In-ceiling Housing
Installation Manual

SHD-3000F

SAMSUNG
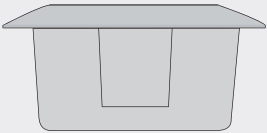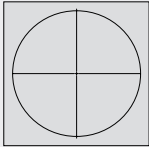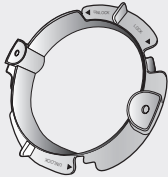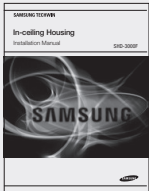
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OVERVIEW

This In-CEILING HOUSING is a mounting ADAPTOR that is designed to mount the smart dome camera in built-in style on a double-layer ceiling.

WHAT'S INCLUDED

HOUSING	SAFETY BRACKET (1EA)	SAFETY WIRE (1SET)
TEMPLATE (1EA)	outdoor type (3EA) indoor type (2EA)	Lower bracket (exclusively for indoor dome cameras) (1EA)
INSTALLATION MANUAL		

INSTALLATION INSTRUCTIONS

1. Select an installation position or place that can endure more than 4 times of the total weight of the installation structure.
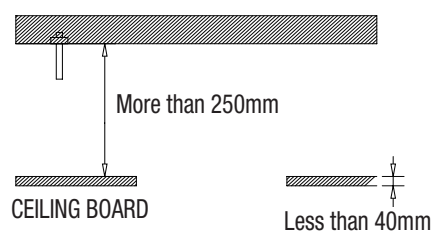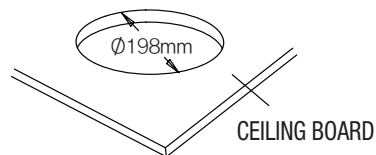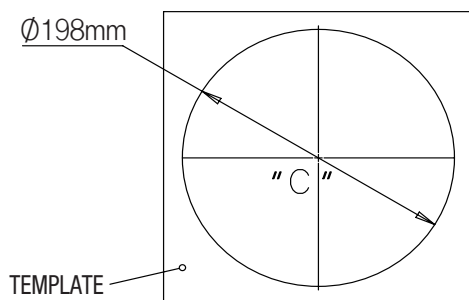
2. At least 250mm or more of spare height is required above the **CEILING BOARD**.

3. **CEILING BOARD**'s thickness should be less than 40mm.

4. Be sure to secure the SAFETY WIRE to avoid a product fall.

5. If you want to attach the camera to the ADAPTOR, use the only provided SCREWS.

More than 250mm

CEILING BOARD

Less than 40mm

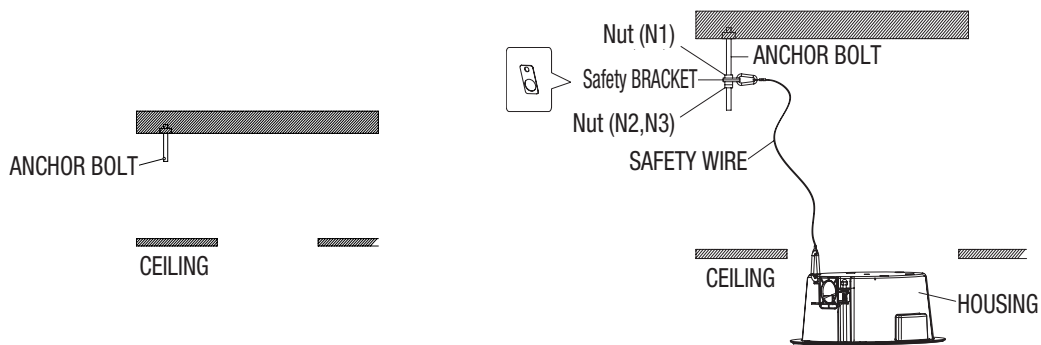# INSTALLATION (INDOOR TYPE)

1. Place the **TEMPLATE** on the **CEILING BOARD** and drill a guided hole.

   ❶ Remove the round filling ("C") from the **TEMPLATE**.

   ❷ Place **TEMPLATE** A onto the **CEILING BOARD** to which you will attach the ceiling mount ADAPTOR and drill a hole of Ø198mm in diameter.

   See the figure below for the hole shape.

Ø198mm

" C "

TEMPLATE

Ø198mm

CEILING BOARD

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

❶ Tighten the nut ("N1") on the **ANCHOR BOLT**.

❷ Insert the provided **SAFETY BRACKET** into the **ANCHOR BOLT**.

❸ Tighten two nuts ("N2","N3") onto the **ANCHOR BOLT**.

