LCT

ALLARMED SPEED DOME
User Manual

**LCTSD318
LCTSD326
LCTSD336**

NORME GENERALI DI SICUREZZA - *General safety recommendations*
Sicurezza delle persone - *Safety warnings*

Leggere e seguire le istruzioni - Tutte le istruzioni per la sicurezza e per l'operatività devono essere lette e seguite prima che il prodotto sia messo in funzione.
Precauzioni particolari - Rispettare tassativamente l'ordine delle istruzioni di installazione e collegamento descritte nel manuale. Verificare le indicazioni riportate sulla targa di identificazione: esse devono corrispondere alla vostra rete elettrica di alimentazione ed al consumo elettrico. Conservate le istruzioni per una consulta futura.
Read and follow the instructions - Read the installation instructions before connecting the system to its power source. Follow these guidelines to ensure general safety.
In order to prevent injury, burns or electrical shock to yourself and others, follow the connection instruction plan carefully.

Sicurezza del prodotto - *Product Safety*

Non posizionare in prossimità di liquidi oppure in un ambiente ad umidità eccessiva.
Non lasciare penetrare del liquido o corpi estranei all'interno dell'apparecchiatura.
Non ostruire le griglie di aerazione.
Non sottoporre all'esposizione dei raggi solari oppure in prossimità di fonti di calore.
Do not use the product in a wet location.
Never push a foreign object through an opening inside the product.
Slots and openings are provided for ventilation and should never be covered.
Do not place under direct sunlight or heat sources.

INFORMAZIONI SULL'AMBIENTE - *ENVIRONMENT INFORMATION*

Note per lo smaltimento del prodotto valide per la Comunità Europea
Questo prodotto è stato progettato e assemblato con materiali e componenti di alta qualità che possono essere riciclati e riutilizzati. Non smaltire il prodotto come rifiuto solido urbano ma smaltirlo negli appositi centri di raccolta. E' possibile smaltire il prodotto direttamente dal distributore dietro l'acquisto di uno nuovo, equivalente a quello da smaltire. Abbandonando il prodotto nell'ambiente si potrebbero creare gravi danni all'ambiente stesso. Nel caso il prodotto contenga delle batterie è necessario rimuoverle prima di procedere allo smaltimento. Queste ultime debbono essere smaltite separatamente in altri contenitori in quanto contenenti sostanze altamente tossiche.
Il simbolo rappresentato in figura rappresenta il bidone dei rifiuti urbani ed è tassativamente vietato riporre l'apparecchio in questi contenitori.
L'immissione sul mercato dopo il 1° luglio 2006 di prodotti non conformi al DLgs 151 del 25-07-05 (Direttiva RoHS RAEE) è amministrativamente sanzionato.

Disposal of waste products for European Union
This products was designed to minimize their impact on the environment by reducing or eliminating hazardous materials and designing for recyclables.
This product should be handed over to a designated collection point, e.g., on an authorized one -for-one basis when you buy a new similar product or to an authorized collection site for recycling waste electrical and electronic equipment. Improper handling of this kind of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances.
This symbol indicates that this product has not to be disposed of with your household waste, according to the WEEE Directive.
For more information about where you can drop off your waste equipment for recycling, please contact your local city waste authority, or your household waste disposal service.

GARANZIA - Warranty

Questa garanzia ha validità di 2 anni a partire dalla data di acquisto assicurata solo dietro presentazione della fattura o scontrino rilasciati al cliente dal rivenditore.
L'assistenza gratuita non è prevista per i guasti causati da:
-Uso improprio del prodotto, immagazzinamento inadeguato, cadute o urti, usura, sporcizia, acqua, sabbia, manomissione da personale non autorizzato del prodotto rispetto a quanto previsto nei manuali d'uso inclusi.
-Riparazioni, modifiche o pulizia effettuate da centri assistenza non autorizzati da HR EUROPE.
-Danni o incidenti le cui cause non possono essere attribuite alla HR EUROPE, comprendenti e non limitati a fulmini, eventi naturali, alimentazione e ventilazione inadeguata.
This warranty is valid for 2 years from the date of purchase obtained only against presentation of the original invoice/ cash ticket issued to the customer by the retailer.
Warranty repair service is excluded if damage or defects have been caused by:
-Improper use, incorrect storage, dropping or shocks, corrosion, dirt, water, handing or operation of the product as referred to in the users' manuals.

SUMMARY

1. Introduction

1.1 Technical specific

Specifics	Details
Preset	220
Tour	4 – max 27 Preset
Cruise	4
Pattern	4
Horizontal Movimento	360° ; speed 300°/sec.
OSD password	Ok
Proportional Pan/Tilt	Ok
Day/night	Auto, Color, Night (select)
S/N Ratio	>50dB
Electronics shutter	1/1 - 1/10,000 sec., 22 steps
White bilance	Auto, ATW, Inside, Outside, One-Push, Manual
Gain	Auto/Manual (-3dB , 28dB, 2dB steps)
AE control	Auto, Manual, Priority Mode, Bright, EV compensation, Back light compensation
Back Light Compensation	On/Off
Privacy Zone	8
Input / output Alarm	8 / 1
Autorunnig	ok
Auto Flip	180° Tilt
Video Output	VBS: 1.0Vp-p (sync negative), Y/C output
Security grade	IP66
Environmental temperature	-10° ~ 50°C ; 95% UR
Power – Uptake	24VAC nominal (18-30VAC) - 10VA min / 90VA max heating up
Language	Italian - English - French – Spanish
Weight	3,1 Kg
Size (With Wall brachet LCTST300M)	325mm (H) x 220mm (Ø) x 290mm (P)

LCTSD318

camera Module	Sony FCB-EX480CP
Image Sensor	1/4 type EXview HAD CCD
Pixels	Approx. 440,000 pixels
Lens	18x Zoom, f=4.1mm (wide) to 73.8 mm (tele), F1.4 to F3.0
Digital Zoom	12x (216x with optical zoom)
Vision (horizontal)	48° (wide end) to 2.8° (tele end)
Min. functioning distance	35mm (wide end) to 800mm (tele end)
Min. Lighting	0.7 lx (typical) (50 IRE)

LCTSD326

camera Module	Sony FCB-EX980P
Image Sensor	1/4 type EXview HAD CCD
Pixels	Approx. 440,000 pixels
Lens	26x Zoom, f=3.5 (wide) to 91.0 mm (tele), F1.6 to F3.8
Digital Zoom	12x (312x with optical zoom)
Vision (horizontale)	55° (wide end) to 2.3° (tele end)
Min. functioning distance	320mm (wide end) to 1500mm (tele end)
Min. Lighting	1.0 lx (typical) (50 IRE)

LCTSD336

camera Module	Sony FCB-EX1000P
Image Sensor	1/4 type EXview HAD CCD
Pixels	Approx. 440,000 pixels
Lens	36x optical zoom, f=3.4 mm (wide) to 122.4 mm (tele), F1.6 to F4.5
Digital Zooml	12x (432x with optical zoom)
Vision (horizzontale)	57.8° (wide end) to 1.7 ° (tele end)
Min. functioning distance	1.5 m at tele end
Min. Lighting	1/60s. mode: 1.4 lux typical (F1.6, 50 IRE) / 1/4 s mode: 0.1 lux typical (F1.6, 50 IR

