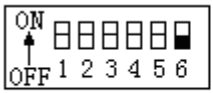
2400

4800

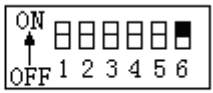
9600

SETTING PROTOCOL OF ZOOM CAMERA

Set zoom camera's protocol of this speed dome camera by six of the last switch. Setting as following:



Samsung



Mintron/Sony

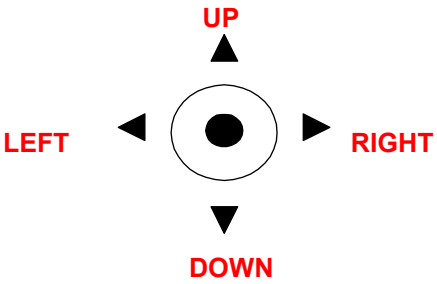
OPERATION (Default protocol PELCO-D/2400)

The speed dome camera can be controlled remotely horizontal and vertical movement. It is used with a system controller, separately. It is controlled remotely from the controller through a serial connection to the RS-485 connector using a twisted-pair cable.

Conventional Function

1. Pan / Tilt Function

The pan function will move the camera on all horizontal planes, to surveillance position. The tilt function will move the camera on a vertical plane, to surveillance position. The speed is variable according to the angle of joystick.



2. Zoom Function

2.1 The filming range can be set using the zoom function.

Press TELE the LCD displays Zoom Tele

Press WIDE the LCD displays Zoom Wide

Note： When zoom in is bigger, the speed of control joystick came slow. Otherwise, zoom out small, with faster speed.

2.2 Iris Function

Iris is AUTO。

3. Preset Memory

The preset memory function will memories camera positions and zoom, focus, etc. Setting up to 128 preset camera positions can be memorized. Later, you can easily recall any of the preset camera positions by entering its corresponding number, and the camera will move the memorized position with all the preset settings.

3.1 To set a preset position

SET + N + ENTER

N: the number of preset position: 1~128

3.2 To call a preset position

When camera positions have been set, you can enter a memorized camera position number.

Preset + N + ENTER

N: the number of preset position: 1~128

4. **Delete a preset position**

[PRESET]+ [N] + [OFF]

N: the number of preset position: 1~128

5. **To call cruise tracks：**

[PRESET]+32+[ENTER]

This command can call the No.1cruise tracks. It can scan preset points no.1 ~ 16. **[PRESET]+53+ [ENTER]**

This command can call the No.2cruise tracks. It can scan preset points no.17 ~ 31.

[PRESET]+49+ [ENTER]

This command can call the No.3cruise tracks. It can scan preset points no.33 ~ 48.

[PRESET]+50+ [ENTER]

This command can call the No.4cruise tracks. It can scan preset points no.65 ~ 80.

Note: If some points are not been set or delete, it will not scanning these points when cruising. Resort 3 seconds in every preset point.

6．Setting scanning track

Method 1：

1. Setting begin scanning track point

[SET] + [51] + [ENTER]

Adjust the position of dome camera which you need.

2. Setting finish scanning track point：

[SET] + [52] + [ENTER]

Adjust the position of dome camera which you need.

3. Calling scanning：

[PRESET]+51+ [ENTER]

Note: Setting begins and finishes scanning track point first.

4. Stop scanning

[PRESET]+52+ [ENTER]

(Move Joystick also can stop scanning）

When dome device scanning, default state following

a. Dome device scan between two points.

b. Scan “begin-point” and “end-point” and resort 3 seconds

c. If “begin-point” and “end-point” superpose, dome device horizontal 360°rotation.

