Dome Housing

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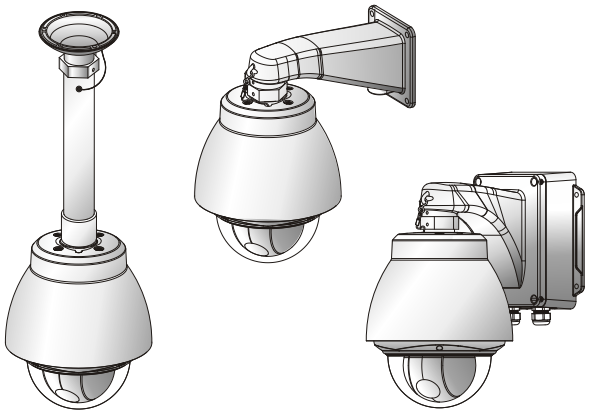
DOME HOUSING



Please read this manual thoroughly before use, and keep it handy for future reference.

6.1 PARTS LIST

NO	NAME	STANDARD	Q'TY
1	Machine Screw	PH M4 X L5 (SUS)	5
2	SunShield	AL	1
3	Ass'y Safety Wire B		1
4	PG	DAPG-16	1
5	Screw Spacer B	MBSB	4
6	Body	AL	1
7	Rubber Gasket	Silicon	1
8	Ass'y Safety Wire A		1
9	Tapping Screw	FH2 M3 X L6	1
10	Machine Screw	PH M3 X L8	3
11	Bubble Ring	ABS	1
12	Tapping Screw	NPH M3 X L5	1
13	O-Ring	Silicon	1
14	Torx Screw	M4 X L17(SUS)	4
15	Clear Bubble or Smoke Bubble	ACRY (2.5t)	1
16	Fan	DC 24V	1
17	Base Camera	AL	1
18	Machine Screw	PH M4 X L8	3
19	Tapping Screw	PH M5 X L14	2
20	Screw Spacer A	MSWR	3
21	Heater Bracket	EGI	1
22	Machine Screw	PH M3 X L4.5	4
23	Fan & Heater Board		1
24	Heater	AC 28V	1
25	Machine Screw	PH M3 X L4.5	2
26	O-Ring	Silicon	4

*The Indoor types don't include the parts of ①, ② and ⑤.
*You can choose one of the Clear Bubble or the Smoke.

6.2 ACCESSORIES

NO	NAME	STANDARD	Q'TY
1	Poly Bag		2
2	Machine Screw	BH M4 X L8	3
3	Torx L-Wrench	T-20, 5mm type	1
4	Manual		1

7. SPECIFICATIONS

ELECTRICAL	
Power source	24VAC, 50/60Hz
Power consumption	Heater 45Watts (28VAC Max. 50Watts) Blower 2.4watts
MECHANICAL	
Construction	Aluminum, Steel and Plastic (ABS)
Finish	Polyester Powder Coat
Dome Bubble	Plastic (Acrylic)
Dimension	Refer to the Figure 5.
Weight	Approx. 6.39lb(2.9kg) - with sunshield Approx. 5.07lb(2.3kg)
GENERAL	
Ambient Environment Temperature	-45°C to 50°C
Ratings	IP 66

8. DIMENSION

Unit : mm ** ( ) is dimensions for 'w/o SunShield' models.

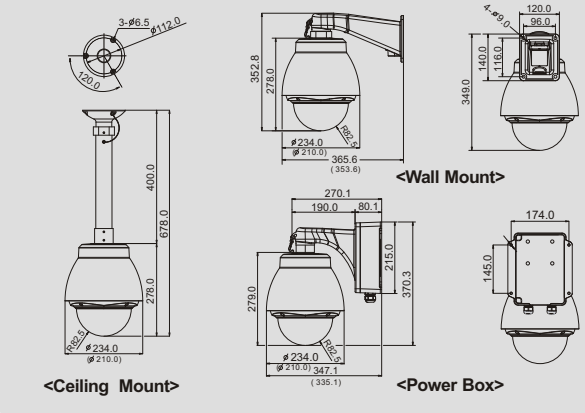


Figure 5. Dimension Drawing

1. GENERAL

1.1 IMPORTANT SAFEGUARDS

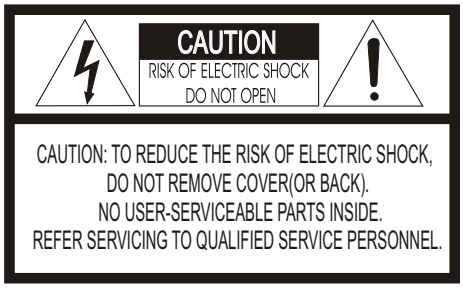
Prior to install and use of this product, the following WARNINGS should be observed.

1. Installation and servicing should only be done by qualified service personnel and conform to all local codes.
2. Unless the unit is specifically marked as a IPXX, it is designed for indoor use only and it must not be installed where exposed to rain and moisture.
3. After replacement/repair of this unit

1.2 WARNINGS AND CAUTIONS:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE. DO NOT INSERT ANY METALLIC OBJECTS THROUGH THE VENTILATION GRILLS OR OTHER OPENINGS ON THE EQUIPMENT.

CAUTION:



EXPLANATION OF GRAPHICAL SYMBOLS

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

2. DESCRIPTION

The Indoor/Outdoor dome housing is used with dome camera. The housing is constructed of aluminum, steel and plastic. The housing is designed to be mounted on both the wall and the ceiling. The housing meets international IP66 standards for dust and moisture resistance. Sunshield model is available for application to avoid the direct rays of the sun.

