

GV-R Series IP Camera Mount

Installation Guide

- GV-Mount108
- GV-Mount111
- GV-Mount210-2
- GV-Mount213-1
- GV-Mount215-1
- GV-Mount311
- GV-Mount460
- GV-Mount504-1
- GV-Mount505

Before attempting to connect or operate this product,
please read these instructions carefully and save this manual for future use.



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Preface

Welcome to the *GV-R Series IP Camera Mount Installation Guide*.

This Installation Guide is designed for the following models:

Model	Model Number
IR Bullet IP Camera	GV-RBL5800
	GV-RBL5802
	GV-RBL5811
IR Mini Fixed Rugged IP Dome	GV-RDR5800
IR Eyeball IP Dome	GV-REB5800
	GV-REB5801
IR Fisheye IP Camera	GV-RFER12700
Multi-Sensor IR IP Dome	GV-RMS32810

1. Pendant Mounting with GV-Mount108



Packing List

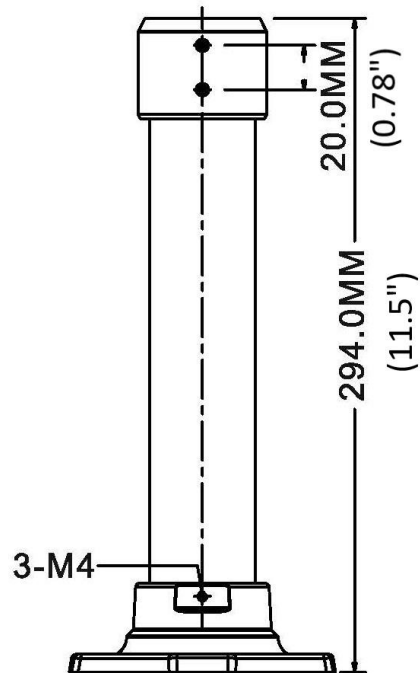
1. GV-Mount108	2. Expansion bolt x 4
3. Allen wrench x 1	

Applicable Models

- GV-RFER12700

Note: GV-Mount108 must be used with GV-Mount504-1.

Dimensions



GV-Mount108 + GV-Mount504-1 Installation

See 8.1 *GV-Mount108 + GV-Mount504-1 Installation* below for details.

2. Pendant Mounting with GV-Mount111



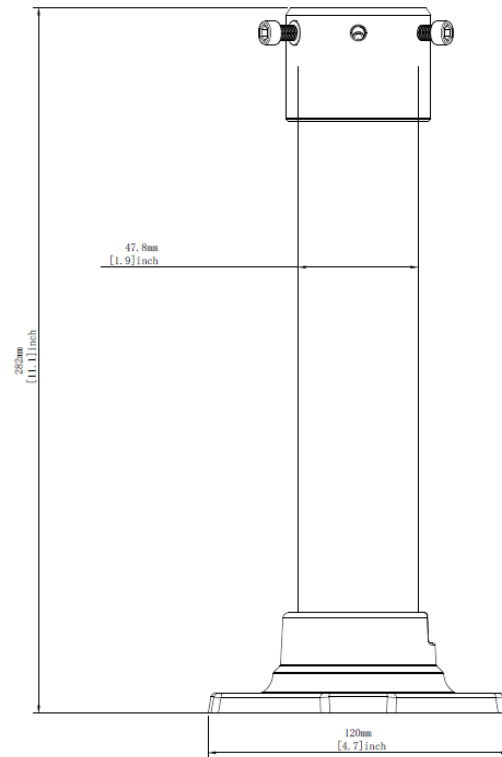
Packing List

1. GV-Mount111	2. Expansion bolt x 4
3. Hexagon screws x 3	4. Hexagon socket head cap screw x 2
5. Hexagon wrench	

Applicable Models:

- GV-RMS32810

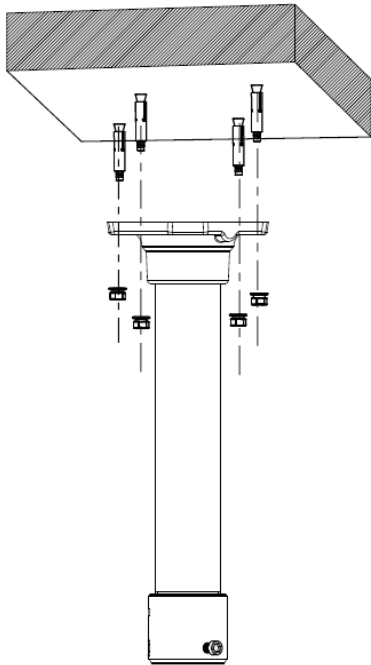
Dimensions



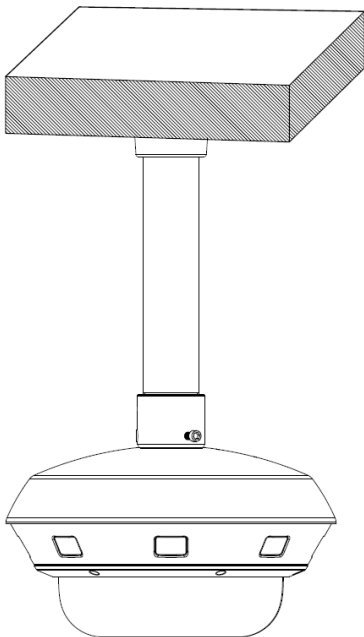
GV-Mount111 Installation

1. Install the camera and the adapter base.

2. Drill four screw holes on the wall where installation is needed, and hammer in four expansion screws into the holes. Then thread the main cable connector out from the center of the mounting bracket, align the mounting bracket base with the four screw holes on the wall, and tighten the screws.



3. After connecting the main cable connector with the camera tail cable, place them into the base, then insert the bottom cover connector of the wire hiding box into the bracket interface and lock it with the side screw.



4. If adjustment of each lens angle is needed, loosen the screws on the camera transparent cover, remove the cover, adjust as needed, then align the cover with the screw holes and tighten the screws.
5. Lock the transparent cover of the dome camera onto the camera base.

GV-Mount111 Installation Requirements

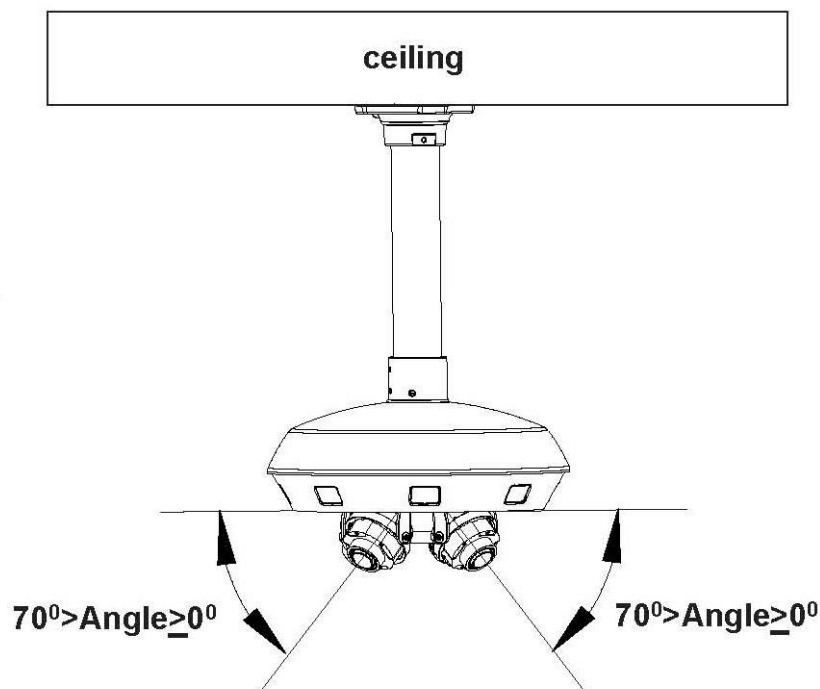
When the dome camera RMS32810 is installed to the ceiling using Mount111, in order to avoid reflections, which may occur when Image Control is set to Full Color Mode, or when it is set to Day/Night Mode and it is at night, ensure that the following requirements are met:

(A) If the camera is installed in the center of the room (as opposed to being close to the wall):

- **The tilt angle of all 4 camera lenses must be less than 70 degrees.**

(Note: 0 degrees is when the lens is facing outwards and parallel to the ceiling.)

