

In-ceiling Housing

Installation Manual

SHD-3000F3/SHD-3000FW3

TABLE OF CONTENTS

Overview 3

What's Included 3

Installation Instructions 4

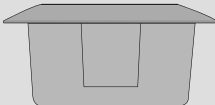


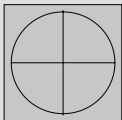

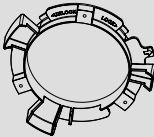

Installation (OUTDOOR TYPE) 4

Product Specifications 9

OVERVIEW

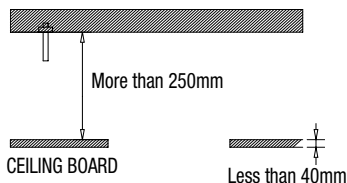
This In-CEILING HOUSING is a mounting ADAPTOR that is designed to mount the smart dome camera in built-in style on a double-layer ceiling.

WHAT'S INCLUDED

		
HOUSING	SAFETY BRACKET (1EA)	SAFETY WIRE (1SET)
		
TEMPLATE (1EA)	SCREW (3EA)	Lower bracket (1EA)
		
INSTALLATION MANUAL		

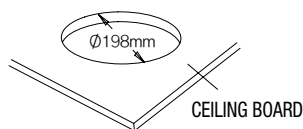
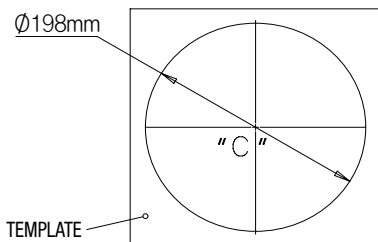
INSTALLATION INSTRUCTIONS

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.



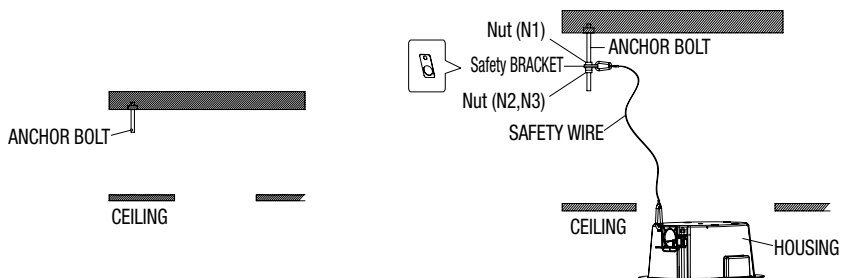
INSTALLATION (OUTDOOR TYPE)

1. Place the **TEMPLATE** on the **CEILING BOARD** and drill a guided hole.
 - ① Remove the round filling ("C") from the **TEMPLATE**.
 - ② Place **TEMPLATE A** onto the **CEILING BOARD** to which you will attach the ceiling mount ADAPTOR and drill a hole of $\varnothing 198\text{mm}$ in diameter.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:

- 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.

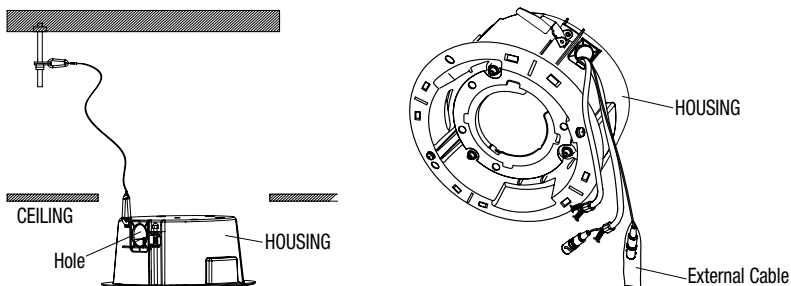


※ The **ANCHOR BOLTS** and nuts are optional and not included in the product package.

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.