1.2 Side identification
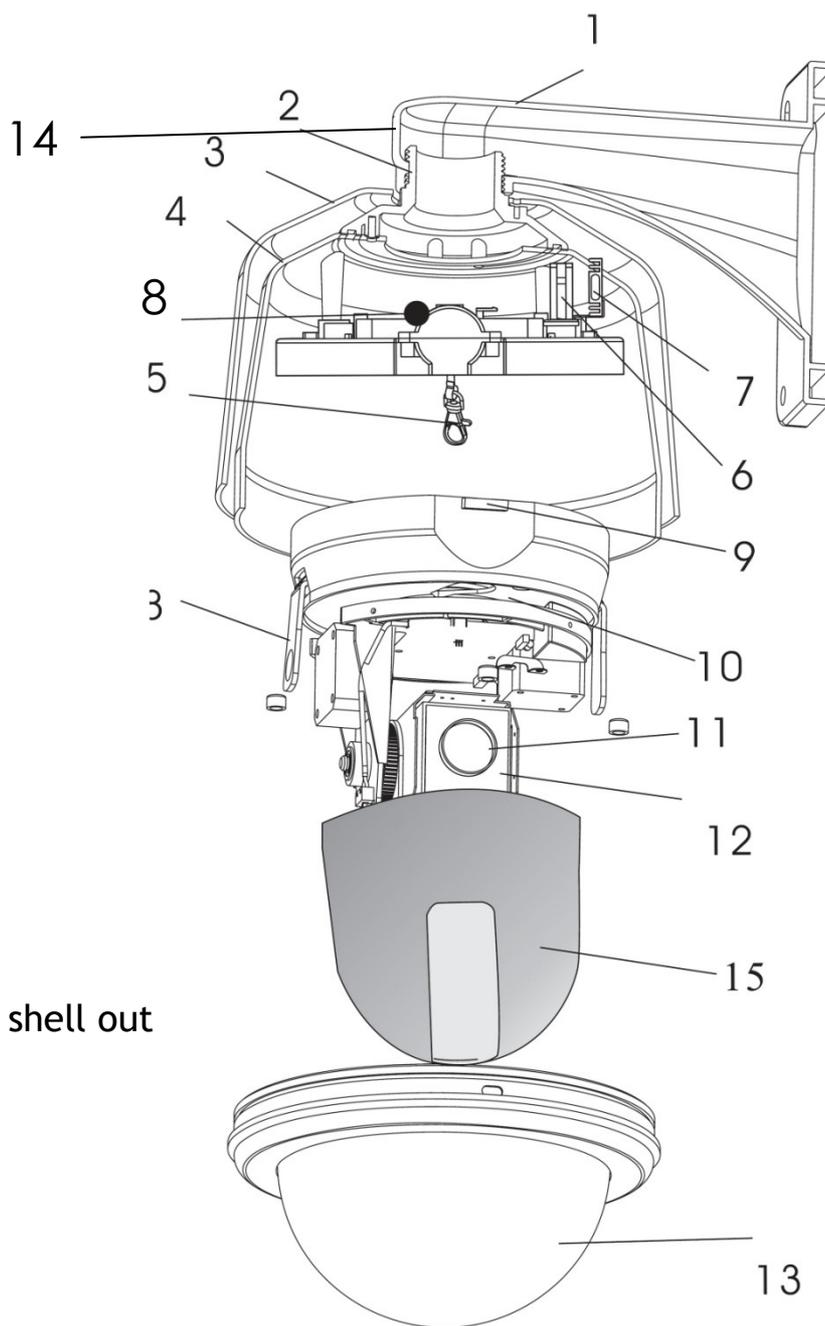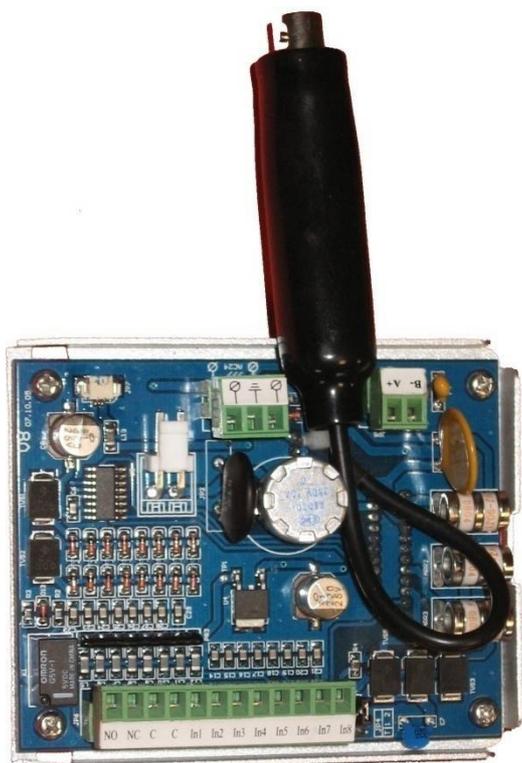
1. Bracket of wall to fix
2. Threaded inside attack
3. Drip
4. Inside custody
5. Security hook
6. Fan
7. Heating up plate
8. Hook-up lever and quick shell out
9. Hook tack on of security
10. Speed Dome block off
11. Objective
12. camera module
13. Transparent cover
14. Connection card
15. Inside shell blot out

2. Installation

2.1 Preparations

Precautions
- Qualified and experienced person can carry out the installation. In many countries and areas licensed people is required.
- Before the installation and connection put off the camera .
- Do not putin the camera near to the air vent of the air conditioner.
- To wall montage, lay up for LCTST300M bracket.
- Installation surface.
- Precaution: disassemble can only be carried out by qualified people.
- For fixing to wall make the necessary article of tool shop (ad es. plug, anchorage screw, etc.) .

2.2 Bracket assembling

Used screw ,darts or apt to similar to fix the bracket on the surface of installation.
1. Use bracket to marke the mounting position on wall (fig.1)

2. Fix bracket on the wall and put cables through the wall inside the bracket (fig.2).
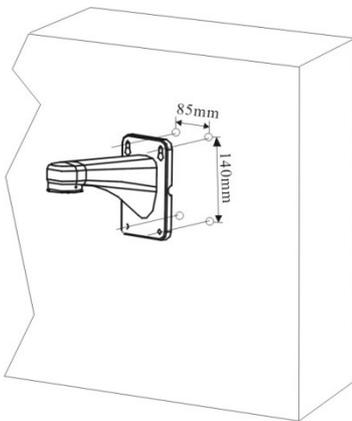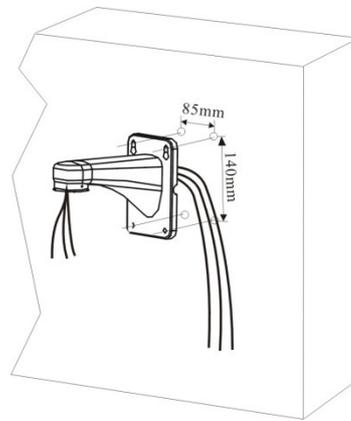
Fig.1   Fig.2

2.3 Connection

All series LCTSD Speed Dome camera have got one cable for video signal which end female BNC connector terminal box to connect power PTZ and auxiliary alarms.
Be needed 3 types of wiring for structure set up of Speed Dome :

- **Power 24V to alternate current** .
- **Video signal**. the camera makes one commun composite video signal . Use the RG59 coaxial cable for distance 120 m ,while for higher distances use video balun to transport the video signal up the UTP cable (LCT202T-LCT202R-LCT302T-LCT302R).
- **PTZ.** The LCTSD series camera use one RS485 serial BUS connection with twisted cable. Use only twisted cable RS485 Bus can stringently to 1200 m of length and she connected to falls device. The section of the cable depends of the connection length: one section of 0.5 mmq is sufficient for a short distance, while to use section higher of 1 mmq or 2.5 mmq is necessary link up long distance (max. 1200 m.) . use screen cable in the wiring execution. Go to connect the camera and console in cascade that is entering and exting from the RS485A and RS485B. do not invert the cable (A-B) during the equipment connection . on the first and last device is necessary to connect the resistance for the correct functioning of the RS485. the resistance value to use is 120Ohm.

proceed:

1. open the access door of connection inside of the custody (fig 3.)
2. screw the custody to the bracket to conduct cables through the hole on top of the housing (fig 4).
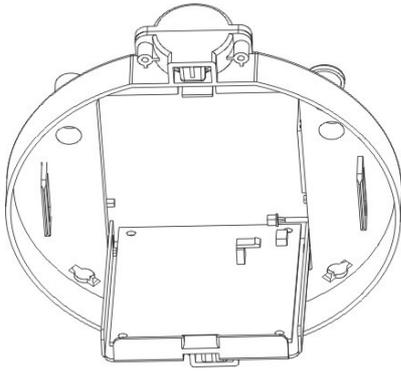
Fig.3
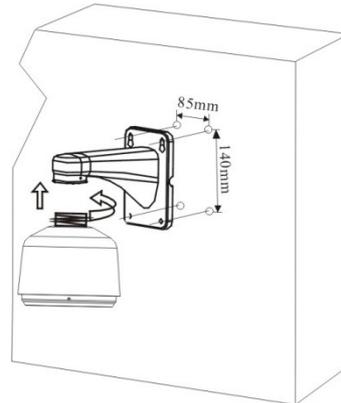
Fig.4