This is to avoid direct reflections from nearby light sources.



(B) If the camera is installed close to the wall (as opposed to being in the center of the room):

1. To avoid reflected glare by IR LED:

- (a) **The space between the camera body and the wall has to be equal to or wider than 1 meter.**
- (b) **The lenses cannot face the wall.**

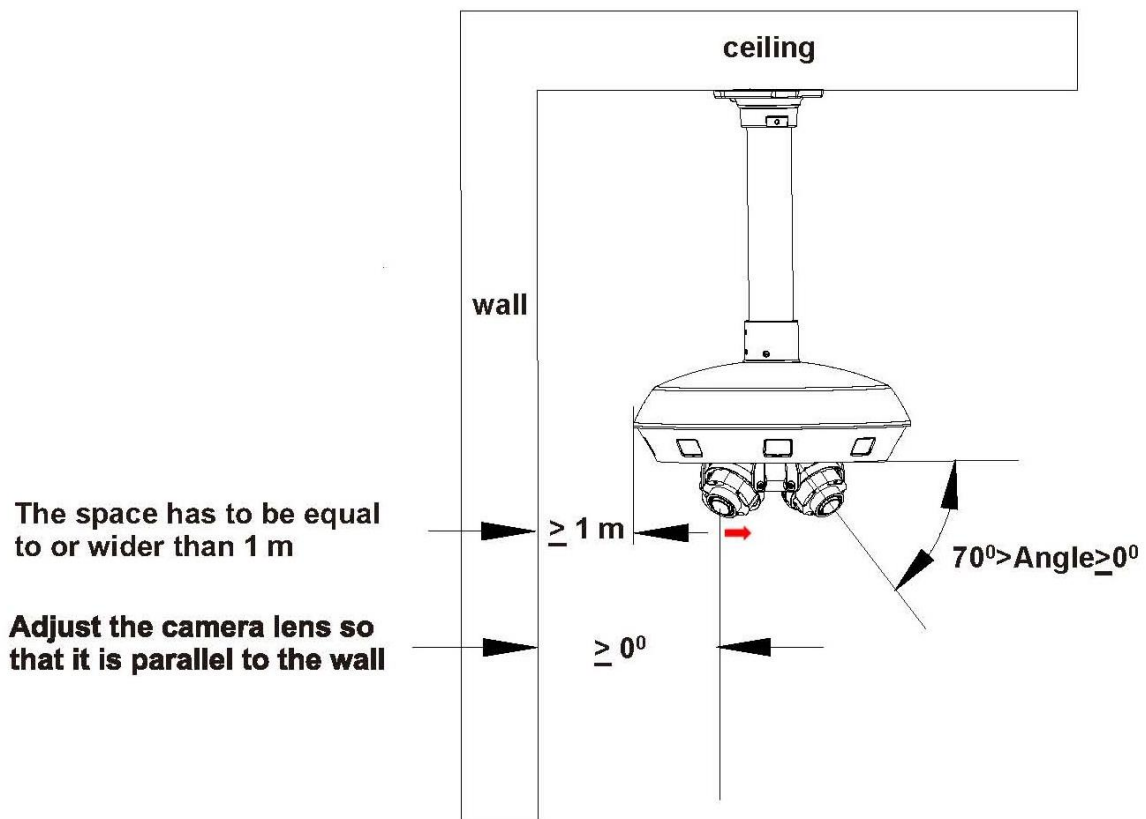
It is recommended that the pan angle of the 2 camera lenses that are closer to the wall be adjusted outwards so that the lenses are farther away from the wall, as shown as the red arrow in the figure below.

Users can also adjust the tilt angle of these 2 camera lenses until the lenses are facing downwards (parallel to the wall); however, note that with this method, there may be direct reflections from nearby light sources.

2. To avoid direct reflections from nearby light sources:

- **The tilt angle of all 4 camera lenses must be less than 70 degrees.**

(Note: 0 degrees is when the lens is facing outwards and parallel to the ceiling.)



3. Wall Pendant Mounting with GV-Mount210-2



Packing List

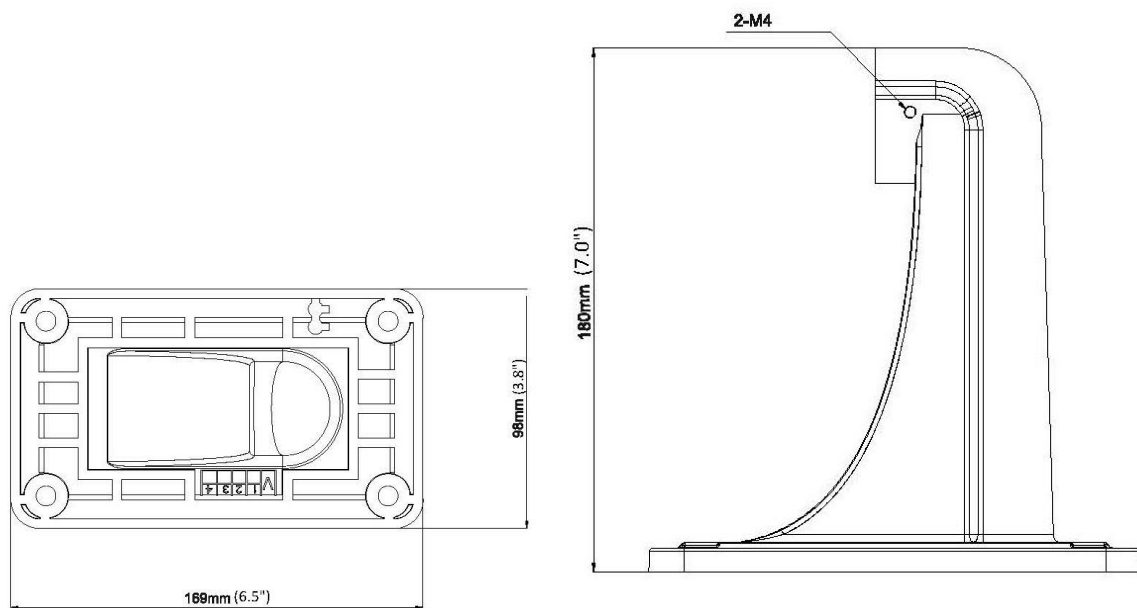
1. GV-Mount210-2	2. Expansion bolt x 4
3. Short screw (10 mm) x 1	4. Long screw (35 mm) x 4
5. Colloidal particle x 4	

Applicable Models

- GV-RFER12700

Note: GV-Mount210-2 must be used with GV-Mount504-1.

Dimensions



GV-Mount210-2 + GV-Mount504-1 Installation

See 8.2 *GV-Mount210-2 + GV-Mount504-1 Installation* below for details.

