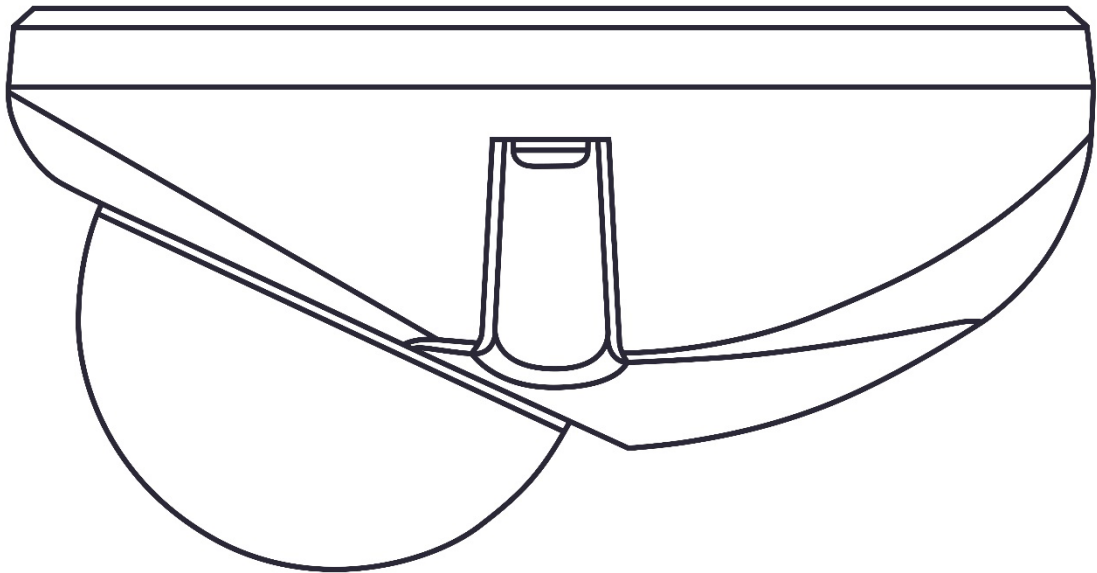


Quick Install Guide





ANAVIO Micro-Dome Camera

VA-DLP05A-512



WARNING

- This camera operates at PoE (IEEE 802.3af Class 3).
- Installation and service should be performed only by qualified and experienced technicians and comply with all local codes and rules to maintain your warranty.
- We are NOT liable of any damage arising either directly or indirectly from inappropriate installation which is not depicted within this documentation.
- To reduce the risk of fire or electric shock, do not expose the product to rain or moisture.
- Wipe the camera with a dry soft cloth. For tough stains, slightly apply a diluted neutral detergent and wipe with a dry soft cloth.
- Do not apply benzene or thinner to the camera, which may cause the surface to melt or lens to fog.
- Avoid aligning the lens with extremely bright objects (e.g., light fixtures) for long periods of time.
- Although this camera is waterproof and suitable for both indoor and outdoor usages, please do not immerse the camera into water.
- Avoid operating or storing the camera in the following locations:
 - Extremely humid, dusty, or hot/cold environments (recommended operating temperature: -22 to 131° F/-30°C to +55°C)
 - Close to sources of powerful radio or TV transmitters
 - Close to fluorescent lamps or objects with reflections
 - Under unstable or flickering light sources

 CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN		 THIS SYMBOL INDICATES THAT DANGEROUS VOLTAGE CONSTITUTING A RISK OF ELECTRIC SHOCK IS PRESENT WITHIN THE UNIT.
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.		THIS SYMBOL INDICATES THAT IMPORTANT OPERATING AND MAINTENANCE INSTRUCTIONS ACCOMPANY THIS UNIT.



WEEE (Waste Electrical and Electronic Equipment). Correct disposal of this product (applicable in the European Union and other European countries with separate collection systems). This product should be disposed of, at the end of its useful life, as per applicable local laws, regulations, and procedures.

FCC COMPLIANCE STATEMENT

Information to the user: This unit has been tested and found to comply with the limits for a Class A digital device pursuant to 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. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This unit generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this unit does cause harmful interference to radio or television reception, which can be determined by turning the unit 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 unit and receiver.
- Connect the unit 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.

CAUTION Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the unit.

CE STATEMENT

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. The manufacturer declares that the unit supplied with this guide is compliant with the essential protection requirements of EMC directive and General Product Safety Directive GPSD conforming to requirements of standards EN 55032 for emission and EN 50130-4 for immunity.

This product is IP67 rated for outdoor environments and IK10 rated for impact protection. The camera also product meets regulations required to be NDAA, GSA schedule and TAA approved.

TABLE OF CONTENTS

1	PRODUCT OVERVIEW	4
	PHYSICAL CHARACTERISTICS	4
2	INSTALLATION AND MOUNTING	7
	PACKAGE CONTENTS	7
	INSTALLATION	7
	CHECKING APPEARANCE	7
	DISASSEMBLING THE CAMERA	8
	MOUNTING THE CAMERA	9
	CONNECTING THE CABLES	9
	POE PORT & WATERPROOF CONNECTOR WIRING PROCEDURE	10
	POSITIONING THE CAMERA	12
	SECURING DESICCANT	13
	REASSEMBLING THE CAMERA	14

1 PRODUCT OVERVIEW

PHYSICAL CHARACTERISTICS

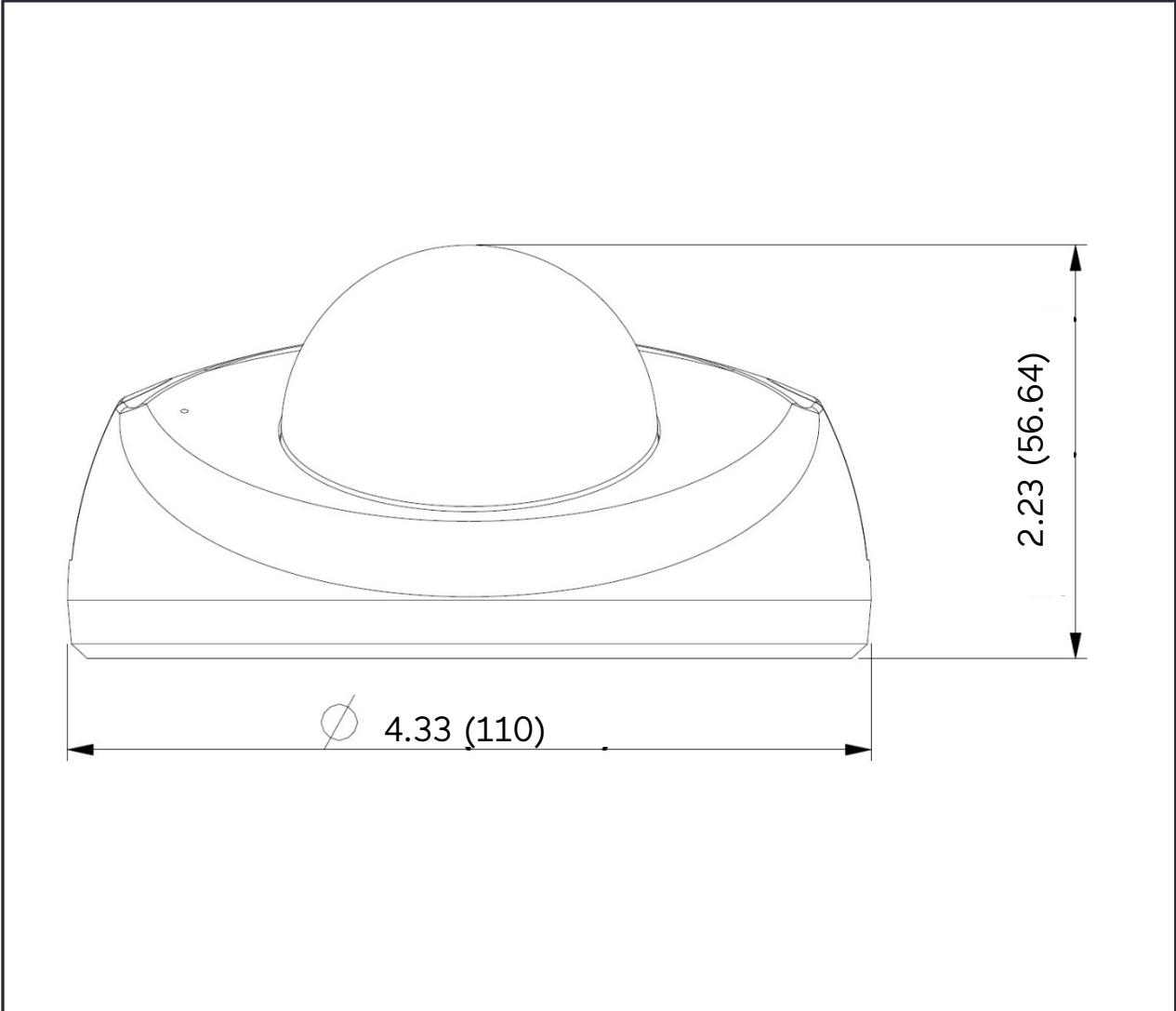


FIGURE 1-1: PHYSICAL DIMENSIONS [IN. (MM)]

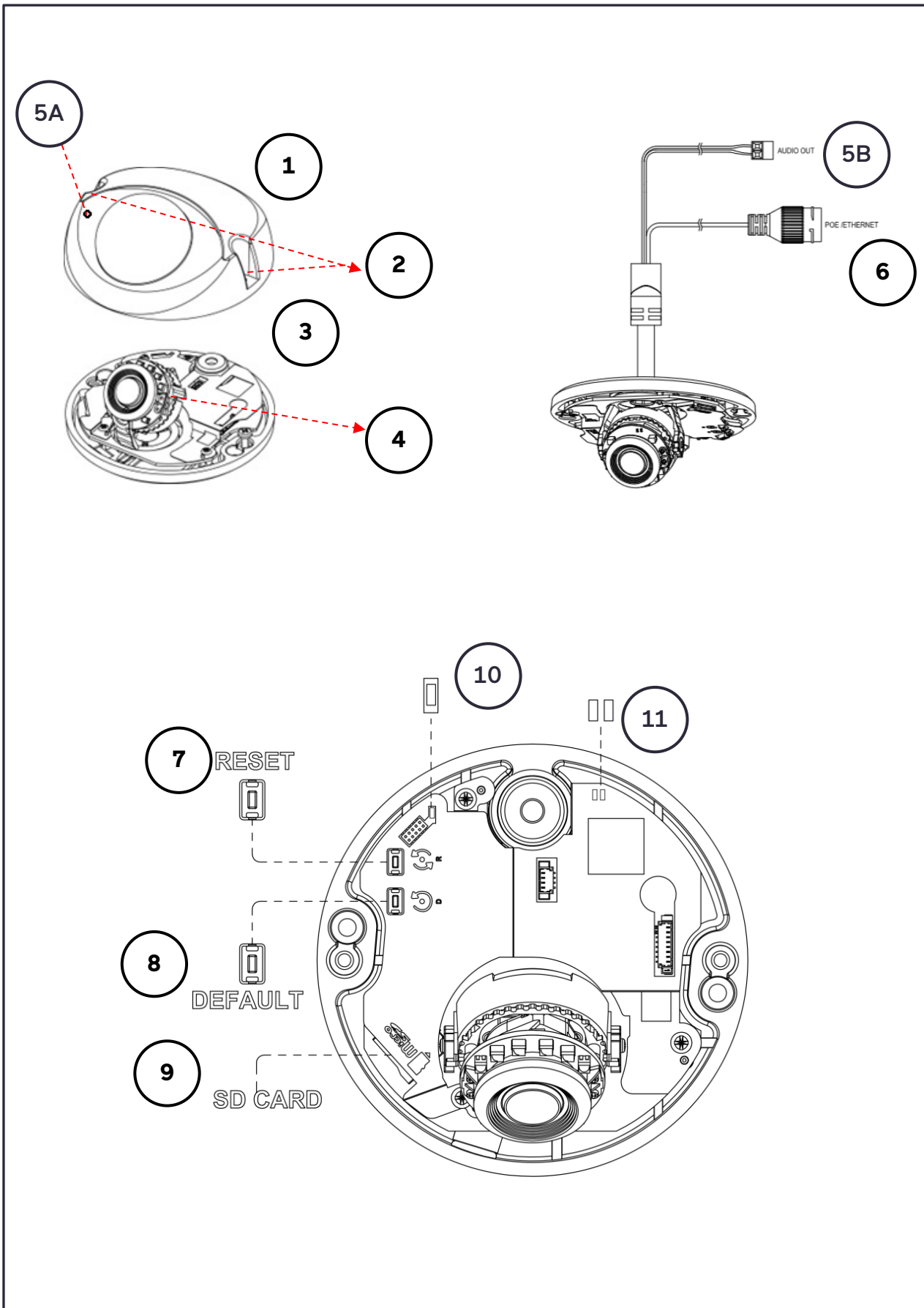


FIGURE 1-2: CAMERA COMPONENTS

1 Camera Cover

Top cover of the camera.

2 Camera Cover Screws

Screws for affixing the camera cover to the camera base.

3 Camera Base

Bottom base of the camera.

4 IR Board

The IR LED embedded board for illumination under low-light environment.

5A Mic

Built-in microphone.

5B Audio Out

Connect to device, such as a speaker.

Wire Color	Function
White	Audio Out (+)
Gray	Audio Out (-)

6 RJ-45 Ethernet Port

Connect the RJ-45 connector to this port with a PoE (Class 3) compatible network device that supplies power through the Ethernet cable.

7 Reset Button

Press the button for less than 1 second to reboot the camera.

8 Default Button

Press the button for 6 seconds to restore the camera settings to factory default.

9 Micro SD Card Slot

Micro-SD card slot for recording and file storage.

Micro SD card 512 GB, included.

10 Status LEDs

Solid Red: Indicates boot up is running.

After 2-3 seconds:

- Solid Red to Flashing Green if boot up is normal.
- Remains Solid Red if an error occurs.
- Turns off 3 minutes after a successful boot.

Flashing Amber: Indicates firmware upgrade is running.

11 Network LED Indicators

Solid Green: Indicates a live connection is established.

Flashing Orange: Indicates data is being transmitted/received between the camera and the network.

2 INSTALLATION AND MOUNTING

PACKAGE CONTENTS

Ensure all items listed below are included in the packing box.

- Micro-Dome Camera (Qty 1)
- Plastic Anchor (Qty 2)
- Pan Head Screw (Self-Tapping Type) (Qty 2)
- T20 Security Torx Bit (Qty 1)
- Mounting Template (Qty 1)
- RJ-45 Waterproof Connector Kit (Qty 1; preinstalled)
- Desiccant (Qty 1)

INSTALLATION

The following tools might be helpful for completing the installation:

- Drill
- Screwdrivers
- Wire cutters

CHECKING APPEARANCE

When unpacking, check to see if there is any visible damage to the appearance of the camera and its accessories. Remove the protective materials from the camera after every item is properly checked in accordance with the list in **Package Contents**.

DISASSEMBLING THE CAMERA

1. Use the T20 security Torx bit to loosen the 2 screws on the camera cover.
2. Gently pull the camera cover upward to separate it from the camera base.
NOTE: Be careful not to disconnect the microphone cable.

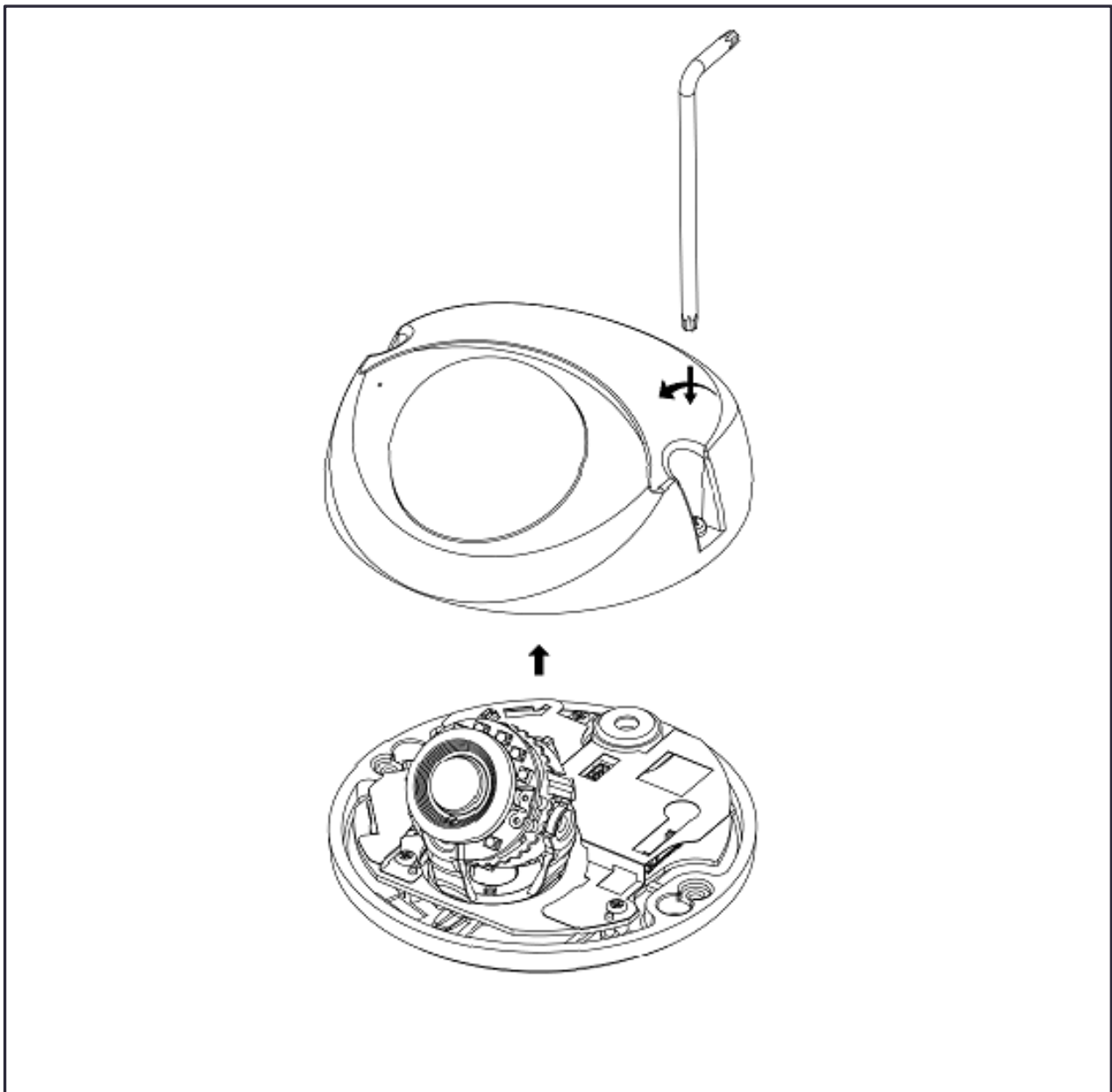


FIGURE 2-1: DISASSEMBLING THE CAMERA

PREPARING THE MOUNTING SURFACE

1. Attach the supplied mounting template to the mounting surface.
2. Drill two holes indicated on the mounting template into the mounting surface and insert the supplied plastic anchors into the holes.
3. Drill another hole with $\varnothing 30$ mm diameter, as indicated on the mounting template, into the wall or ceiling.

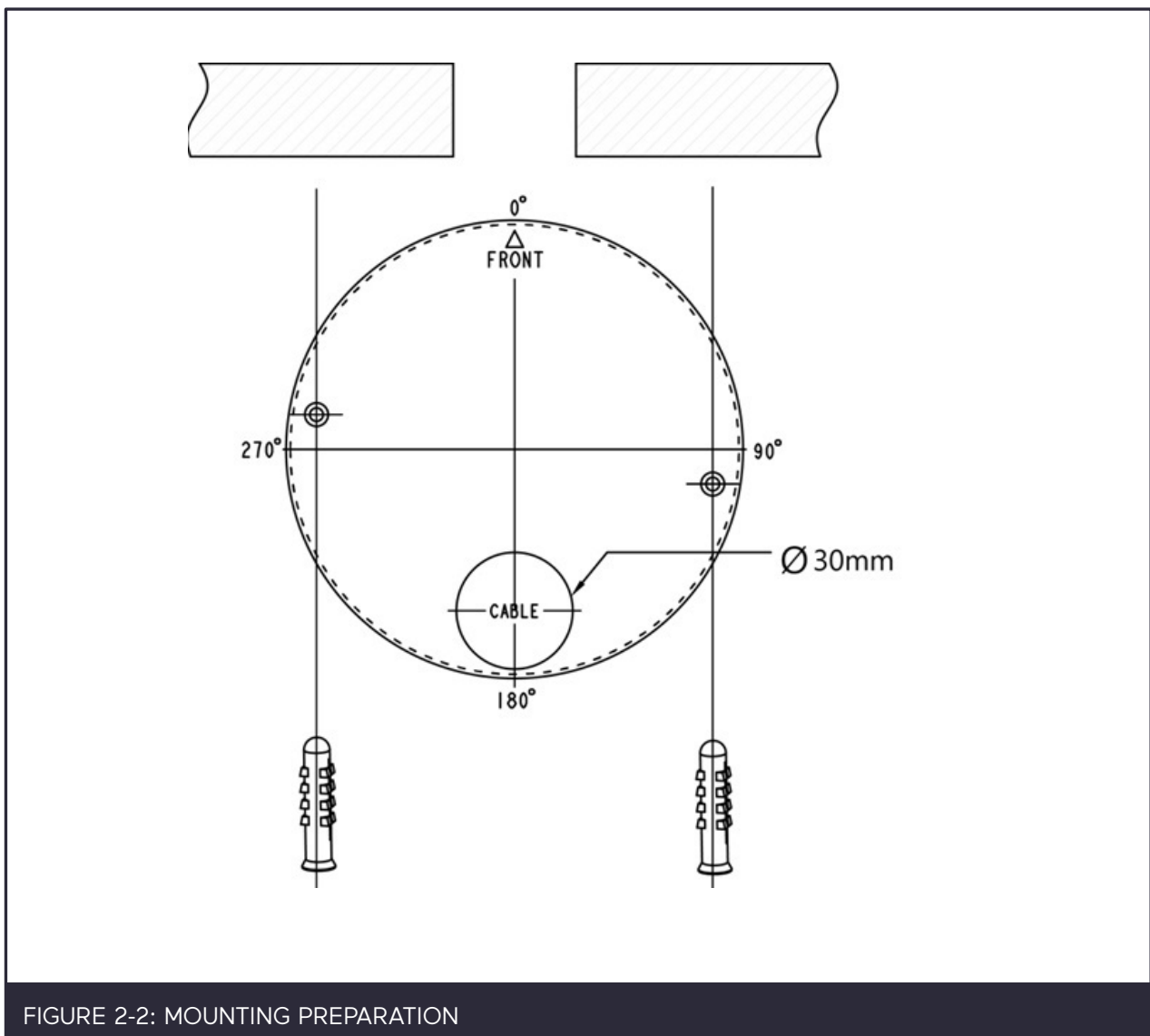


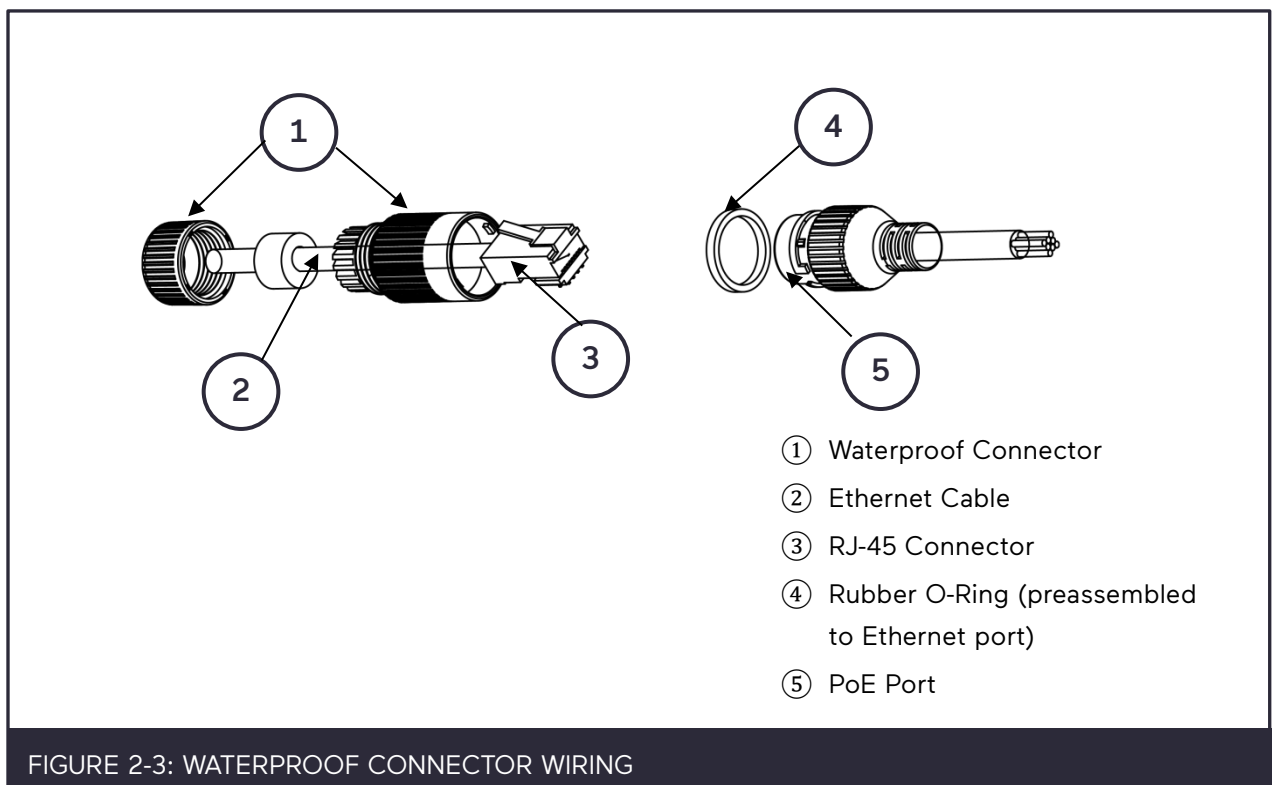
FIGURE 2-2: MOUNTING PREPARATION

CONNECTING THE CABLES

1. PoE (Class 3): Connect an Ethernet cable terminated with RJ-45 connector to the PoE RJ-45 port for both power supply and network connectivity purposes. For an outdoor IP67 installation, refer to “Waterproof Ethernet Connector Wiring.”
2. Insert audio output cable to the corresponding terminals of the camera, if required.

WATERPROOF ETHERNET CONNECTOR WIRING

1. Pass the Ethernet cable through the waterproof connector and terminate the cable with RJ-45 connector.
2. Plug the RJ-45 connector into the female Ethernet port for network connection.
3. Assemble the waterproof connector to the Ethernet port tightly for ingress protection.



MOUNTING THE CAMERA

1. Pass all cables that exit from the camera base through the hole in the mounting surface.
2. Secure the camera base to the wall or ceiling with the 2 pan head screws supplied.

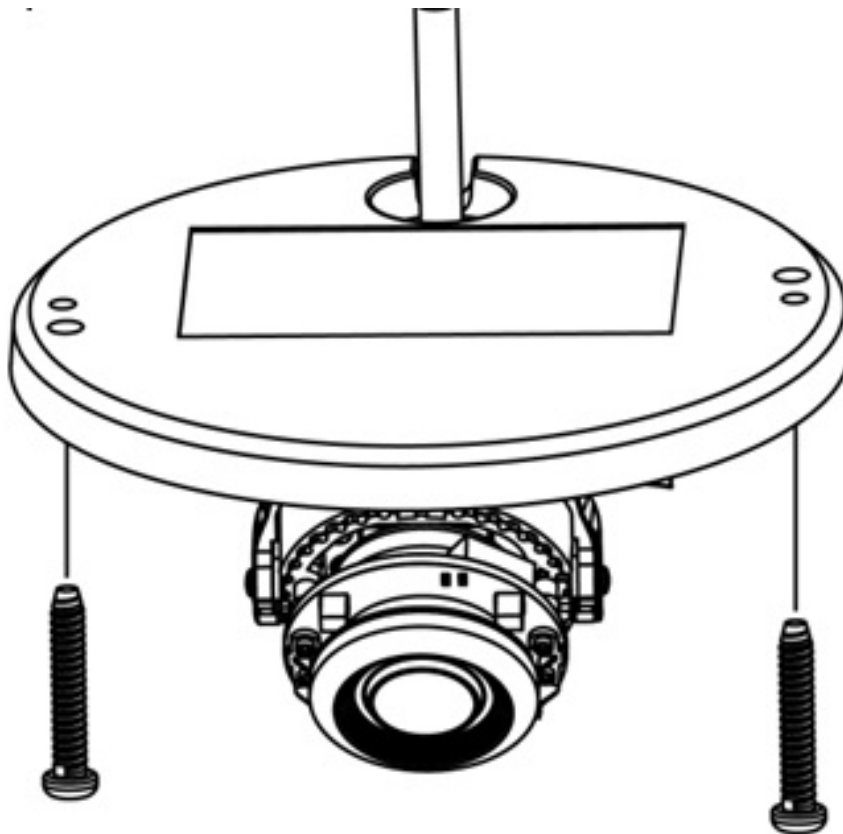


FIGURE 2-4: MOUNTING THE CAMERA

POSITIONING THE CAMERA

- **Pan Adjustment (A):** Rotate the camera module to the desired field-of-view.
- **Horizontal Rotation (B):** Rotate the camera module; do not turn it more than 355°, as this can cause the internal cables to be twisted, disconnected or broken.
- **Tilt Adjustment (C):** Tilt the camera module to desired angle.

Limitation for three axes position:

CAUTION:

Pan range: 0° ~ 180°

Rotation range: 0° ~ 355°

Tilt range: 15° ~ 80°

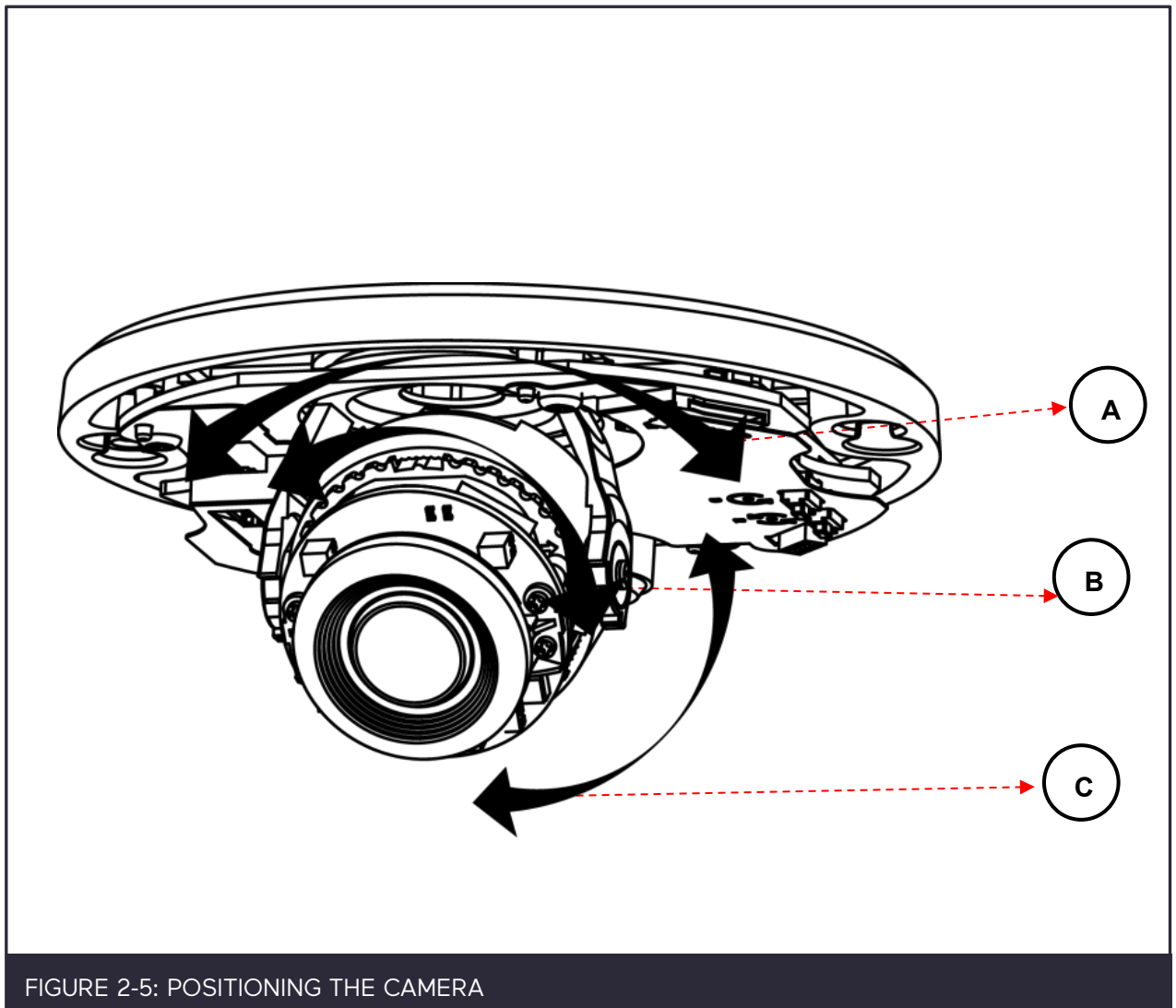


FIGURE 2-5: POSITIONING THE CAMERA

SECURING THE DESICCANT

1. Remove the desiccant from the package.
2. On the inside camera cover, insert desiccant into the circular recess, as shown in the figure below.

NOTE: Be sure to insert the desiccant before camera assembly to avoid fogging.

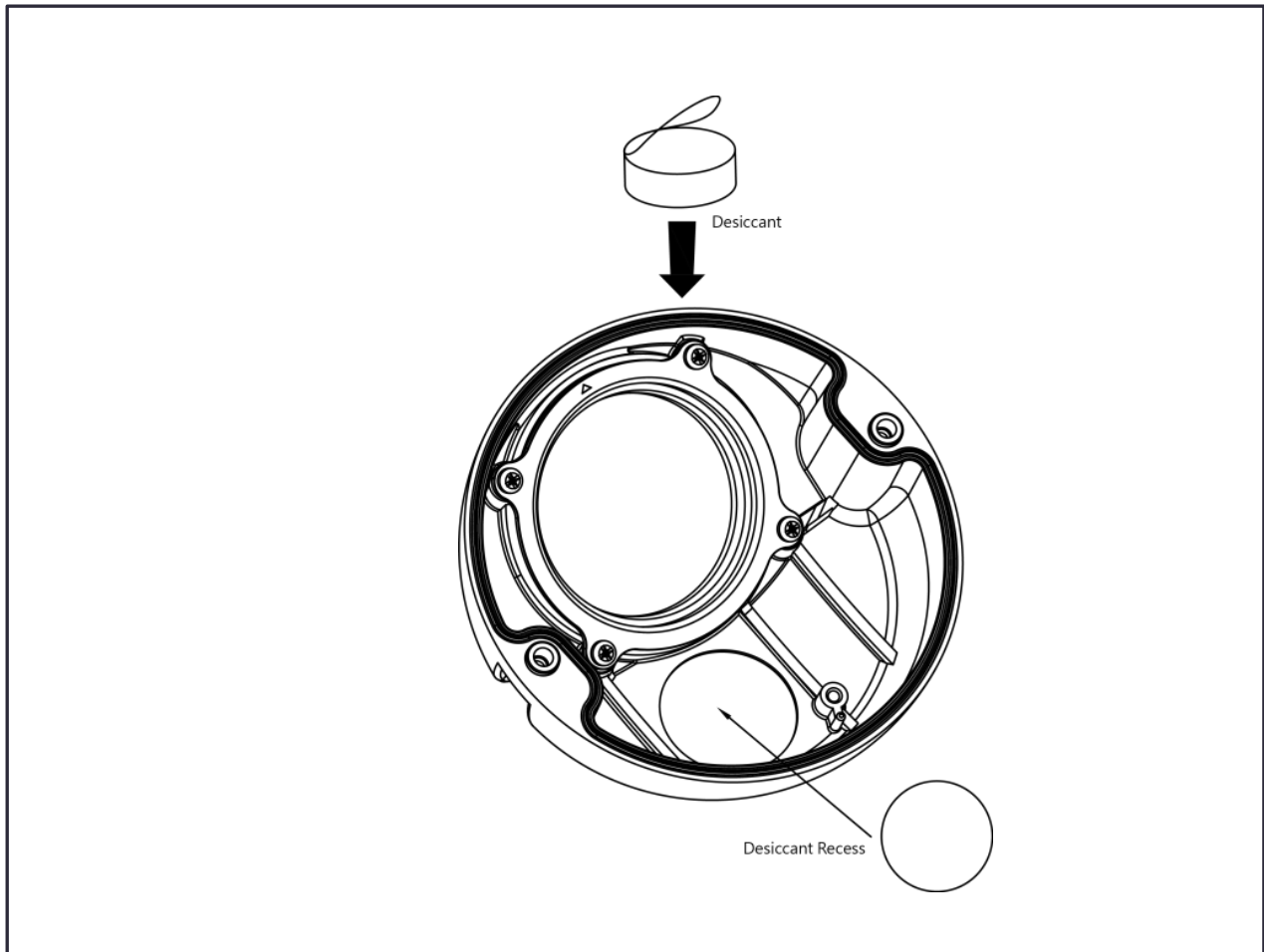


FIGURE 2-6: SECURING DESICCANT

REASSEMBLING THE CAMERA

1. After mounting the camera base to the surface, reattach the camera cover.
NOTE: When installing the cover, be sure the microphone wires do not get pinched between the cover and gasket, to ensure the camera remains watertight.
2. To complete installation, use the T20 Torx bit to fasten the camera cover to the camera base by securing screws tightly.



FIGURE 2-7: REASSEMBLING THE CAMERA



Vicon Industries Inc. does not warrant that the functions contained in this equipment will meet your requirements or that the operation will be entirely error free or perform precisely as described in the documentation. This system has not been designed to be used in life-critical situations and must not be used for this purpose.

Document Number: 8009-8340-20-00 Rev: 7/24
Product specifications subject to change without notice
Copyright © 2024 Vicon Industries Inc. All rights reserved.

24-Hour Technical Support:
800-34-VICON (800-348-4266)
UK: 44/(0) 1489-566300
Toll Free: 800-645-9116

T: 631-952-2288
F: 631-951-2288

vicon-security.com