Method 2：

Call scanning

[AUTO]+ [ON]

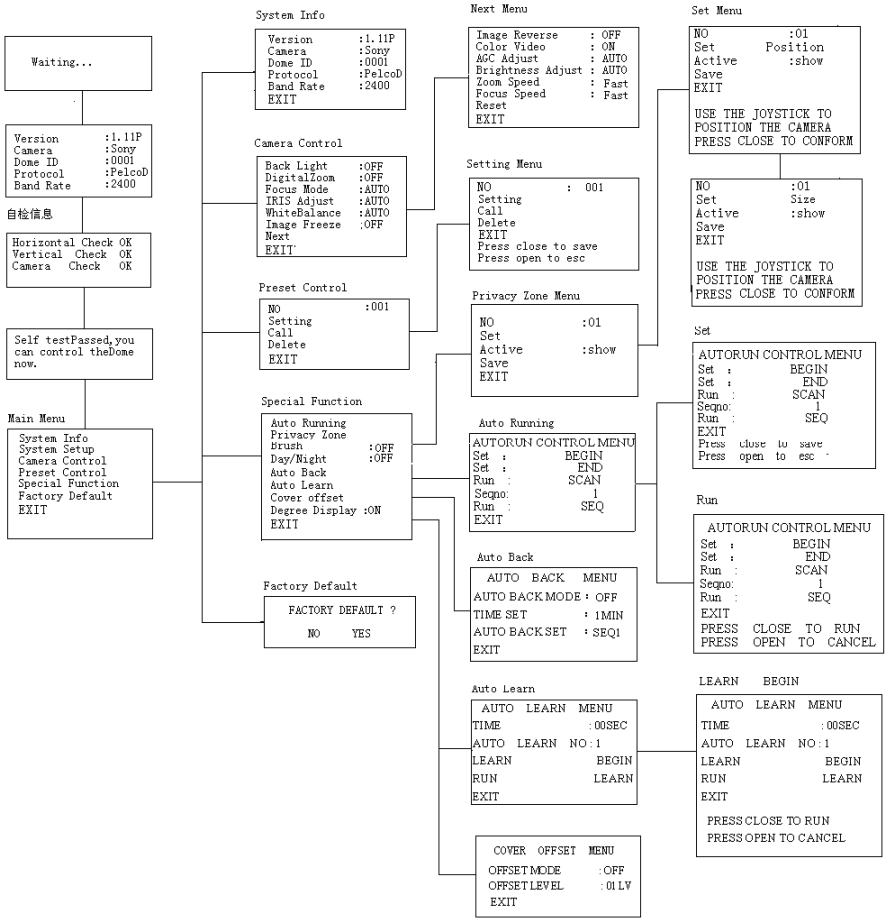
The speed dome camera scanning360 degree. Need not set scanning track point.

Note: Above operation use for our company’s suited keyboard by example, detail operation do as your keyboard menu

Power-off memory

Provide setting of scanning track and select scanning track function. Self-test can allow to store track that user edits arbitrarily and information power-off memory.

Index Diagram of the Screen Menu

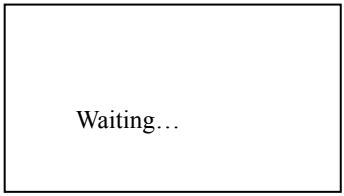


Index Diagram of the Screen Menu

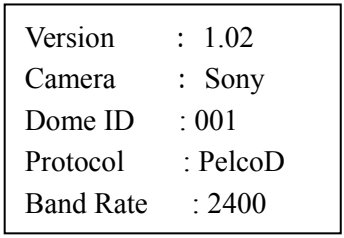
This is the speed dome OSD function, which include the menu while opening and the menu while operating.

Open it, and see the start of image, the order of showing is:

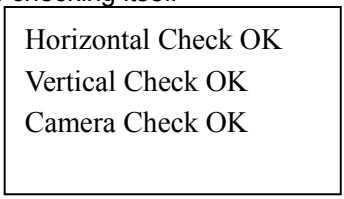
Waiting for image



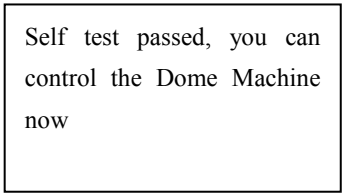
The image of system information



The information of checking itself



The finished information of checking itself



The Menu Setting

The major menu setting

After checking itself, please {[PRESET] +8+ [ENTER]}, then it will show the image as the No.1-0-1:

System Info	→（Pic.1-1-1）
System Setup	
Camera Control	→（Pic.1-2-1）
Preset Control	→（Pic.1-3-1）
Special Function	→（Pic.1-4-1）
Factory Default	
	→（Pic.1-5-1）
EXIT	

1-0-1 System information

On the menu of 1-0-1, turn up or down the rocker to point to system info (or click the up or down key of controlling system) , then turn right to enter to system info(or click the right key of control system)