3. connect cables.
Connect these cables into the relative connector relative:
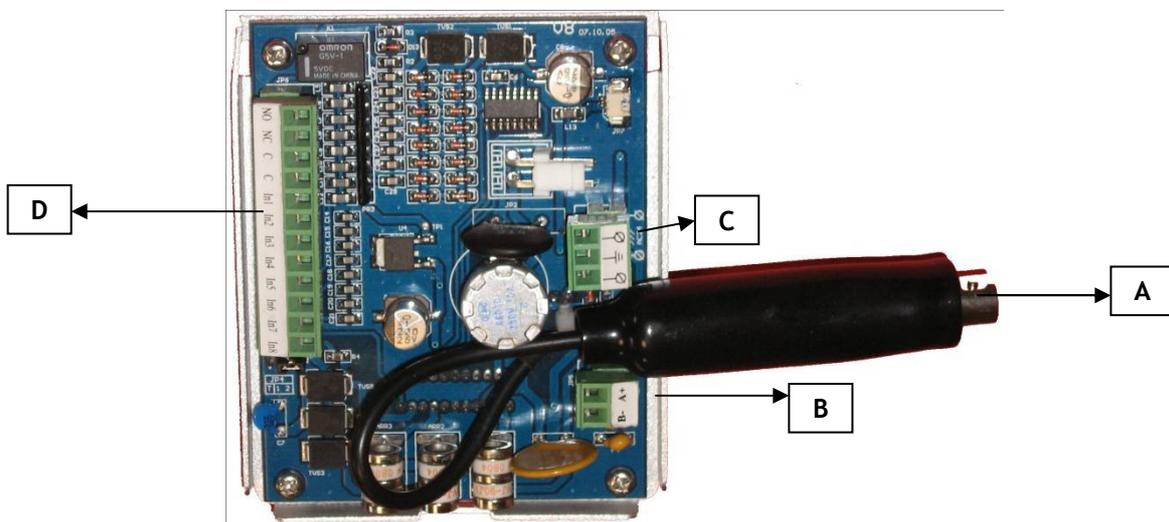
A. Video signal - BNC female connector.
B. RS485+A and RS485-B terminal box.
Open the screw of clamps put in the cables and close .Attention to the polarity electric wires(RS485+A (RX+) and RS485-B (RX-)) in the connection with the control device (control keyboard , DVR).
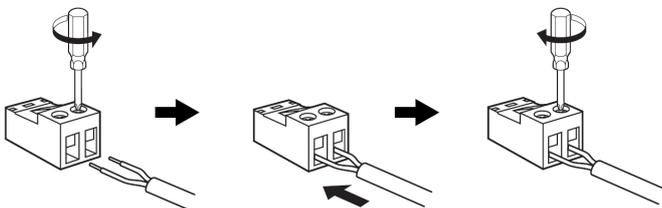
C. Power cable 24VAC. Open the screw of the clamps put in the cable and close the screw.
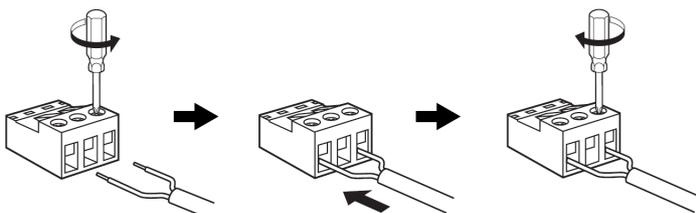
D. IN/OUT alarm clamps

8 in put with 1 common of reference (the in put must to pilot at clean contacts).
1 output alarm to relay (Common, NC e NO); max. 30V, 1A.

2.4 Switches adjustment

For access to the 2 DIP-SWITCHES reverse the block of Speed dome (pag 5) .
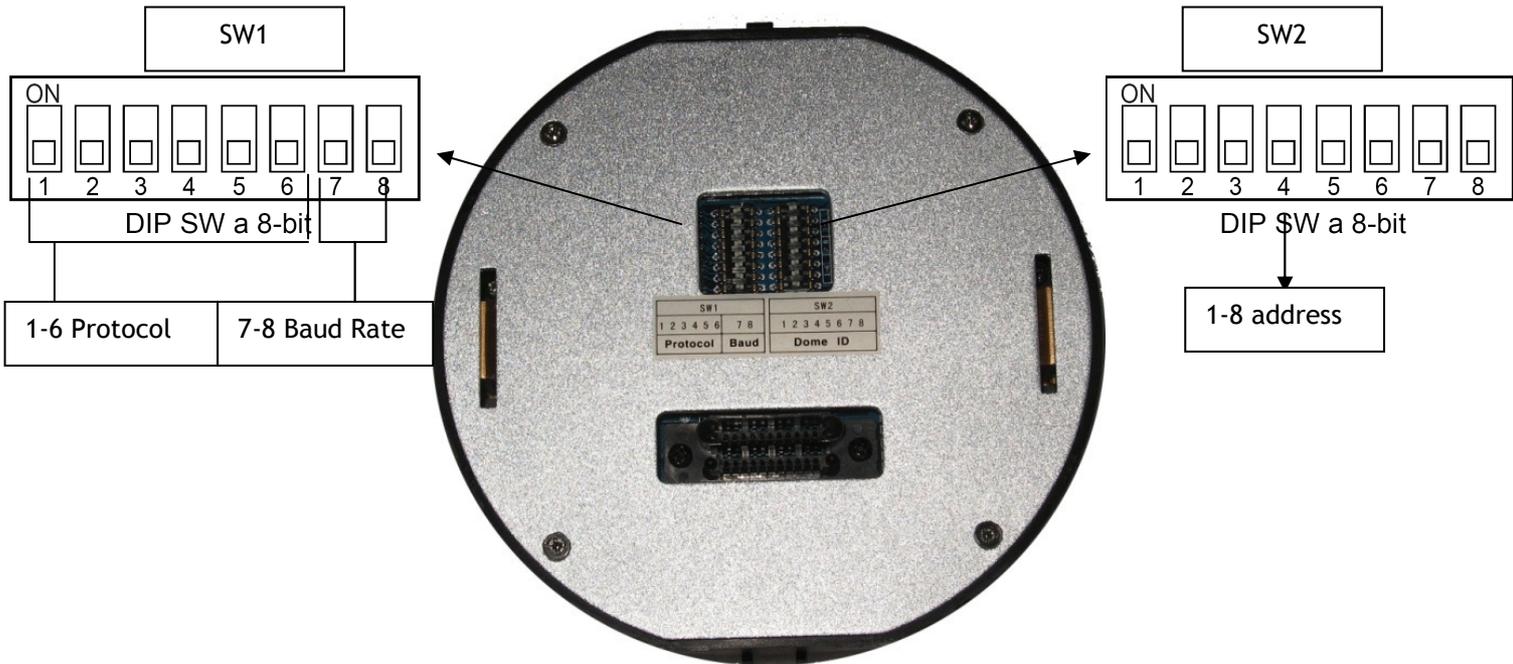
The DIP-SWITCH have two functions. Use for setup the switch value (Baud Rate and Protocol) and use for unit address .
Put out the camera before switches adjustment, then put on .Next table show the switch position and function .
The switch 7 and 8 of DIP Swicth 1 (SW1) be useful to setup speed of the   BUS that has be   common at all RS485 connect devices:

SW   1

Baud Rate DIP 7-8				
Switch position	**parameter choice**			
	Baud Rate	**Data bit**	**Parity**	**Stop bit**
	2400	8	No one	1
	4800 (Default)	8	No one	1
	9600	8	No one	1
	19200	8	No one	1

The factory start up is: 4800.

The protocol of communication that need to use is assigned by DIP Swicthes 1-2-3-4-5- 6

SW   1

Protocol DIP 1-6				
Protocol	**Switch Position**	**Protocol**	**Switch Position**	
Pelco PD (Default)		**Lilin**		
Pelco C		**Kalatel**		
Pelco PDC		**Vicon**		

The factory start up is : Pelco PD

Second the next table that consent to obtain 254 different address (1 at 254) all switches of the second DIP Switch assign the address of the camera.
Each camera on the bus need to assign a different address that is put in to the keyboard .

SW   2

Switch Position									Switch Position								
ID	1	2	3	4	5	6	7	8	**ID**	1	2	3	4	5	6	7	8
1	ON								**6**		ON	ON					
2		ON							**7**	ON	ON	ON					
3	ON	ON							**8**			ON					
4			ON						**9**	ON		ON					
5	ON		ON						**10**		ON	ON					

Do reference at appendix A for the complete address list

For stave off accidental push down to the Speed Dome lock on the block on the security hook.

