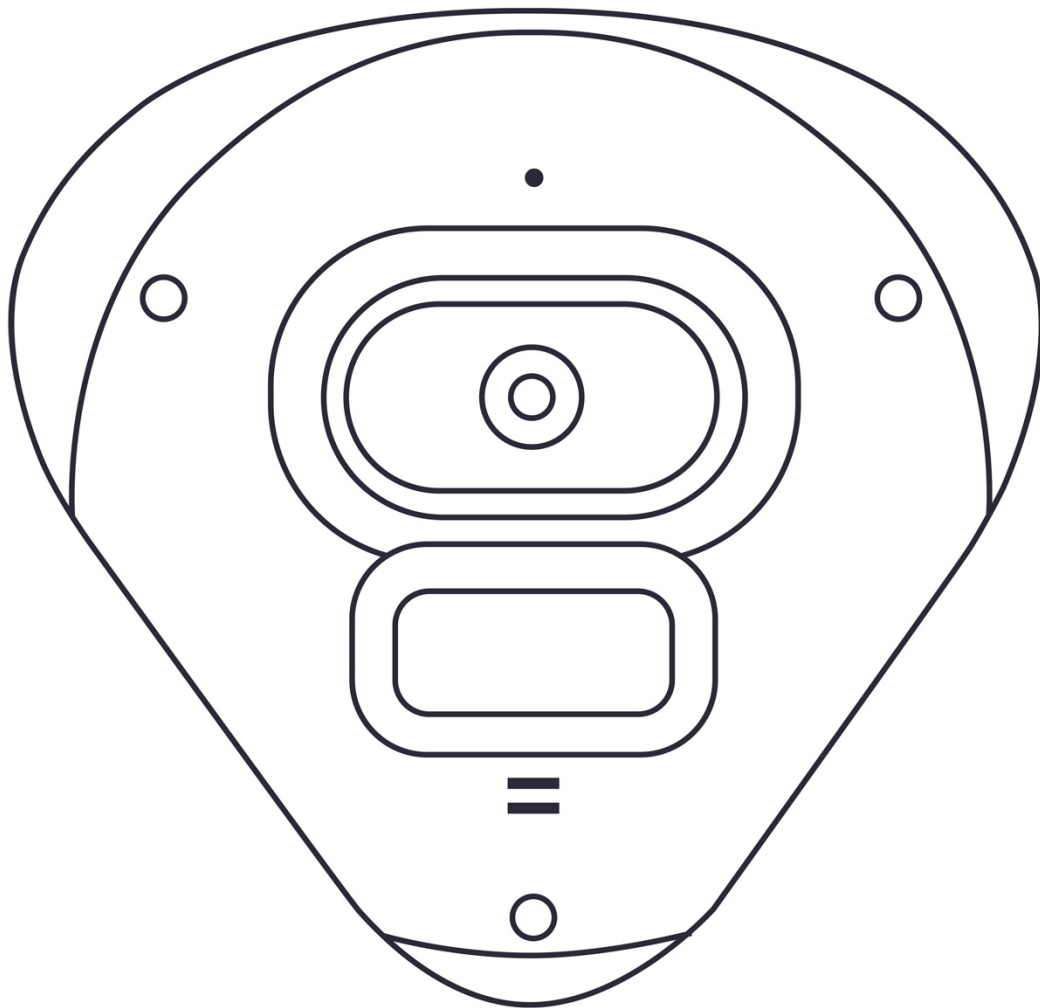


Quick Install Guide




ANAVIO Corner Camera

VA-CNR05A-512



WARNING

- This camera operates at 12 VDC/24 VAC/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.
- Avoid operating or storing the camera in the following locations:
 - Extremely humid, dusty, or hot/cold environments
(recommended operating temperature: -4 to 140° F/-20°C to +60°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, EN 50130-4 for immunity.

This product meets regulations required to be NDAA, GSA schedule and TAA approved.

