

# **In-ceiling Housing**

## **Installation Manual**

SHD-1600FPW

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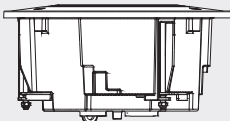
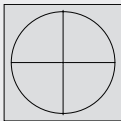
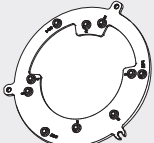
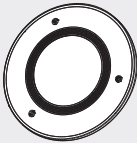
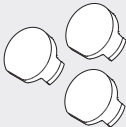
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# OVERVIEW

In-ceiling Housing is an adapter used to mount a smart dome camera in built-in style on a dropped ceiling.

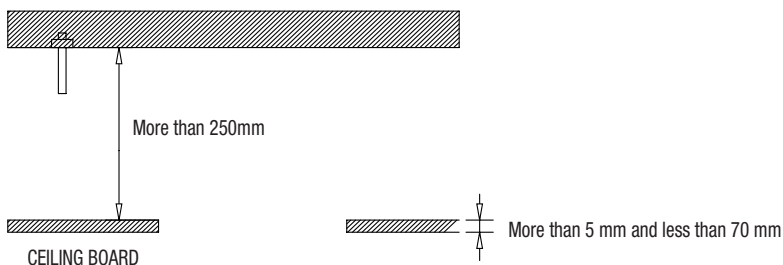
## WHAT'S INCLUDED

|                                                                                     |                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|    |    |    |
| HOUSING                                                                             | SAFETY BRACKET (1EA)                                                                | SAFETY WIRE (1SET)                                                                  |
|   |   |   |
| TEMPLATE                                                                            | SCREW : 6EA                                                                         | CAMERA MOUNT BRACKET                                                                |
|  |  |  |
| INSTALLATION MANUAL                                                                 | CASE TOP                                                                            | SCREW CAP : 3EA                                                                     |

# INSTALLATION INSTRUCTIONS

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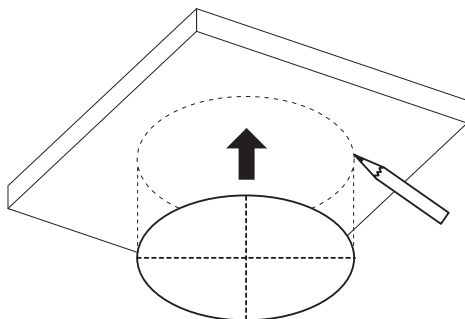
1. Select an installation position or place that can endure more than 5 times of the total weight of the installation structure.
2. At least 250mm or more of spare height is required above the CEILING BOARD.
3. Be sure to secure the SAFETY WIRE to avoid a product fall.
4. Use the provided screws to install the mount bracket and camera.



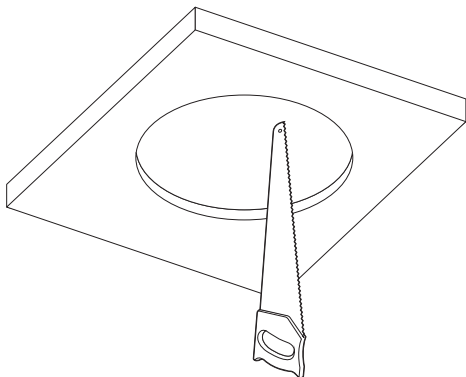
## INSTALLATION

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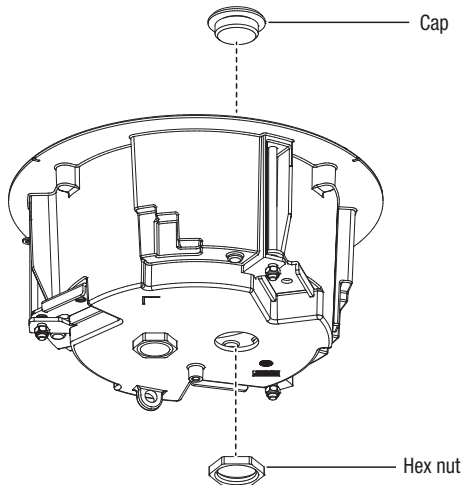
1. Attach the installation template to the ceiling and mark its location with a pencil.