4. Wall Box Mounting with GV-Mount213-1



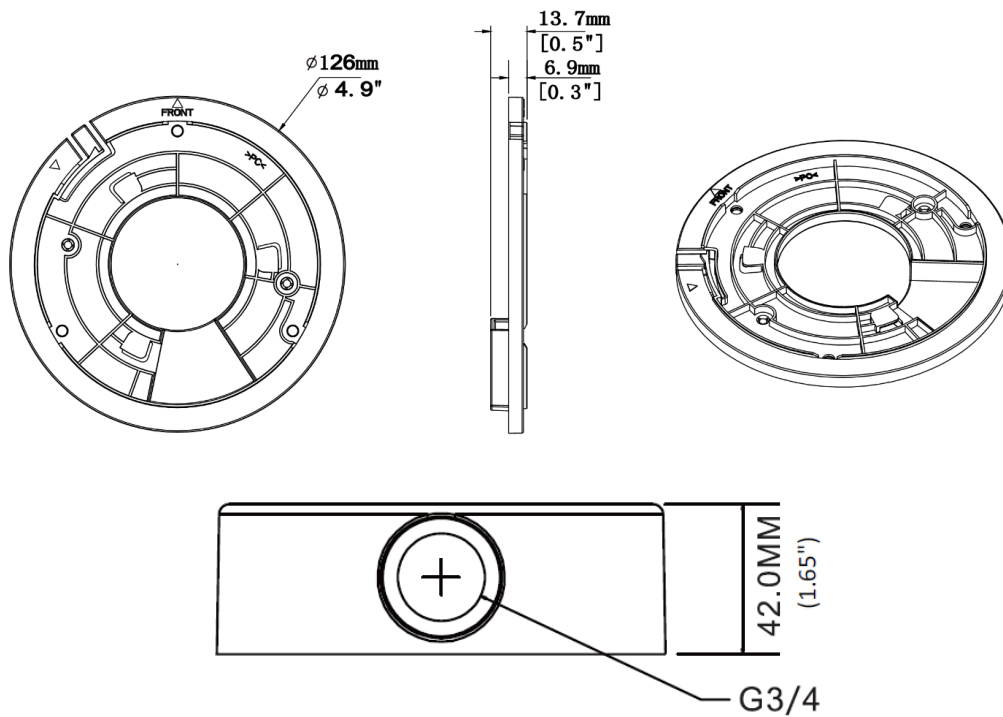
Packing List

1. GV-Mount213-1	2. Base x 1
3. Allen wrench x 1	4. Socket screw (14 mm) x 3
5. Colloidal particle x 4	6. Long screw (35 mm) x 4
7. Screw waterproofing ring x 4	8. Waterproof joint rubber ring x 1
9. Waterproof connector x 1	10. Drill Template Paster

Applicable Models:

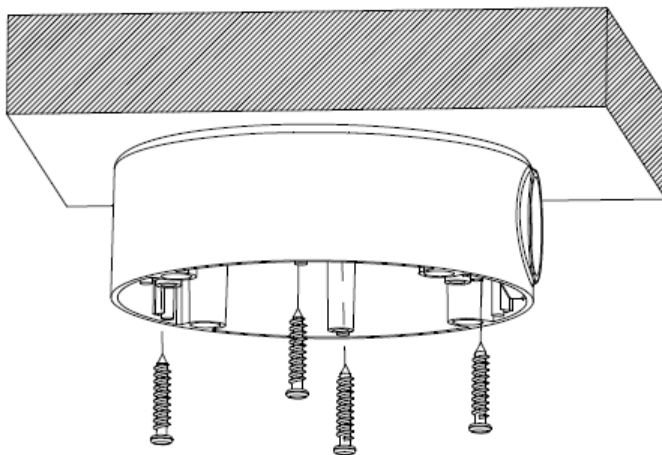
- GV-RFER12700

Dimensions

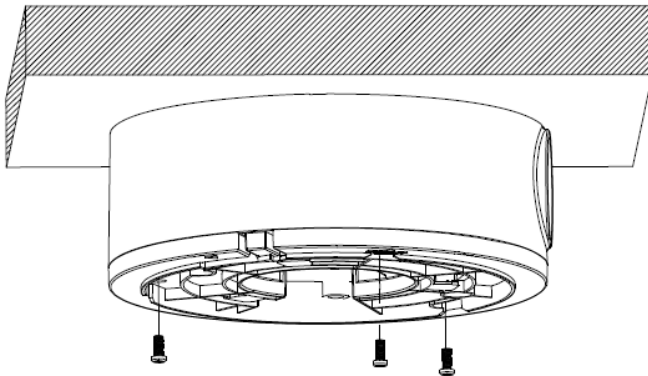


GV-Mount213-1 Installation

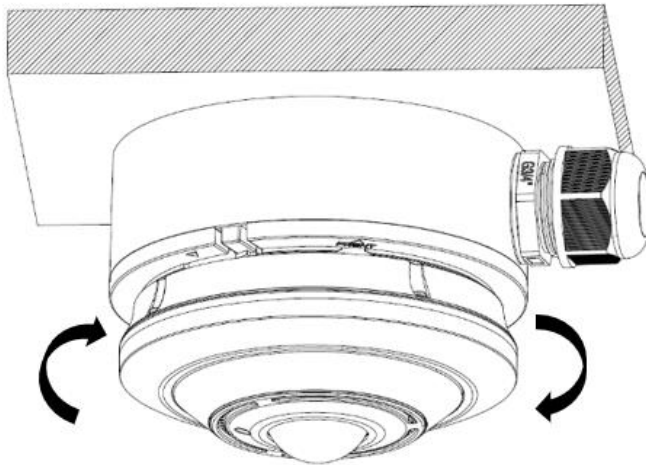
1. Place the template paster on the wall surface where installation is needed. Drill four self-tapping screw holes, and hammer four colloidal particles into the drilled wall holes. Align the four screw holes of GV-Mount213-1 base with the wall screw holes and tighten them with self-tapping screws.



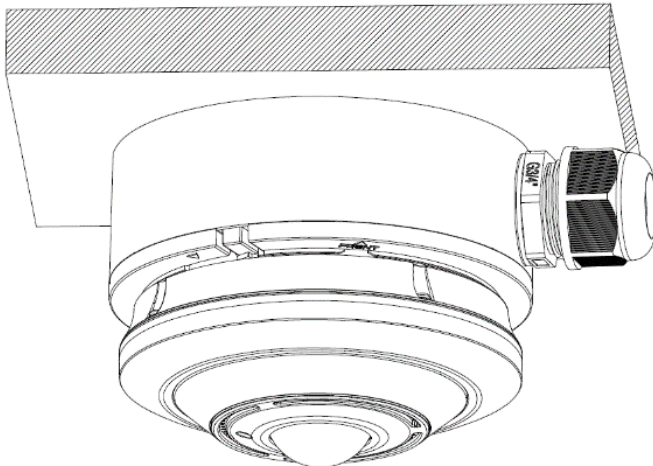
2. Align the adapter board of the fisheye camera with the screw holes on the bottom cover of GV-Mount213-2, and tighten three screws.



3. Thread the network cable through the waterproof connector and pull it out from the central hole of the adapter board. Connect the tail cable of the fisheye camera and the network cable, place them in GV-Mount213-1, and align the fisheye camera with the buckle on the adapter board. Rotate it clockwise until the buckle is completely in place.



4. After installation, tighten the waterproof connector, and the installation is complete.



5. Wall Bracket Mounting with GV-Mount215-1



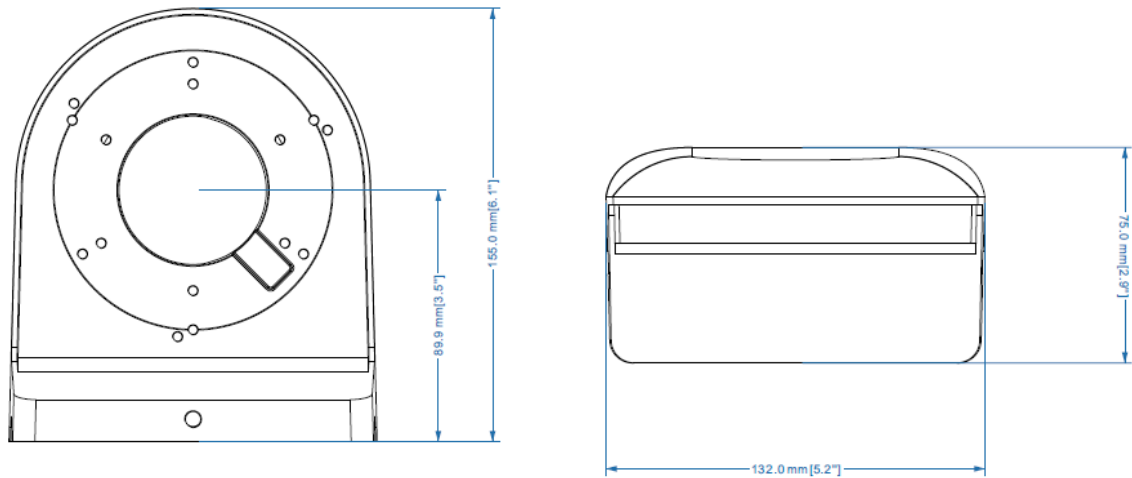
Packing List

1. GV-Mount215-1	2. Short screw (10 mm) x 3
3. Allen wrench x 1	4. Long screw (25 mm) x 4
5. Colloidal particle x 4	6. Drill Template Paster