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1 PRODUCT OVERVIEW

PHYSICAL CHARACTERISTICS

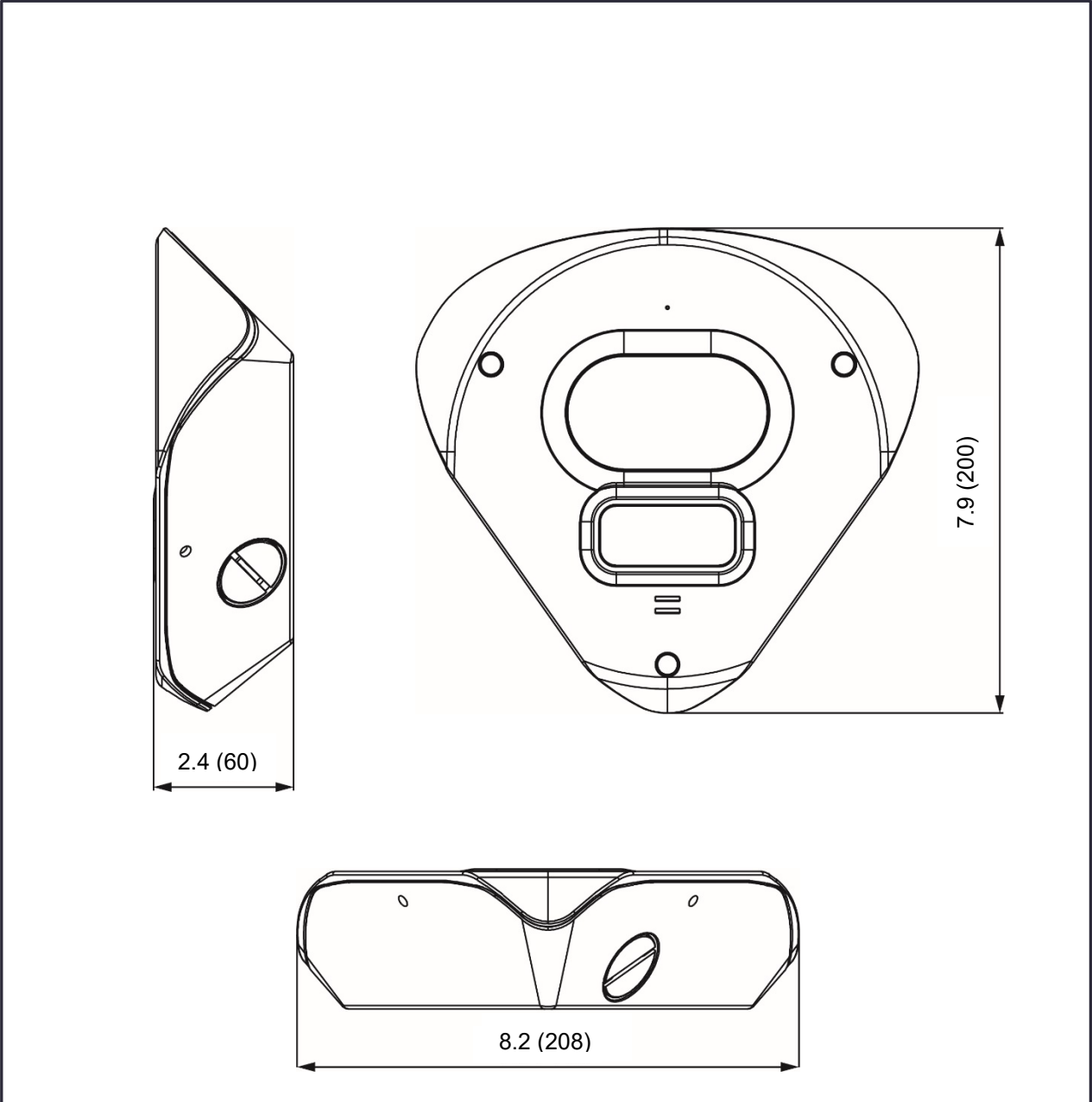
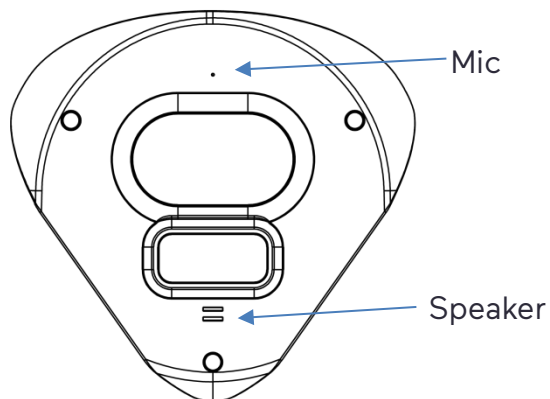
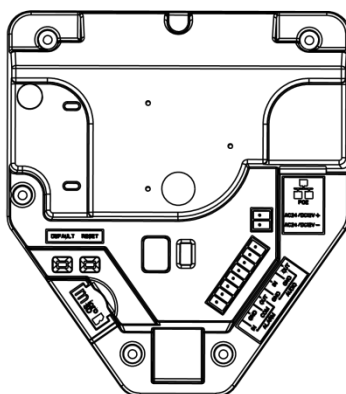


FIGURE 1-1: PHYSICAL DIMENSIONS [IN. (MM)]

