

Parameters	Default Value	Parameters	Default Value
IP Address	192.168.1.19	DDNS	Off
Subnet Mask	255.255.255.0	Moving Detection	Off
Gateway	192.168.1.1	Probe Alarm	Off
Wireless IP Address	192.168.0.19	PPPOE	Off
WirelessSubnet Mask	255.255.255.0	Remote Host Port	3004
WirelessGateway	0.0.0.0	DNS Port	8080
SSID	TP-LINK	Default Supervisor name	888888
Transmission Starting Port	3000	DefaultSupervisor password	888888
Data Control Port	3001	Default Operator name1	1
Web Port	80	Default Operator password1	1
Multi Cast Address	235.1.1.1	Default Operator name2	2
Multi Cast Port	6500	Default operator password2	2
Baud rate	9600	protocol	PELCO-D

OUTDOOR IP SPEED DOME CAMERA

USER INSTRUCTION

Attention:

1. [IP Address] scale must be different from [Wireless IP Address] scale. For example, [IP Address] is "192.168.1.19", [Wireless IP Address] must be different from "192.168.1.*".
2. [Wireless IP Address] scale must be same as the IP scale of Wireless router or Wireless AP. For example, the IP of Wireless router is 192.168.0.1, then, [Wireless IP Address] must be set to "192.168.0.*".
3. Wireless IP dome can be access less than 150 meters from Wireless AP by direct sight.
4. If you want to change the Wireless IP Address, please use the IPRS software in the CD according to IPRS user manual.



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

PRECAUTIONS

1 Do not attempt to disassemble the camera.

To prevent electric shock, do not remove screws or covers.

There are no user-serviceable parts inside.

Ask a qualified service personnel for servicing.

2 Handle the camera with care.

Do not abuse the camera. Avoid striking, shaking, etc. The camera could be damaged by improper handling or storage.

3 Do not use strong or abrasive detergents when cleaning the camera body.

Use a dry cloth to clean the camera when it is dirty.

When the dirt is hard to remove, use a mild detergent and wipe gently. Care should be taken not to scratch the dome when wiping it.

Afterwards, wipe off the remained part of the detergent in it with a dry cloth.

4 Never face the camera towards the sun.

Do not aim the camera at bright objects. Whether the camera is in use or not, never

aim it at the sun or other extremely bright objects. Otherwise, blooming or smear maybe caused.

5 Never face the camera towards a place exposed to light sources for a long time.

If light sources such as spot light cause burn-in on the display screen, part of image

may discolour due to deterioration of colour filter in CCD when changing aim of the camera etc.

Tilt speed	0.5~180°/sec
Communication	RS485
Controls	Pan / Tilt; Lens; 128 preset positions
Auto pan	ON / OFF
Auto Tracking mode	ON / OFF; 6 cruising tracks
Power source	DC12V
Operating temperature	-10°C~50°C
Dimensions	Φ235×268mm (H)
Weight	Approx 5.5Kg

CRUISING AND SCANNING FUNCTIONS

Among 6 circuits of cruising, every can set up 16 presetting locations. From No. 55 to 60 presetting location are for setting up and transferring the circuit of cruising No. 1 to 6 sequentially. Set up the first cruising in the circuit according to the following steps:

1. Carry out No.55 order that presets the location, which shows it has entered the state of setting up
2. Transfer the presetting location that you want to set up in the middle of the circuit, for instance the 1st, the 3rd, etc.
3. Wait for the time that you want to stay (the time of staying getting between the next point), and don't do any operation
4. Transfer the next presetting location that you want to set up in the circuit; if there are still presetting locations to join to the circuit, the 3rd and 4th steps will be carried out (otherwise the 5th step should be carried out) and setting up is finished.
5. Carry out any order except orders of transferring **presetting** locations, such as motion orders from head to foot, or carrying out the No.55 order that sets up presetting locations. It shows that finishes the state of setting up.

73		Auto aperture mode
74		Manual aperture mode
75	Guard Position Open	
76	Guard Position Close	
99	Automatically scan	
96	Stop automatically scan	
94	Restore factory settings.	
93	Level rotate 180 degrees	
92	The level of 360-degree continuous scanning	
91	Installed power moves	

SPECIFICATION

Effective pixels	752(H)×582(V)
Scanning area	3.6mm(H)×2.71mm(V); 1/4inch
Video output	1.0Vp-p
Horizontal resolution	More than 480TVL
S/N Ratio	≥48dB
Minimum illumination	1Lux/0.01Lux B/W mode
Iris	Auto / Manual
Focus	Auto / Manual
White Balance	Auto / Manual
BLC	ON / OFF
Day/Night mode	Auto / Manual
Panning range	360°endless
Pan speed	0.5~300°/sec
Tilt range	0~90°

6 Do not install this camera upside down.

This camera is designed for mounting on the ceiling or wall. Using this camera installed upside down, for example, mounted on the floor, may cause malfunction.