Applicable Models:

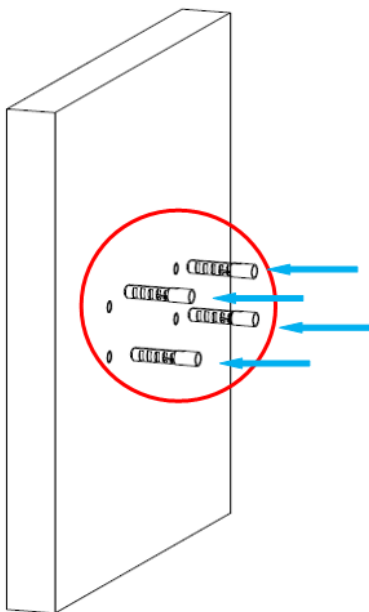
- GV-RDR5800
- GV-REB5800
- GV-REB5801

Dimensions

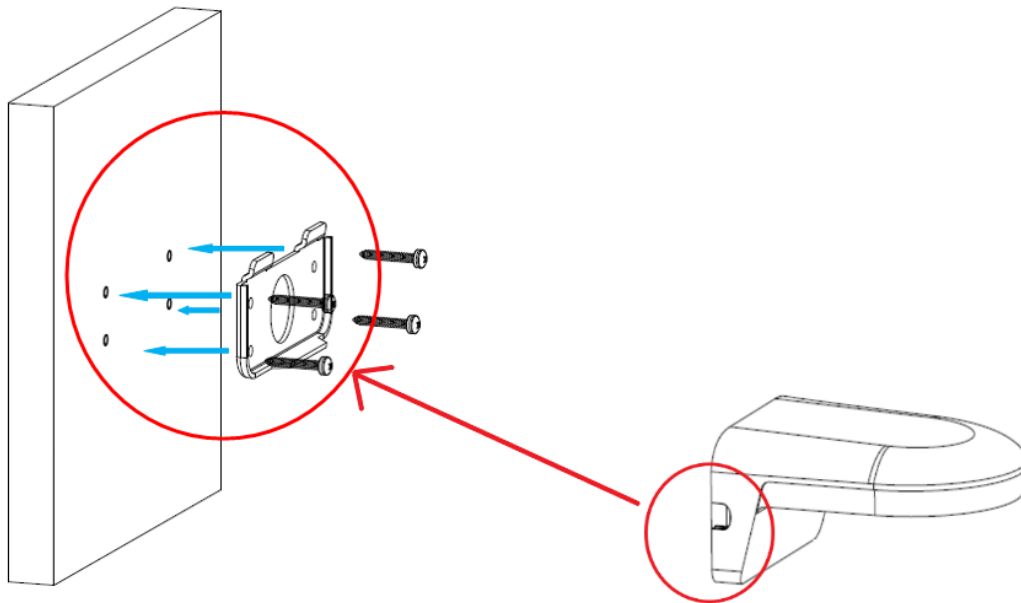


GV-Mount215-1 Installation

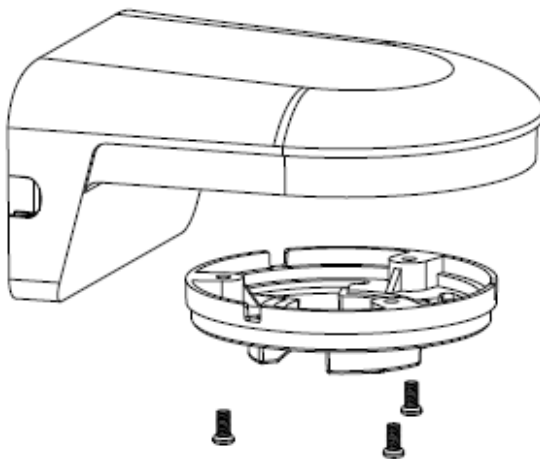
1. Drill holes according to the drill template paster on the wall and insert the colloidal particles.



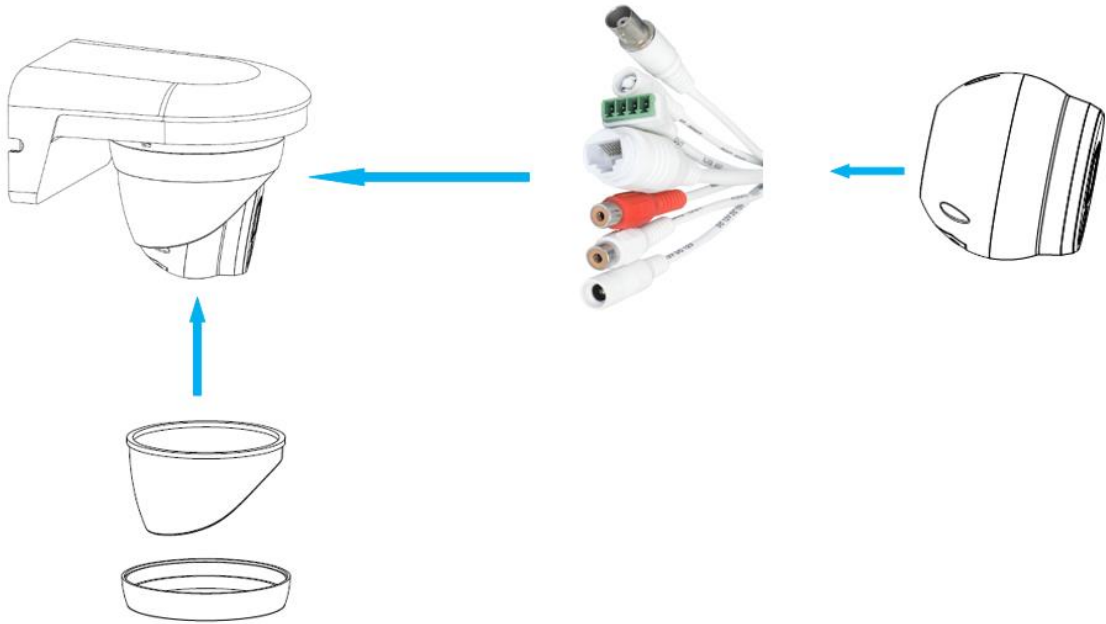
2. Secure the bottom plate of GV-Mount215-1 on the wall using the supplied screws.



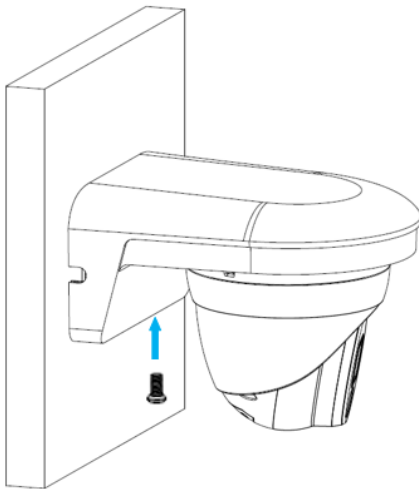
3. Fix the camera's collar onto GV-Mount215-1 with supplied screws.



