

# VIVOTEK Pan/Tilt & Fixed Dome Series Outdoor Enclosure

Using

AE-131/-132 Outdoor Enclosure,  
AE-151 Outdoor Enclosure,  
AM-114 Pendant Head (outdoor),  
AM-116 and AM-117 Pendant Pipes,  
AM-221 Gooseneck,  
AM-212 Wall-mount bracket,  
AM-311 Pole Mount,  
AM-411 Corner Mount,  
AM-711 Junction Box.

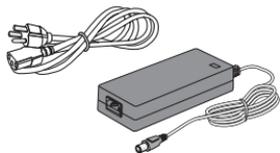
Installation Guide

Rev. 1.0

## Revision History:

Rev. 1.0: Initial release.

## AE-131 and AE-132 Outdoor Enclosure Package Contents



1. Enclosure.
2. Dome cover.
3. Power supply with cable.
4. Cross-shape bracket.
5. Copper stand-offs and screws.

## AE-151 Outdoor Enclosure Package Contents



1. Enclosure.
2. Screws.

**1 Compatible VIVOTEK Cameras**

AE-131 AE-132	<b>PZ7135, PZ7151, PZ71X1, PZ7131, PZ81X1, PZ71X2, PZ7132, PT7135, PT7137, PT8133</b> 
AE-151	<b>FD7141, FD7141V, FD8361, FD8361L</b> 

**Warning:**

1. Select a suitable location where the camera is free from accidental damage, tampering, or harsh environmental conditions.
2. Locate a place for the installation where the camera can not be intentionally or unintentionally interfered.
3. Select a solid and flat mounting surface that can support the combined weight of the camera and associated hardware. Vibration and temperature range should also be taken into consideration.

## 2 Compatible Accessories

### Compatible Accessories (1-1): AM-221 Gooseneck Bracket



### Compatible Accessories (1-2): AM-212 Wall-mount Bracket

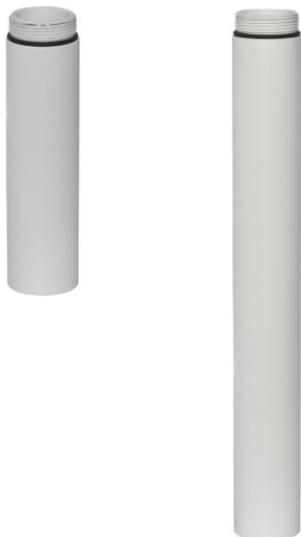


### Compatible Accessories (2): AM-311 Pole Mount Bracket



### Compatible Accessories (3): AM-411 Corner Mount Bracket

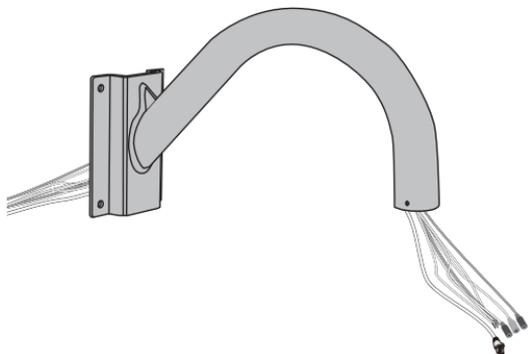


**Compatible Accessories (4): AM-711 Junction Box****Compatible Accessories (5-1): AM-114 Pendant Head****Compatible Accessories (5-2): AM-116 and AM-117 Pendant Pipe**

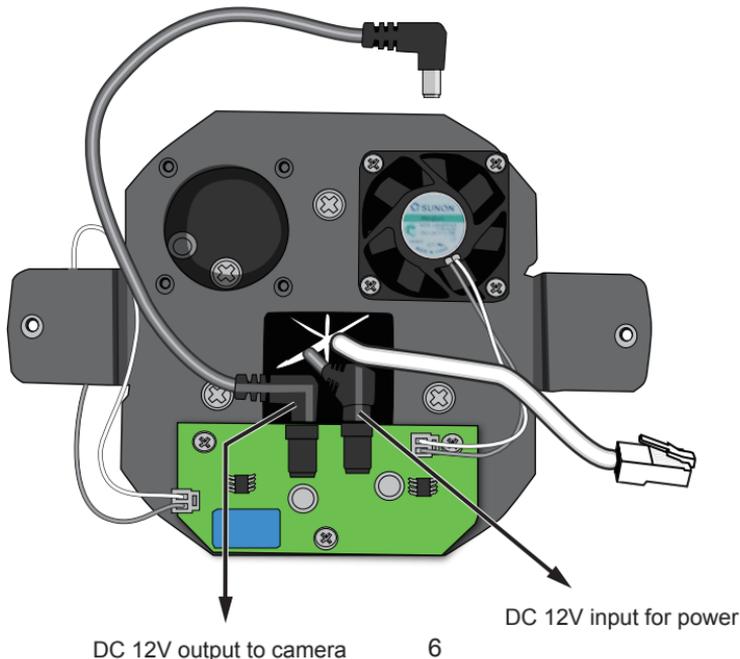
#### 3-1. Installing Camera to Enclosure - AE-131/-132