7 Do not operate the camera beyond the specified temperature, humidity or power source ratings.

Do not use the camera in an extreme environment where high temperature or high humidity exists. Do not place near heat sources such as radiators, stoves or other units that produce heat.

Use the camera under conditions where temperature is between -30°C - +50°C, and humidity is below 90 %. The input power source is AC110V.

8 Do not install the camera near the air out-let of an air conditioner.

The lens may become cloudy due to condensation if the camera is used under the following conditions.

- Rapid temperature fluctuations by switching the air conditioner on and off.
- Rapid temperature fluctuations due to frequent door opening and closing.
- Use in an environment where eyeglasses become foggy.
- Use in a room filled with cigarette smoke or dust.

If the lens becomes cloudy due to condensation, remove the dome cover and wipe all moist surfaces with a soft cloth.

9 Consumables

Parts having contacts such as the lens-drive motors, cooling fan motor and slip-rings built inside the camera are subject to wear with time. About replacement and maintenance of such parts, please ask the nearest service center.

10 Do not aim the camera at the same object for a long time.

Burn-in of an image may be caused on the fluorescent screen of CRT.

CONNECTIONS & INSTALLATION

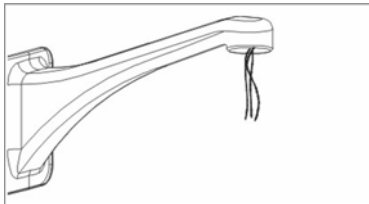
Precautions

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

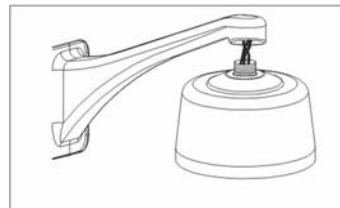
The first installation

1. Step 1. Install Back Box

Note: If installed outdoors, make sure the dome is properly sealed to keep moisture and high temperature out.



a. Pull out video cable, power cord and control code line through the bracket as shown in the picture.



b. Unscrew the thumb screw on the circuit board inside the back box and open the board.

Table B. Cameras installed – Switch 4~5 of SW1

Camera Brand	DIP-4	DIP-5
SONY	OFF	OFF
HITACHI	ON	OFF
CNB	OFF	ON
LG / CANON	ON	ON

No.	Call Preset NO. N (NO. + call)	Set Preset No. N (NO. + shift + call)
55	Start Preset Scan Group 1	Set Preset Scan Group 1
56	Start Preset Scan Group 2	Set Preset Scan Group 2
57	Start Preset Scan Group 3	Set Preset Scan Group 3
58	Start Preset Scan Group 4	Set Preset Scan Group 4
59	Start Preset Scan Group 5	Set Preset Scan Group 5
60	Start Preset Scan Group 6	Set Preset Scan Group 6
62	Guard Position	
63	Left Limit	
64	Right Limit	
65	Close backlight compensation	
66	Open backlight compensation	
67	Close digital variable power	
68	Open digital variable power	
69	Automatic color to the black model	
70	Manual mode color to black	
71	Manual mode color to black to color	
72	Manual color to black to black-and-white mode	

9	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON
10	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF
11	OFF	OFF	OFF	OFF	ON	OFF	ON	ON
12	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF
13	OFF	OFF	OFF	OFF	ON	ON	OFF	ON
14	OFF	OFF	OFF	OFF	ON	ON	ON	OFF
15	OFF	OFF	OFF	OFF	ON	ON	ON	ON
16	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF
17	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON
18	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF
19	OFF	OFF	OFF	ON	OFF	OFF	ON	ON
20	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF
...