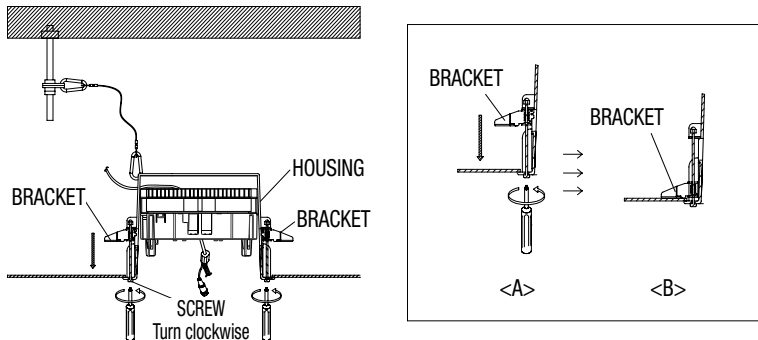
- Refer to the installation manual of the camera that you want to install, and prepare necessary cables for camera connection.



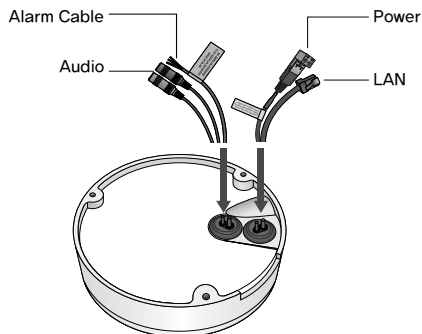
4. Push the **HOUSING** inside the **CEILING** through the **CEILING** hole, and tighten the **SCREWS** (x2) clockwise to fix the **HOUSING** on the **CEILING**.
(The **BRACKET** will be positioned from <A> to as shown.)



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

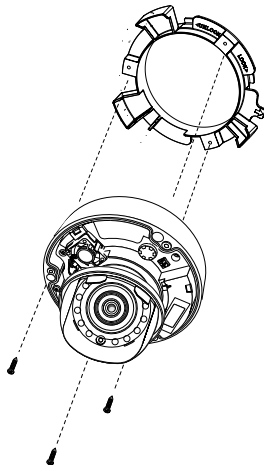


5. As shown in the figure, pull out the protrusions of the rubber cap in the bottom to make a small hole and remove the cable through it to connect to the external cable.



- 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.

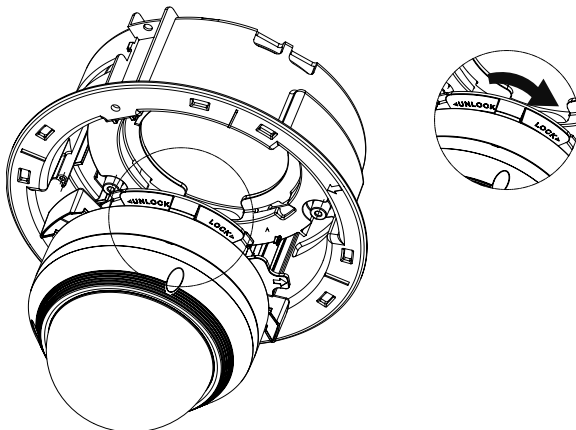
6. Combine the dome camera and the bracket using three screws.



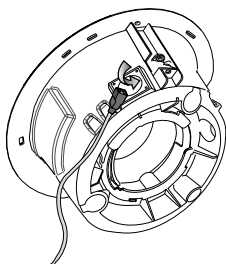
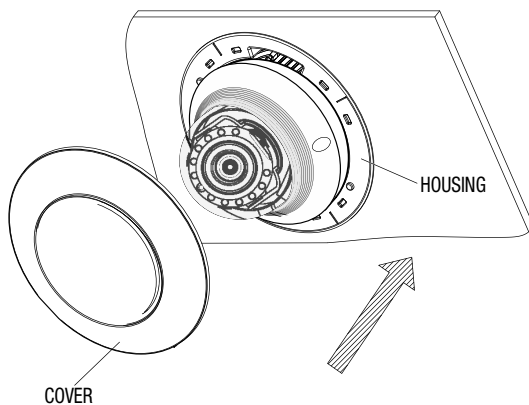
7. Insert the bracket where the camera is mounted into the **housing** and fix it by turning it in the **LOCK** direction.