As per the image 1-1-1:

Version : 1.02
Camera : Sony
Dome ID : 001
Protocol : PelcoD
Baud Rate: 2400
EXIT

Pic.1-1-1

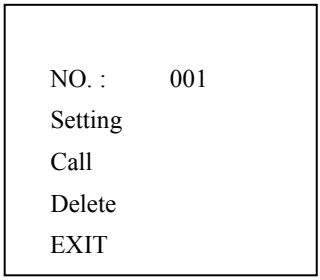
The last pages all show the system setting; the consumer can't operate any item of setting the function of system.

Camera function setting

The sub-menu of this function does not support.

Setting Preset Position

The menu of Pic.1-0-1，move rocker down or up to let cursor points “Preset Control”, then move rocker on right to come into menu of setting preset position（Pic.1-3-1）:



Pic.1-3-1

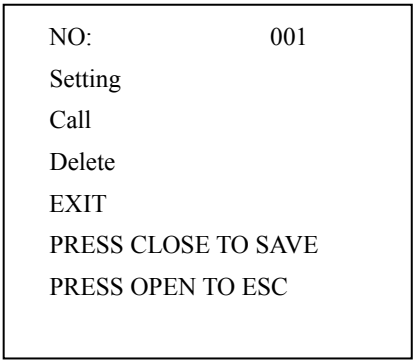
Explain：Above menu is used to set, call and delete preset positions.（Pic.1-3-1）:

- NO.: Display the No. of preset position. （No.:1-128）;
- Setting: Setting preset position
- Call: Call preset position（Pic.1-3-2）
- Delete: Delete preset position

Setting steps as follow:

1） In menu of Pic.1-3-1，move rocker down or up to let cursor points “NO.” , then move rocker on right to come into the area of input. Character blink, move rocker down or up to change the data and move rocker on right to save and exit. No. range is 1 to 128.

2） Move rocker down or up to let cursor points “setting”, then move rocker on right to come into the area of setting. The screen displays the state of setting (Pic.1-3-2).Control the dome camera by keyboard. After setting, press “close” to save. The screen will display Pic.1-3-1, cursor points “setting”, Setting is finish. You can call this position to confirm it is saved



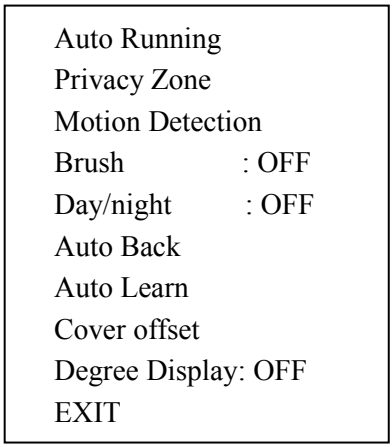
Pic.1-3-2

3）Select the No. of preset position before Call preset position，move rocker down or up to let cursor points “call”, then move rocker on right to confirm, the camera will adjust to the preset position（**Note**: If the No. Of preset position haven’t been set. Call this No., the camera will not adjust.）

4） After all setting，move rocker down or up to let cursor points “EXIT”, then move rocker on right to exit setting menu

Special Function

In menu of Pic.1-0-1，move rocker down or up to let cursor points “Special Function”, then move rocker on right to come into the menu of special function (Pic.1-4-1).



Pic.1-4-1

Note：Brush（Function of rain strip）：The speed dome have not this function.

Auto Back : Return automatically（Pic.1-4-1-4）

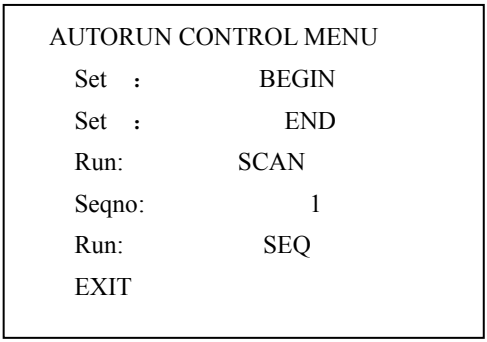
Auto Learn ：Study function（Pic.1-4-1-5）

Cover offset ：Pic.1-4-1-8

Explain：The menu of Pic.1-4-1 is setting function. Move rocker down or up to select function, and then move rocker on right to come in the area of input. Character blink, move rocker down or up to change the data and move rocker on right to save and exit.