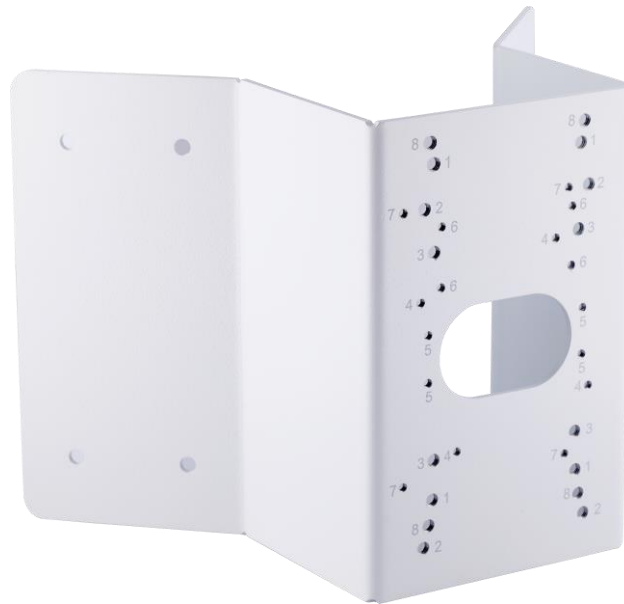
4. Thread the camera's cables inside GV-Mount215-1 and mount the whole camera onto GV-Mount215-1.



5. Connect the cables from the side hole of GV-Mount215 and tighten the bottom screw to complete the installation.



6. Corner Mounting with GV-Mount311



Packing List

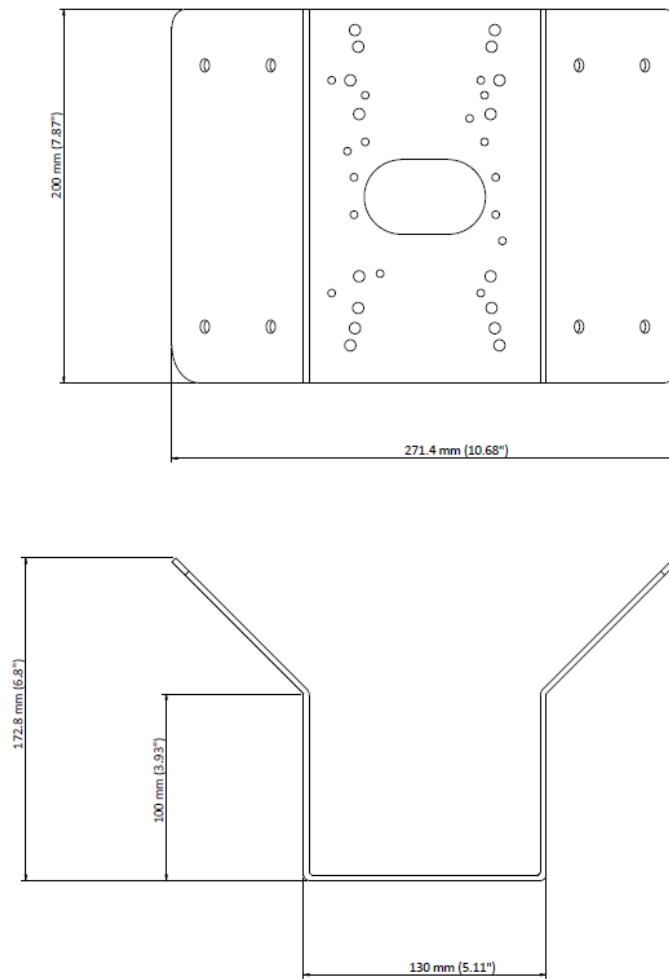
1. GV-Mount311	2. Colloidal particle x 8
3. Long screw (35 mm) x 8	4. Socket screw (M6 x 16 mm) x 4
5. Spring washer (M6) x 4	6. Conical spring washer (M6) x 4
7. Socket screw (M4 x 16 mm) x 4	8. Spring washer (M4) x 4
9. Conical spring washer (M6) x 4	

Applicable Models:

- GV-RFER12700
- GV-RMS32810

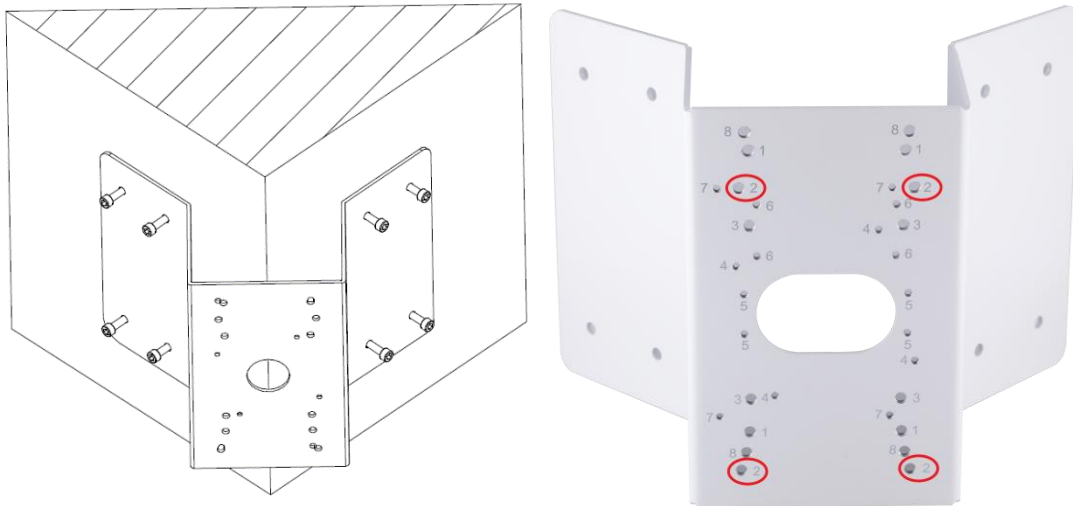
Note: For **GV-RFER12700**, GV-Mount311 must be used with GV-Mount213-1.

Dimensions

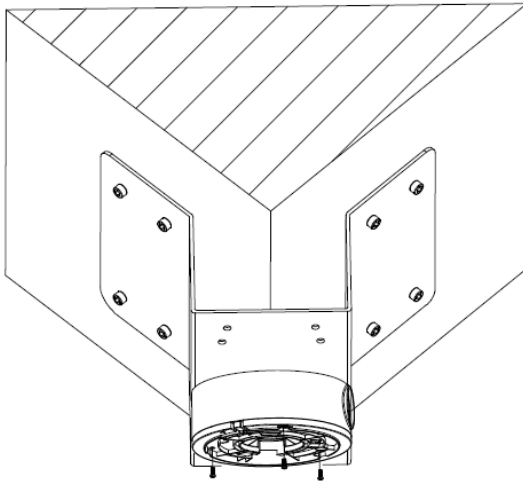


6.1 GV-Mount311 Installation for GV-RFER12700

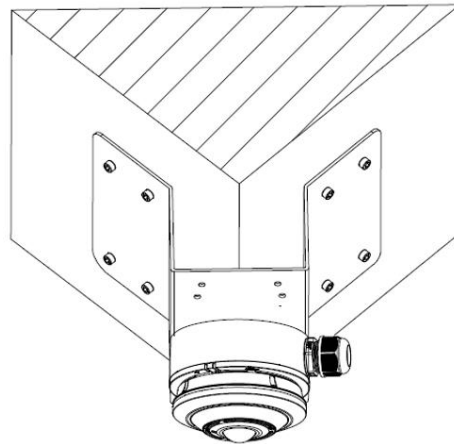
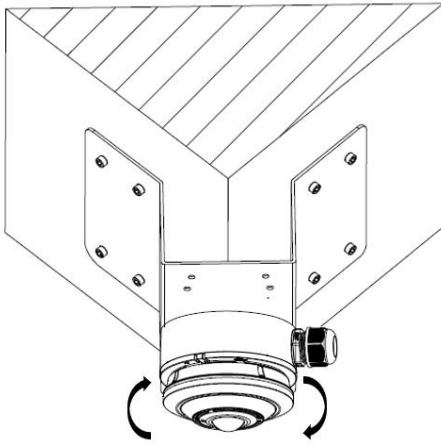
1. Refer to the installation method mentioned above, drill four holes on each side of the wall at the wall corners, hammer four colloidal particles into the drilled wall holes, and then align the GV-Mount311 (port #2 as indicated below) with the wall screw holes and tighten it with self-tapping screws.