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



8. Attach the **COVER** to the **HOUSING**.

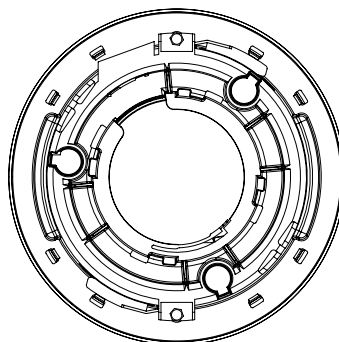
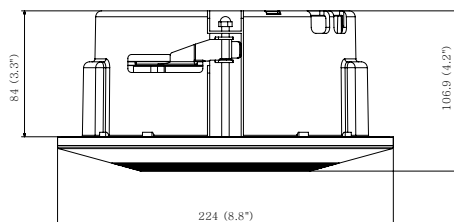


※ Assemble the network cable through the hole on the bottom part of the housing.

PRODUCT SPECIFICATIONS

Item	Specifications
Dimension (mm)	D224 X H106.9
Weight	490g
Temperature	-10°C ~ 50°C
Material	PC
Color	Ivory / White

Unit : mm (Inches)





In-ceiling Housing

설치 설명서

SHD-3000F3/SHD-3000FW3

안전을 위한 주의사항 / 사용자의 안전을 지키고 재산상의 손해등을 막기 위한 내용입니다.
반드시 읽고 올바르게 사용해 주세요.



Hanwha Vision

본 제품은 대한민국에서만 사용하도록 만들어져 있으며, 해외에서는 품질을 보증하지 않습니다. FOR
KOREA UNIT STANDARD ONLY

목차

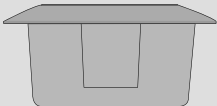

개요	3
구성품	3
설치시 주의사항	4
설치하기 (실외형)	4
제품 규격	9

개요

In-ceiling Housing 은 스마트돔 카메라를 이중천장에 매립형으로 설치할 경우 사용되는 어댑터입니다.

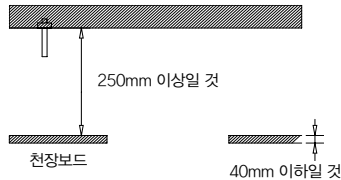
KOR

구성품

		
하우징	안전 브라켓 (1EA)	안전 와이어 (1SET)
		
형판 (1EA)	스크류 (3EA)	하단브라켓 (1EA)
		
설치 설명서 (1권)		

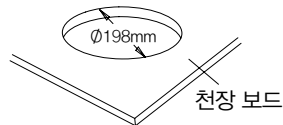
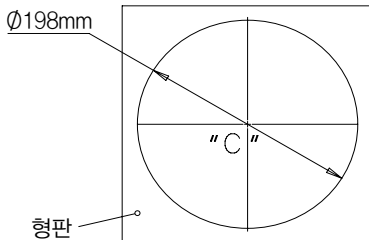
설치시 주의사항

1. 설치할 제품의 총 중량의 4배 이상을 견딜 수 있는 설치 장소를 선정하세요.
2. **천장보드** 위의 공간이 250mm 이상이 되는 장소에 설치하세요.
3. **천장보드**의 두께가 40mm 이하인 경우에만 설치가 가능합니다.
4. 낙하방지용 안전와이어를 반드시 사용하여 설치하세요.
5. 카메라를 어댑터에 설치할 경우 카메라 구입시 제공된 고정나사를 사용하세요.



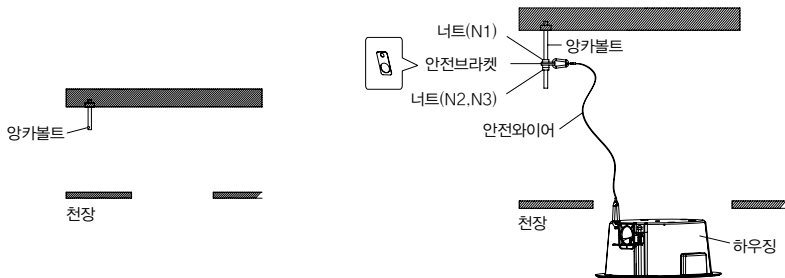
설치하기 (실외형)

1. **형판**을 이용하여 **천장보드**에 구멍을 뚫습니다.
 - ① **형판** 중앙부의 원형의 형상("C")를 분리 제거하세요.
 - ② 씰링 마운트 어댑터를 설치할 **천장보드**에 **형판 A**를 놓고, $\varnothing 198\text{mm}$ 의 원형의 구멍을 뚫습니다.
구멍의 모양은 오른쪽 그림과 같습니다.