Step of operation

Move rocker to “Auto Running”， Move rocker on right to enter the menu of Auto Running as the Pic.1-4-1-1



Pic.1-4-1-1

Explain：：

Set：setting the begin point and the end point of the track

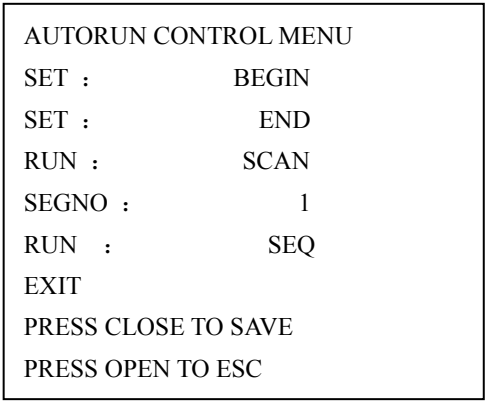
The First Run：scanning

Seqno：setting the scanning speed

The second Run：call scanning

Step of operation：

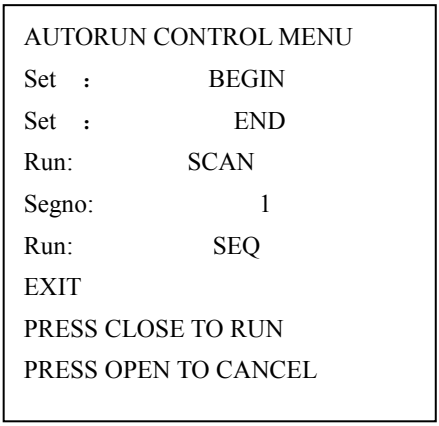
（1）Move rocker to “Set”， Move rocker on right ,the system will show as the pic.1-4-1-2, then set the begin point and the end point of track.



Pic.1-4-1-2

（2）Move rocker to the first “Run”, Move rocker on right ,the system will show

as the pic.1-4-1-3. press “CLOSE” to scan horizontal 360°；press “OPEN” to exit.



Pic.1-4-1-3

（3）Move rocker to “Segno”, Move rocker on right to choose the speed between 1 to 4.

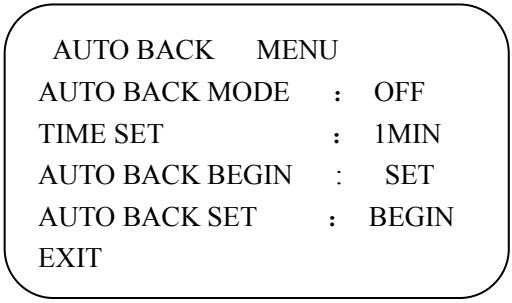
（4）The second Run (SEQ)：call track

Privacy Zone

The sub-menu of this function does not support.

◆. Return automatically

Move rocker down or up to “Auto Back”，move rocker on right to come into menu, as pic.1-4-1-4



Pic.1-4-1-4

Explain：

AUTO BACK MODE： Default OFF ， select ON

TIME SET ： 0-9MIN

AUTO BACK BEGIN ：Set begin point

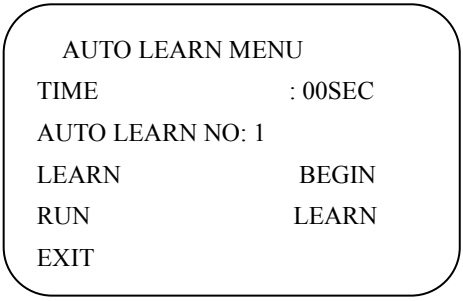
AUTO BACK SET ： SEQ1、SEQ2、SEQ3、SEQ4、SCAN、PRE1、BEGIN

Note: SEQ is track；SCAN is scanning；PRE is preset point；

When “AUTOBACK MODE” set “ON”, during this time, if the speed dome camera doesn’t do any actions, it will return to set mode.