After to have finish the connection and adjustment necessary, close the access door of the connection board and hook-up the speed dome block of in the place of house.

*Note: before to proced logn out the security.

Pay attention to the direction of the quick courcins,.

Control the lever of hook and unhook are correctly insert.

For end the installation i twill be now hook up sufficient the see-through dome and fix the closing screw.

*Note: Put the dome with the prescribed centre in to fixing correspondence.

Security Hook
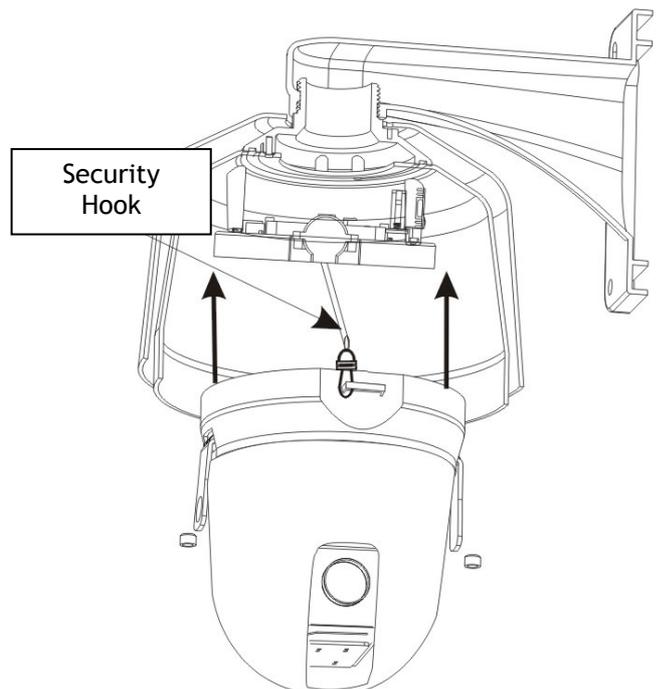
3. Menu Configuration

To understand the potentiality   of   LCTSD   camera high speed dome,system   see the followed illustration. Video wiring note,come true with usual coaxial cable or twisted cable and the BUS RS485 for the Speed Dome management. At the RS485 BUS ,fin place too recorder(DVR) and on the BUS, is possible to put on :LCTspeed dome, HR DVR,HR keyboard (HRKB001 and HRKB001NET).By these devices is possible to manage and setup the Speed Dome.
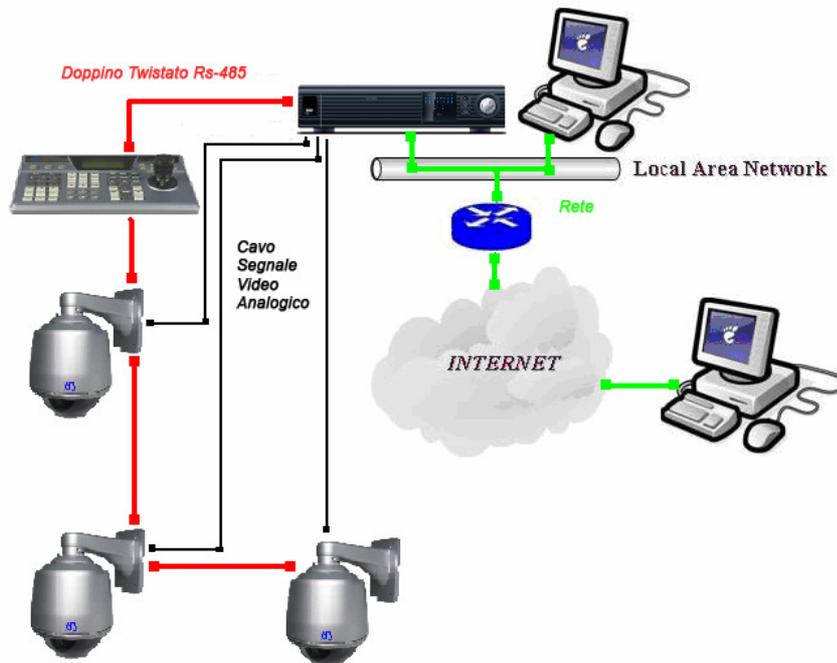
3.1 Menu Operation

- Use the console Joystick or the HR DVR directional key(up and down) to move in item of menu.
- Use right Joystick or the HR DVR directional right key to select vary item or go in sub menu.
- Use the console Joystick or the DVR HR directional key up and down for vary parameter.
- Use left Joystick or the HR DVR directional left key to give the OK at programming.
- Select the back item or exit , for return to the past menu or exit to the OSD.

Recall 95 preset or call consecutive 2 times preset 1 with in 5 second, the OSD menu it may be activated .Preset recall it may be at keyboard or HR DVR.

3.2 Boot-up Screen

When the Speed dome power on , the device wants a few seconds for boot up information will display on screen and will conduct self-testing.Will show on the screen until "booting success".
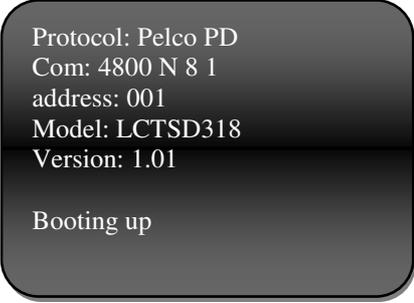
```
Protocol: Pelco PD
Com: 4800 N 8 1
address: 001
Model: LCTSD318
Version: 1.01

Booting up
```

Protocol: display the protocol in use, set up by DIP-Switch 1
- **Com**: display the parameter of communication set up by DIP-Switch 1
- **address**: display the Speed Dome address assigned ,set up by DIP-Switch 2
- **Model**: display the model in use of the three available (LCTSD318-LCTSD326-LCTSD336)
- **Version**: firmware version

3.3 Menu explanation

The main menu is subdivide in 7 sub menu .

System setup (pag.13)
• **Site Info**: Dome ID, Name, broadcast address.
• **Display Setup**: Screen display.
• **Boot-up Screen**: Display boot-up information On/Off.
• **Password**: Change password.
• **Default**: Restore factory default settings.
• **System Reboot**: Reboot Dome system.
• **Language:** select the language.

Site Info
Display setup
Boot-up screen
Password
Default
System Reboot
Language
Back

Lens setup (pag.14)
• **Zoom Speed**: high / low
• **Digital Zoom**: On /Off
• **Joystick AF/AI**: AF+AI / Iris / Focus /Off
• **AFtime Autofocus**: 0 -255 / Off
• **AI timeAutoIris**: 0 -255 / Off
• **ALC**: 0 -31
• **Day-Night**: Auto /Off

Zoom Speed:
Digital Zoom:
Joystick AF/AI:
AF Resume time :
AI Resume Time:
ALC:
Day/Night
Back

System
Lens
Camera
Pan/Tilt
Auto Running
Privacy Mask
Alarm
Exit

Camera setup (pag.15)
• **Sensibility**: x1 –x10000
• **Freeze Mode**: On / Off
• **White Balance**: Auto / inside / outside / OPW / ATW / manual
• **BLC Mode**: Level On / Off

Sensibility:
Freeze Mode:
White Balance:
BLC Mode
Back

Note

• OSD menu will close automatically after 1 minute without any operation.