2. 콘크리트 천장에 **앙카볼트**를 설치한 후, **앙카볼트에 안전와이어**를 다음의 순서에 따라 설치하세요.

- ① **앙카볼트에 너트("N1")**를 체결하세요.
- ② **안전 브라켓(부속품)**을 **앙카볼트**에 끼우세요.
- ③ **너트2개("N2","N3")**를 **앙카볼트**에 체결하세요.
- ④ **안전 브라켓**에 **안전와이어**의 한쪽을 걸어 끼우세요.
- ⑤ **안전와이어**의 반대쪽을 **하우징**에 하단 그림과 같이 걸어 끼우세요.

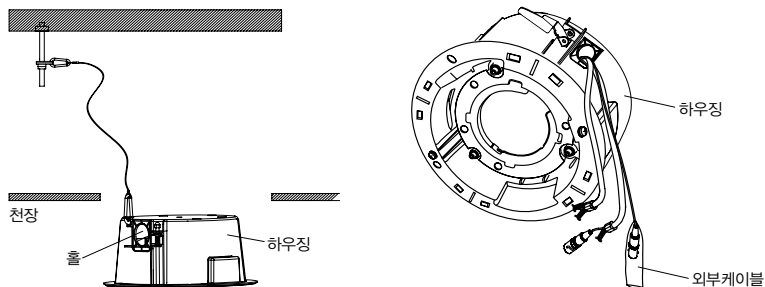


※ 앙카볼트와 너트는 제공되지 않습니다.

3. 카메라에 연결하기 위한, 외부 케이블 등을 **하우징**의 측면 **홀**을 통하여, **하우징** 내부로 그림과 같이 삽입하세요.



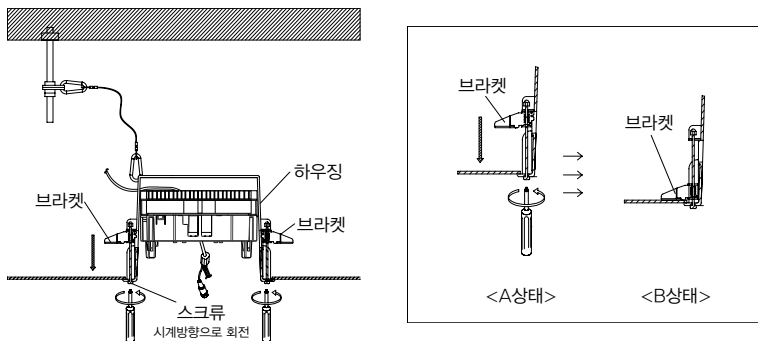
- 설치할 카메라의 설치설명서를 참조하여, 카메라 연결에 필요한 연결 케이블을 준비하세요.



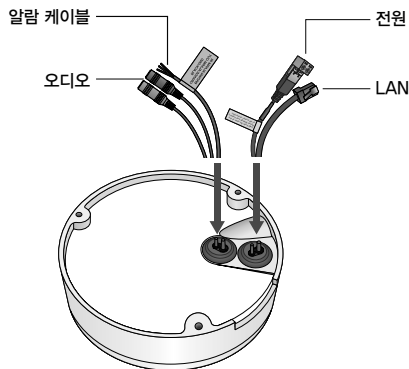
4. **하우징**을 천장의 구멍을 통하여 천장 안쪽으로 밀어 넣은후, 고정용 **나사** 2개를 시계방향으로 회전시켜서 하우징을 천장에 고정하세요.
(**브라켓**이 <A상태>에서 <B상태>로 위치됩니다.)



■ **하우징이 천장보드에 흔들림 없이 정확히 고정되었는지 확인하세요.**

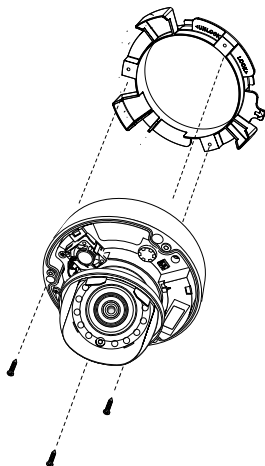


5. 그림과 같이 바닥에 있는 고무 마개의 길게 돌출된 부분을 당겨 뜯어내어 생긴 작은 홈을 통해 케이블 빼서 외부 케이블과 연결하세요.