❹ Hook and fix one end of the **SAFETY WIRE** onto the **SAFETY BRACKET**.

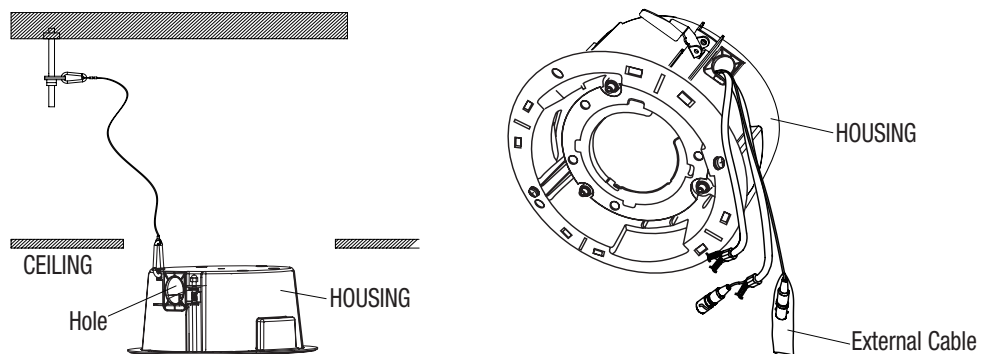❺ Hook and fix the other end of **SAFETY WIRE** onto the **HOUSING** as shown below.

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

3. To connect to the camera, insert the external cable through the side **hole** on the **housing** to the inside of the **housing** as shown in the figure.

▨ ■ Refer to the installation manual of the camera that you want to install, and prepare necessary cables for camera connection.
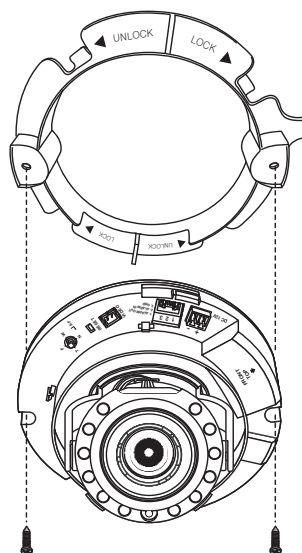
INSTALLATION (INDOOR TYPE)

4. Push the **HOUSING** inside the CEILING through the CEILING hole, and tighten the **SCREWs** (x2) clockwise to fix the HOUSING on the CEILING.
   (The **BRACKET** will be positioned from <A> to <B> as shown.)

   ✎ ■ Ensure that the **HOUSING** is firmly secured to the **CEILING BOARD**.
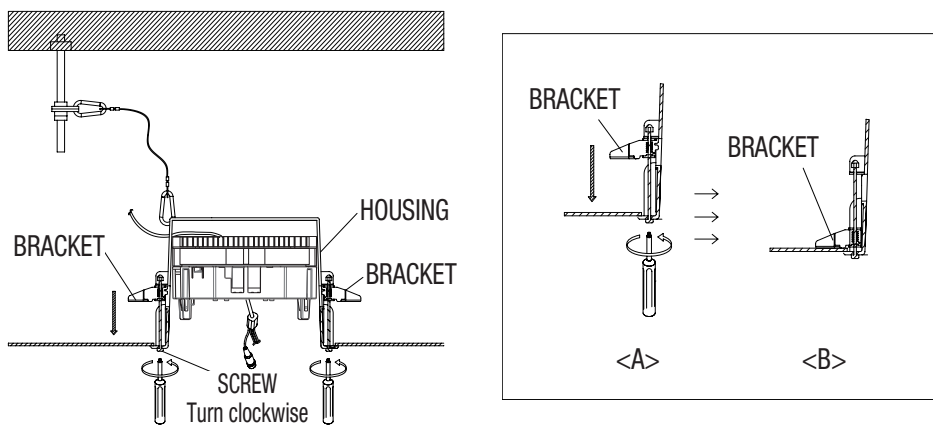
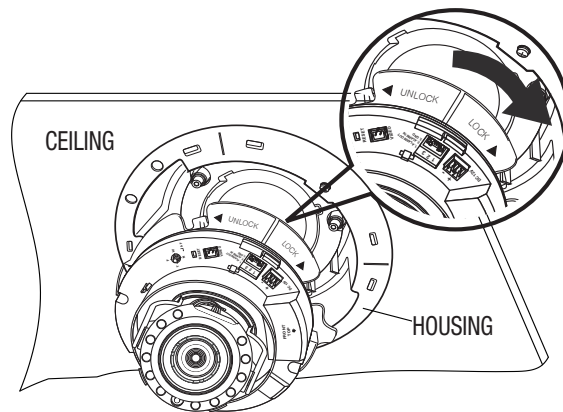5. Combine the dome camera and the bracket using two screws.