Pan/Tilt setup (pag.16)
• **Auto Stop Time**: 1-255 / Off
• **Speed Amplify** : 1-32 /Off
• **Proportional P/T**: On /Off
• **Set Nord**: Set Nord

Auto Stop Time
Speed Amplify
Proportional P/T
Set Nord:
Back

Auto running setup (pag.15)
• **Preset**: Save– Remove – Rename Preset
• **Tour**: Setup – Remove and test 4 Tour
• **Cruise**: Select speed and restrict 4 Cruise
• **Pattern**: Record – Test and bootup 4 Pattern
• **Zona**: Zone name identification and passage speed.
• **Park time**: 1-255 /Off
• **Park action**: Preset / Pattern 1-4 / Cruise 1-4 / Tour 1-4

Preset
Tour
Cruise
Pattern
Zone
Park Time:
Park Action:
Back

Aree privacy setup (pag.18)
• **Mask Number**: 1-8
• **Mask Setup**: Select zone to mask
• **Remove Mask**: Remove current mask
• **Remove All**: Remove all mask

Mask Number:
Mask Setup
Remove Mask
Remove All Mask
Back

Alarm setup (pag.19)
• **Alarm Input 1-8**: Preset / Pattern 1-4 / Cruise 1-4 / Tour 1-4
• **Alarm1**: Output
• **Arm/Disarm**: Arm / Disarm
• **Interval <s>**: 1-255

Alarm In 1:
Alarm In 2:
Alarm In 3:
Alarm In 4:
Alarm In 5:
Alarm In 6:
Alarm In 7:
Alarm In 8:
Exit 1:
Arm/Disarm
Interval <s>:
Back:

3.4 System Setup

```
System              Site Info            A
 Lens               Display Setup        B
Camera              Boot-up Screen       C
Pan/Tilt            Password
Auto Running        Default              D
Privacy Mask        System Reboot        E
Alarm               Back
Exit                                     F
```
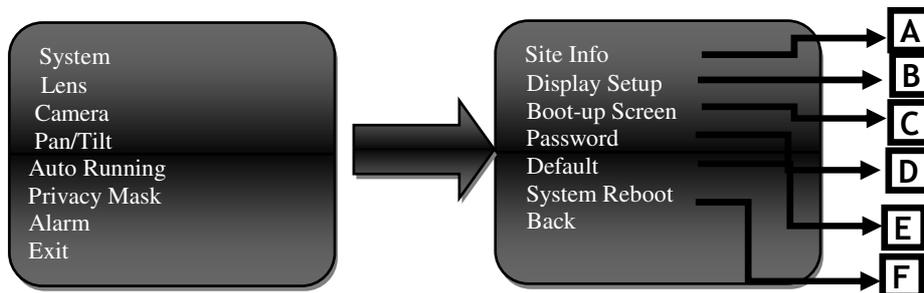
A *Site Info*

The menu permits to use have Dome information.

```
Address: 001
Name: Dome 1
Broadcast ID: 255
Back
```
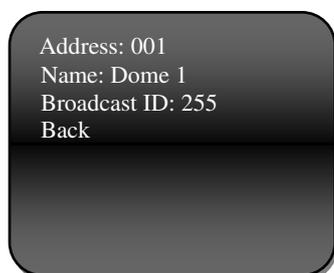
<address>: The parameter is not changeable and display that address is be assigned to the Speed Dome by DIP-Switch (pag. 8).
<Name> :Assigning name to a dome helps user to remember which dome it is.
<Broadcast ID>:Each other want to assigne software address to the Speed Dome, Setup here the desired value.

B Display *Setup*

Here is possible to select information need to display in over-printing.

```
Dome  Name:      Off
Preset  Name:    On
Cruise  Name:    On
Pattern Name:    On
Zoom:            Off
Orientation:     Off
Alarm Name:      Off
Zone Name Mask:  On
Back
```
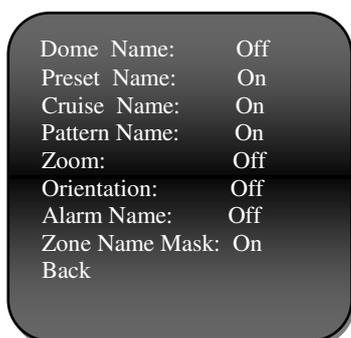
<Dome Name>:On/Off. To display the camera name.
<Preset Name>: On/Off.To display the preset name .
<Nome Cruise>: On/Off. To display the Cruise name .
<Pattern Name>: On/Off. Arm or disarm the Pattern name up to display.
<Zoom>: On/Off. To display the zoom .
<Orientation>: On/Off. To display the rotation degree .
<Alarm Name>: On/Off. To display current .
<Zone Name Mask>: On/Off. To display the zone name mask crossing by camera.

C *Boot-up Screen*

Here is possible to display starting the Dome information.

```
Protocol: Pelco PD
Comm: 4800 N 8 1
Address: 001
Model: LCTSD318
Version: 1.01

Call Preset 1 to back
```
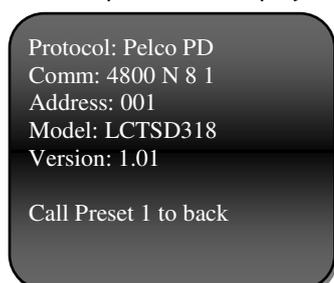
<Protocol>: Display protocol in use, fil to DIP-Switch 1
<Comm>: Display the communication parameter fil to DIP-Switch 1
<address>: Display assigning address of Speed Dome fil to DIP-Switch 2
<Model>: Display the model in use of three available (LCTSD318-LCTSD326-LCTSD336)
<Version>: firmware version
Call the Preset 1 to back.

D *Password*

In this menu is possible to bump up the security level if the password is enable.

<Input PW>:For input the password the next sub menu display .

```
 Input  PW  :  ******
 Confirm PW: ******
 PW Protection:On
 Back
```

```
 Old PW:  ******
 Back
```
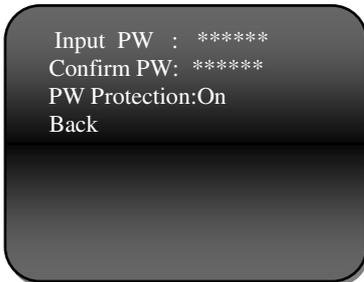
Before to change,input the old password.If old password is correct , cursor goes back, behind "input password" ,so that new password can be input . If old password is not correct,cursor goes back to front of "input password".
<Confirm PW>:Confirm new password.
<PW protection>: On/Off. Arm or Disarm the password request to access system and save Preset.

Note:Default password of the system is *123456*

E *Default*

In this menu is possible to restore factory default settings of Speed Dome.

```
 Password:  ******
 Setup
 Back
```
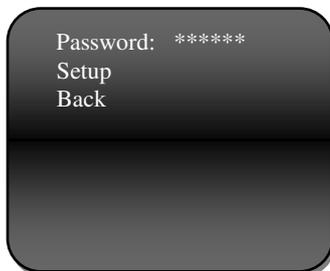
<Password>: Arm the password protection and input user password .
<Setup>: Restore default and remove the configurations.

F *System reboot*

Select *<system reboot>* the dome reboot immediately to make autotest cycle.

3.5 Lens setup

```
 System
 Lens
 Camera
 Pan/Tilt
 Auto Running
 Privacy Mask
 Alarm
 Exit
```

```
 Zoom Speed:                 A
 Digital Zoom:               B
 Joystick AF/AI:             C
 AutoFocus Time:
 AutoIris Time:              D
 ALC:
 Day/Night                   E
 Back                        F
                             G
```
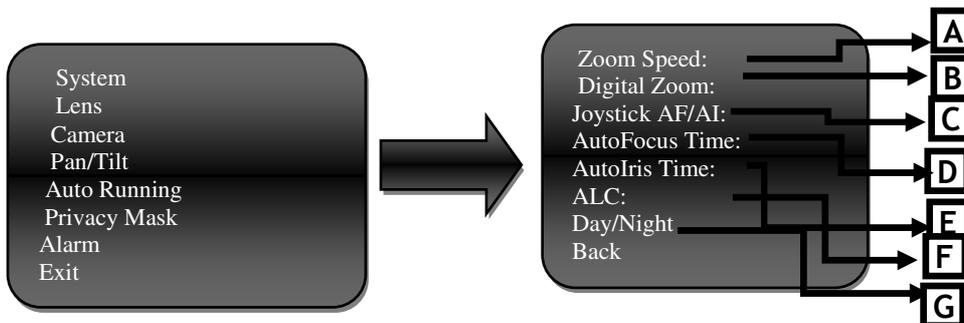
A *Zoom Speed*

Set the zoom speed level to high or low .

B *Digital Zoom*

Arm *<On>* or disarm *<Off>* digital zoom.

C *Joystick AF/AI*

Select function wanted between *<AF+AI>, < Iris>, < Focus> and <Off>*.
<AF+AI>: Select this option ,camera can put automatically mode auto focus and electronics shutter.
<Iris>: Select this option camera can put on mode automatically only electronics shutter,but focus can also be manually controlled. (Point E)
<Focus>: Select this option camera can put on mode automatically only focus up,but electronics shutter can also be manually controlled . (Point D)
<Off>. Select this option camera do not make any automated control, that is necessary operator intervention.