3. INSTALLATION

Refer to the pages of 6. PARTS LIST.

1. Attach a mounting base on the ceiling or the wall using tapping screws (Ceiling Mount : M6, Wall Mount : M8, Power Box : M6) and plastic bushings.

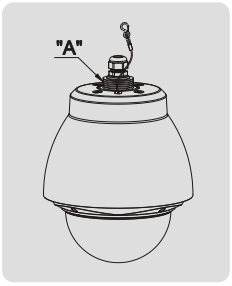


Figure 1

CAUTION :

- For safety, the structure that a mounting base is installed on should be strong enough to support a minimum of 25kg (55.1 lb).
- For safety, a mounting base should be strong enough to support a minimum of 19.8lb (9kg).

2. Wind Teflon Tape around the thread of "A" (Figure 1.) about 20 times for seal.
3. Pull out all the required cables through a mounting base and its pipe.
4. Fit "A" that Teflon Tape is wound around to the base and turn this unit until it is securely fastened.
5. Connect the power connector of 24VAC of the cables to "AC IN" of fan & heater board (23).
6. Connect the power, the Alarm and the communication lines in the cables to the connectors of the Base Board of the Dome Camera.
7. Fasten the Dome Base on the Screw Spacer (18) using 3 screw(BH M4xL8)
8. Attach the Dome Body to the Dome Base.
   After aligning the arrow mark of the Dome Base with the unlock mark of the Dome Body, turn the Dome Body to the lock mark direction.

Note : It is recommended to remove the Window and the Bubble Ring Ass'y of the Dome Camera to improve the quality of picture. (Refer to the Figure. 2)

9. Insert the Rubber Gasket (7) into the Body (6) and fasten the Bubble Ring (11) to the Body (6) using 3 screws (13).

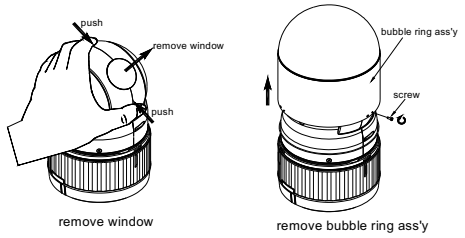
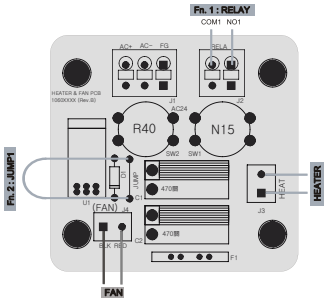


Figure 2. Remove the Window and the Bubble Ring Ass'y



FUNCTION

JUMP1 :
Join JUNP 1 each other to operate the Fan continuously irrespective of temperature changes.

Relay :
Connect the Alarm OUT(Relay) of a Dome to this Relay to work the Heater irrespective of temperature changes. (ex. After connecting RC1 and NO1 of a Dome to this Relay, turn on the Alarm out 1 in the Dome.(Heater ON))

Figure 3. Fan & Heater Board Diagram

4. OPERATION

This housing has controlled the heater and the fan by a thermostat. The thermostat of heater is set to turn it on from 4℃(±5℃) and to turn it off from 15℃(±5℃).
The thermostat of fan is set to turn it on from 40℃(±5℃) and to turn it off from 30℃(±5℃).

5. MAINTENANCE

Perform the following maintenance at regularly scheduled intervals to extend the operational life and appearance of the equipment.
Clean the Bubble with a mild nonabrasive detergent in water and a soft cloth to maintain pictures clarity.

6. PARTS LIST

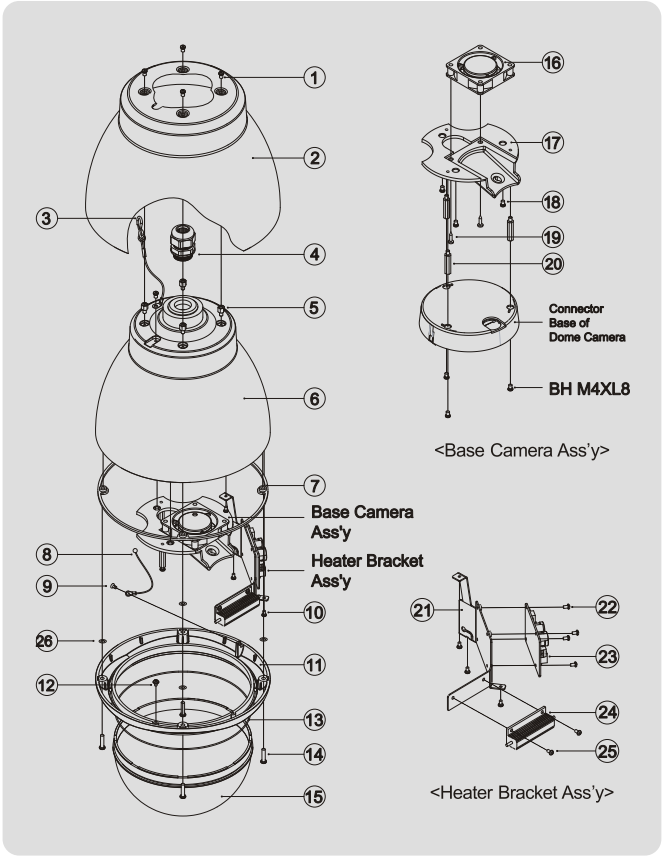


Figure 4. Exploded Assembly Diagram