Camera Top Cover



Camera Module



Bottom Case

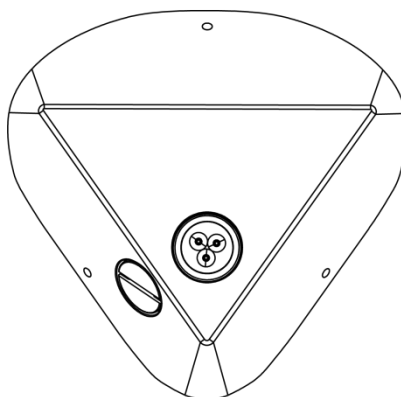


FIGURE 1-2: PARTS OUTER VIEW

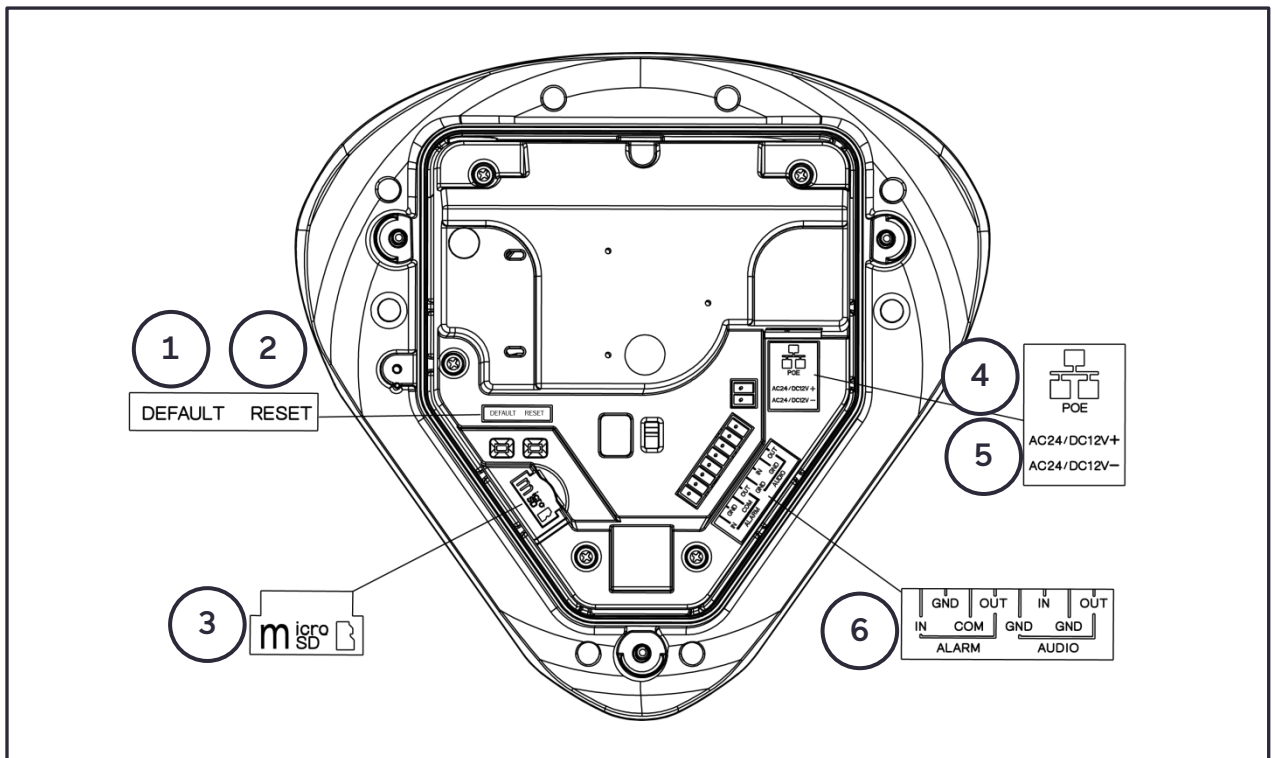


FIGURE 1-3: PARTS INNER VIEW

- | | |
|--|--|
| <p>1 Default Button</p> <p>Press the button for 5 seconds to restore the camera settings to factory default.</p> | <p>5 Power Terminal</p> <p>The port is used to connect with external 24 VAC/12 VDC power supply.</p> |
| <p>2 Reset Button</p> <p>Press the button for approximately 1 second to reboot the camera.</p> | <p>6 Alarm/Audio Inputs and Outputs</p> <p>DI/DO (Digital Input/Digital Output) ports are provided for external devices, e.g., door contacts, smoke detector, audible alarm, etc.</p> <ul style="list-style-type: none"> • Alarm In: Via “GND” and “Alarm In” ports; connect to external device that can trigger alarm input signals. • Alarm Out: Via “COM” and “Alarm Out” ports; connect to external device to be triggered through alarm output signals. <p>Audio Input/Output ports are provided for connection of external microphone and speaker.</p> <ul style="list-style-type: none"> • Audio In: Via “GND” and “Audio In” ports; connect to external device such as microphone that receives sound for camera. • Audio Out: Via “GND” and “Audio Out” ports; connect to device such as speaker to be triggered through alarm output signals. |
| <p>3 Micro SD</p> <p>Micro-SD card (512 GB, included) slot for recording and file storage.</p> | |
| <p>4 RJ-45 Network Port</p> <p>Connect the RJ-45 connector to this port with a PoE (IEEE 802.3af Class 3) compatible network device that supplies power through the Ethernet cable.</p> | |

2 INSTALLATION AND MOUNTING

PACKAGE CONTENTS

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

- Camera (Qty 1)
- Screw Cover Plugs (Qty 3)
- Plastic Anchor (Qty 3)
- T20 Torx Wrench (Qty 1)
- T20 Torx Screw (Qty 3)
- Desiccant (Qty 2)
- 8-pin Terminal Connector (for I/O function) (Qty 1)
- 2-pin Terminal Block (Qty 1)

INSTALLATION

The following tools might be helpful for completing the installation:

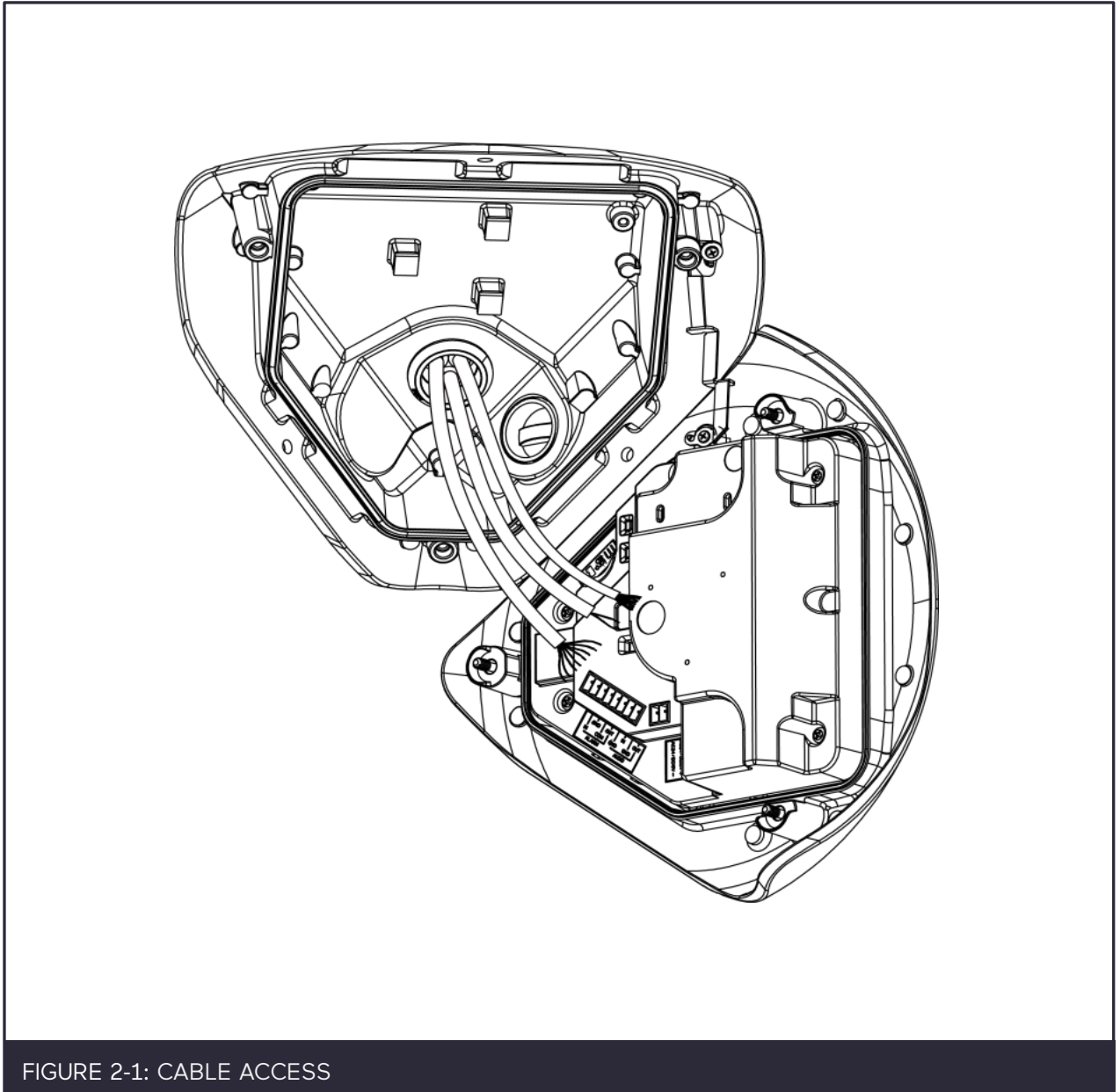
- Drill
- Screwdrivers
- Wire cutters

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**.

CONNECTING THE CABLES

1. Remove the rubber plugs from the rubber grommet on the bottom case by pulling the tabs off to access the holes. Only remove plug from holes that will be used. Pull all cables through the cable holes of rubber grommet.



2. Terminate the cables as required with the appropriate connectors. For power options:

- **PoE (Class 3):** Connect an Ethernet cable terminated with an RJ-45 connector to the Ethernet port for both power supply and network connectivity.
- **24 VAC:** Connect 24 VAC power cable to the terminal block and connect to the 24 VAC power port.
- **12 VDC:** Connect 12 VDC power cable to the terminal block and connect to the 12 VDC power port.
- **Audio and Digital I/O:** Insert audio in/out and digital I/O cables to the corresponding terminals as required.

NOTE: There is no polarities requirement. For an external microphone, it is recommended to connect to ground (GND) on the digital I/O connector.