D *Autofocus Time*

In this menu is possible disarm/arm *<Off>* If on is up , select seconds *<0-255>*, In here the dome can be manually controlled, this function consent to restore auto focus automated , After user time .

E *Autoiris Time*

In this menu is possible disarm/arm *<Off>* ,if on is up seconds *<0-255>*.In here the dome can be manual IRIS, this function consent to restore auto IRIS automated, after user time.

F *ALC*

Select value between 0 and 31 for electronics shutter standard opening to define. The parameter is programmed if IRIS manual control is up .
Default value : 23X
NOTE: Keep the default value is strongly recommended.

G *Day/Night*

Arm *<Auto>* or disarm *<Off>* the Day/Night function.
<Auto>: The Dome changes automatically color to black from white second environment lightness.

<Off> The Dome always as a color camera. Use this option in light environment.

3.6 CAMERA – Camera Setup

System
Lens
Camera
Pan/Tilt
Auto Running
Privacy Mask
Alarm
Back

Sensibility — **A**
Freeze Mode: — **B**
White Balance: — **C**
BLC Mode —
Back — **D**
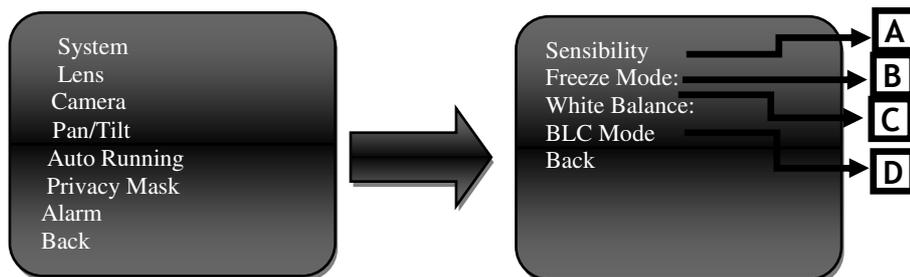
A *Sensibility*

In This menu is possible to change setup time of the shutter, to get the light, that has to pass on the CCD sensor; time is most high to open , more elevated show to light so CCD charget; the image always come out of more brightness .Time of show will be smaller and image come out of more darkness. Select one of the next option : *x1-x2-x4-x8-x15-x30-x60 (Default)-x80-x90-x100-x125-x180-x250-x350-x500-x725-x1000-x1500-x2000-x3000-x4000-x6000-x10000*.

B *Freeze Mode*

Arm *<On>* or disarm *<Off>* Freeze function for image freeze.

C *White Balance*

Select modality between the next option:
<Auto>: Select this option, automatically carry out.
<Inside>:Use this option for inside application .
<Outside>:Use this option for outside application.
<ATW> Auto Tracking White. Function automated of middle white balance.

WB-R :   000
WB-B :   000
Back
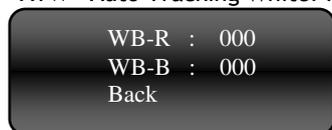
<OPW> Do not use.
<Manual> Select Manual, the video displays sub menu to adjust color red and blue manually.

BLC Mode

Select this option to access in sub menu and arm <*On*> or disarm <*Off*> the function.

> ➤   BLC Mode : On
>   Back
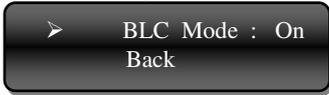
3.7 PAN/TILT setup
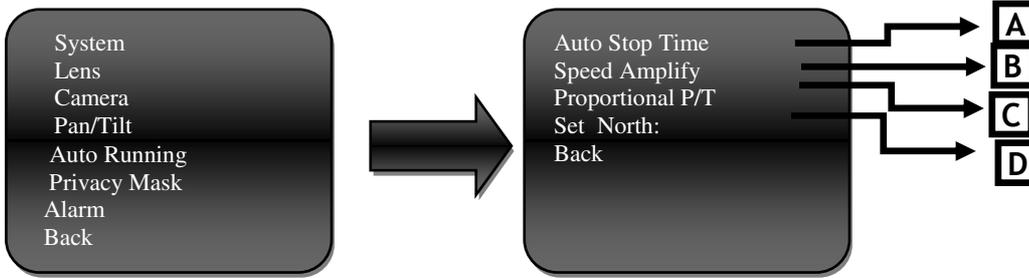
A   *Auto Stop Time*

The function and select some particular protocol Dome will not stop moving even there is no operation on joystick. In this menu is possible arm/disarm ,the seconds that dome will stop moving without receiving any commands.
Note: Do not put in the function with protocol Pelco PD.

B   *Speed Amplify*

The speed of Dome is mush lower with some protocols' control. In this menu is possible set (speed amplify) to accelerate domes. Select one parameter between *x1* and *x32*.
Note: Do not put in the function with protocol Pelco PD.

C   *Proportional P/T*

Arm <On> and disarm <Off> function, for proportional movement while zooming in. If is up, this function decreases pan and tilt movement while zooming in.

D   *Set North*

Be better to set geographic north.

3.8 Auto running setup

A *Preset*

➤ Preset
Tour
Cruise
Pattern
Zone
Park Time:
Park Time:
Back

Preset No:
Name:
Current Setup
Test
Next Test
Remove current
Back
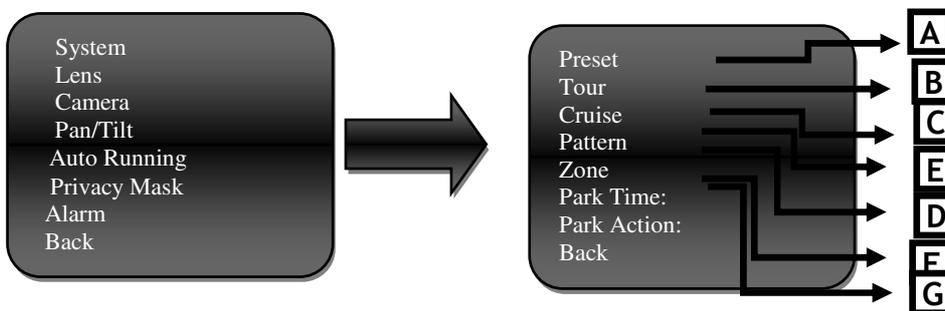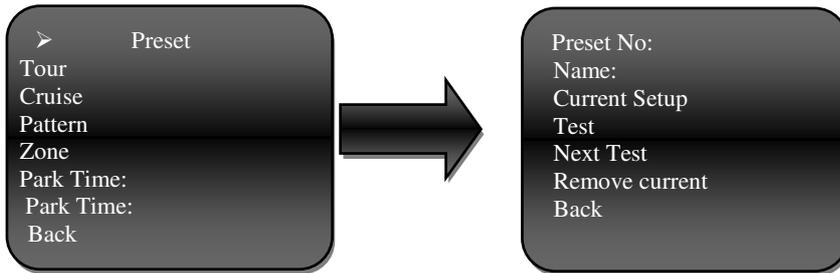
Select <Preset> to enter sub menu and control Preset:
<Preset Number>: Select preset number to be make on or adjustment.
<Name>: Put preset name to show.
<Current Setup >: Save Preset .
<Test>: The current preset test.
<Next Test >:The next preset test.
<Remove current>: Select to delete the current preset.

B *Tour*

Preset
Tour
Cruise
Pattern
Zone
Park Time:
Park Action:
Back

Tour No:
Interval:
Edit
Test
Run
Back
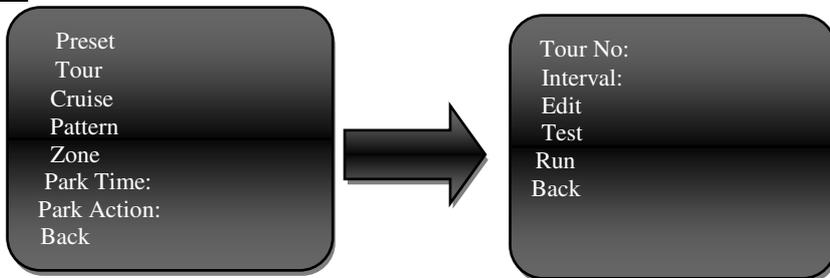
Select <Tour> To enter sub menu and make on or adjustment 4 Tours:
<Tour Number>: Set tour number.
<Interval>: Select standard dwell time of preset status.
<Edit>: Selected this, in the sub menu is possible select preset order looked and its length of time.
<Test>: The current tour test.
<Run>: To run the current manual tour.