◆Study function

Move rocker down or up to “ Auto Learn”， move rocker on right to come into Menu as pic.1-4-1-5



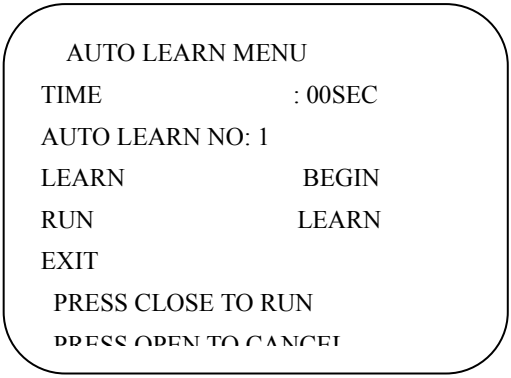
P1-4-1-5

TIME ： Max. 60s. (4 tracks, 60s/track)

AUTO LEARN NO：From1 to 4

Operation：

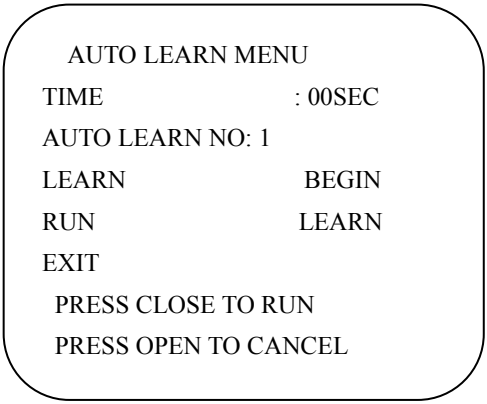
1．Move rocker down or up to “LEARN BEGIN”，move rocker on right to come into as pic.1-4-1-6



Pic.1-4-1-6

Explain： Press “CLOSE” ,screen will show “WAITTING” . “WAITTING” disappear after a few seconds, the interface automatically self-learning. Time is Max. 60s. Then the system will show “LEARN FINISHED”；press “OPEN” to cancel.

2. Move rocker down or up to “RUN LEARN”，move rocker on right come into as pic.1-4-1-7，press “CLOSE” to run self-learning, Time is Max.60s.Then the system will show “Run finished”. If don’t move rocker, Dome device will circularly self-learn. Pic.1-4-1-7



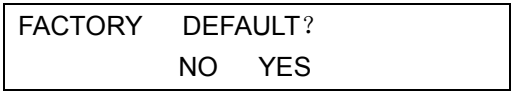
Note：When the dome device is in the process of learning, press SET +8 + ENTER, dome device will exit the OSD menu and re-learn from zero second.

◆Focus on correcting the functional coverage

The sub-menu of this function does not support.

5. **Recovery Function**

In menu of Pic.1-0-1，Move rocker down or up to let cursor points “Factory Default”, then move rocker on right to come into the menu of recovery function (Pic.1-5-1).



Pic.1-5-1

Explain：Pic.1-5-1，There is a reminder that is recovery factory setting or not. Default setting is NO. If recovery factory setting, you can Move rocker down or up to choose “YES”, then move rocker on right to confirm it. After 5 seconds, automatically return main menu.

- **Exit then Screen Menu**

After setting, press [SET+8+ENTER] to exit the screen menu

Debugging

1. Before the installing must be pre-set communication protocol, baud rate, zoom camera's protocol and ID code. A system of speed dome camera, keyboard, and matrix must be used, such as unified communications and unified communications protocol baud rate, and ensure that each speed dome camera has a unique same address.
2. Identification speed dome cameras' power lines, communications lines and video transmission lines, to ensure that the correct connection.
3. Control room in the center of each speed dome camera debugging, including: the control of the upper and lower pan/tilt reciprocating scanning around to see if there is a halt, should not start or should not stop the phenomenon; aperture control camera focus and zoom to see if there is image distortion , color cast, such as Focus on the phenomenon of non-performing; set up and call the preset point to view the accuracy of the preset points; set up and call a variety of cruise feature to see the speed dome camera and memory function.
4. Preset point should not be set up at the camera straight on the location of the sun in order to avoid damage to the camera sensor devices.

General Failure Analysis

（1） After power on, no motion and no image. At this time should check whether the normal power supply, check whether the next anti-polarity.