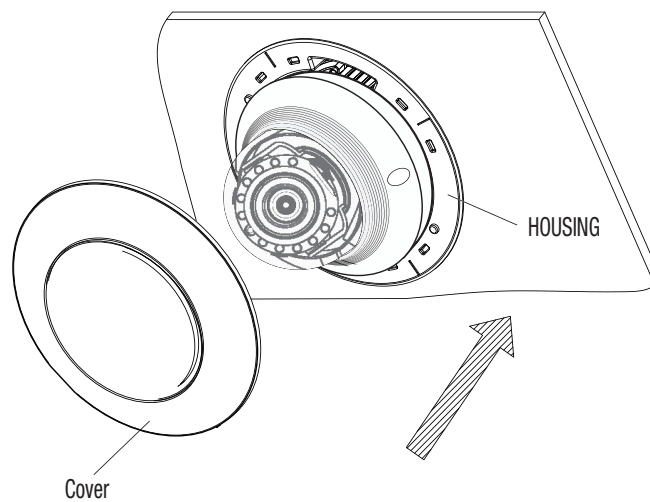※ Lower bracket is exclusively for indoor use.

6. Insert the bracket where the camera is mounted into the **housing** and fix it by turning it in the **LOCK** direction.

> ✎ ▪ When the installation is completed, remove both **PROTECTIVE TAPE** and **PRETOECTIVE COVER** from the lens.

CEILING

HOUSING

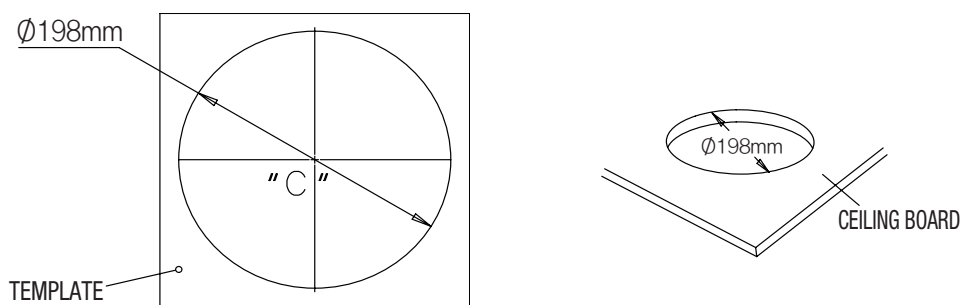7. Attach the **COVER** to the **HOUSING**.

HOUSING

Cover

INSTALLATION (OUTDOOR TYPE)

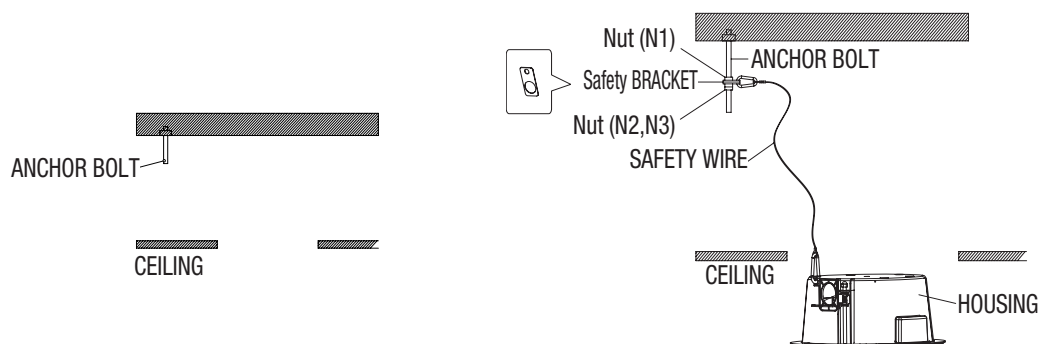1. Place the **TEMPLATE** on the **CEILING BOARD** and drill a guided hole.

   ❶ Remove the round filling ("C") from the **TEMPLATE**.

   ❷ Place the **TEMPLATE** A onto the **CEILING BOARD** to which you will attach the CEILING mount ADAPTOR and drill a Ø198mm hole.

   See the figure below for the hole shape.

2. Fix the **ANCHOR BOLT** onto the concrete CEILING, and secure the **SAFETY WIRE** to the **ANCHOR BOLT** as below:
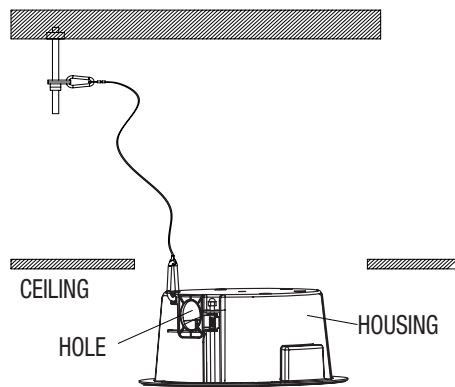
   ❶ Tighten the **NUT** ("N1") on the **ANCHOR BOLT**.

   ❷ Insert the provided **SAFETY BRACKET** into the **ANCHOR BOLT**.

   ❸ Tighten two **NUT**s ("N2","N3") onto the **ANCHOR BOLT**.

   ❹ Hook and fix one end of the **SAFETY WIRE** onto the **SAFETY BRACKET**.

   ❺ 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.
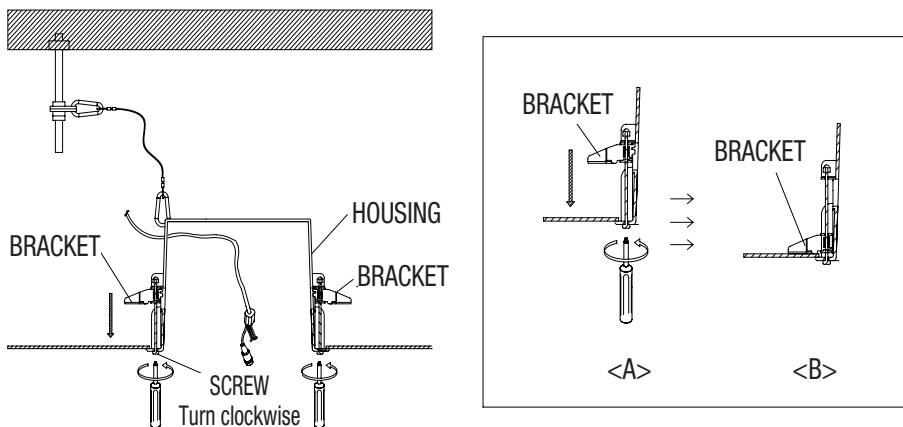
3. To connect to the camera, insert the external cable through the side **hole** on the **housing** to the inside of the **housing** as shown in the figure.

   ■ Refer to the installation manual of the camera that you want to install, and prepare necessary cables for camera connection.


CEILING

HOLE

HOUSING

4. Push the **HOUSING** inside the CEILING through the CEILING hole, and tighten the SCREWs (x2) clockwise to fix the HOUSING on the CEILING.
   (The **BRACKET** will be positioned from <A> to <B> as shown.)

   ■ Ensure that the **HOUSING** is firmly secured to the **CEILING BOARD**.

HOUSING

BRACKET

BRACKET

SCREW
Turn clockwise

BRACKET

BRACKET

<A>   <B>

INSTALLATION (OUTDOOR TYPE)

5. As shown in the figure, pull out the protrusions of the rubber cap in the bottom to make a small hole and remove the cable through it to connect to the external cable.
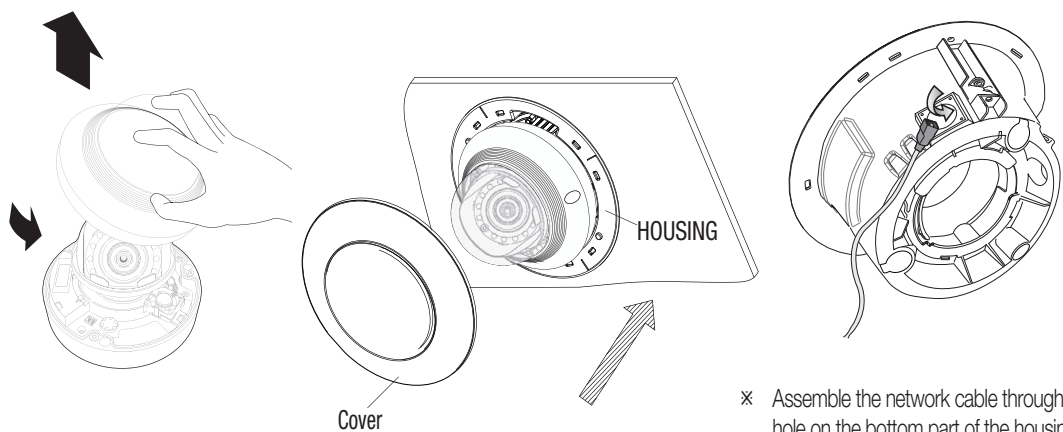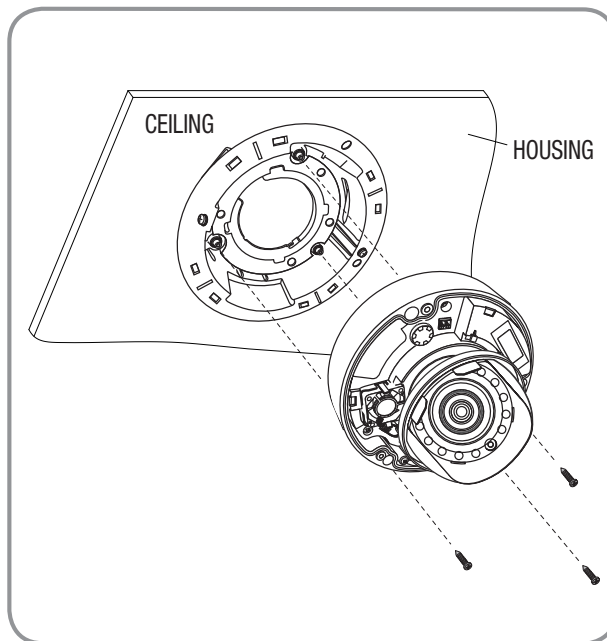

Alarm Cable
Audio
Power
LAN
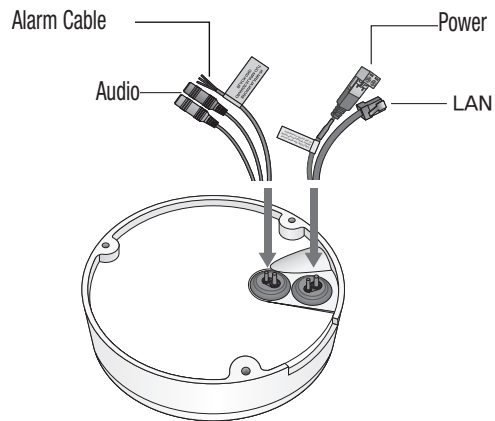
> ✎ ■ If waterproofing in the connected cable jacket is poor, it may cause leaks. Make sure you tape it tight and thoroughly.
>
> ■ The butyl rubber tape for waterproofing can extend at least twice as long as the original length.

6. **Installing the camera**
   Using the three screws, mount the camera in the housing.
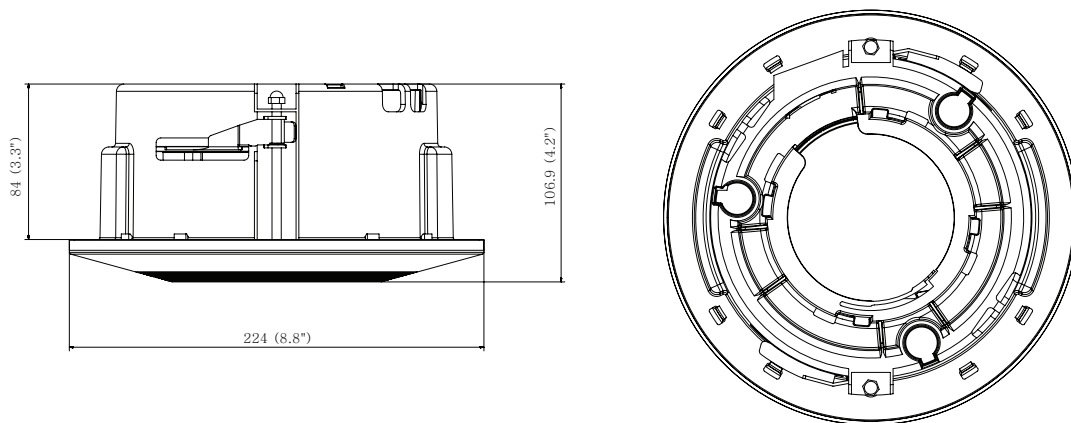   ※ When attaching the camera to the mount, check the arrow directions in the figure below before proceeding.

7. Remove the dome cover from the camera, and install the **cover** onto the **HOUSING**.

CEILING

HOUSING

Cover

HOUSING

※ Assemble the network cable through the hole on the bottom part of the housing.

PRODUCT SPECIFICATIONS

Item	Specifications
Dimension (mm)	D224 X H106.9
Weight	490g
Temperature	−10℃ ～ 50℃
Material	PC
Color	Ivory

Unit : mm (Inches)

SAMSUNG

SALES NETWORK