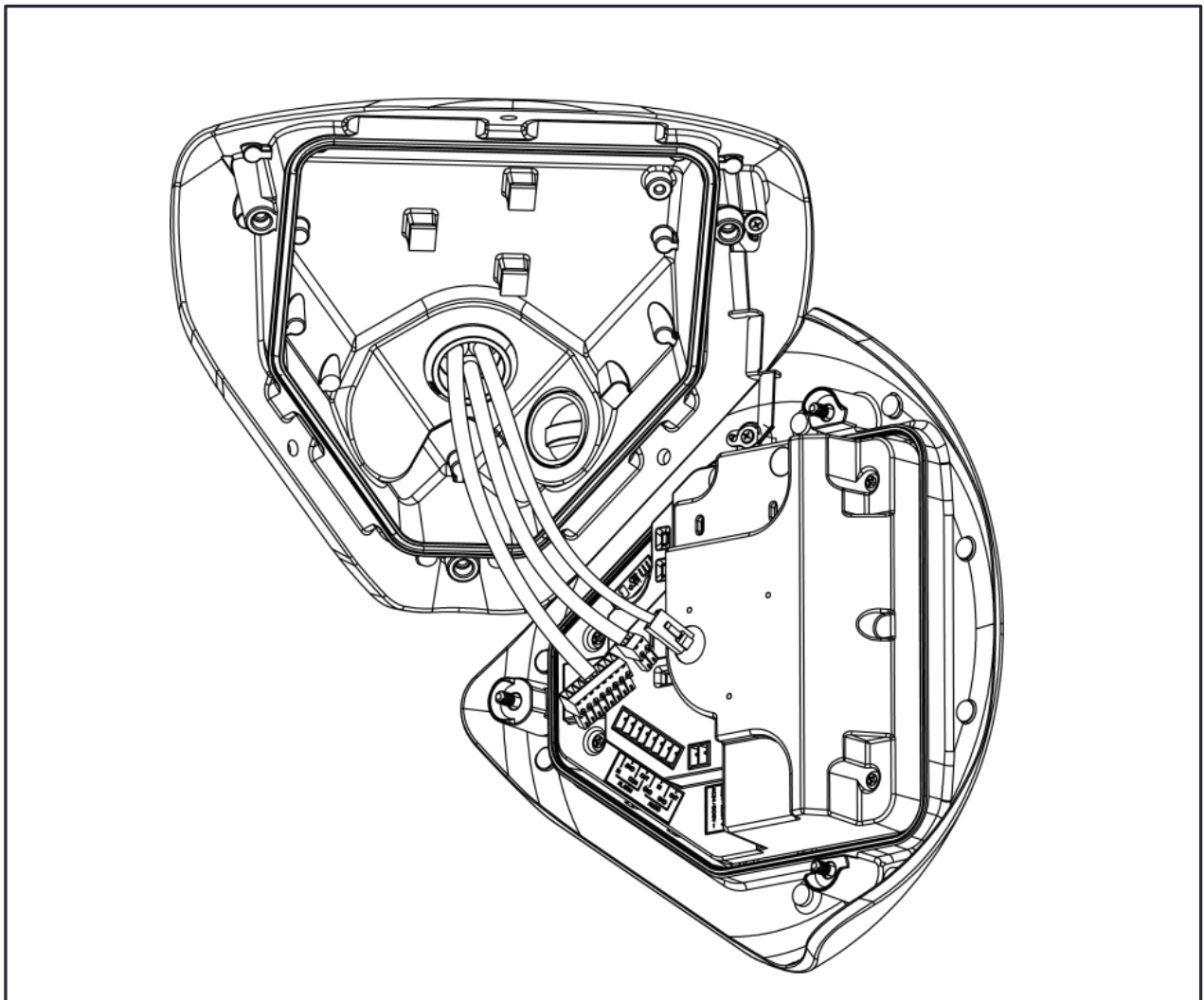


FIGURE 2-2: CABLE CONNECTIONS

INSTALLING THE CAMERA INTO A CORNER

1. Use the camera's bottom case to mark the location for the three mounting holes. Drill three holes on the selected mounting surface. Insert three plastic anchors (provided) into the three holes.

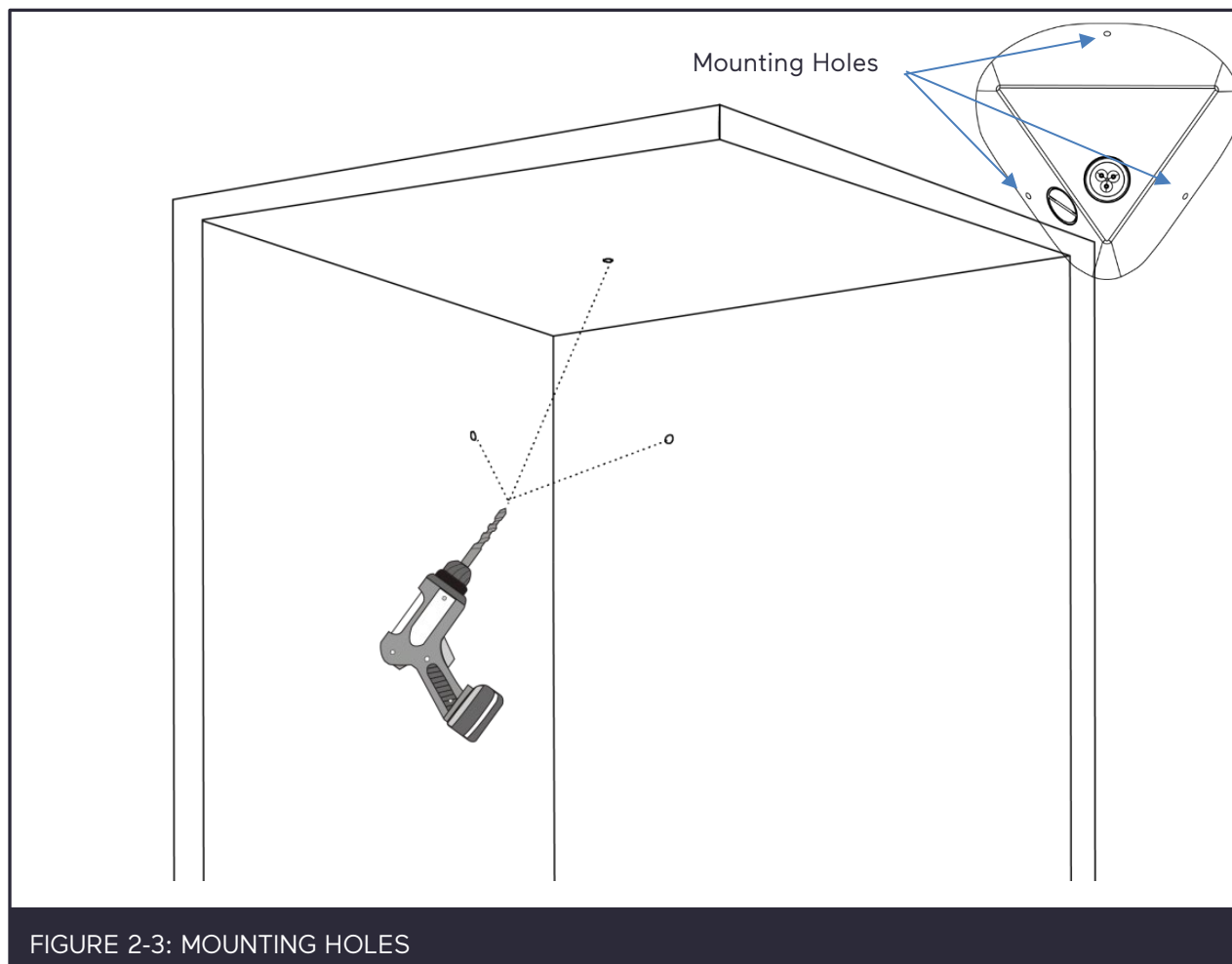


FIGURE 2-3: MOUNTING HOLES

- 2. Align the three holes on the bottom case with the three holes on the wall and use the Torx wrench to fasten the three T20 Torx screws to securely affix the camera to the wall.

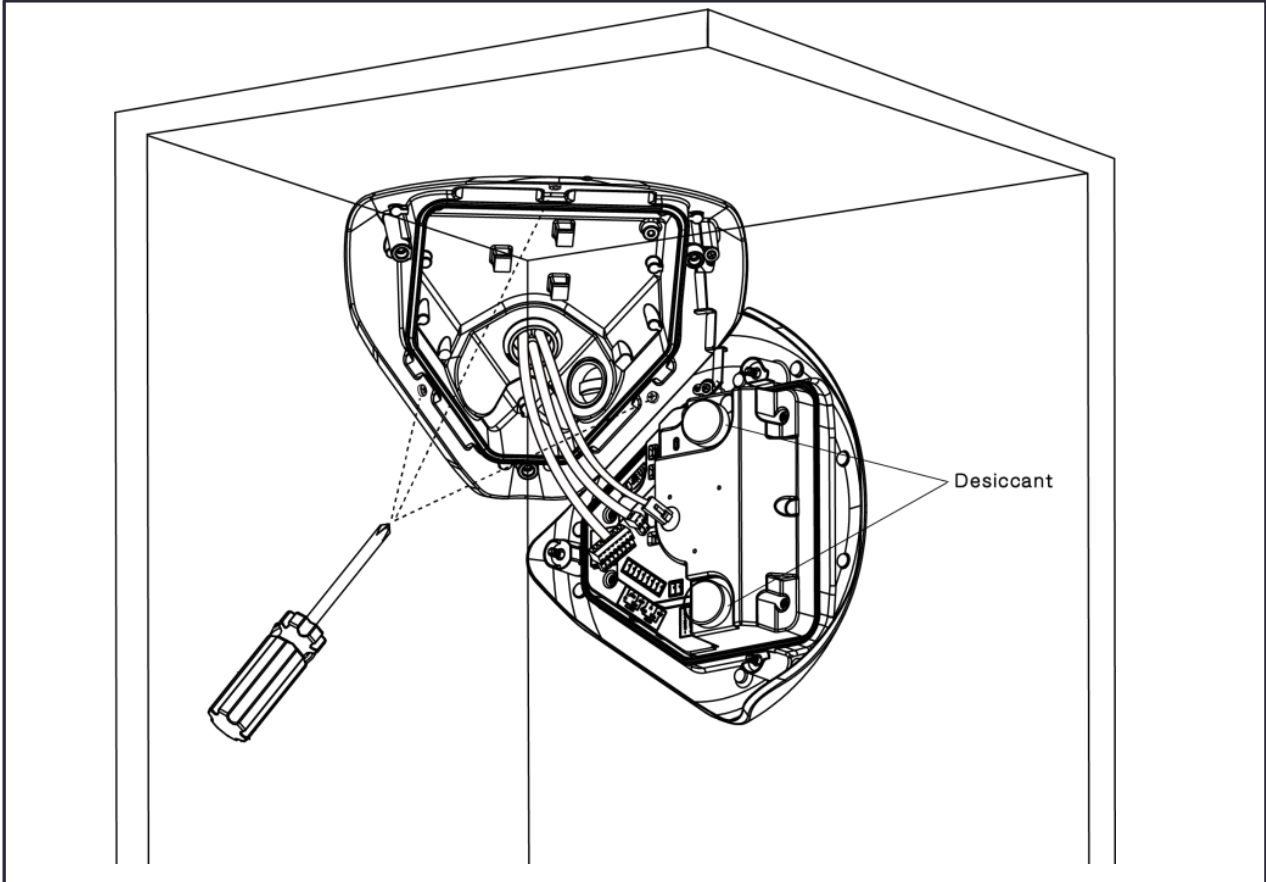


FIGURE 2-4 CAMERA INSTALLATION

- 3. Insert the two desiccants into the top cover as shown on the figure above.

- 4. Align the three holes on the camera top cover with the three holes on the camera module.

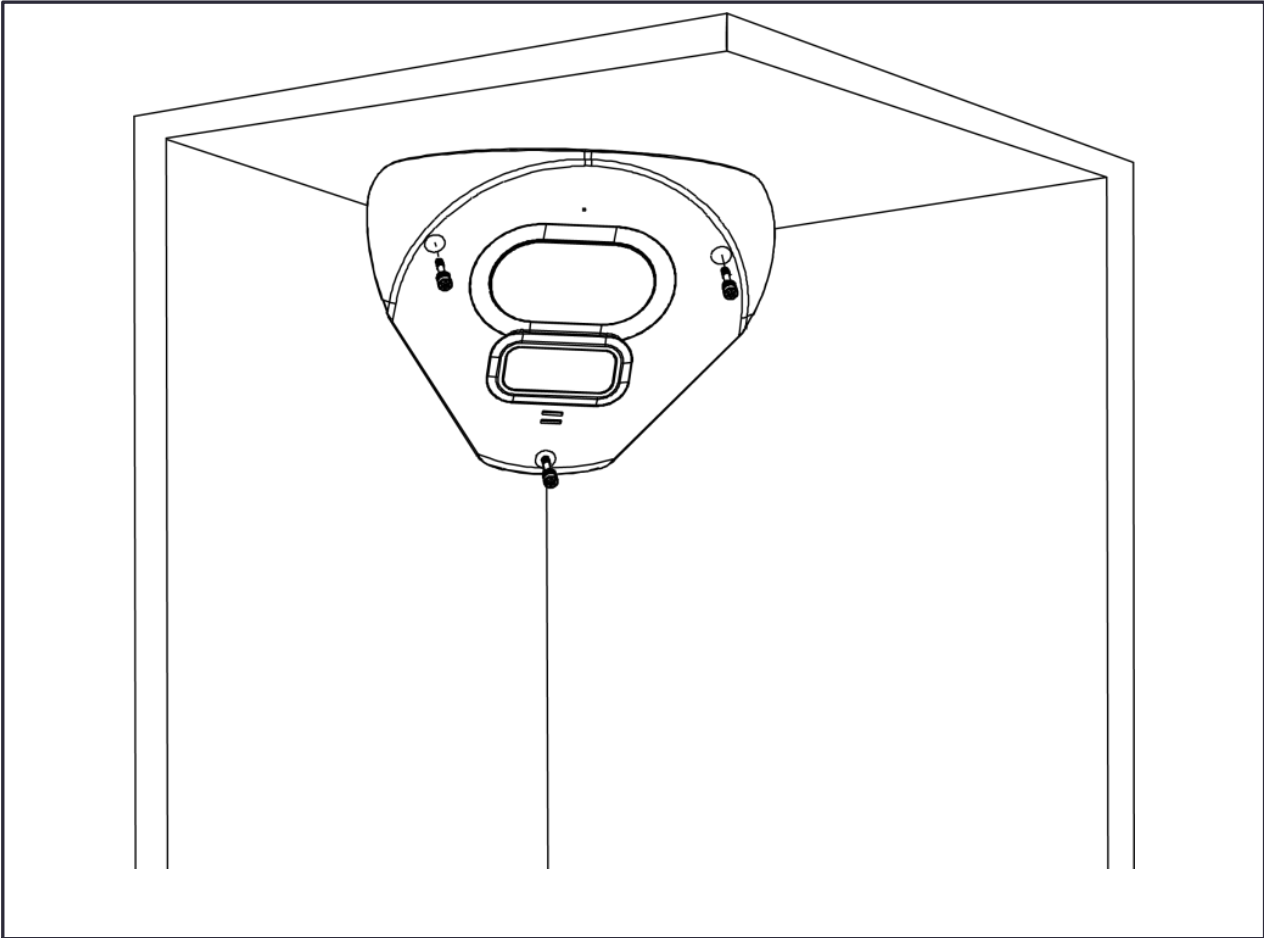


FIGURE 2-5: INSTALLING THE CAMERA MODULE

5. Tighten the three captive Torx screws using the Torx wrench.

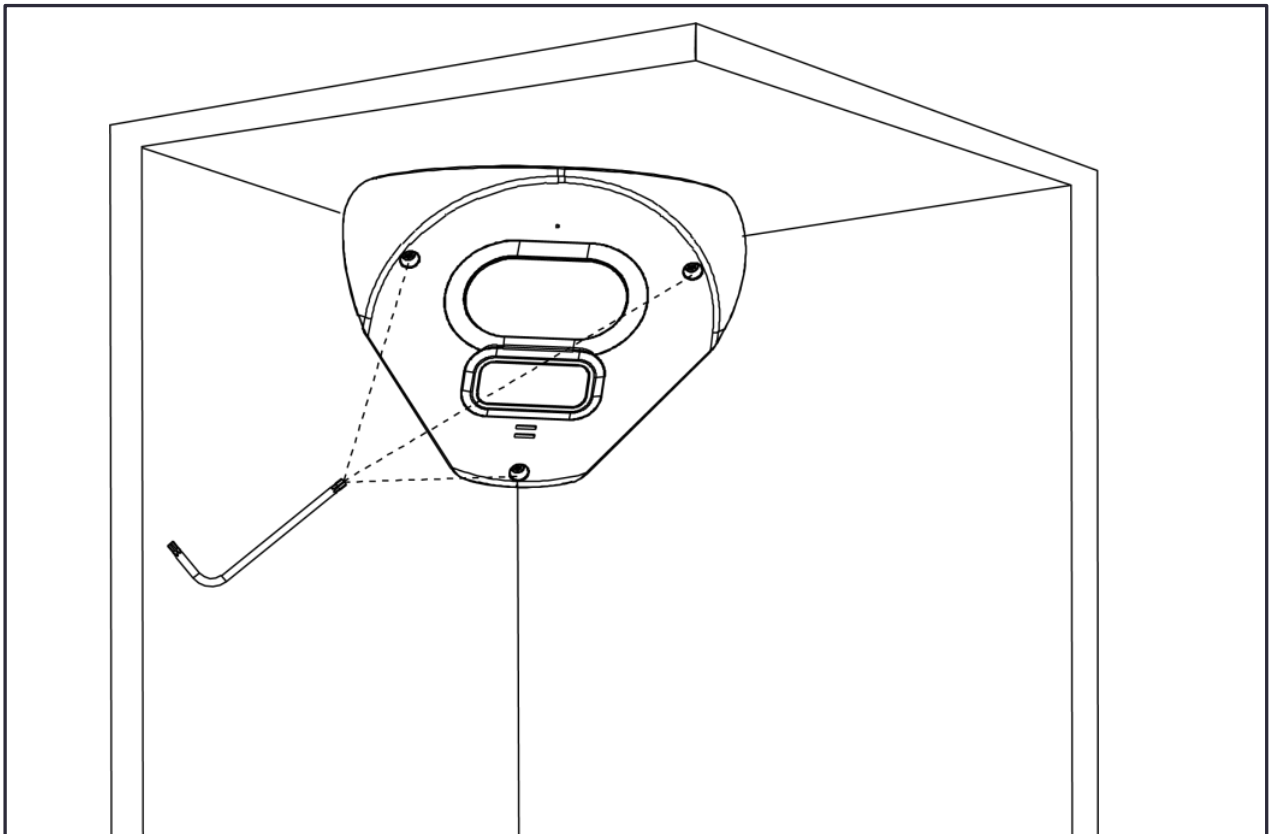


FIGURE 2-6: INSERT AND FASTEN THE TORX SCREWS

6. Insert the three rubber plugs into the three holes on the camera top cover to seal the screw holes.