- 연결된 케이블 자켓 부분의 방수처리가 미흡하면 직접적인 누수 원인이 되므로 특히 촘촘하게 테이핑하여 주시기 바랍니다.
- 방수용 부틸 고무 테이프는 원래 길이의 2배 이상 늘어나는 부틸 고무 소재입니다.

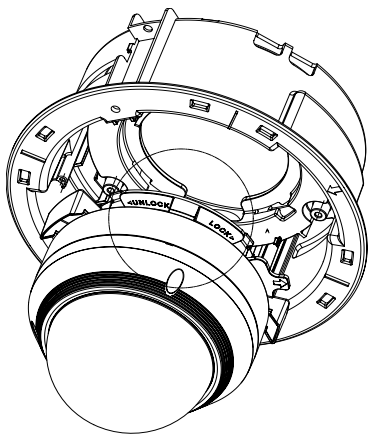
6. 설치할 돔카메라와 브라켓을 스크류(3개)를 이용하여 결합시키세요.



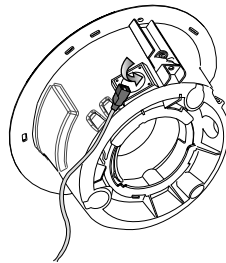
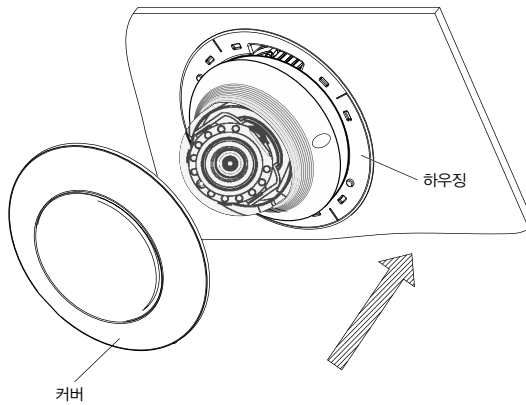
7. 카메라가 장착된 브라켓을 하우징에 끼여 **LOOK** 방향으로 돌려 고정시키세요.



- 설치가 완료되면, 렌즈에 붙어 있는 **보호커버**와 **보호테이프**를 제거하세요.



8. 커버를 하우징에 조립하세요.

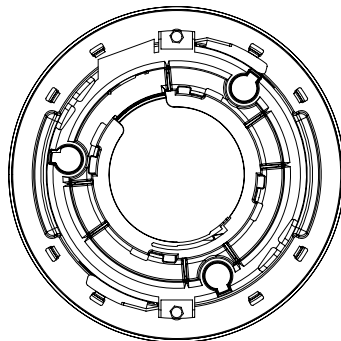
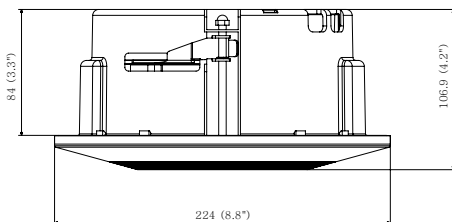


※ NETWORK CABLE은 하우징 하단의
홀을 통해서 조립하세요.

제품 규격

항 목	규격
외형 크기(mm)	D224 X H106.9
무게	490g
사용 온도	-10℃ ~ 50℃
재질	PC
색상	아이보리색/흰색

Unit : mm (Inches)





한화비전

天花板内安装式机盒

安装手册

SHD-3000F3/SHD-3000FW3


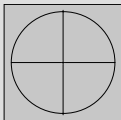

目录

概述	3
附带提供的物品	3
安装说明	4
安装（室外型）	4
产品规格	9

概述

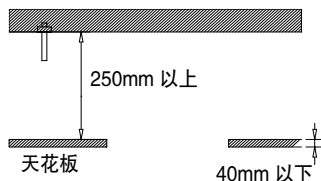
此款天花板内安装机盒是一个安装支架，用于将智能圆顶摄像机以内置形式安装在双层天花板上。