Below is a general, sample procedure using an outdoor enclosure:

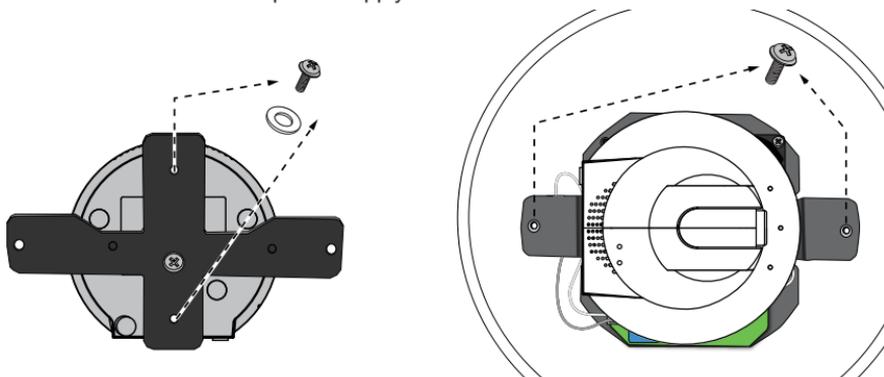
1. Feed power lines and other cables through a gooseneck bracket, a pendant head, or a pendant pipe.



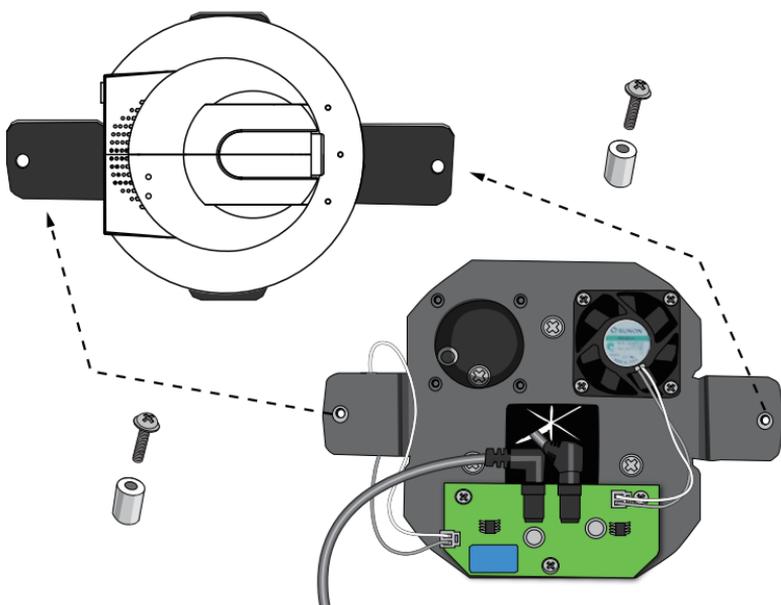
2. Insert and connect power cables and connect the DC 12V output to camera as shown below. Also route an Ethernet cable through the opening in the center.



- Secure the cross-shape bracket to your PZ camera. Use the included washers for secure installation.
- Secure the camera to the enclosure by driving screws through the cross-shape brackets and to the brackets on the power supply module.



- You may use the included stand-offs between the brackets in case you want your camera, e.g., PZ7151, in a more elevated position from the inside of the enclosure.
- Connect power and Ethernet cables.