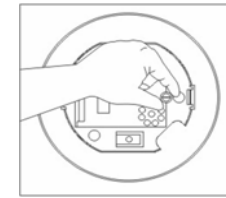
SETTING PROTOCOL & BAUD RATE – SW1

Table A. Protocol Setting – Switch 1~3 of SW1

Agreement	Baud Rate	DIP-1	DIP-2	DIP-3
AD		OFF	OFF	OFF
PELCO-D	2400	ON	OFF	OFF
PELCO-D	4800	ON	OFF	ON
PELCO-D	9600	OFF	ON	ON
PELCO-P	2400	OFF	ON	OFF
PELCO-P	4800	ON	ON	OFF
PELCO-P	9600	OFF	OFF	ON

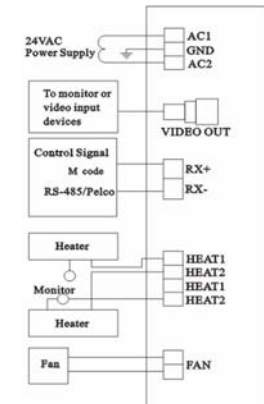


c. Pull wiring into the back box. Make sure there is enough length for connection.



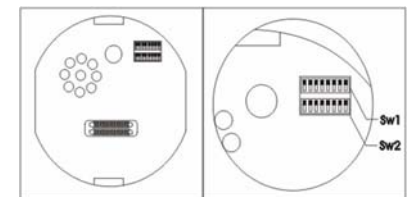
d. Screw the back box into the bracket. If installed outdoors, wipe waterproof around the threads in the

Step 3. Install Dome Drive



Step 2. Connect Video Cable, Power Cord and Control Code Line

Pull the wiring to the circuit board inside the back box, close the board and supply power.

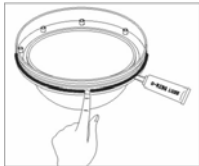


c. Slip the latch with green tag in the dome drive into the back box along corresponding green tag in the back box, then the red one, until whole dome drive is engaged.
 Note: Before slowly releasing hands, slightly drag the dome drive downwards to ensure it has been fully engaged into the back box in case of dome drive's falling.

Step 4. Install Lower Dome



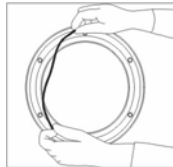
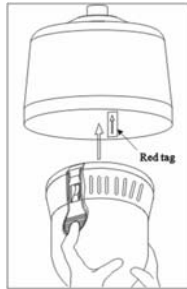
a. Take the O-ring out of the groove; wipe lube equably into the groove.
 Note: Lube shouldn't be too thick, or it would overflow during the course of embedding the O-ring.



c. Wipe lube around the O-ring in the groove uniformly.

Note: If the dome installed

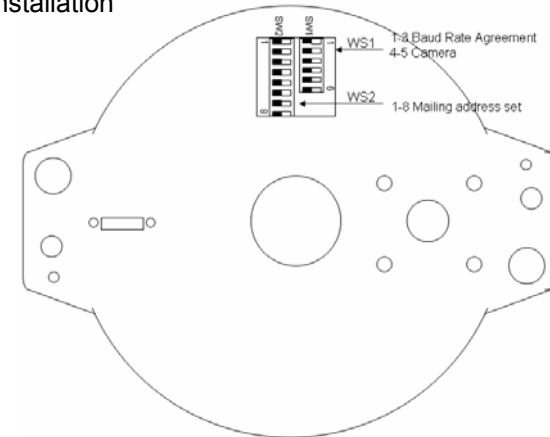
d. Fix one end of the safety belt in the lower dome to the bolt in the back box. Detach the 2 screws at the edge of the lower dome, push the lower dome into the back box along the holes and install the 2 screws into the holes to fix the lower dome.



b. Embed the O-ring into the groove and wheel it to make the lube uniform.

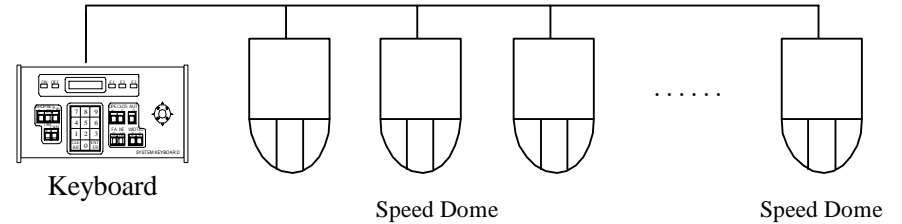


The second installation



ID SETTING – SW2

Set the address ID by switch the on the bottom of the Core-Dome before rotate it into the dome housing. Set the address ID code according to the schedule.



Address	Switch 8	Switch 7	Switch 6	Switch 5	Switch 4	Switch 3	Switch 2	Switch 1
1	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON
2	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF
3	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON
4	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF
5	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON
6	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF
7	OFF	OFF	OFF	OFF	OFF	ON	ON	ON
8	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF