



# Anti-IR Reflection IR Camera

# Causes and solutions of IR reflection

---

## Example 1

### Cause

Scratches or foreign matters inside or outside the bubble



<Dusty and greasy bubble>

### Solution

- Change the big scratched bubble with the new one.
- Remove the dust, dirt, stains, and spots.
- Use an air blower, a compressed air, or micro fabric to remove the dust and dirt.



Avoid touching the dome during the installation and try to keep the protective film on the camera unit the very end.

## Causes and solutions of IR reflection

---

### Example 2

#### Cause

When the position of the IR LED is inside the top cover



<The screen when the position of the IR LED is inside the top cover>

#### Solution

- Be careful of the tilt angle so that the IR LED should not enter the inside of the top cover.
- Install carefully for the IR LED not to enter the inside of the top cover due to the rotate angle.



## Causes and solutions of IR reflection

---

### Example 3

#### Cause

- Eva Cushion and the set assembly issues
- If the circular shape is distorted by incorrect assembly of the Eva Cushion.
- Top cover fastening is incomplete.



#### Solution

- Make sure that Eva Cushion is firmly pressed against the bubble.
- Make sure that the plastic top cover and the bottom cover are fully tightened.
- Make sure that the vandal top cover and the safety screw are fully tightened.

# Causes and solutions of IR reflection

---

## Example 4

### Cause

If the IR light is reflected by the column or wall in the direction in which the camera is installed and enters the lens.



<Daytime>



<Nighttime>

### Solution

- Avoid direct reflections from nearby objects about 20~30cm(7.87"~11.8") away.
- If there is a wall or pillar near the camera, adjust the angle.

# Causes and solutions of IR reflection

---

## Example 5

### Cause

When the camera mounting surface (ceiling) is the same color as the gypsum board and the ceiling is visible with the tilt angle toward the limit.



### Solution

- Adjust the tilt angle not to cause IR reflection.



**IDIS Co., Ltd.**

For more information, please visit at  
[www.idisglobal.com](http://www.idisglobal.com)