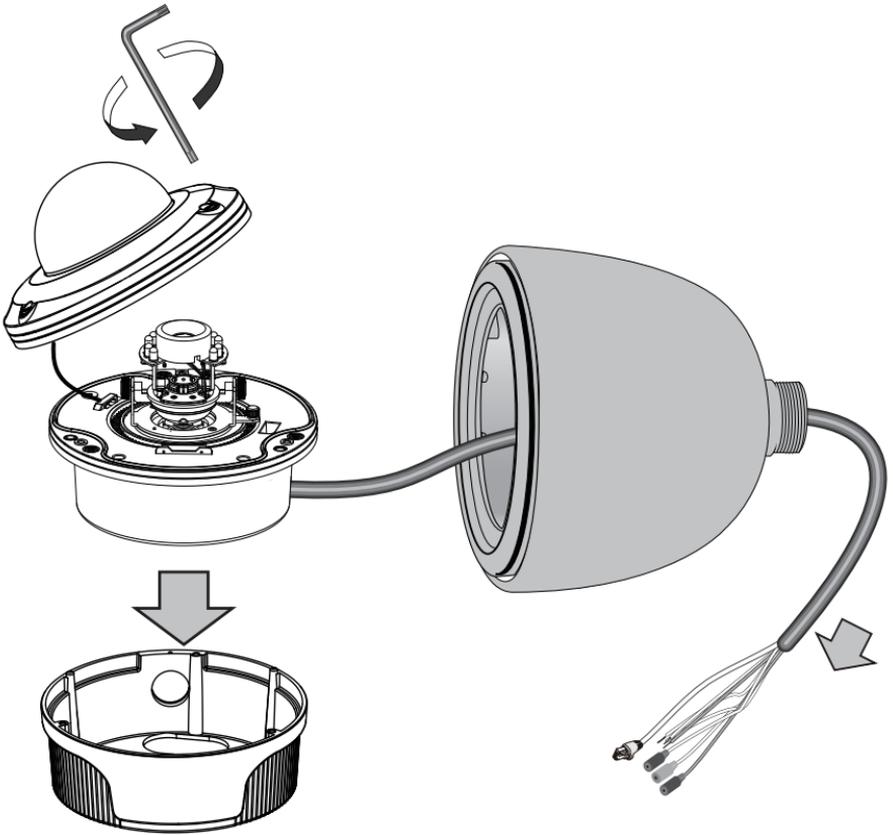


- Proceed with installing the enclosure to other mounting accessories. See the following sections for details.

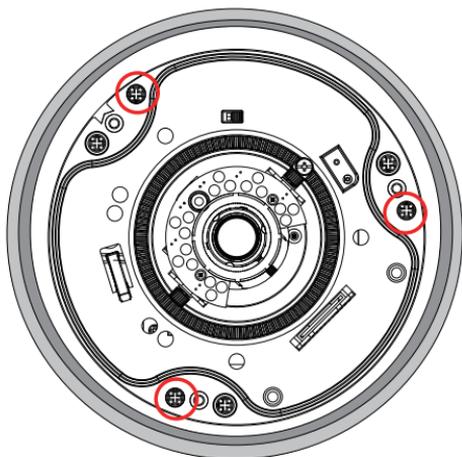
### 3-2. Installing Camera to Enclosure - AE-151

Below is a general, sample procedure using an outdoor enclosure:

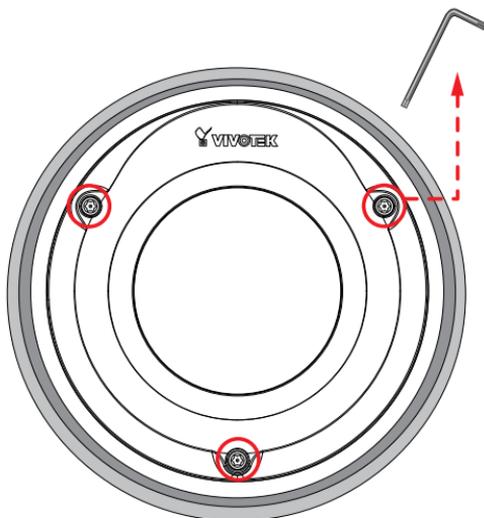
1. Loosen the anti-tamper screws using the included wrench, and then place the dome cover on the side. The bottom bracket is not used in the installation.
2. Pass cables through the enclosure.



3. Secure the camera to the enclosure by driving the 3 included pan head screws.



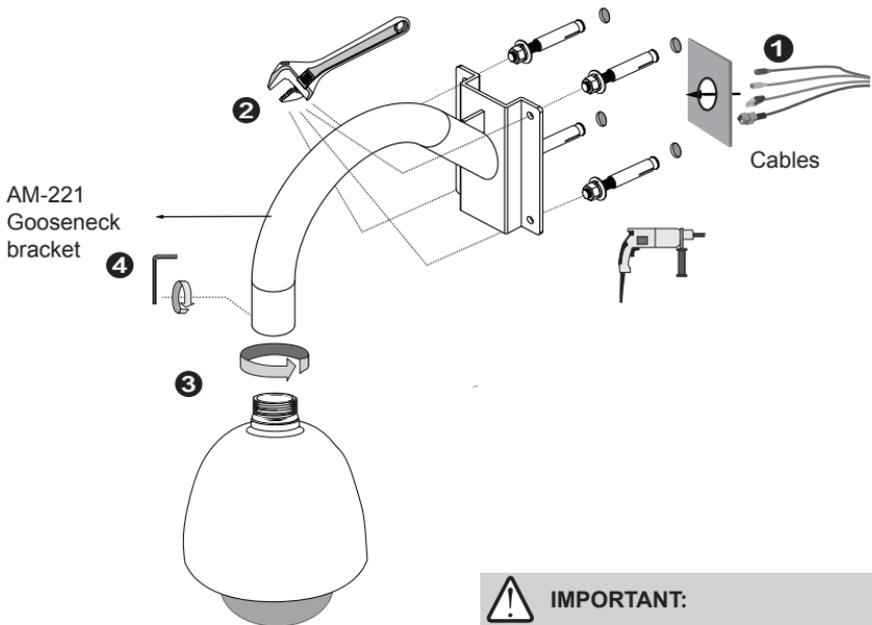
4. Secure the camera's top cover using the included wrench.



### 3-3. Gooseneck Installation

Below is a general, sample procedure using a gooseneck bracket:

1. Route power lines and other cables through the wall and the bracket.
2. Locate the position where you want to install the gooseneck bracket and camera. Drill holes on the wall for securing the bracket and for routing the cables.  
Secure the bracket by hammering anchors into the wall and then fasten hex nuts and washers on them.
3. Attach the outdoor enclosure to the bracket by rotating it clockwise until it is tightly fastened.



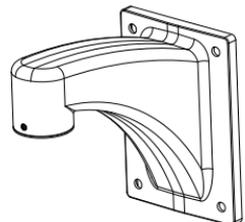
#### IMPORTANT:

The screws and mounting surface must be able to support a weight of 6 kg.

4. Use a hex wrench to secure the mounting adapter to the gooseneck bracket.

When cabling is done, proceed with initial setup such as enabling network access, focus tuning, or zooming. When done, secure the outer dome cover.

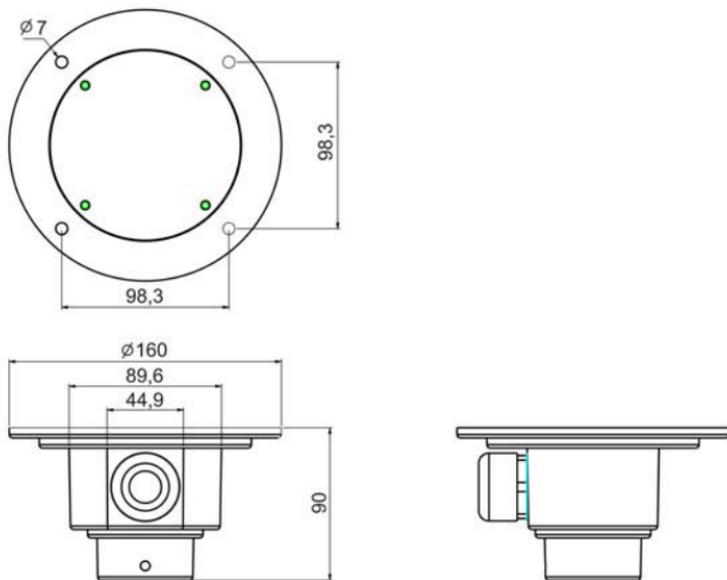
The same installation method applies to the AM-212 wall-mount bracket.