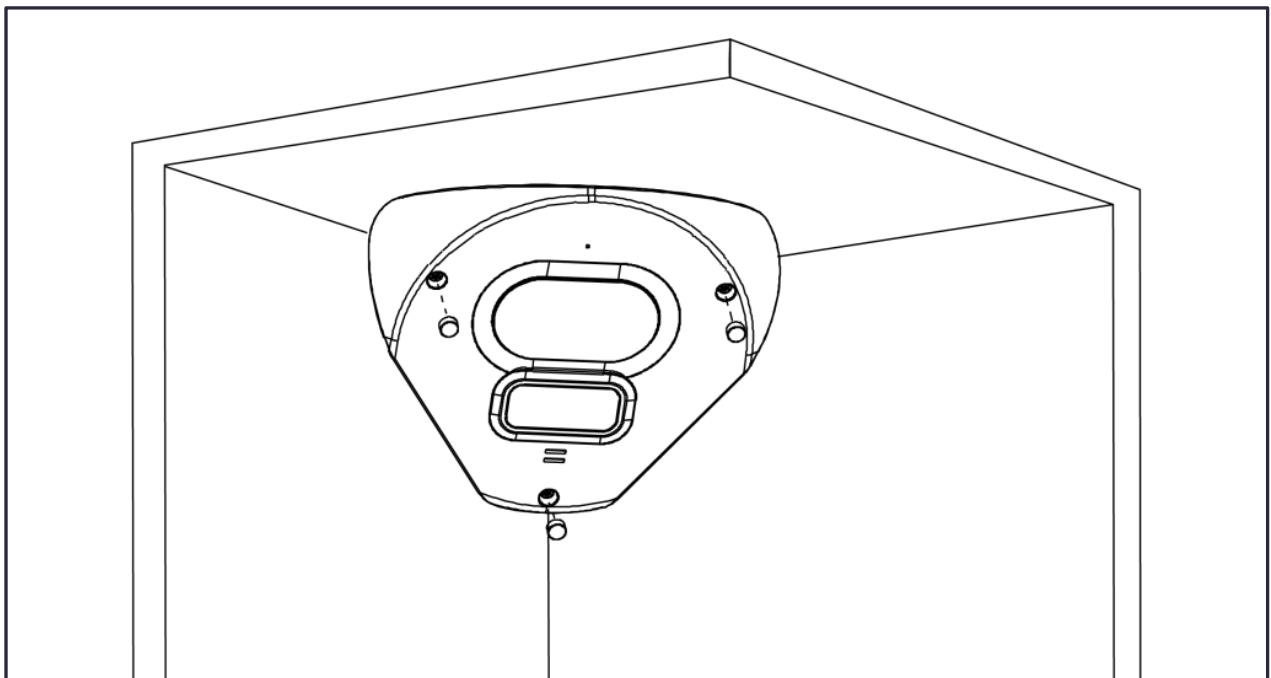


FIGURE 2-7: INSERT THE PLUGS



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: 8009-8337-20-00 Rev: 7/24
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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