2. Align the screw holes of GV-Mount213-1 base with the bracket screw holes, tighten the screws, and then install the adapter board onto GV-Mount213-1.

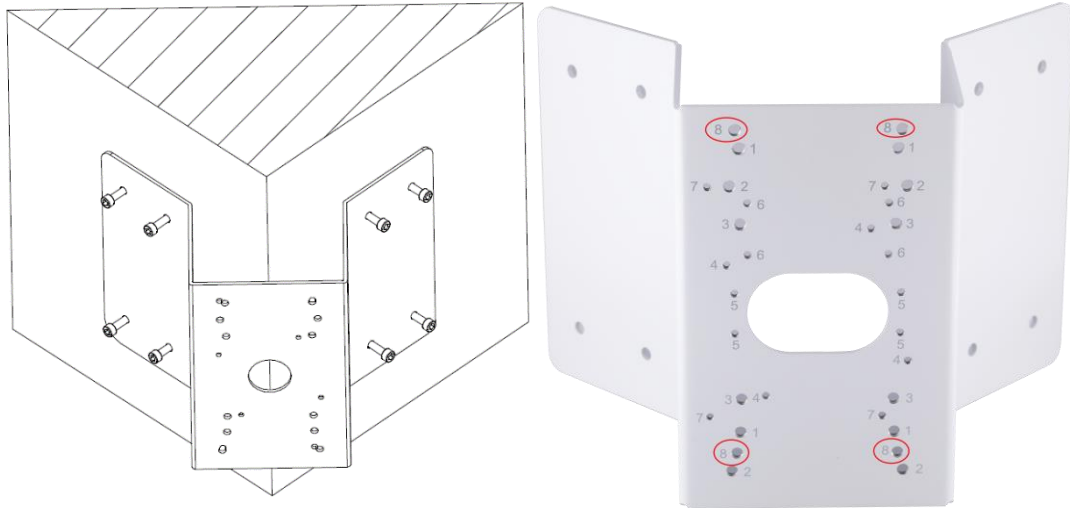


3. See Step 3 ~ 4 in *4 Wall Box Mounting with GV-Mount213-1* for the subsequent installation steps.

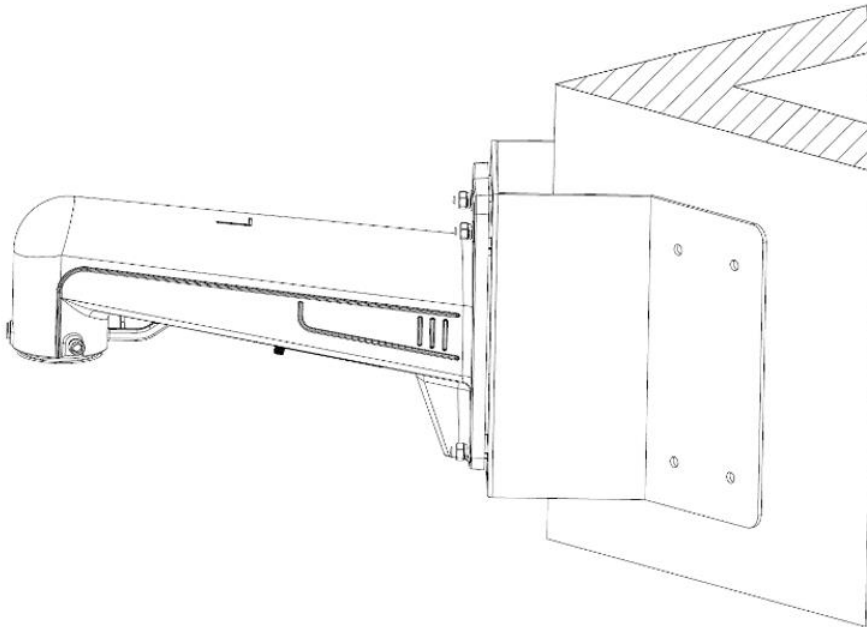


6.2 GV-Mount311 Installation for GV-RMS32810

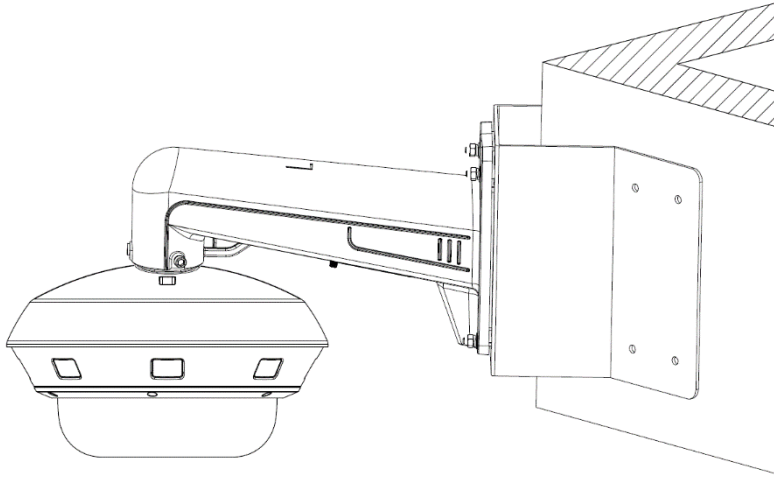
1. Use 8 plastic anchors and self-tapping screws to install the bracket onto the corresponding wall corner.



2. Thread the main cable connector out from the center of the wall corner bracket and wall-mounted bracket, align the base of the wall-mounted bracket with the four screw holes of the wall corner bracket, and tighten the screws.



3. After connecting the main cable connector with the camera tail cable, place them into the base, then insert the camera bottom cover connector into the interface of the wall-mounted bracket and lock it with the side screw.



4. If adjustment of each lens angle is needed, loosen the screws on the camera transparent cover, remove the cover, adjust as needed, then align the cover with the screw holes and tighten the screws.
5. Lock the transparent cover of the dome camera onto the camera base.

7. Pole Mounting with GV-Mount460



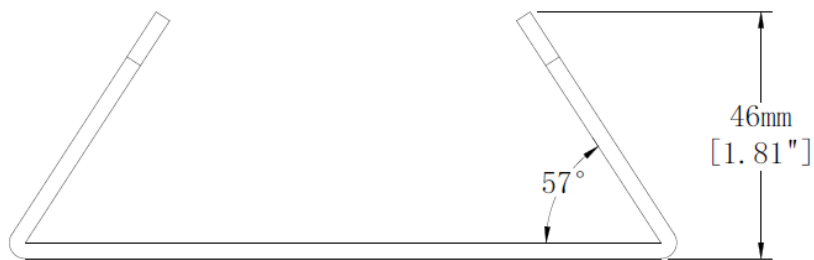
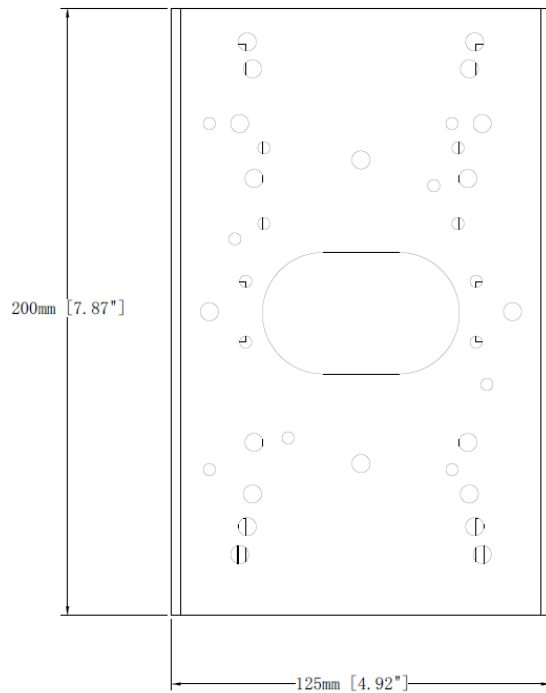
Packing List