C *Cruise*

Preset
Tour
Cruise
Pattern
Zone
Park Time:
Park Action:
Back

Cruise Number
Left Position:
Right Position :
Speed
Run
Back
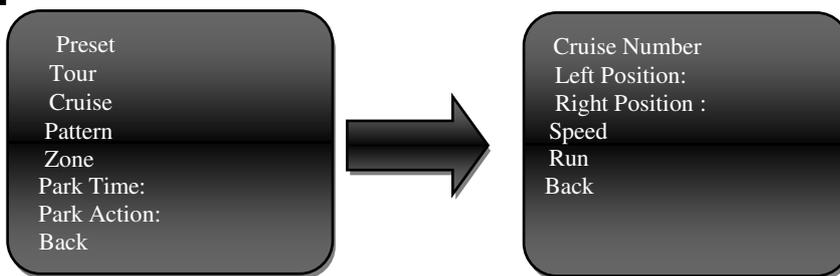
Select <Cruise> to enter sub menu and control 4 Cruise :
<Cruise Number>: Set Cruise number.
<Left Position>: In here , move the camera to the desired limit of left position.
<Right position>: In here ,move the camera to the desired limit of right position.
<Speed>: Set the scanning speed . Range value is (1-255)
<Run>: To run the current manual Cruise .

D *Pattern*

```
Preset
Tour
Cruise
Pattern
Zone
Park Time:
Park Time:
Back
```

```
Pattern Numbe:
Record:
Test:
Run
Back
```
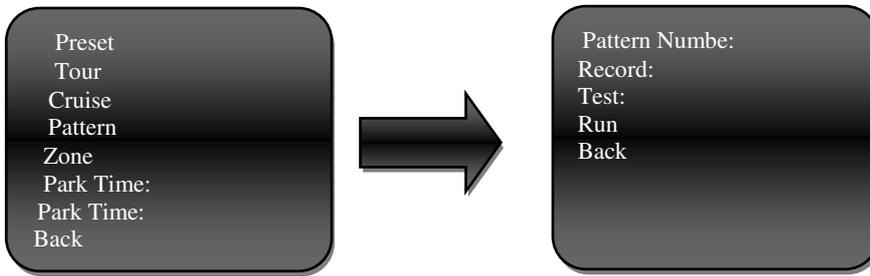
Select<Pattern> to enter sub menu and control Pattern :
<Pattern Number>: Select Pattern record number.
<Record>: Here move the camera to desired positions, to recording really passage.
<Test>: The current pattern test.
<Run>: to run the current manual   Pattern.

E *Zone*

```
Preset
Tour
Cruise
Pattern
Zone
Park Time:
Park Action:
Back
```

```
Zona Number:
Name:
Left limit:
Right limit:
Remove
Speed
Run
Back
```
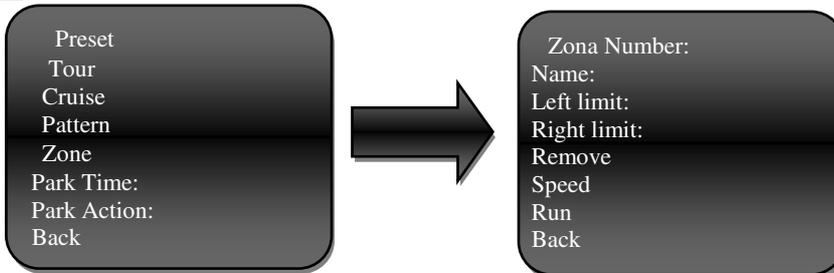
Select <Zone> to enter sub menu and control 6 zone at personal :name and passage speed.
<Zone Number>: Select zone name.
<Name>: Put desired zone name.
<Left limit >: In here , move the camera to the desired left limit.
<Right limit>: In here, move the camera to the desired right limit .
<Remove>: Select to delete the current Zone.
<Speed>: Set the current scanning speed . Range value is (1-255) .
<Run>: To start scanning the current zone.

F *Park Time*

This function let the system automatically run on assigned function after a specific period of idle time. Select time between 1 and 255s to arm function. Select OFF to disable this function.

C *Park Action*

Park action refers to the function that system will automatically run when park time is up.The function liable to be constituted from the: call preset; run tour, cruise or pattern setup.

3.9 Privacy mask - Area privacy setup

```
System
Lens
Camera
Pan/Tilt
Auto Running
Privacy Mask
Alarm
Exit
```

```
Mask Number:
Mask Setup
Remove Mask
Remove All
Back
```
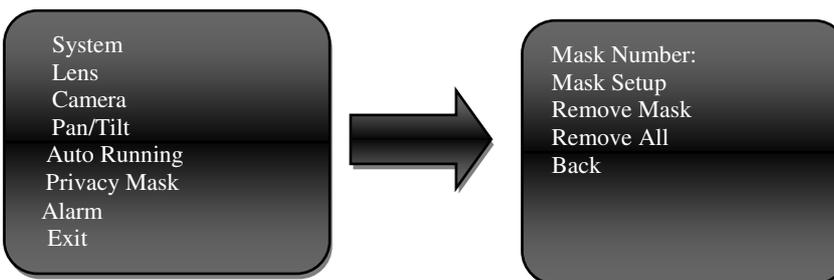
Privacy Mask

Select <Privacy Mask> to enter sub menu and control 8 masking zones.
< Mask Number>: Select mask zone number.
<Mask setup>: Set the position and size of the masking zone. Before to mask, make sure with camera just be position to the cover zone. Up on in menu is not possible to move the dome.
 <Mask Remove>: Remove current mask.
<All Remove>: Remove all mask zone.

3.10 Alarm - Alarm setup

```
System
Lens
Camera
Pan/Tilt
Auto Running
Privacy Mask
Alarmi
Back
```

```
Alarm In 1:
Alarm In 2:
Alarm In 3:
Alarm In 4:
Alarm In 5:
Alarm In 6:
Alarm In 7:
Alarm In 8:
Exit 1:
Arm/Disarm
Interval <s>:
Back:
```
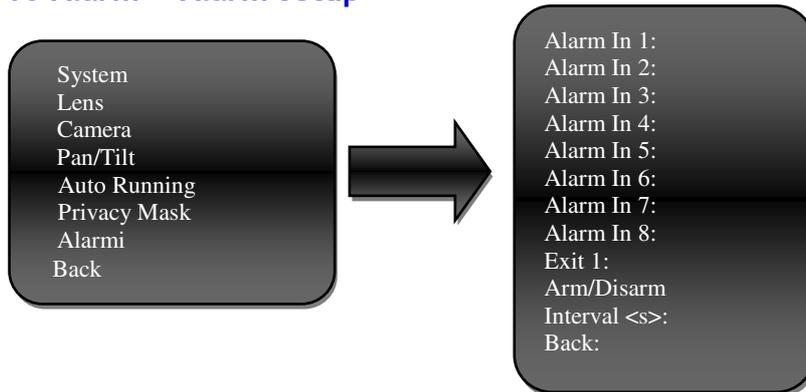
Alarm

Select <Alarm> to enter sub menu and control input and output alarm.

< Alarm In 1-8>: For each input alarm , is possible associate preset or select 1 to the 4 tour, cruise or pattern setup.

*<Output 1>:*ON/OFF. Select arm/disarm output relay.

 <Arm/Disarm>: Arm or disarm the alarm system.

<Interval>: Set the time after which the alarm will be reset . During setup this time output relay stays up.