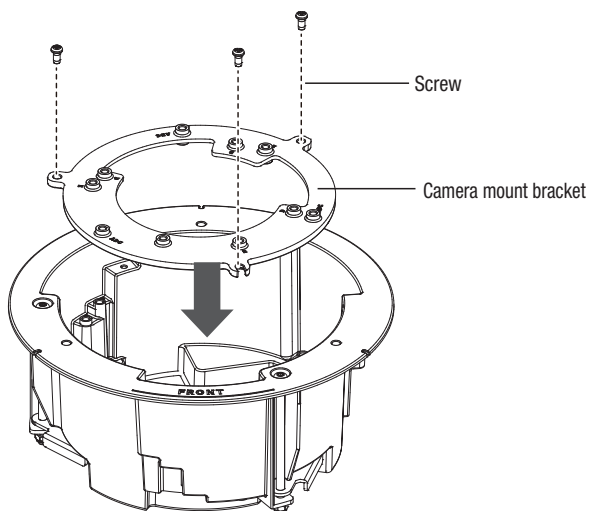
2. Attach the mount template to a surface you want and drill holes.



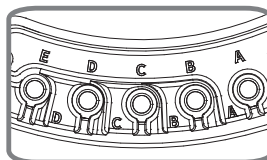
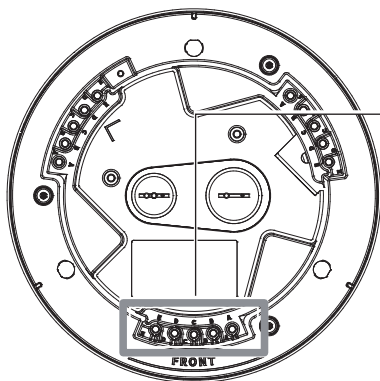
3. After checking the hole size to use, remove the cap and the hex nut.



4. Install the camera mount bracket in the housing.



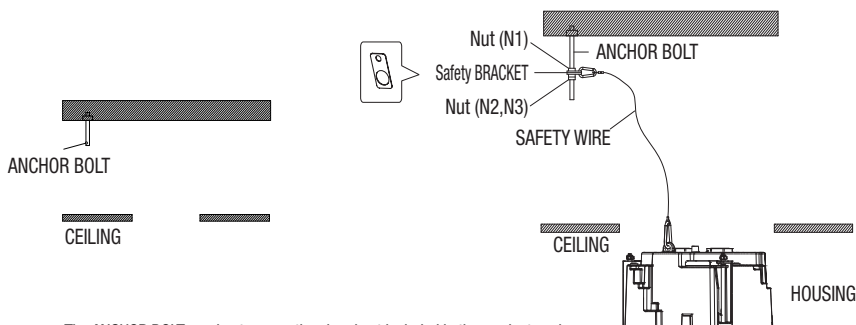
- When installing the camera mount bracket, make sure the guided holes in the housing are appropriate for the camera size.
- See the size guide table attached inside the product.



| Mount holes | Camera size      |
|-------------|------------------|
| A           | Ø160 X 140 (H)   |
| B           | Ø160 X 118.5 (H) |
| C           | Ø160 X 128.5 (H) |
| D           | Ø160 X 72 (H)    |
| E           | Ø146 X 65.8 (H)  |

5. Fix the ANCHOR BOLT onto the concrete CEILING, and secure the SAFETY WIRE to the ANCHOR BOLT as below:

- ① Tighten the nut ("N1") on the ANCHOR BOLT.
- ② Insert the provided SAFETY BRACKET into the ANCHOR BOLT.
- ③ Tighten two nuts ("N2", "N3") onto the ANCHOR BOLT.
- ④ Hook and fix one end of the SAFETY WIRE onto the SAFETY BRACKET.
- ⑤ Hook and fix the other end of SAFETY WIRE onto the HOUSING as shown below.