（2） Self test is exceptional, there is image but with motor noise “wu” May inspect the installation of the camera level, the availability of tilt, or whether the lack of power supply current.

（3） Normal self-testing, but completely beyond the control of the speed dome camera. Should inspect and check the communication protocol, baud rate and ID, and to ensure that communication lines to connect to normal. RS-485 is a polarity, that is, check the "+" and "-" whether the anti-access.

（4） Power on, Self testing normal, but no images, should check video line, and if the video connections are ok.

（5） Speed dome camera moves out of control, sometimes which can be controlled and sometimes can not control, there can not control the upper and lower downtime, etc. Should not influence or situation. Such questions may be in the wiring on the quality, if the control signal produced a distortion or signal too weak, it will lead to intelligent can not receive the ball to the correct control commands. Control circuit wiring irregularities such as:

(a) Did not require the use of twisted pair, RS-485 requires the use of twisted pair;

(b) Wire diameter is too small resulting in weak signals. RS-485 as

far as the transmission distance 1200 meters, can detect a valid signal to the minimum range 200mV, below the rate of invalid signal;

(c) Wiring topology structure is irrational. RS-485 communication norms require wiring type topology, and a lot of engineering to use the star topology;

(d) Matching resistor setting unreasonable. In order to avoid signal lines due to impedance mismatch lead to signal reflection caused by signal distortion must be the furthest the speed dome camera appropriated for the use of matching resistance status;

(e) Need avoid the laying of strong electromagnetic interference, what is more, there is shielding layer can be twisted pair. To determine the problem in the speed dome camera or in the wiring of a method are: Get the questionable speed dome camera to test, if the action of normal, then the problem lies in the quality of wiring up.

（6） Call the track and no action. Should first check every preset point has been set it.

（7） Between two preset points, should not the normal scan. To see whether or not correctly set the scan start point and end point.

（8） Even if the rocker offset to the largest speed dome camera action is still very slow. Some speed dome camera have the function of low speed for far distance, that is, if the camera's zoom down the most, up and down around the mandatory speed limit in order to guarantee the state at low speed to see enlarged details of each object.

（9） Camera iris, focus, zoom, etc. should not work. Should check the camera protocol on the speed dome camera.

（10） Night should not automatically switch to black and white color. Can check the camera settings menu, the feature is set to automatic.

（11） Fuzzy screen. May be the camera is in manual status, please set to automatically; and may also the speed dome camera’s cove have dust and stains.

（12） Monitor images is normal, but after a Matrix character position after the superposition wrong. May be the camera format is not compatible with other equipment, check the camera's format, because in general the monitor can automatically identify PAL system and NTSC system, and other video equipment does not necessarily have the feature.

（13） Image color cast. This is often caused by white balance disorders, such as the integration of camera white balance SONY have AUTO, INDOOR, OUTDOOR, ATW, such as mode, the camera should be set to correspond with the work of the scene mode, if not sure what kind of fit, can select AUTO or ATW.

Routine maintenance

Speed dome camera are compact equipment, often on their maintenance is also necessary to avoid the question of further expansion.

（1） Often clean the cover. At present the speed dome camera do not have self-cleaning ability so it is necessary to periodically and manually clean the cover.

（2） Speed dome camera overheating, there is abnormal noises. Confirmation are the speed dome camera at their own problems, it should be immediately unloaded In order to avoid the speed dome camera inside the important components such as camera further damage.

（3） Unless the user's special needs, it is recommended for everyday use in the course of the speed dome camera not to always be in high-speed automated inspection status, gear and belt to run non-stop wear and tear, will be too fast to reduce preset point positioning accuracy and shorten the life of the speed dome camera.

（4） When return the bad speed dome camera to the factory. It is suggested that tell the factory the working environment, a failure report to the situation before and after, the manufacturers of the technical staff will be careful analysis of the failure was accidental or there is the law and find the best solution. This works for manufacturers and traders, are very useful.