4. APPENDIX

DIP-SWITCH AND ADDRESS SETTING CHART

ID	1	2	3	4	5	6	7	8	ID	1	2	3	4	5	6	7	8
1	ON	ON					ON		2		ON						
3	ON	ON							4			ON					
5	ON		ON						6		ON	ON					
7	ON	ON	ON						8				ON				
9	ON			ON					10		ON		ON				
11	ON	ON		0N					12			ON	ON				
13	ON		ON	ON					14		ON	ON	ON				
15	ON	ON	ON	ON					16					ON			
17	ON				ON				18		ON			ON			
19	ON	ON			ON				20			ON		ON			
21	ON		ON		ON				22		ON	ON		ON			
23	ON	ON	ON		ON				24				ON	ON			
25	ON			ON	ON				26		ON		ON	ON			
27	ON	ON		ON	ON				28			ON	ON	ON			
29	ON		ON	ON	ON				30		ON	ON	ON	ON			
31	ON	ON	ON	ON	ON				32						ON		
33	ON					ON			34		ON				ON		
35	ON	ON				ON			36			ON			ON		
37	ON		ON			ON			38		ON	ON			ON		
39	ON	ON	ON			ON			40				ON		ON		
41	ON			ON		ON			42		ON		ON		ON		
43	ON	ON		ON		ON			44			ON	ON		ON		
45	ON		ON	ON		ON			46		ON	ON	ON		ON		
47	ON	ON	ON	ON		ON			48					ON	ON		
49	ON				ON	ON			50		ON			ON	ON		
51	ON	ON			ON	ON			52			ON		ON	ON		
53	ON		ON		ON	ON			54		ON	ON		ON	ON		
55				ON	ON	ON			56	ON			ON	ON	ON		
57		ON		ON	ON	ON			58	ON	ON		ON	ON	ON		
59			ON	ON	ON	ON			60	ON		ON	ON	ON	ON		
61									62		ON	ON	ON	ON	ON		
63	ON	ON	ON	ON	ON	ON			64							ON	
65	ON						ON		66		ON					ON	
67	ON	ON					ON		68			ON				ON	
69	ON		ON				ON		70		ON	ON				ON	
71	ON	ON	ON				ON		72				ON			ON	
73	ON			ON			ON		74		ON		ON			ON	
75	ON	ON		ON			ON		76			ON	ON			ON	
77	ON		ON	ON			ON		78		ON	ON	ON			ON	
79	ON	ON	ON	ON			ON		80					ON		ON	
81	ON				ON		ON		82		ON			ON		ON	
83	ON	ON			ON		ON		84			ON		ON		ON	
85	ON		ON		ON		ON		86		ON	ON		ON		ON	
87	ON	ON	ON		ON		ON		88				ON	ON		ON	
89	ON			ON	ON		ON		90		ON		ON	ON		ON	
91	ON	ON		ON	ON		ON		92			ON	ON	ON		ON	
93	ON		ON	ON	ON		ON		94		ON	ON	ON	ON		ON	
95	ON	ON	ON	ON	ON		ON		96						ON	ON	
97	ON					ON	ON		98		ON				ON	ON	
99	ON	ON				ON	ON		100			ON			ON	ON	
101	ON		ON			ON	ON		102		ON	ON			ON	ON	
103	ON	ON	ON			ON	ON		104				ON		ON	ON	
105	ON			ON		ON	ON		106		ON		ON		ON	ON	
107	ON	ON		ON		ON	ON		108			ON	ON		ON	ON	
109	ON		ON	ON		ON	ON		110		ON	ON	ON		ON	ON	
111	ON	ON	ON	ON		ON	ON		112					ON	ON	ON	
113	ON				ON	ON	ON		114		ON			ON	ON	ON	
115	ON	ON			ON	ON	ON		116			ON		ON	ON	ON	
117	ON		ON		ON	ON	ON		118		ON	ON		ON	ON	ON	
119	ON	ON	ON		ON	ON	ON		120				ON	ON	ON	ON	
121	ON			ON	ON	ON	ON		122		ON		ON	ON	ON	ON	
123	ON	ON		ON	ON	ON	ON		124			ON	ON	ON	ON	ON	
125	ON		ON	ON	ON	ON	ON		126		ON	ON	ON	ON	ON	ON	
127	ON	ON	ON	ON	ON	ON	ON		128								ON
129	ON							ON	130		ON						ON
131	ON	ON						ON	132			ON					ON
133	ON		ON					ON	134		ON	ON					ON
135	ON	ON	ON					ON	136				ON				ON
137	ON			ON				ON	138		ON		ON				ON
139	ON	ON		ON				ON	140			ON	ON				ON
141	ON		ON	ON				ON	142		ON	ON	ON				ON
143	ON	ON	ON	ON				ON	144					ON			ON

No.	1	2	3	4	5	6	7	8	No.	1	2	3	4	5	6	7	8
145	ON				ON			ON	146		ON			ON			ON
147	ON	ON			ON			ON	148			ON		ON			ON
149	ON		ON		ON			ON	150		ON	ON		ON			ON
151	ON	ON	ON		ON			ON	152				ON	ON			ON
153	ON			ON	ON			ON	154		ON		ON	ON			ON
155	ON	ON		ON	ON			ON	156			ON	ON	ON			ON
157	ON		ON	ON	ON			ON	158		ON	ON	ON	ON			ON
159	ON	ON	ON	ON	ON			ON	160						ON		ON
161	ON					ON		ON	162		ON				ON		ON
163	ON	ON				ON		ON	164			ON			ON		ON
165	ON		ON			ON		ON	166		ON	ON			ON		ON
167	ON	ON	ON			ON		ON	168				ON		ON		ON
169	ON			ON		ON		ON	170		ON		ON		ON		ON
171	ON	ON		ON		ON		ON	172			ON	ON		ON		ON
173	ON		ON	ON		ON		ON	174		ON	ON	ON		ON		ON
175	ON	ON	ON	ON		ON		ON	176					ON	ON		ON
177	ON				ON	ON		ON	178		ON			ON	ON		ON
179	ON	ON			ON	ON		ON	180			ON		ON	ON		ON
181	ON		ON		ON	ON		ON	182		ON	ON		ON	ON		ON
183	ON	ON	ON		ON	ON		ON	184				ON	ON	ON		ON
185	ON			ON	ON	ON		ON	186		ON		ON	ON	ON		ON
187	ON	ON		ON	ON	ON		ON	188			ON	ON	ON	ON		ON
189	ON		ON	ON	ON	ON		ON	190		ON	ON	ON	ON	ON		ON
191	ON	ON	ON	ON	ON	ON		ON	192							ON	ON
193	ON						ON	ON	194		ON					ON	ON
195	ON	ON					ON	ON	196			ON				ON	ON
197	ON		ON				ON	ON	198		ON	ON				ON	ON
199	ON	ON	ON				ON	ON	200				ON			ON	ON
201	ON			ON			ON	ON	202		ON		ON			ON	ON
203	ON	ON		ON			ON	ON	204			ON	ON			ON	ON
205	ON		ON	ON			ON	ON	206		ON	ON	ON			ON	ON
207	ON	ON	ON	ON			ON	ON	208					ON		ON	ON
209	ON				ON		ON	ON	210		ON			ON		ON	ON
211	ON	ON			ON		ON	ON	212			ON		ON		ON	ON
213	ON		ON		ON		ON	ON	214		ON	ON		ON		ON	ON
215	ON	ON	ON		ON		ON	ON	216				ON	ON		ON	ON
217	ON			ON	ON		ON	ON	218		ON		ON	ON		ON	ON
219	ON	ON		ON	ON		ON	ON	220			ON	ON	ON		ON	ON
221	ON		ON	ON	ON		ON	ON	222		ON	ON	ON	ON		ON	ON
223	ON	ON	ON	ON	ON		ON	ON	224						ON	ON	ON
225	ON					ON	ON	ON	226		ON				ON	ON	ON
227	ON	ON				ON	ON	ON	228			ON			ON	ON	ON
229	ON		ON			ON	ON	ON	230		ON	ON			ON	ON	ON
231	ON	ON	ON			ON	ON	ON	232				ON		ON	ON	ON
233	ON			ON		ON	ON	ON	234		ON		ON		ON	ON	ON
235	ON	ON		ON		ON	ON	ON	236			ON	ON		ON	ON	ON
237	ON		ON	ON		ON	ON	ON	238		ON	ON	ON		ON	ON	ON
239	ON	ON	ON	ON		ON	ON	ON	240					ON	ON	ON	ON
241	ON				ON	ON	ON	ON	242		ON			ON	ON	ON	ON
243	ON	ON			ON	ON	ON	ON	244			ON		ON	ON	ON	ON
245	ON		ON		ON	ON	ON	ON	246		ON	ON		ON	ON	ON	ON
247	ON	ON	ON		ON	ON	ON	ON	248				ON	ON	ON	ON	ON
249	ON			ON	ON	ON	ON	ON	250		ON		ON	ON	ON	ON	ON
251	ON	ON		ON	ON	ON	ON	ON	252			ON	ON	ON	ON	ON	ON
253	ON		ON	ON	ON	ON	ON	ON	254		ON	ON	ON	ON	ON	ON	ON

MEMO

C E

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