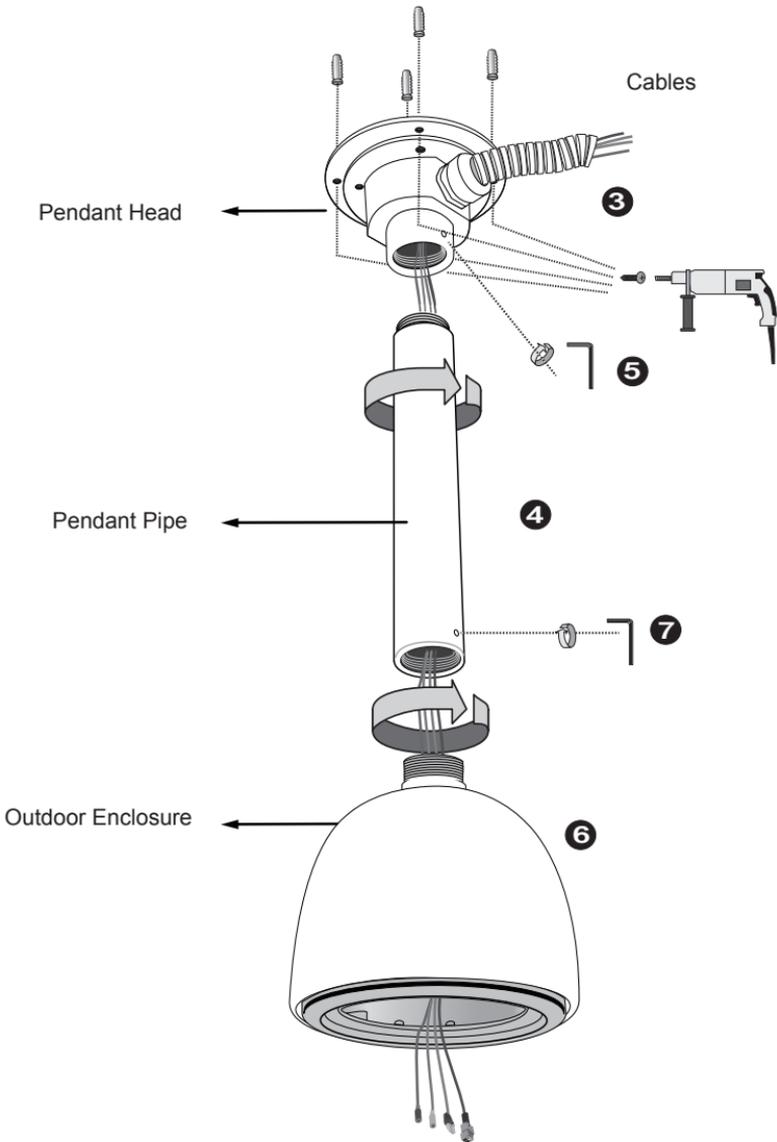
### 3-4. Pendant Mount Installation

Below is a sample procedure using a Pendant pipe:

1. Determine a hard surface ceiling location, and use the mounting holes on the pendant head itself for marking where holes will be drilled to secure the pendant head. Drill holes 10mm in diameter and 60mm deep.
2. Locate the position where you want to install the pendant pipe and camera. Drill holes on the ceiling for securing the pendant head. Secure the pendant head by hammering anchors into the ceiling and then fasten screws through it.



3. Route power lines and other cables through the side opening and a 1-inch conduit (user-supplied), and through the pendant pipe.
4. Secure pendant pipe to the pendant head by rotating it clockwise until it is tightly fastened.



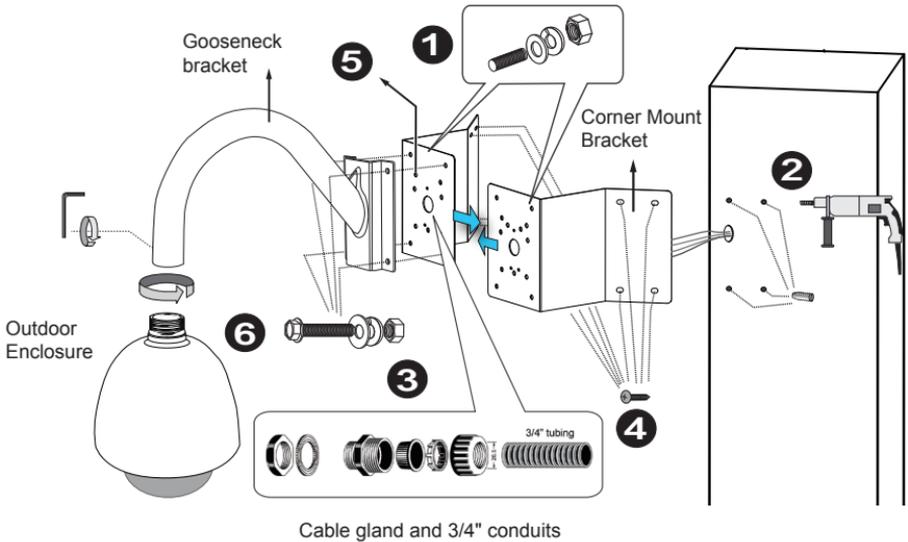
5. Secure the connection using the included hex wrench.
6. Attach the outdoor enclosure to the pendant pipe by rotating it clockwise until it is tightly fastened.
7. Secure the connection using the included hex wrench.

When cabling is done, proceed with initial setup such as enabling network access, focus tuning, or zooming. When done, secure the outer dome cover.

### 3-5. Corner Mount Installation

Below is a general, sample procedure using a Corner mount bracket:

1. Combine the two brackets together using the included nuts and washers.
2. Align the assembled brackets with the desired position. Align screw holes on the brackets against the wall. Drill holes in the wall for securing the bracket and for routing the cables. Hammer anchors into the wall. Wall anchors are user-supplied.
3. Route power lines and other cables through the included cable gland, conduits (separately purchased), and install the cable gland to the brackets' through hole in the center.



#### IMPORTANT:

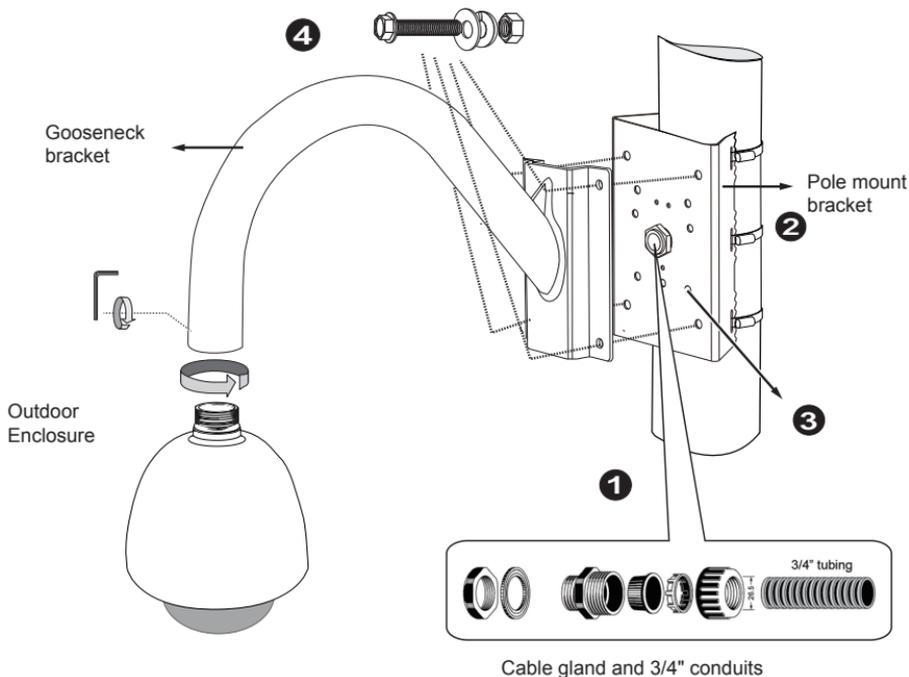
The screws and mounting surface must be able to support a weight of 6 kg.

4. Secure corner mount brackets to the wall. Screws are user-supplied.
5. Fill the unused holes on the bracket with the included silicone stoppers.
6. Use the included hex bolts, washers, and nuts to secure the gooseneck to the corner mount bracket.
7. The rest of the mounting procedure is identical to those described in the **Gooseneck installation on page 10**.

### 3-6. Pole Mount Installation

Below is a general, sample procedure using a Pole mount bracket:

1. Route power lines and other cables through the included cable gland, pass them through conduits (separately purchased), and install the cable gland to the pole mount bracket.
2. Locate the position where you want to install the pole mount bracket and camera. Unwrap the stainless belts, feed them through the openings on the sides of the bracket, and then strap them around the pole. Use a pincer and flathead screwdriver to fasten the bracket to the pole.
3. Fill the unused screw holes using the included silicone stoppers.



