

Instruction of 5W/5B Series decoding dome pan/tilt

Thanks for using our products. Please read the instruction carefully.

The low-speed dome pan is the combination of the omnibearing dome pan and many protocol decoder, reduce the processing of connection, installation of system parts mostly, improve the reliability of system. Easy to install and service.

1. Feature

- 32/38 single or double PCB could be set in.
- Many specifications of lens could be installed, such as 4mm, 6mm, 8mm, 12mm and so on.
- Built-in decoder, combo of many protocols, user can set the protocol and baud rate as the requirement of the system.
- RS485 series controller dome address: 1-63 digits.

2. Address setting of Dome pan

The address switch SW1 corresponds to the number of camera as below.

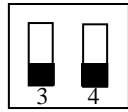
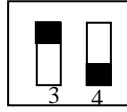
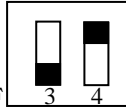
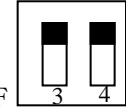
Camera	Address switch					
Code	1	2	3	4	5	6
1	1	0	0	0	0	0
2	0	1	0	0	0	0
3	1	1	0	0	0	0
...
63	1	1	1	1	1	1

(0 means the switch is off, 1 means the switch is on).

The bridle wire of JP that on the PCB is the 120Ω termination resistor switch of RS-485 BUS. When the bridle wire is switched off, the 120Ω termination resistor is in incomplete circuit, when the bridle wire is in short-circuit condition, the termination resistor parallel connect with RS-485 BUS. There is only one Dome Pan could connect into the circuit in all of the RS-485 BUS system.

3. Setting of protocol and baud rate

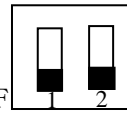
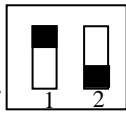
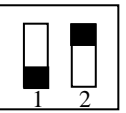
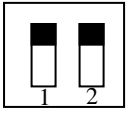
3.1 Setting of protocol: set the location 3, 4 of SW2 as the protocol.

Dial code	ON OFF 	ON OFF 	ON OFF 	ON OFF 
Protocol	PELCO-D	PANASONIC	Many Protocols	MATRIX

Protocols: PELCO-P, PELCO-N, HY. WEISON, RM110 and VICANYX and so on.

Matrix protocol: SAMSUNG, KRE-301RX, DH and so on.

3.2 Setting of Baud rate: set the location 1, 2 of SW2 as the requirement of the system.

Dial code	ON OFF 	ON OFF 	ON OFF 	ON OFF 
Baud rate	1200	2400	4800	9600

(0 means the switch is off, 1 means the switch is on, the above table is same).

4. Self checking function of Dome pan

Switch the SW1 and SW2 to be "OFF" after power down, then self checking when power supplying again, lamps flashing.

Function of dial code	Address switch									
Dial	1	2	3	4	5	6	1	2	3	4
Auto	1	0	0	0	0	0	0	0	0	0
Up	0	1	0	0	0	0	0	0	0	0
Down	0	0	1	0	0	0	0	0	0	0
Left	0	0	0	1	0	0	0	0	0	0
Right	0	0	0	0	1	0	0	0	0	0
Assist	0	0	0	0	0	1	0	0	0	0

5. Specification

Operation Condition: Indoor.

Operation Temperature: -10°C-50°C.

Rotation Angle: PAN: Min: 0°-20°, Max: 0°-355°; TILT: 0°-90°Rotation.

Speed: PAN: 12 °/s , TILT:10~30°/s (Alternative) .

Max weight of adding parts: 0.5 kg .

Basic function: Autorotation up, down, left, right, top.

Supplied Power: DC12v, electric current: <200mA (Not include the electric current of camera).

The infrared distance: 20m.

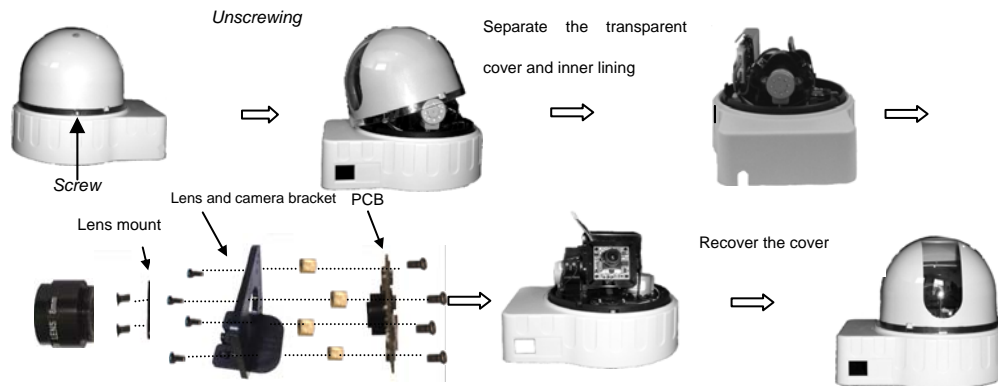
Dimension and weight

NO	Code	(LxBxH) mm	Weight (g)
1	5W2	166×138×140	690
2	5W6	166×138×170	600
3	5B2	Φ 168×130	750
4	5B6	Φ 168×160	650

(The weight will adding 100g if set by wall type.)

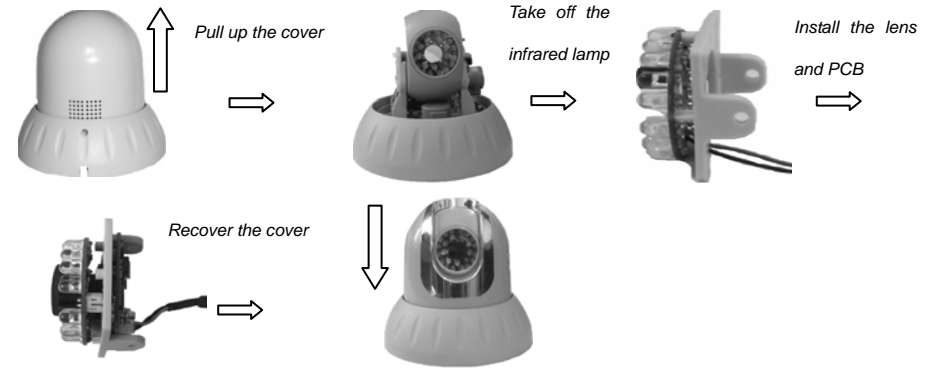
6. Installation of Dome pan

6.1 Installation of 5W2 lens.



6.2 Installation of 5B2 same with 5W2.

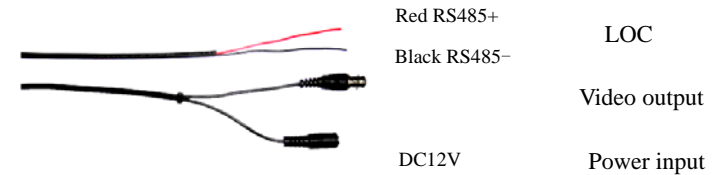
6.3 Installation of 5B6 lens.



6.4 Installation of 5W6 same with 5B6.

7. Connection

Connect the outgoing line



8. Adjusting the angle of the pan

The range Pan: 0-355°, user can adjust the angle as requirement, limiters on every 20°, bolt the long end of limiters on the base for setting the angle, bolt the short end in the holes for back-up.

9. Important Notice

Only use indoor, never use outdoor.

The weight of the camera and board never more than 0.5KG.

Care for the direction when install the PCB and camera lens, connect the pin of electronic source and video after install the PCB.

The controller consist of the DC12v , please pay attention.

Our company would not in charge of the damage of camera and dome by using wrong power supplier.