SPECIFICATION

Panning range	**360°endless**
Pan speed	**0.1~240°/sec**
Tilt range	**90°（180°Reversal auto-flip ）**
Tilt speed	**0.1~90°/sec**
Communication	**RS485**
Preset position	**128**
Track	**4 cruising tracks and 2scanning track**
Baud Rate	**1200/2400/4800/9600bps**
Power	**AC 24V 1A**
Operating temperature	**Indoor 0□~40□**
S/N Ratio	**≥48dB**

Appendix Ⅰ

Dipswitch / Address	DIP1	DIP2	DIP3	DIP4	DIP5	DIP6	DIP7	DIP8
1	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
2	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
3	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
4	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
5	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF
6	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF
7	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
8	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF
9	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF
10	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF
11	ON	ON	OFF	ON	OFF	OFF	OFF	OFF
12	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF
13	ON	OFF	ON	ON	OFF	OFF	OFF	OFF
14	OFF	ON	ON	ON	OFF	OFF	OFF	OFF
15	ON	ON	ON	ON	OFF	OFF	OFF	OFF
16	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF
17	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF
18	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF
19	ON	ON	OFF	OFF	ON	OFF	OFF	OFF
20	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF
21	ON	OFF	ON	OFF	ON	OFF	OFF	OFF
22	OFF	ON	ON	OFF	ON	OFF	OFF	OFF
23	ON	ON	ON	OFF	ON	OFF	OFF	OFF
24	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF
25	ON	OFF	OFF	ON	ON	OFF	OFF	OFF
26	OFF	ON	OFF	ON	ON	OFF	OFF	OFF
27	ON	ON	OFF	ON	ON	OFF	OFF	OFF
28	OFF	OFF	ON	ON	ON	OFF	OFF	OFF
29	ON	OFF	ON	ON	ON	OFF	OFF	OFF
30	OFF	ON	ON	ON	ON	OFF	OFF	OFF
31	ON	ON	ON	ON	ON	OFF	OFF	OFF
32	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF
33	ON	OFF	OFF	OFF	OFF	ON	OFF	OFF
34	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF
35	ON	ON	OFF	OFF	OFF	ON	OFF	OFF
36	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF

37	ON	OFF	ON	OFF	OFF	ON	OFF	OFF
38	OFF	ON	ON	OFF	OFF	ON	OFF	OFF
39	ON	ON	ON	OFF	OFF	ON	OFF	OFF
40	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF
41	ON	OFF	OFF	ON	OFF	ON	OFF	OFF
42	OFF	ON	OFF	ON	OFF	ON	OFF	OFF
43	ON	ON	OFF	ON	OFF	ON	OFF	OFF
44	OFF	OFF	ON	ON	OFF	ON	OFF	OFF
45	ON	OFF	ON	ON	OFF	ON	OFF	OFF
46	OFF	ON	ON	ON	OFF	ON	OFF	OFF
47	ON	ON	ON	ON	OFF	ON	OFF	OFF
48	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF
49	ON	OFF	OFF	OFF	ON	ON	OFF	OFF
50	OFF	ON	OFF	OFF	ON	ON	OFF	OFF
51	ON	ON	OFF	OFF	ON	ON	OFF	OFF
52	OFF	OFF	ON	OFF	ON	ON	OFF	OFF
53	ON	OFF	ON	OFF	ON	ON	OFF	OFF
54	OFF	ON	ON	OFF	ON	ON	OFF	OFF
55	ON	ON	ON	OFF	ON	ON	OFF	OFF
56	OFF	OFF	OFF	ON	ON	ON	OFF	OFF
57	ON	OFF	OFF	ON	ON	ON	OFF	OFF
58	OFF	ON	OFF	ON	ON	ON	OFF	OFF
59	ON	ON	OFF	ON	ON	ON	OFF	OFF
60	OFF	OFF	ON	ON	ON	ON	OFF	OFF
61	ON	OFF	ON	ON	ON	ON	OFF	OFF
62	OFF	ON	ON	ON	ON	ON	OFF	OFF
63	ON	ON	ON	ON	ON	ON	OFF	OFF
64	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF
65	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF
66	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF
67	ON	ON	OFF	OFF	OFF	OFF	ON	OFF
68	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF
69	ON	OFF	ON	OFF	OFF	OFF	ON	OFF
70	OFF	ON	ON	OFF	OFF	OFF	ON	OFF
71	ON	ON	ON	OFF	OFF	OFF	ON	OFF
72	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF
73	ON	OFF	OFF	ON	OFF	OFF	ON	OFF
74	OFF	ON	OFF	ON	OFF	OFF	ON	OFF
75	ON	ON	OFF	ON	OFF	OFF	ON	OFF
76	OFF	OFF	ON	ON	OFF	OFF	ON	OFF
77	ON	OFF	ON	ON	OFF	OFF	ON	OFF