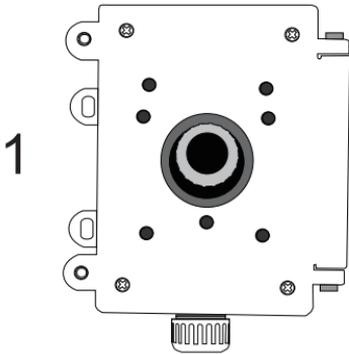
4. Secure the gooseneck bracket using the included hex bolts, washers, and nuts.

The rest of the mounting procedure is identical to those described in the **Gooseneck installation on page 10**.

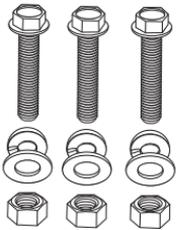
### 3-7. Junction Box Installation

Below are the package contents of the AM-711 junction box:

1. Junction box.
2. Screws for box type brackets.
3. Hex wrench.
4. Screws for speed dome type brackets or housings.



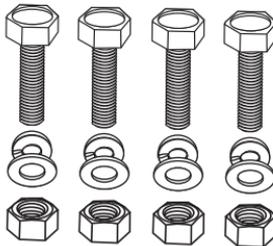
A 3/4" conduit is required for the waterproof connector in the center, and another 1-inch conduit should be fitted to the bottom connector.



2



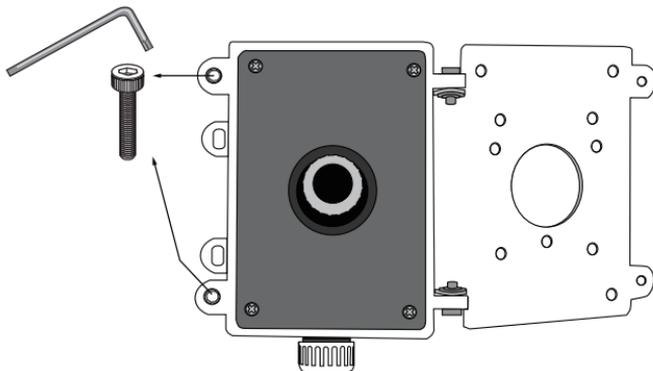
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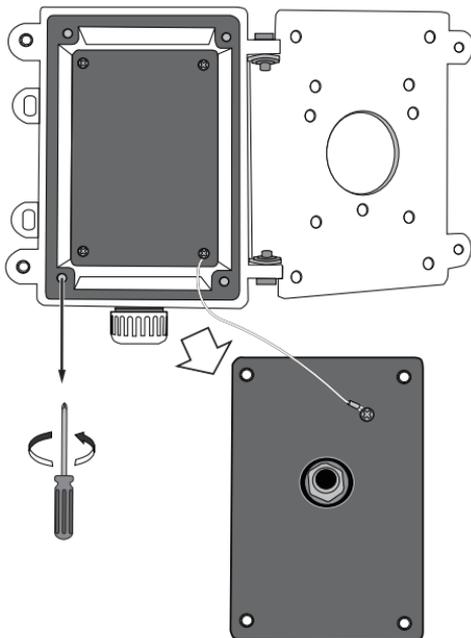
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Below is a general, sample procedure using a junction box:

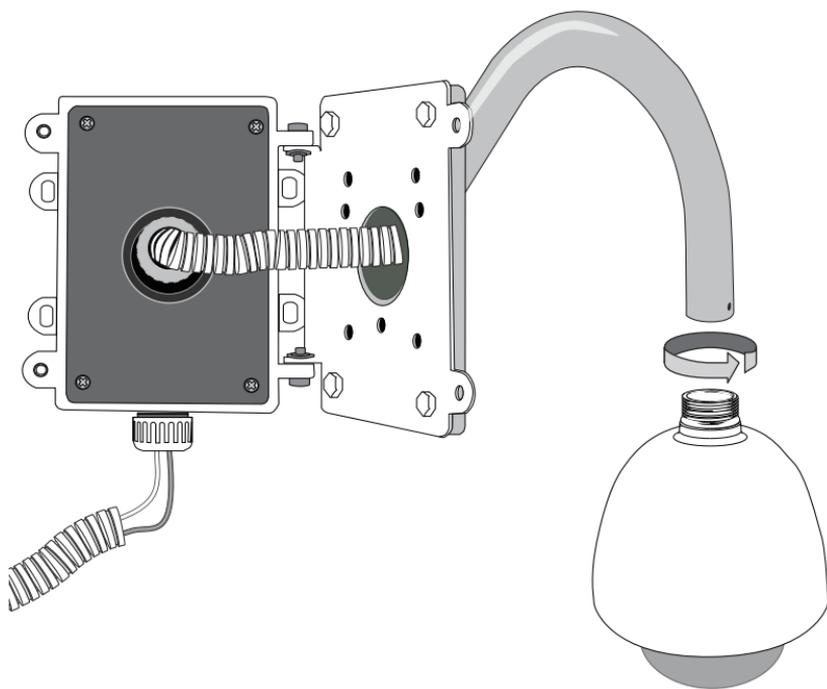
1. Use the included hex wrench to remove the socket head cap screws, and then open the front panel.