附带提供的物品

		
机盒	安全支架 (1 个)	安全电线 (1 组)
		
模板 (1 个)	螺钉 (3EA)	下方支架 (1EA)
		
安装手册		

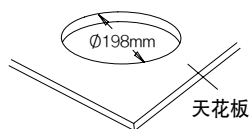
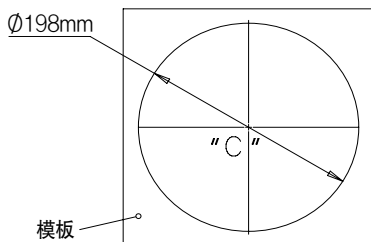
安装说明

1. 选择可以承受安装结构总重量 4 倍的安装位置。
2. 离天花板至少要有 250mm 以上的留出高度。
3. 天花板的厚度应小于 40mm。
4. 请务必绑牢安全电线，避免产品跌落。
5. 如果要将摄像机安装在支架上，请仅使用随附的螺钉。



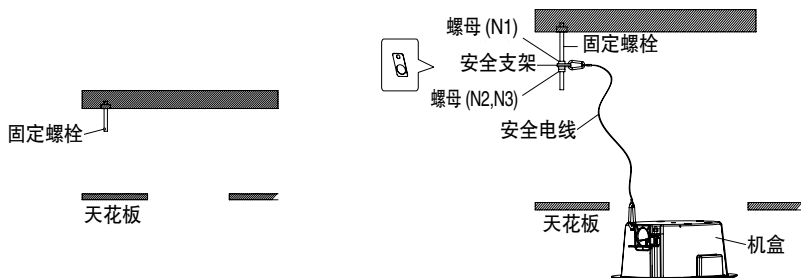
安装（室外型）

1. 将模板放在天花板上，钻引导孔。
 - ① 从模板中取下圆形的填充物（“C”）。
 - ② 将模板 A 放置要在安装天花板安装支架的天花板上，并钻一个直径为 $\varnothing 198\text{mm}$ 的孔。孔形状见下图。



2. 将固定螺栓固定在混凝土天花板上，并将安全电线固定到固定螺栓，如下所示：

- ① 将螺母（“N1”）固定在固定螺栓上。
- ② 将随附的安全支架插入到固定螺栓上。
- ③ 将两个螺栓（“N2”，“N3”）拧紧在固定螺栓上。
- ④ 将安全电线的一端挂在安全支架上并固定。
- ⑤ 将安全电线的另一端挂在机盒上并固定，如下图所示。