78	OFF	ON	ON	ON	OFF	OFF	ON	OFF
79	ON	ON	ON	ON	OFF	OFF	ON	OFF
80	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF
81	ON	OFF	OFF	OFF	ON	OFF	ON	OFF
82	OFF	ON	OFF	OFF	ON	OFF	ON	OFF
83	ON	ON	OFF	OFF	ON	OFF	ON	OFF
84	OFF	OFF	ON	OFF	ON	OFF	ON	OFF
85	ON	OFF	ON	OFF	ON	OFF	ON	OFF
86	OFF	ON	ON	OFF	ON	OFF	ON	OFF
87	ON	ON	ON	OFF	ON	OFF	ON	OFF
88	OFF	OFF	OFF	ON	ON	OFF	ON	OFF
89	ON	OFF	OFF	ON	ON	OFF	ON	OFF
90	OFF	ON	OFF	ON	ON	OFF	ON	OFF
91	ON	ON	OFF	ON	ON	OFF	ON	OFF
92	OFF	OFF	ON	ON	ON	OFF	ON	OFF
93	ON	OFF	ON	ON	ON	OFF	ON	OFF
94	OFF	ON	ON	ON	ON	OFF	ON	OFF
95	ON	ON	ON	ON	ON	OFF	ON	OFF
96	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF
97	ON	OFF	OFF	OFF	OFF	ON	ON	OFF
98	OFF	ON	OFF	OFF	OFF	ON	ON	OFF
99	ON	ON	OFF	OFF	OFF	ON	ON	OFF
100	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
101	ON	OFF	ON	OFF	OFF	ON	ON	OFF
102	OFF	ON	ON	OFF	OFF	ON	ON	OFF
103	ON	ON	ON	OFF	OFF	ON	ON	OFF
104	OFF	OFF	OFF	ON	OFF	ON	ON	OFF
105	ON	OFF	OFF	ON	OFF	ON	ON	OFF
106	OFF	ON	OFF	ON	OFF	ON	ON	OFF
107	ON	ON	OFF	ON	OFF	ON	ON	OFF
108	OFF	OFF	ON	ON	OFF	ON	ON	OFF
109	ON	OFF	ON	ON	OFF	ON	ON	OFF
110	OFF	ON	ON	ON	OFF	ON	ON	OFF
111	ON	ON	ON	ON	OFF	ON	ON	OFF
112	OFF	OFF	OFF	OFF	ON	ON	ON	OFF
113	ON	OFF	OFF	OFF	ON	ON	ON	OFF
114	OFF	ON	OFF	OFF	ON	ON	ON	OFF
115	ON	ON	OFF	OFF	ON	ON	ON	OFF
116	OFF	OFF	ON	OFF	ON	ON	ON	OFF
117	ON	OFF	ON	OFF	ON	ON	ON	OFF
118	OFF	ON	ON	OFF	ON	ON	ON	OFF

119	ON	ON	ON	OFF	ON	ON	ON	OFF
120	OFF	OFF	OFF	ON	ON	ON	ON	OFF
121	ON	OFF	OFF	ON	ON	ON	ON	OFF
122	OFF	ON	OFF	ON	ON	ON	ON	OFF
123	ON	ON	OFF	ON	ON	ON	ON	OFF
124	OFF	OFF	ON	ON	ON	ON	ON	OFF
125	ON	OFF	ON	ON	ON	ON	ON	OFF
126	OFF	ON	ON	ON	ON	ON	ON	OFF
127	ON	ON	ON	ON	ON	ON	ON	OFF
128	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON
…	…							
255	ON	ON	ON	ON	ON	ON	ON	ON

Explain：DIP1 means 1, DIP2 means 2, DIP3 means 4, DIP5 means 16, DIP6 means 32, DIP7 means 64, DIP8 means 128;

For example: Address 241=128+64+32+16+1， So set the DIP1,DIP5 DIP6, DIP7,DIP8 for “ON”, other switches for “OFF”