1. GV-Mount460	2. Stainless steel clamp x 2
3. M6 socket screw (16 mm) x 4	4. M4 socket screw (16 mm) x 4
5. M6 spring washer x 4	6. M6 conical spring washer x 4
7. M4 spring washer x 4	8. M4 conical spring washer x 4

Applicable Models:

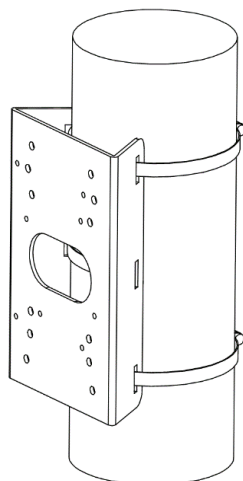
- GV-RMS32810

Dimensions

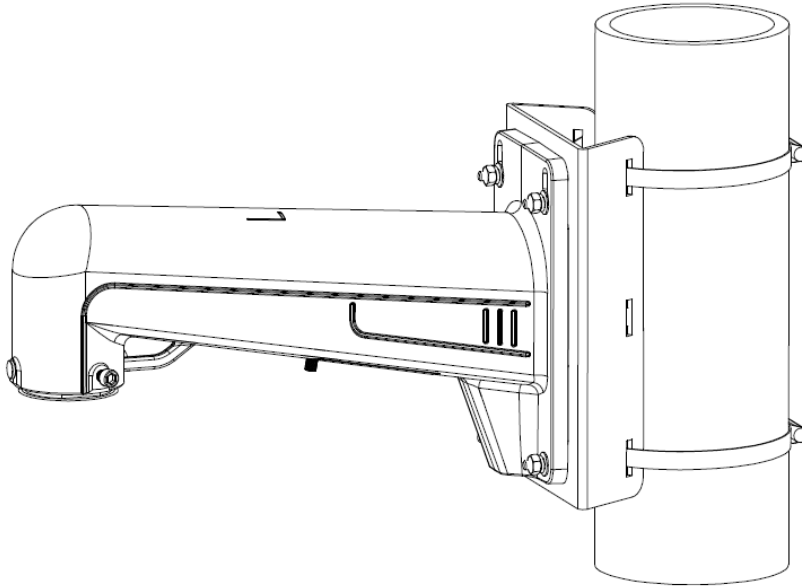


GV-Mount460 Installation

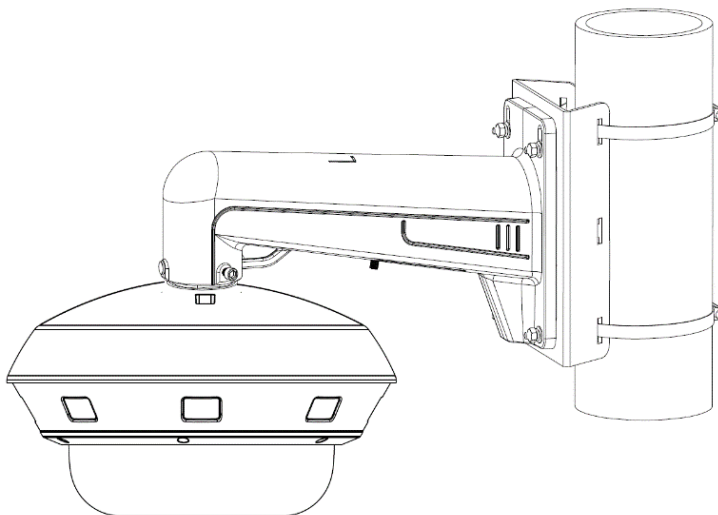
1. Use two clamps to install the pole mount bracket onto the corresponding pole.



2. Thread the main cable connector out from the center of the pole-mounted bracket and wall mount bracket, align the base of the wall mount bracket with the four screw holes of the pole-mounted bracket, and tighten the screws.



3. After connecting the main cable connector with the camera tail cable, place them into the base, then insert the camera bottom cover connector into the interface of the wall mount bracket and lock it with the side screw.



4. If adjustment of each lens angle is needed, loosen the screws on the camera transparent cover, remove the cover, adjust as needed, then align the cover with the screw holes and tighten the screws.
5. Lock the transparent cover of the dome camera onto the camera base.

8. Wall Bracket Mounting with GV-Mount504-1



Packing List

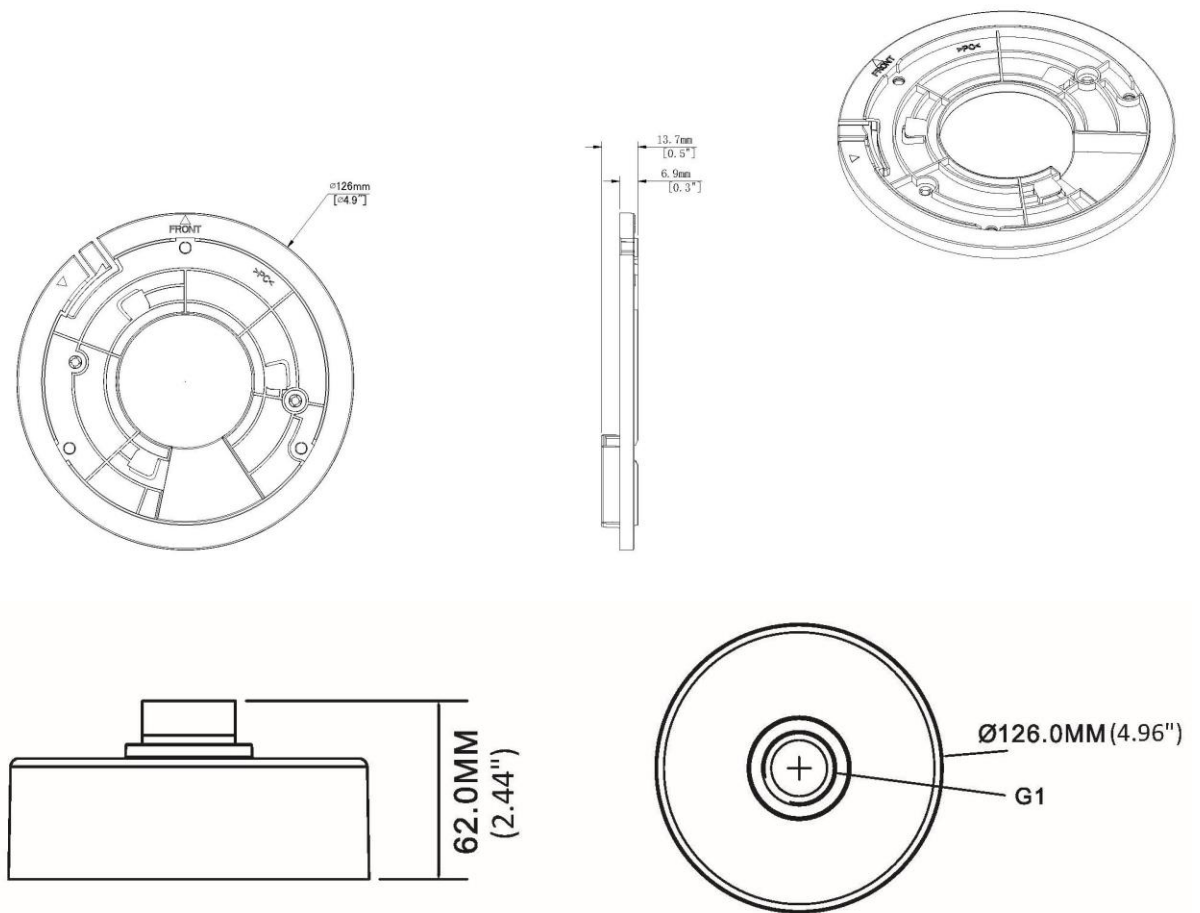
1. GV-Mount504-1	2. Base x 1
3. Allen wrench x 1	4. Socket screw (14 mm) x 3

Applicable Models:

- GV-RFER12700

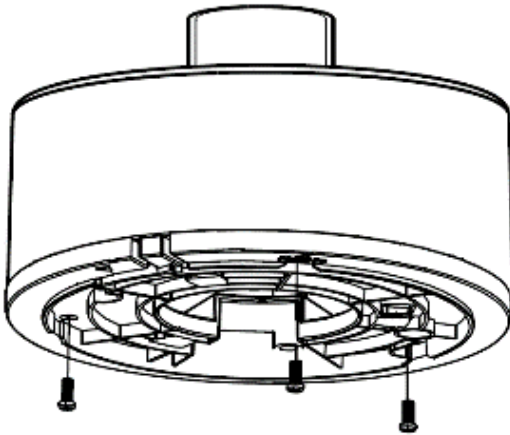
Note: GV-Mount504-1 must be used with GV-Mount108 or GV-Mount210-2.