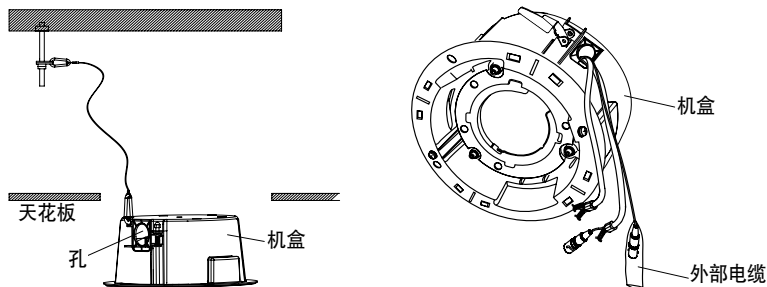


※ 固定螺栓和螺母是选购商品，产品套件不附带提供。

3. 如需连接摄像机，请将外部电缆通过机盒上的侧孔插入机盒内部，如图所示。



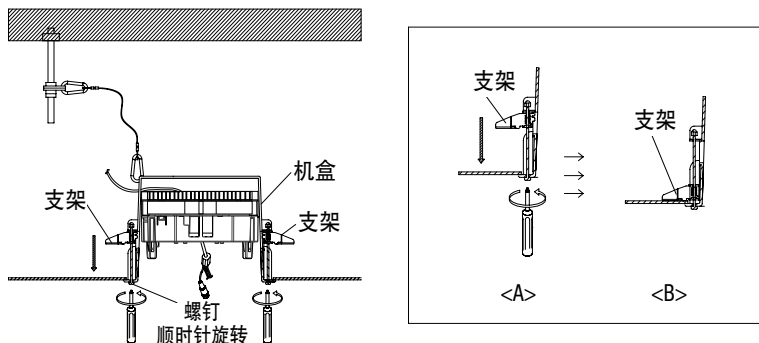
■ 请参阅要安装的摄像机的安装手册，准备必要的线缆以进行摄像机连接。



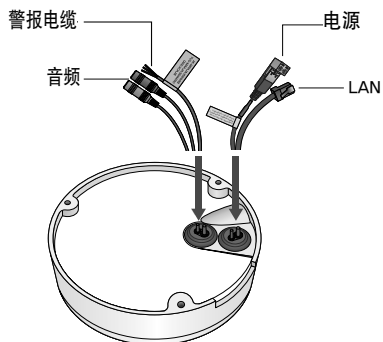
4. 在天花板内部通过天花板孔推机盒，并顺时针拧紧螺钉 (x2) 以将机盒固定在天花板上。
(应从 <A> 到 定位“支架”，如下图所示。)



■ 请确保机盒牢牢固定在天花板上。

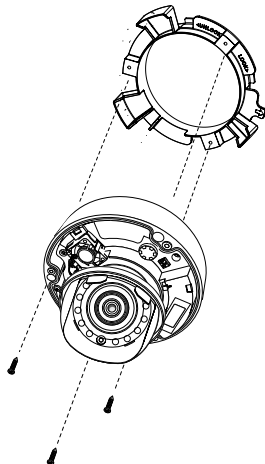


5. 如图所示，拉出底部橡胶盖的凸起部分，以形成一个小孔，取出通过这个小孔的电缆以连接到外部电缆。



- 如果所连接的电缆护套防水性较差，有可能导致漏电。请确保将电缆紧密缠牢。
- 用于防水的异丁橡胶带至少可以伸展到原始长度的两倍。

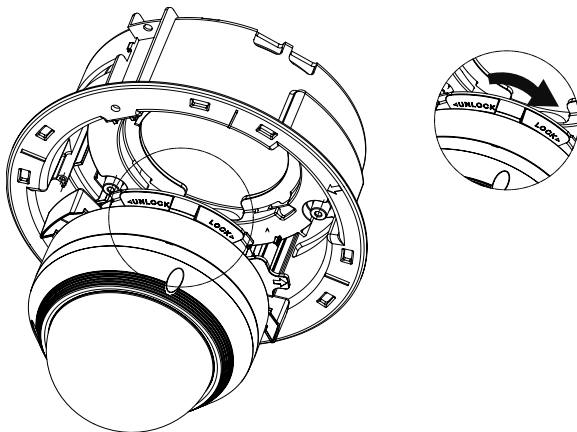
6. 使用三颗螺丝钉将圆顶摄像机与支架联接



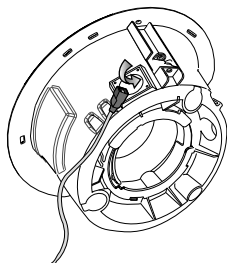
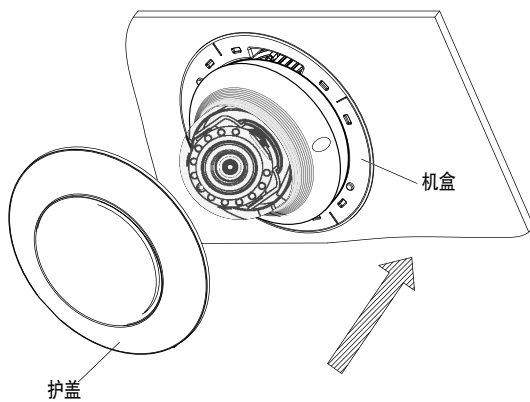
7. 插入支架以将摄像机装到机盒中，然后通过将其转到“LOCK”方向进行固定。



- 安装完成后，从镜头上取下保护胶带和保护盖。



8. 将护盖安装在机盒上。



× 通过机盒底部的孔来组装网络电缆。

产品规格

项目	规格
尺寸 (mm)	D224 X H106.9
重量	490g
温度	-10℃ ~ 50℃
材料	PC
颜色	象牙色/白色

CHI

Unit : mm (Inches)