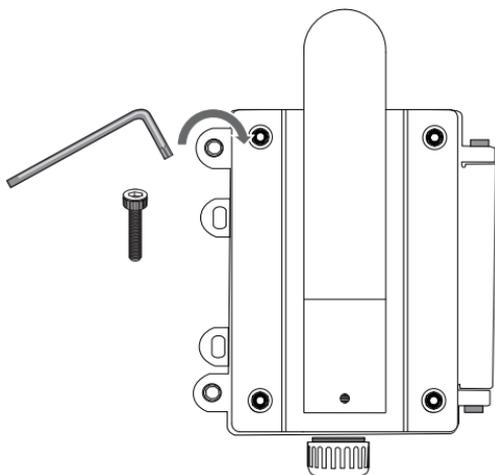
2. Use a Phillips screwdriver to loosen and remove the middle plate in the junction box. Feed cables and install accessories, such as power adaptors, through the box and the waterproof connectors on the box.



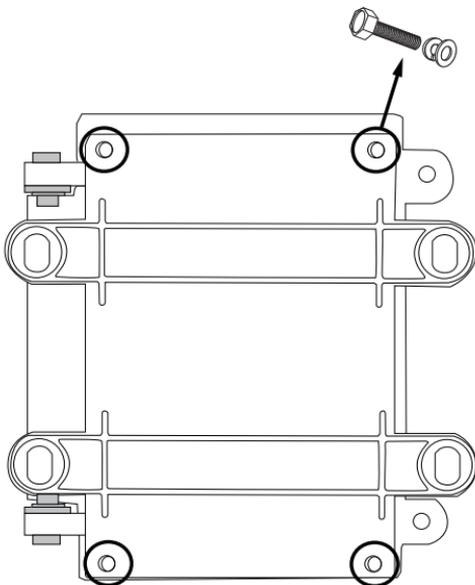
3. Use the included hex head bolts to secure a gooseneck bracket to the junction box.
4. cables should have been connected and routed through the waterproof connectors. Cable conduits should also be installed.



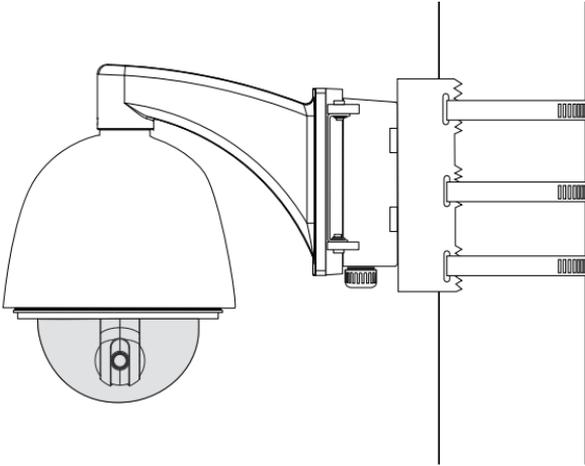
5. Use the included hex wrench to fasten the socket head screws for the front door.



6. Use the 4 mounting holes on the back of the junction box to attach a pole mount or a corner mount bracket to the box. See previous discussions for details.



7. You should then attach the junction box, along with the camera, to a pole-mount or corner-mount position. A pole-mount installation is shown below.



You may also mount the junction box to a wall. The mounting holes on the right hand side is accessible when the front door is opened, and the anchors and screws are user-supplied.

