

**HIKVISION®**  
**IDS-2CD8447G0B-**  
**RS Network**  
**Camera**



# HIKVISION IDS-2CD8447G0B-RS Network Camera Installation Guide

[Home](#) » [Hikvision](#) » HIKVISION IDS-2CD8447G0B-RS Network Camera Installation Guide 

## Contents

- 1 HIKVISION IDS-2CD8447G0B-RS Network Camera
- 2 Product Information
- 3 Product Usage Instructions
- 4 Symbols and Marks
- 5 Activate and Access Network Camera
- 6 What's In The Box
- 7 Tools
- 8 Overview
- 9 Interface Introduction
- 10 Regulatory Compliance and Safety Information
- 11 FCC Compliance Statement
- 12 Installation
- 13 Maintenance And Cleaning
- 14 Documents / Resources
  - 14.1 References
- 15 Related Posts

**HIKVISION®**

HIKVISION IDS-2CD8447G0B-RS Network Camera



## Product Information

### Specifications:

- **Product:** Network Camera
- **Waterproof:** Yes
- **MicroSD card:** Not necessarily included accessory
- **Functional grounding:** Required

## Product Usage Instructions

### 1. Activation and Access

To activate and access the Network Camera, follow these steps:

1. Ensure the camera is connected to a power source.
2. Connect the camera to your network using an Ethernet cable or Wi-Fi.
3. Access the camera through a web browser or dedicated software using the camera's IP address.

### 2. MicroSD Card Usage

If you wish to use a MicroSD card with the camera:

1. Purchase a MicroSD card separately if not included.
2. Insert the MicroSD card into the designated slot on the camera (if available).
3. Configure the camera settings to enable recording to the MicroSD card.

### 3. Functional Grounding

Ensure proper functional grounding for the camera:

1. Follow the grounding instructions provided in the user manual.
2. Connect the camera to a grounded outlet using the appropriate cables.

## Frequently Asked Questions (FAQ):

- **Q: Can I use the camera without a MicroSD card?**

A: Yes, the camera can function without a MicroSD card. However, for local storage and recording, a MicroSD card is recommended.

















- **Q: Is it necessary to ground the camera?**

A: Yes, functional grounding is necessary for the proper operation and safety of the camera. Please follow the grounding instructions provided in the user manual.

## User Manual



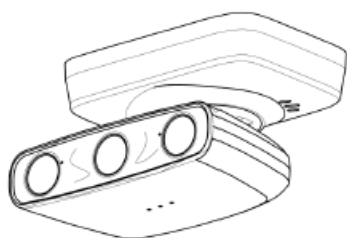
## Symbols and Marks

	Notice		i. Not necessarily included accessory. ii. Variable accessory amount. iii. Skip this step if not required.
	Warning	microSD 	MicroSD card
	Forbidden		Purchase separately
	Correct		Disposal
	Incorrect		Functional grounding
	Turn to page A and continue.		Grounding
	Other situations		Skip this step if not necessary
	Waterproof		Other situations omitted

## Activate and Access Network Camera



## What's In The Box



1x



1x

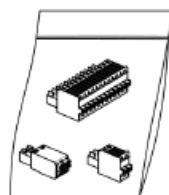


PA4x25

1x



1x

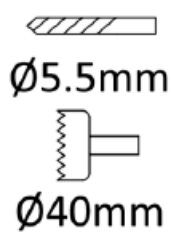


1x



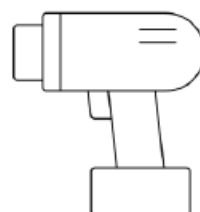
1x

## Tools

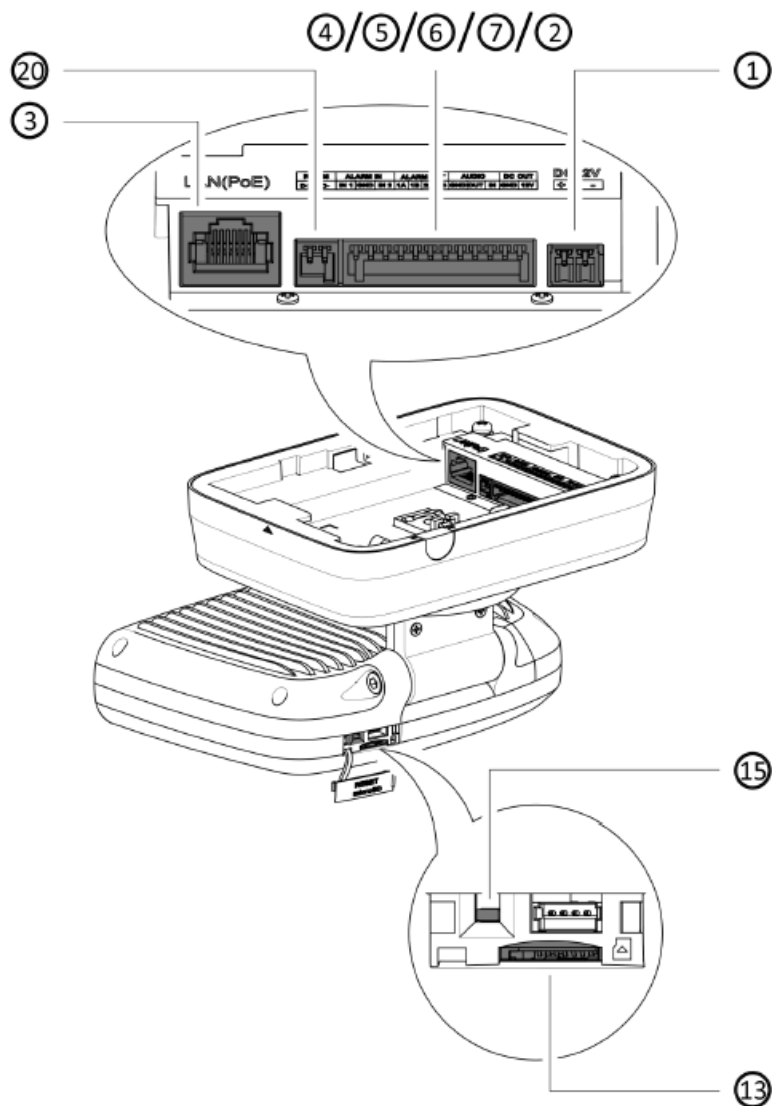


Ø5.5mm

Ø40mm



## Overview



Product appearance is for reference only and may differ from the actual product.

## Interface Introduction

1	Power input interface
2	Power output interface
3	Network interface
4	Alarm input interface
5	Alarm output interface
6	Audio input interface
7	Audio output interface
8	Built-in microphone
9	Built-in speaker
10	BNC/CVBS interface
11	HDMI interface

12	SDI interface
13	SD card slot
14	SIM card slot
15	Reset button
16	Fiber optical interface
17	Heater
18	USB
19	Antenna
20	RS-485
21	RS-232
22	ABF
23	Grounding
24	Wiegand interface
25	Solar panel
26	Battery switch
27	Debug power interface
28	Solar panel power interface
29	External solar panel interface
30	SOC debug serial port
31	MCU debug serial port
32	Video input interface
33	Video output interface
34	Aviation Plug
35	Battery power output interface
36	Debug network interface

**Note:** The interface varies with the models. Please refer to the product datasheet for details.

## Regulatory Compliance and Safety Information

Read all information and instructions in this document carefully before using the device and keep it for further reference. For more device information and instructions, please visit our website at <https://www.hikvision.com>. You can also refer to other documents (if any) accompanying the device or scan the QR code (if any) on the packaging to get more information.

## About this Document

- This Document includes instructions for using and managing the Product. Pictures, charts, images, and all other information hereinafter are for description and explanation only.
- The information contained in the Document is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of the Document on the Hikvision website (<https://www.hikvision.com>). Unless otherwise agreed, Hangzhou Hikvision Digital Technology Co., Ltd. or its affiliates (hereinafter referred to as “Hikvision”) make no warranties, express or implied.
- Please use the Document with the guidance and assistance of professionals trained in supporting the Product.

### **About this Product**

This product can only enjoy the after-sales service support in the country or region where the purchase is made.  
Acknowledgment of Intellectual Property Rights

- Hikvision owns the copyrights and/or patents related to the technology embodied in the Products described in this document, which may include licenses obtained from third parties.
- Any part of the Document, including text, pictures, graphics, etc., belongs to Hikvision. No part of this Document may be excerpted, copied, translated, or modified in whole or in part by any means without written permission.
- **HIKVISION** and other Hikvision’s trademarks and logos are the properties of Hikvision in various jurisdictions.
- Other trademarks and logos mentioned are the properties of their respective owners.

### **LEGAL DISCLAIMER**

- TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THIS DOCUMENT AND THE PRODUCT DESCRIBED, WITH ITS HARDWARE, SOFTWARE, AND FIRMWARE, ARE PROVIDED “AS IS” AND “WITH ALL FAULTS AND ERRORS”. HIKVISION MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY, SATISFACTORY QUALITY, OR FITNESS FOR A PARTICULAR PURPOSE. THE USE OF THE PRODUCT BY YOU IS AT YOUR OWN RISK. IN NO EVENT WILL HIKVISION BE LIABLE TO YOU FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR INDIRECT DAMAGES, INCLUDING, AMONG OTHERS, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, OR LOSS OF DATA, CORRUPTION OF SYSTEMS, OR LOSS OF DOCUMENTATION, WHETHER BASED ON BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE), PRODUCT LIABILITY, OR OTHERWISE, IN CONNECTION WITH THE USE OF THE PRODUCT, EVEN IF HIKVISION HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR LOSS.
- YOU ACKNOWLEDGE THAT THE NATURE OF THE INTERNET PROVIDES FOR INHERENT SECURITY RISKS, AND HIKVISION SHALL NOT TAKE ANY RESPONSIBILITY FOR ABNORMAL OPERATION, PRIVACY LEAKAGE OR OTHER DAMAGES RESULTING FROM CYBER-ATTACKS, HACKER ATTACKS, VIRUS INFECTIONS, OR OTHER INTERNET SECURITY RISKS; HOWEVER, HIKVISION WILL PROVIDE TIMELY TECHNICAL SUPPORT IF REQUIRED.
- YOU AGREE TO USE THIS PRODUCT IN COMPLIANCE WITH ALL APPLICABLE LAWS, AND YOU ARE SOLELY RESPONSIBLE FOR ENSURING THAT YOUR USE CONFORMS TO THE APPLICABLE LAW. ESPECIALLY, YOU ARE RESPONSIBLE, FOR USING THIS PRODUCT IN A MANNER THAT DOES NOT INFRINGE ON THE RIGHTS OF THIRD PARTIES, INCLUDING WITHOUT LIMITATION, RIGHTS OF PUBLICITY, INTELLECTUAL PROPERTY RIGHTS, DATA PROTECTION, AND OTHER PRIVACY RIGHTS. YOU SHALL NOT USE THIS PRODUCT FOR ANY PROHIBITED END-USES, INCLUDING THE

DEVELOPMENT OR PRODUCTION OF WEAPONS OF MASS DESTRUCTION, THE DEVELOPMENT OR PRODUCTION OF CHEMICAL OR BIOLOGICAL WEAPONS, ANY ACTIVITIES IN THE CONTEXT RELATED TO ANY NUCLEAR EXPLOSIVE OR UNSAFE NUCLEAR FUEL CYCLE, OR IN SUPPORT OF HUMAN RIGHTS ABUSES.

- IN THE EVENT OF ANY CONFLICTS BETWEEN THIS DOCUMENT AND THE APPLICABLE LAW, THE LATTER PREVAILS.

© Hangzhou Hikvision Digital Technology Co., Ltd. All rights reserved.

These clauses apply only to the products bearing the corresponding mark or information.

## **FCC Compliance Statement**

### **Note:**

This product has been tested and found to comply with the limits for a Class B digital device, under part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This product generates, uses, and can radiate radio frequency energy and, if not installed and used by the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Please pay attention that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

## **EU/UK Compliance Statement**

This product and – if applicable – the supplied accessories too are marked with “CE” and comply therefore with the applicable harmonized European standards listed under Directive 2014/30/EU (EMCD) and Directive 2011/65/EU (RoHS).

### **Note:**

The products with an input voltage of within 50 to 1000 VAC or 75 to 1500 VDC comply with Directive 2014/35/EU (LVD), and the rest products comply with Directive 2001/95/EC (GPSD).

Please check the specific power supply information for reference. The full text of the EU Declaration of Conformity is available at the following internet address: <https://www.hikvision.com/en/support/compliance/declaration-of-conformity>.

This product and – if applicable – the supplied accessories too are marked with “UKCA” and comply therefore with the following directives: Electromagnetic Compatibility Regulations 2016, Electrical Equipment (Safety)

Regulations 2016, the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012.

Directive 2012/19/EU (WEEE Directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: [www.recyclethis.info](http://www.recyclethis.info).

According to the Waste Electrical and Electronic Equipment Regulations 2013: Products marked with this symbol cannot be disposed of as unsorted municipal waste in the United Kingdom. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: [www.recyclethis.info](http://www.recyclethis.info).

Directive 2006/66/EC and its amendment 2013/56/EU (Battery Directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: [www.recyclethis.info](http://www.recyclethis.info).

According to the Batteries and Accumulators (Placing on the Market) Regulations 2008 and the Waste Batteries and Accumulators Regulations 2009: This product contains a battery that cannot be disposed of as unsorted municipal waste in the United Kingdom. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or a designated collection point. For more information see: [www.recyclethis.info](http://www.recyclethis.info).

### **Industry Canada ICES-003 Compliance**

This device meets the CAN ICES-003 (B)/NMB-003 (B) standards requirements.

### **Safety Instruction**

These instructions are intended to ensure that the user can use the product correctly to avoid danger or property loss.

### **Laws and Regulations**

The device should be used in compliance with local laws, electrical safety regulations, and fire prevention regulations.

### **Electricity**

In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region. The equipment shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the equipment. Provide a surge suppressor at the inlet opening of the equipment under special conditions such as the mountain top, iron tower, and forest. CAUTION: If the fuse of the device can be replaced, replace it only with the same model to reduce the risk of fire or electric shock. Do not touch the bare components (such as the metal contacts of the inlets) and wait for at least 5 minutes, since electricity may still exist after the device is powered off. For the device powered on and off only by power plug and socket outlet, the socket outlet shall be installed near the device and easily accessible.

### **Battery**

Do not ingest the battery. Chemical burn hazard! This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death. Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention. CAUTION: Risk of explosion if the battery is replaced by an incorrect type. Dispose of used batteries according to the instructions. Improper replacement of the battery with an incorrect type

may defeat a safeguard (for example, in the case of some lithium battery types). Do not dispose of the battery in a fire or a hot oven, or mechanically crush or cut the battery, which may result in an explosion. Do not leave the battery in an extremely high temperature surrounding environment, which may result in an explosion or the leakage of flammable liquid or gas. Do not subject the battery to extremely low air pressure, which may result in an explosion or the leakage of flammable liquid or gas. + identifies the positive terminal(s) of equipment that is used with, or generates a direct current. – identifies the negative terminal(s) of equipment that is used with, or generates direct current.

### **Fire Prevention**

No naked flame sources, such as lighted candles, should be placed on the equipment. The serial port of the equipment is used for debugging only.

### **Hot Surface Prevention**

### **WARNING**

- HOT SURFACE
- DO NOT TOUCH

### **CAUTION:**

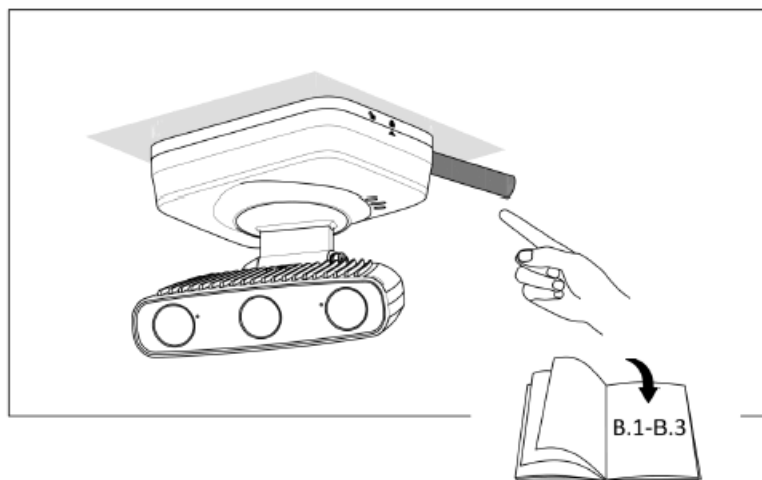
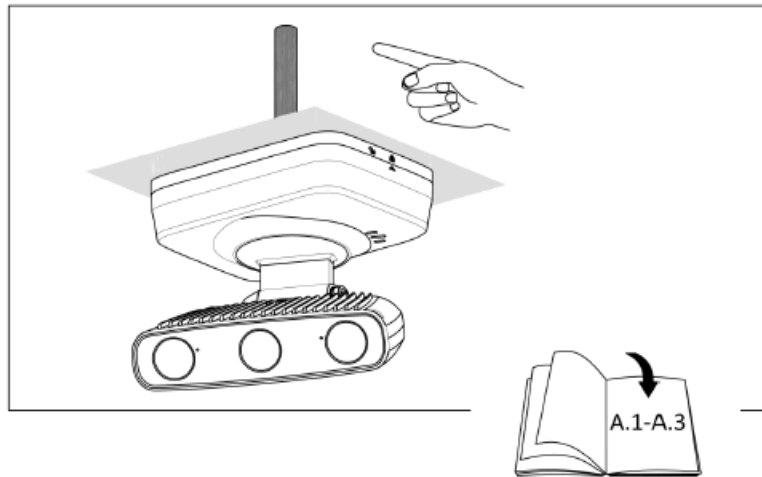
Hot parts! Burned fingers when handling the parts. Wait one-half hour after switching off before handling parts. This sticker is to indicate that the marked item can be hot and should not be touched without taking care. For device with this sticker, this device is intended for installation in a restricted access location, access can only be gained by service persons or by users who have been instructed about the reasons for the restrictions applied to the location and about any precautions that shall be taken.

### **Installation**

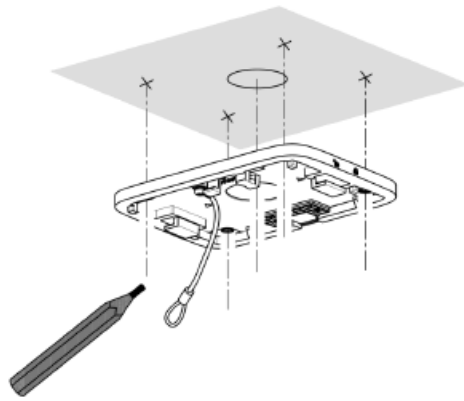
Install the device according to the instructions in this manual. To prevent injury, this device must be securely attached to the installation surface by the installation instructions. Never place the device in an unstable location. The device may fall, causing serious personal injury or death. Do not install devices for professional use in locations where children are likely to appear.

If the device is not released with a power adapter, and you need to wire the bare cables of the device: The device's external wiring connected to the hazardous live terminals requires installation by an instructed person. Make sure that the power has been disconnected before you wire, install, or disassemble the device. The power supply or device must be connected to an earthed main socket outlet. High voltage for the power supply. Do not disassemble it. If the device needs to be wired by yourself, select the corresponding wire to supply power according to the electric parameters labeled on the device. Strip off the wire with a standard wire stripper at the corresponding position. To avoid serious consequences, the length of stripped wire shall be appropriate, and conductors shall not be exposed.

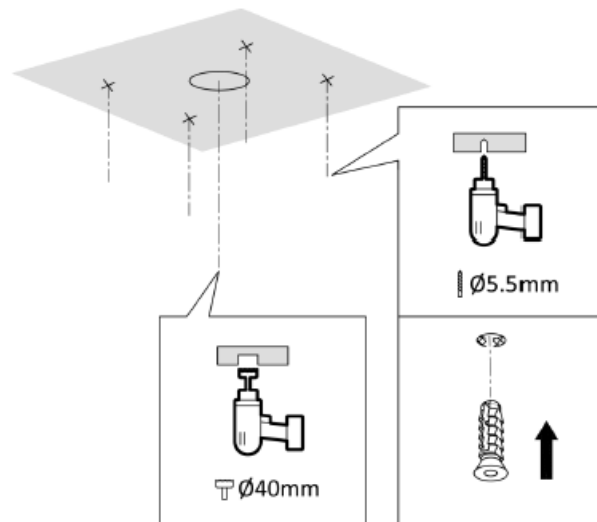
# 1.1



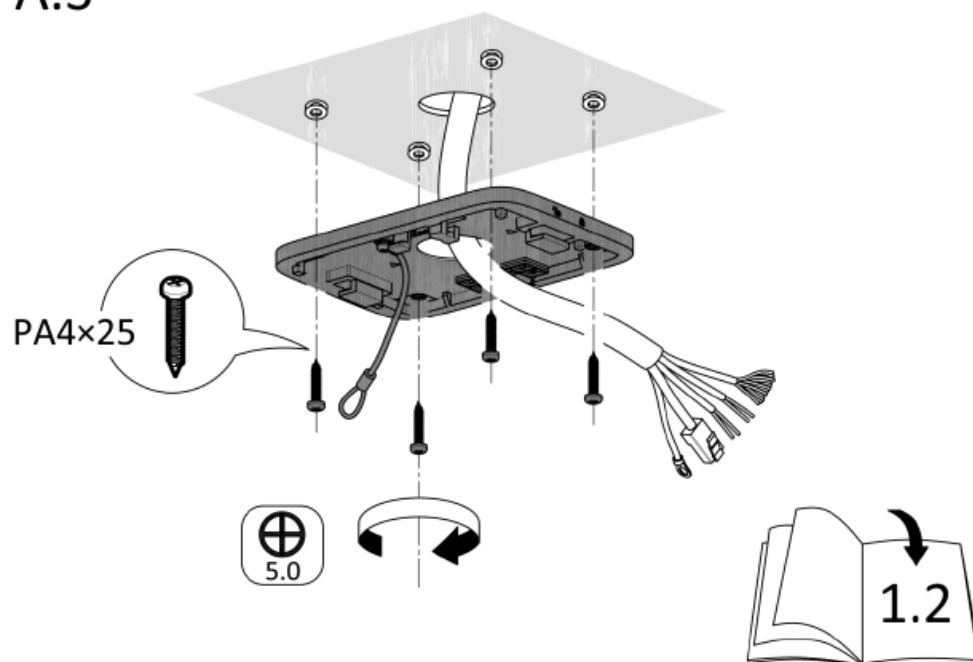
A.1



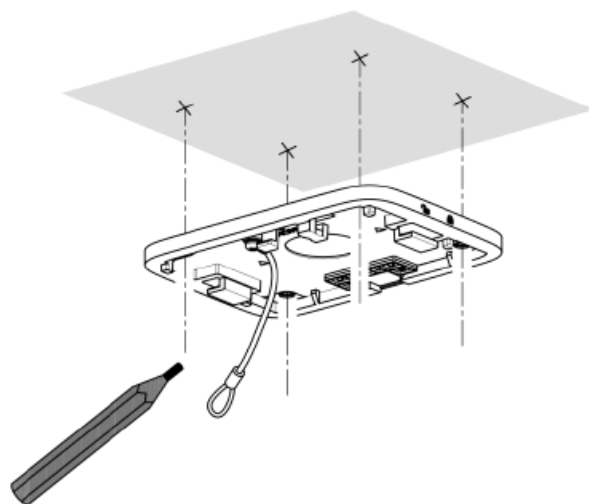
A.2



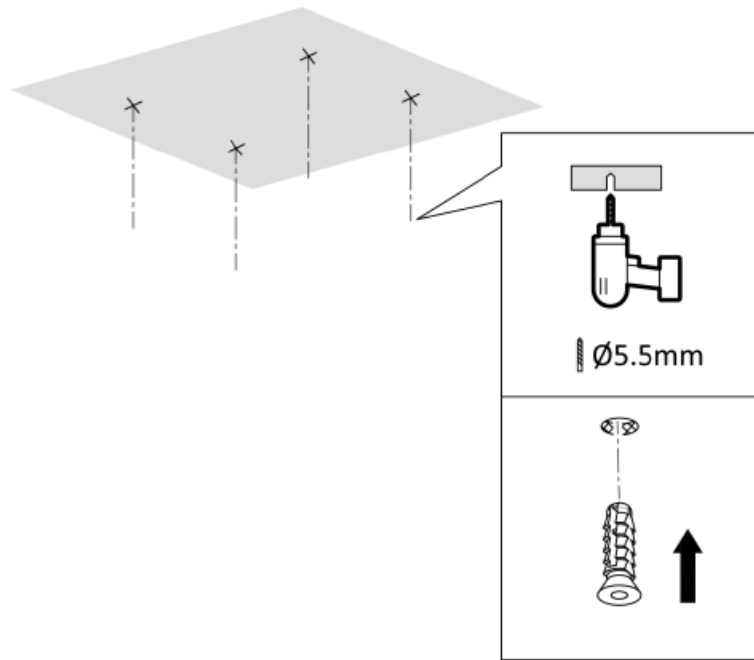
### A.3



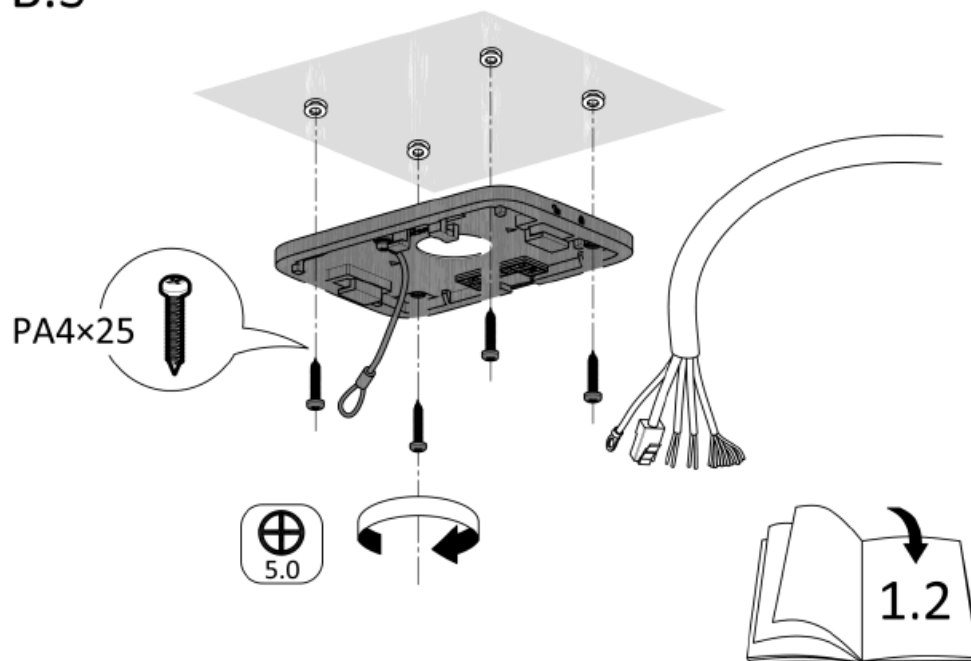
### B.1

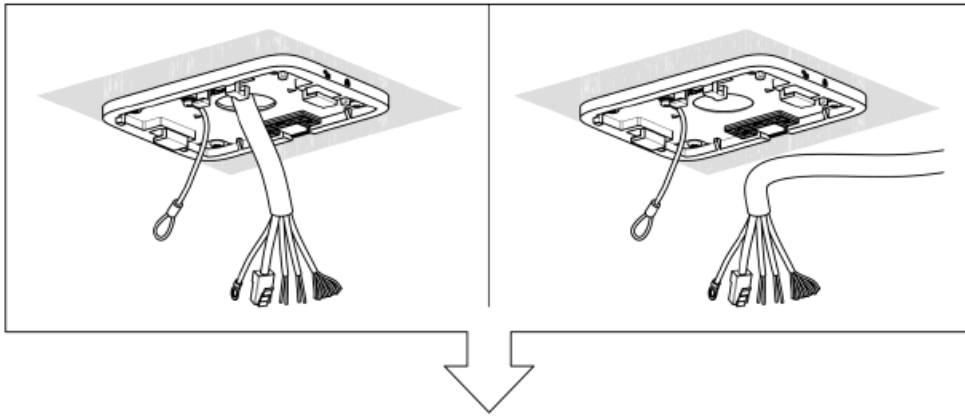


B.2

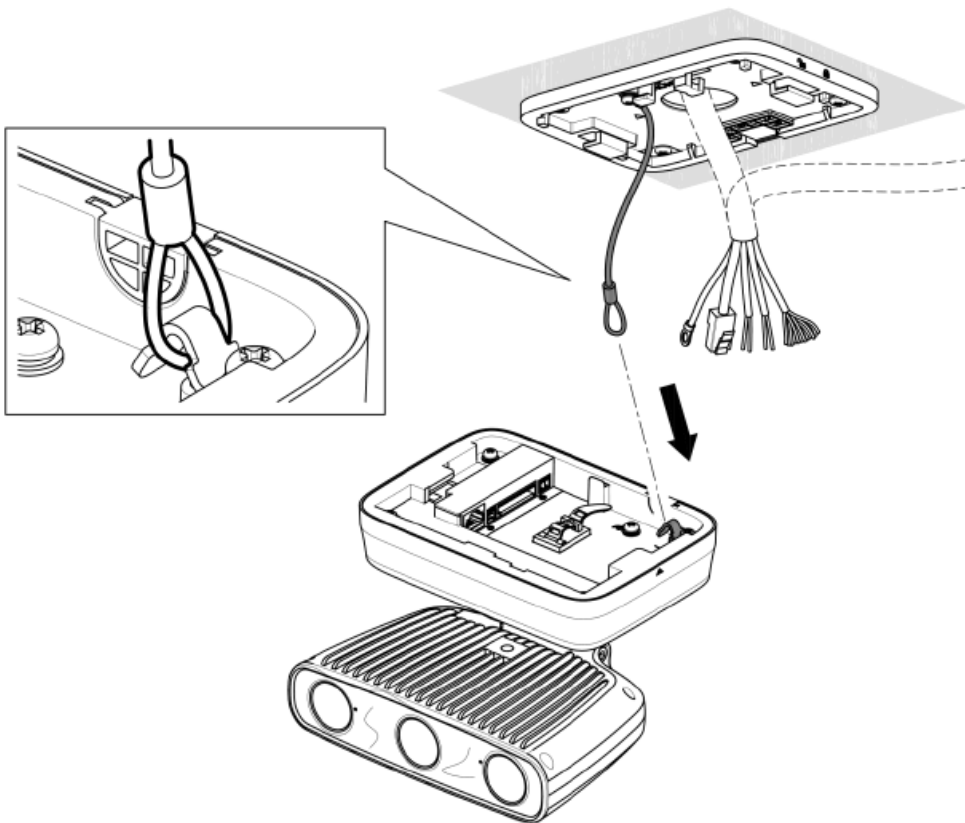


B.3

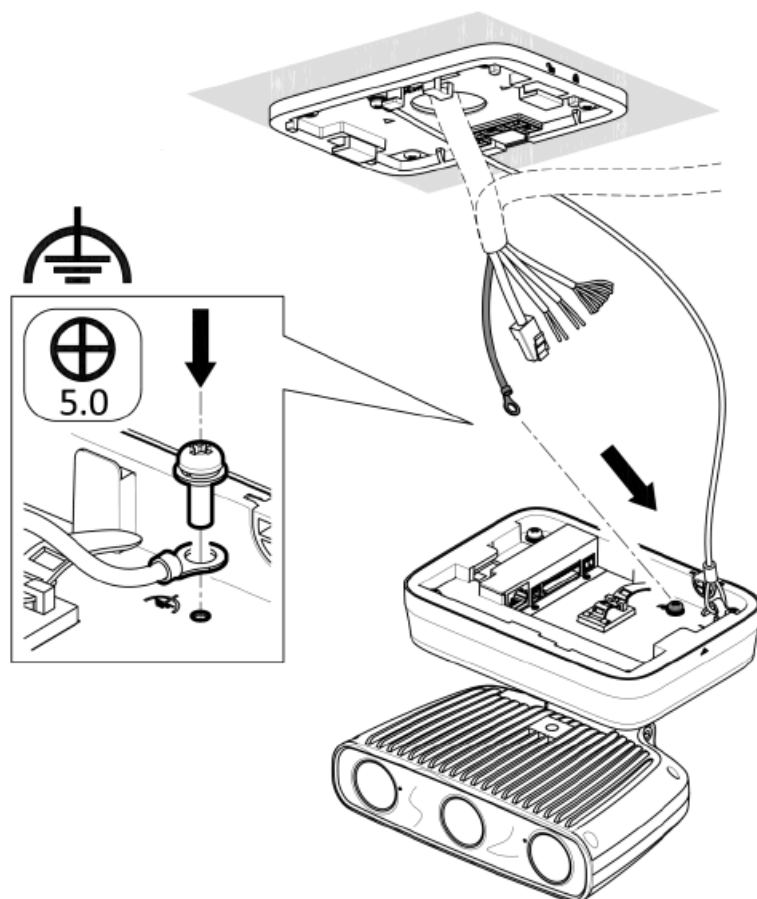




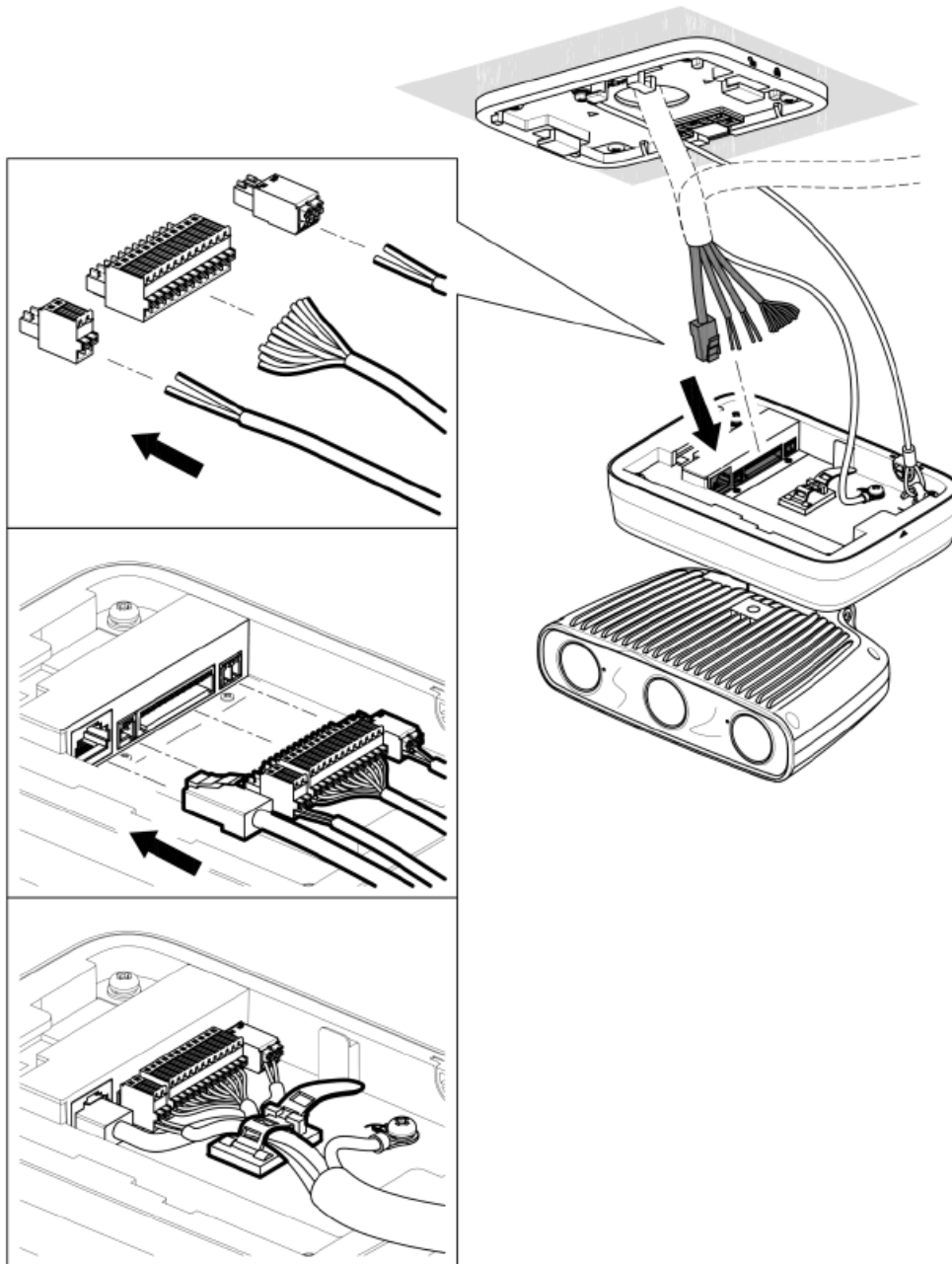
1.2



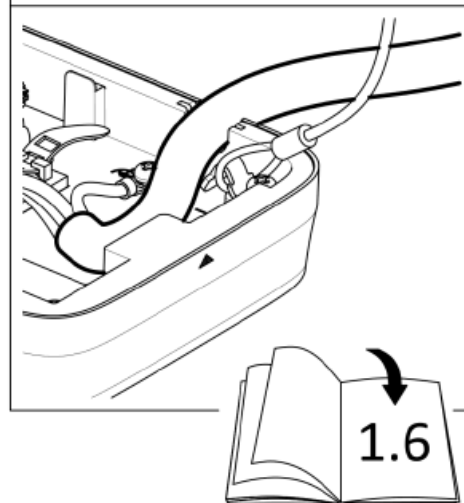
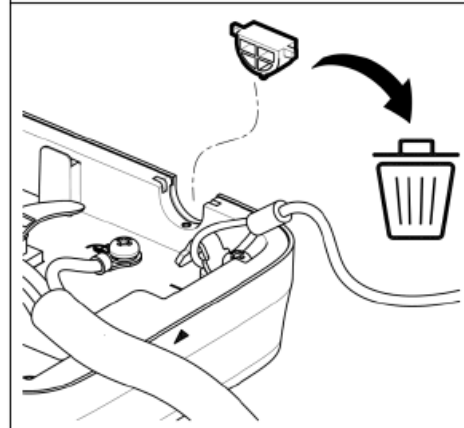
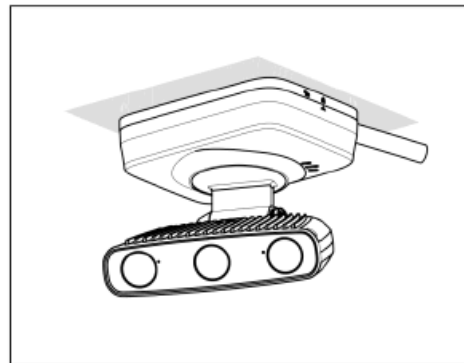
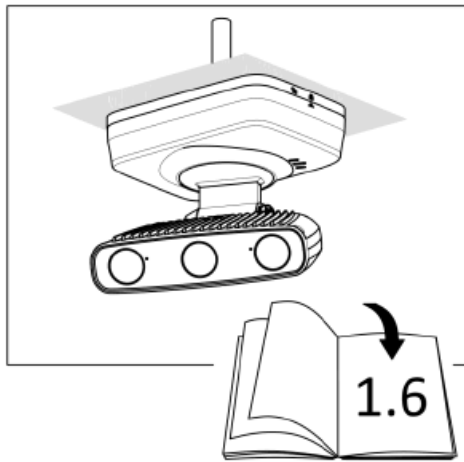
# 1.3



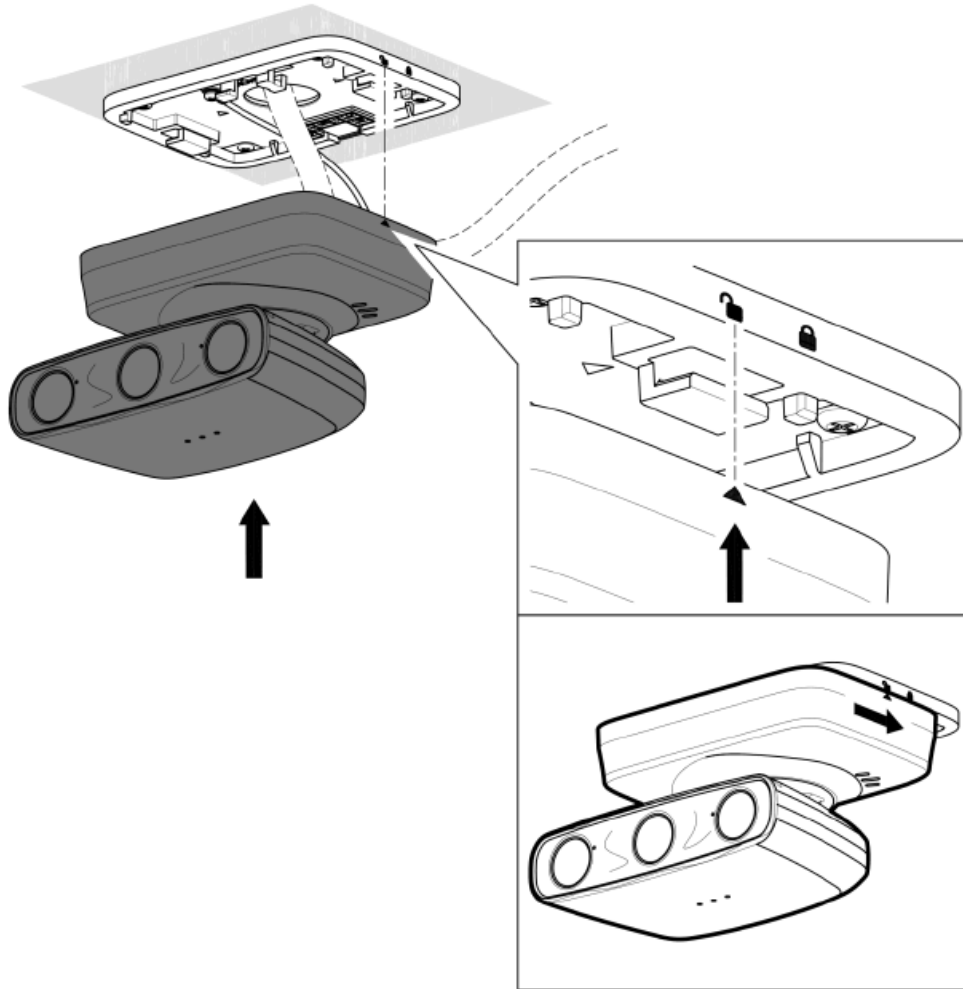
# 1.4

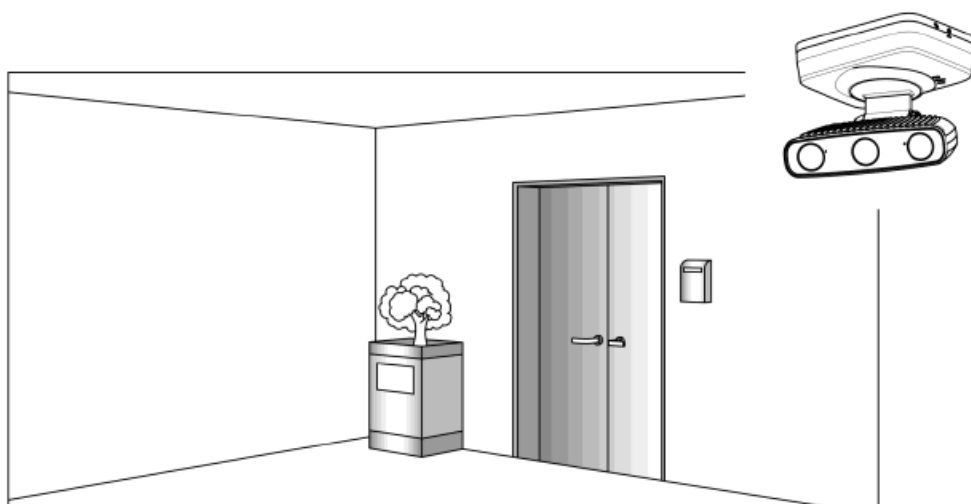


# 1.5

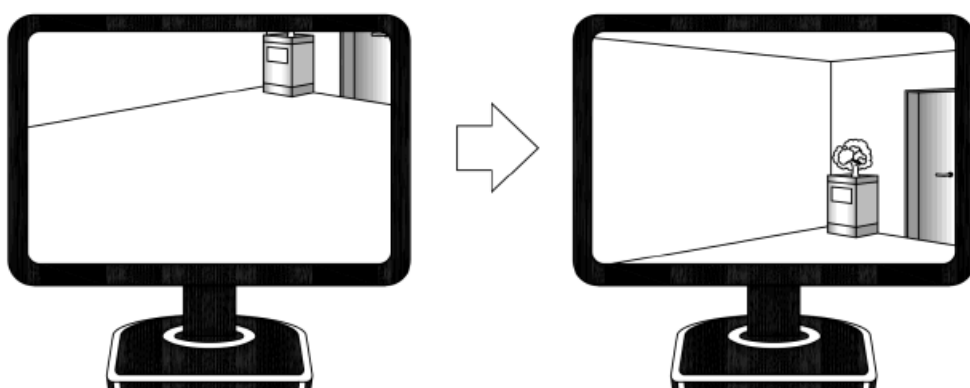
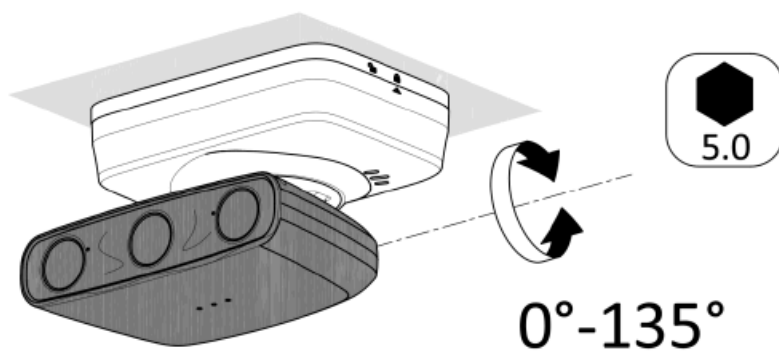