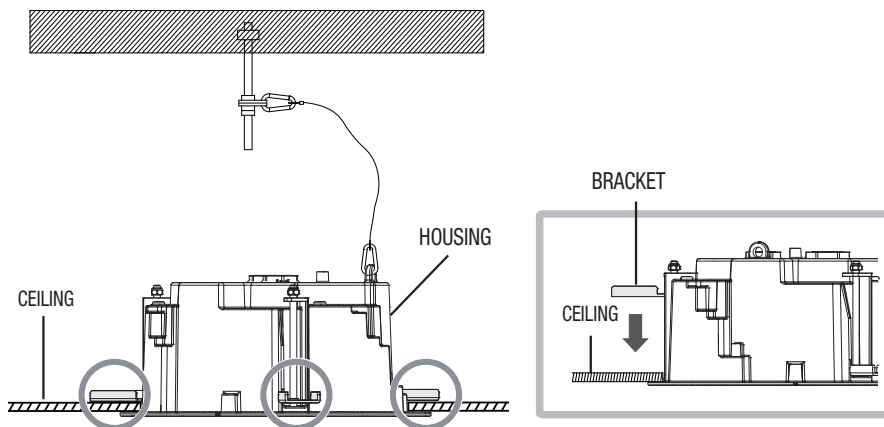


※ The ANCHOR BOLTS and nuts are optional and not included in the product package.

6. Push the HOUSING inside the CEILING through the CEILING hole, and tighten the SCREWS (x3) clockwise to fix the HOUSING on the CEILING.  
(Adjust the height of the bracket to secure the housing to the ceiling.)



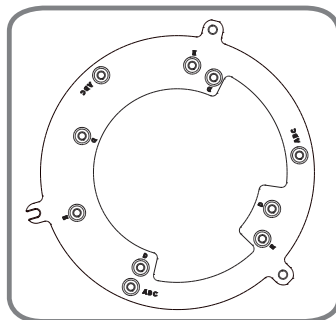
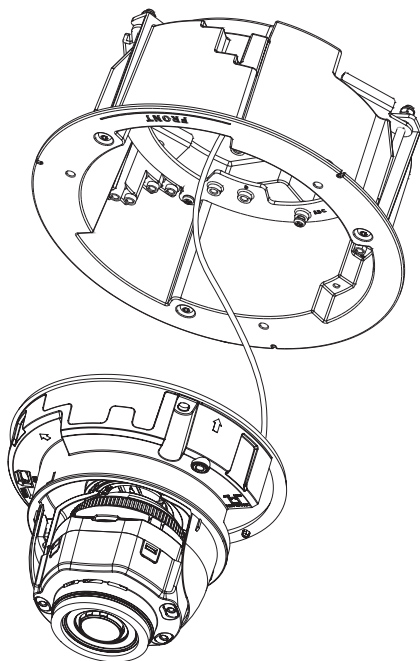
- Using a power tool for installation could cause product damage.  
If you are going to use a power tool, the torque must be 30 Nm or less.
- Ensure that the HOUSING is firmly secured to the CEILING BOARD.



## 7. Connect the cable to the camera.



- Make sure the guided holes in the mount bracket are appropriate for the camera size.



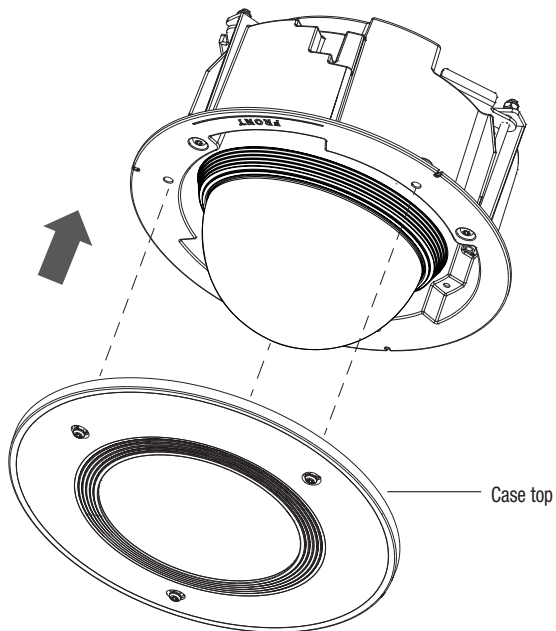
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8. Mount the case top into the housing using screws.



- For products of size A and C, use the provided case top instead to assemble them.



9. Insert the screw caps into the case top.