1.6

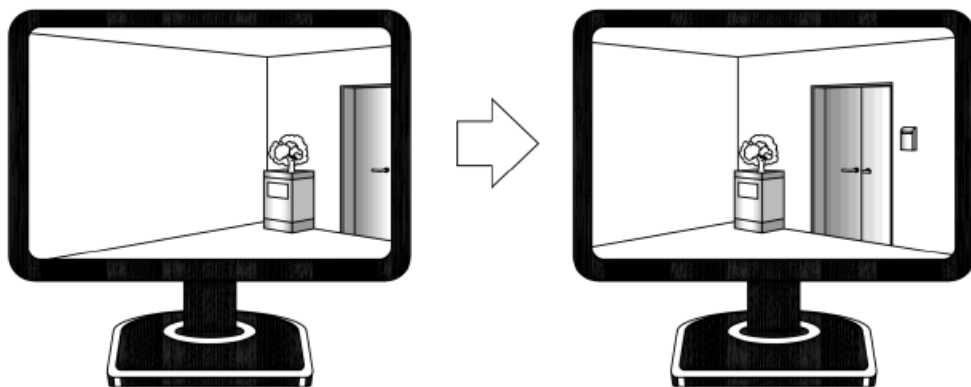
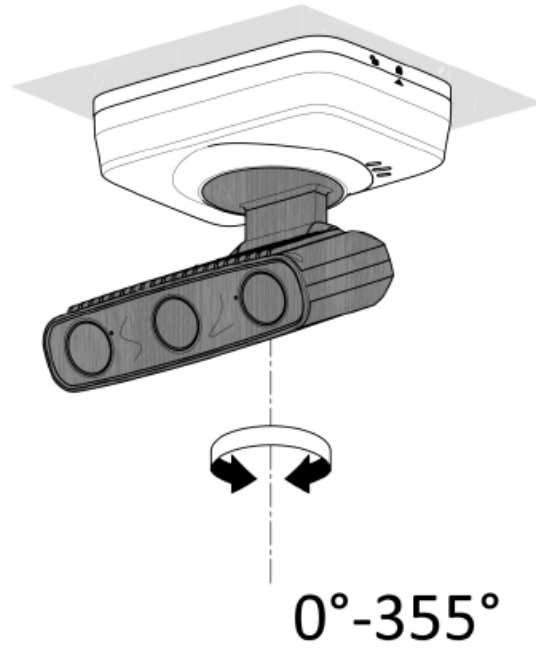




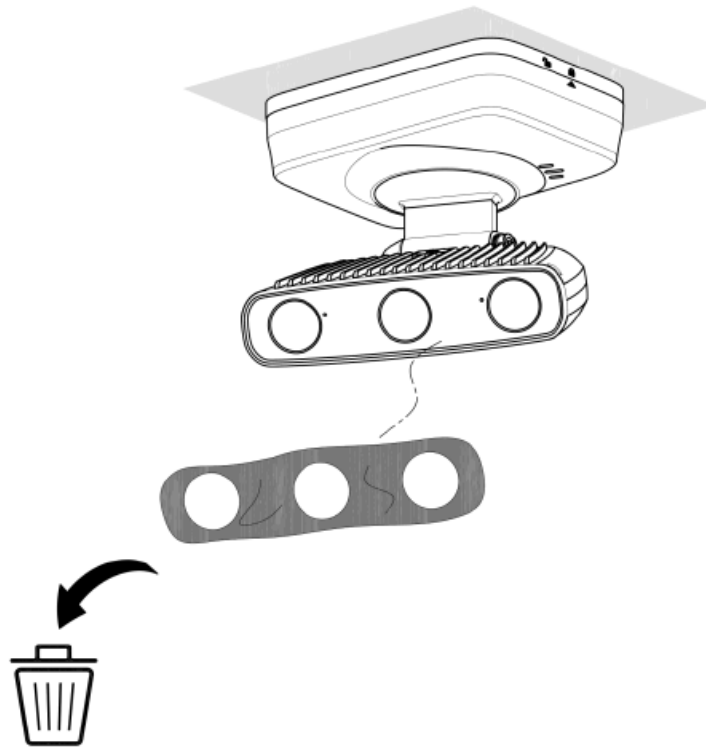
2.1



## 2.2



## 3.1



### Power Supply

- **Device powered by Safety Extra-Low Voltage (SELV):** The power source should meet limited power source or PS2 requirements according to IEC 60950-1 or IEC 62368-1 standard.
- **Device powered by AC mains supply voltage:** The equipment must be connected to an earthed mains socket-outlet. An appropriate readily accessible disconnect device shall be incorporated external to the equipment. An appropriate overcurrent protective device shall be incorporated external to the equipment, not exceeding the specification of the building. An all-pole mains switch shall be incorporated in the electrical installation of the building. If the device is powered by terminals connected to the power cord, ensure the correct voltage and wiring of the terminals for connection to the main supply. The equipment has been designed, when required, modified for connection to an IT power distribution system.

### White Light Illuminator (If supported)

Possibly hazardous optical radiation is emitted from this product. DO NOT stare at the operating light source. May be harmful to the eyes. Wear appropriate eye protection or DO NOT turn on the white light when you assemble, install, or maintain the camera. Transportation Keep the device in its original or similar packaging while transporting it.

### System Security

Please understand that you have the responsibility to configure all the passwords and other security settings about the device, and keep your username and password.

### Maintenance And Cleaning

- **Maintenance**

If the product does not work properly, please contact your dealer or the nearest service center. We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.

- **Cleaning**

Please use a soft and dry cloth when cleaning the inside and outside surfaces of the product cover. Do not use alkaline detergents.

### Using Environment

When any laser equipment is in use, make sure that the device lens is not exposed to the laser beam, or it may burn out. DO NOT expose the device to high electromagnetic radiation or dusty environments. For an indoor-only device, place it in a dry and well-ventilated environment. DO NOT aim the lens at the sun or any other bright light. Make sure the running environment meets the requirements of the device. DO NOT place the camera in extremely hot, cold, dusty, or damp locations, and do not expose it to high electromagnetic radiation.

### Emergency

If smoke, odor, or noise arises from the power supply or device, immediately turn off the power, unplug the power cable, and contact the service center.


### Time Synchronization

Set up device time manually for the first time access if the local time is not synchronized with that of the network. Visit the device via Web browse/client software and go to the time settings interface.

### Reflection

Make sure that no reflective surface is too close to the device lens. The IR light from the device may reflect back into the lens causing reflection.

## Documents / Resources

	<a href="#">HIKVISION IDS-2CD8447G0B-RS Network Camera</a> [pdf] Installation Guide IDS-2CD8447G0B-RS Network Camera, IDS-2CD8447G0B-RS, Network Camera, Camera
---	--

## References

- [HOME](#)
- [HOME](#)
- [H Hikvision USA - Leading the future of AIoT](#)
- [H Hikvision USA - Leading the future of AIoT](#)
- [H Declaration of Conformity - Compliance - Hikvision](#)
- [User Manual](#)

[Manuals±](#), [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.