Dimensions



8.1 GV-Mount108 + GV-Mount504-1 Installation

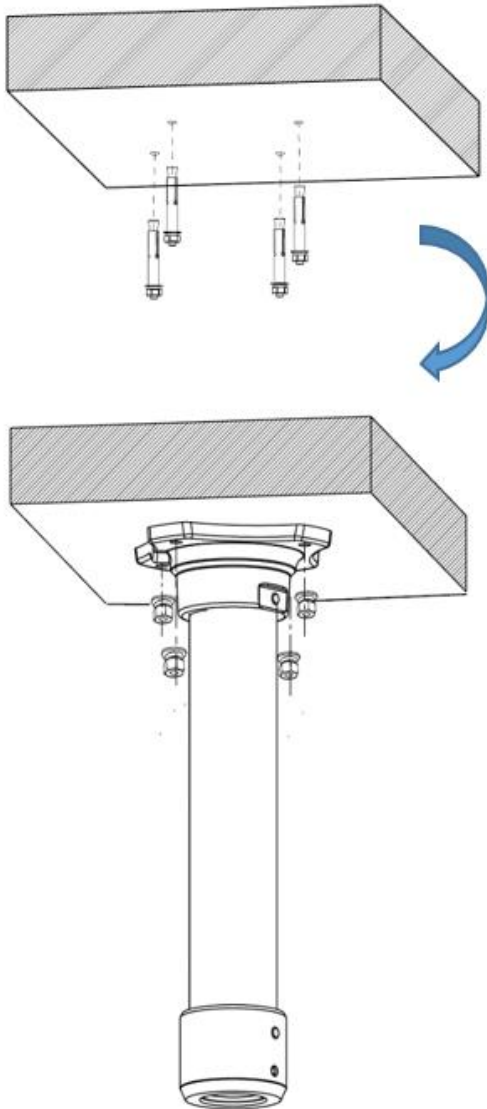
1. Install the fisheye camera adapter board onto the concealed wiring box.



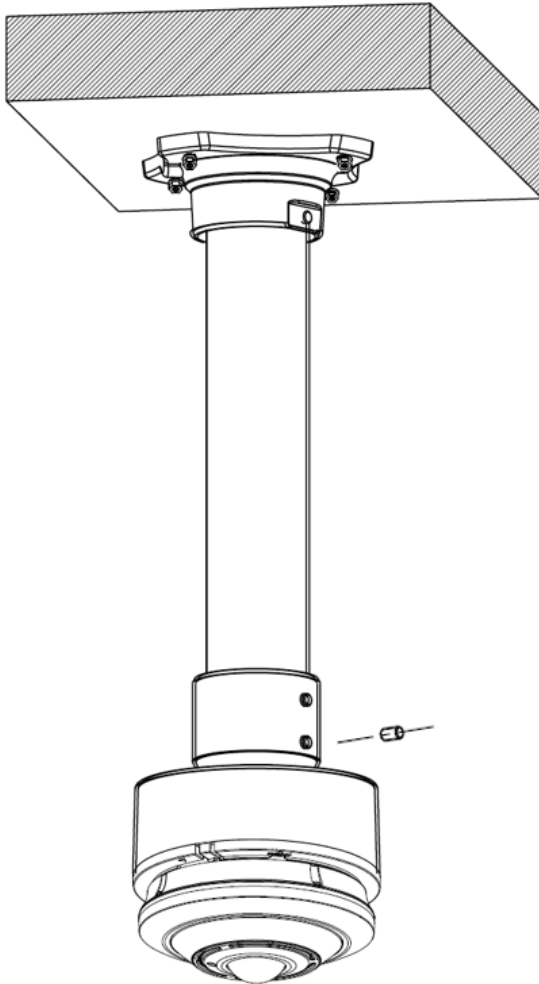
2. Thread the tail cable of the fisheye camera through the central hole of GV-Mount504-1 base. Rotate the camera clockwise to ensure that the latch on the bottom of the camera and the latch on the adapter board are fully engaged.



3. Drill four screw holes on the wall where installation is needed. Hammer four expansion screws into the drilled wall holes. Then, thread the main cable connector out from the center of the suspension rod. Align the suspension rod base with the four wall screw holes and tighten with screws.

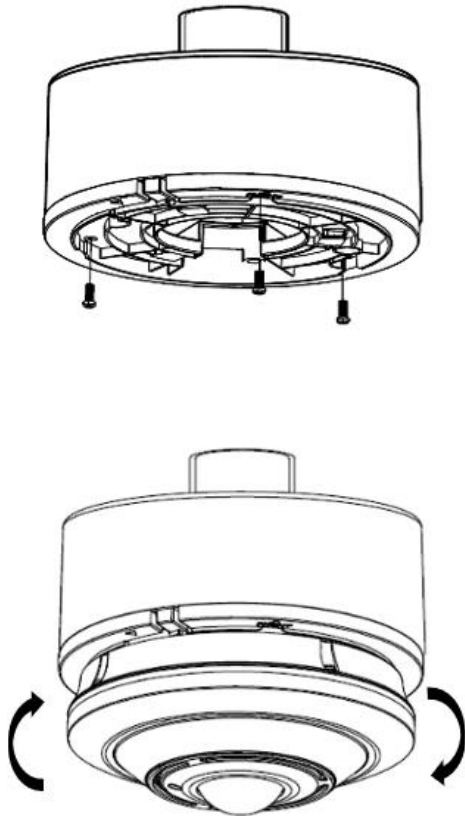


4. After connecting the main cable connector and fisheye camera tail cable, place them into the concealed wiring box. Then, insert the concealed wiring box bottom cover connector into the suspension rod interface and tighten the side machine screws. This completes the installation.

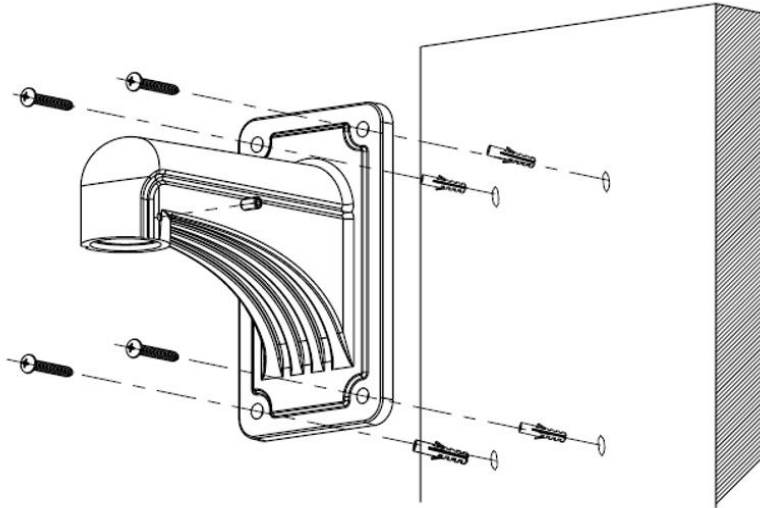


8.2 GV-Mount210-2 + GV-Mount504-1 Installation

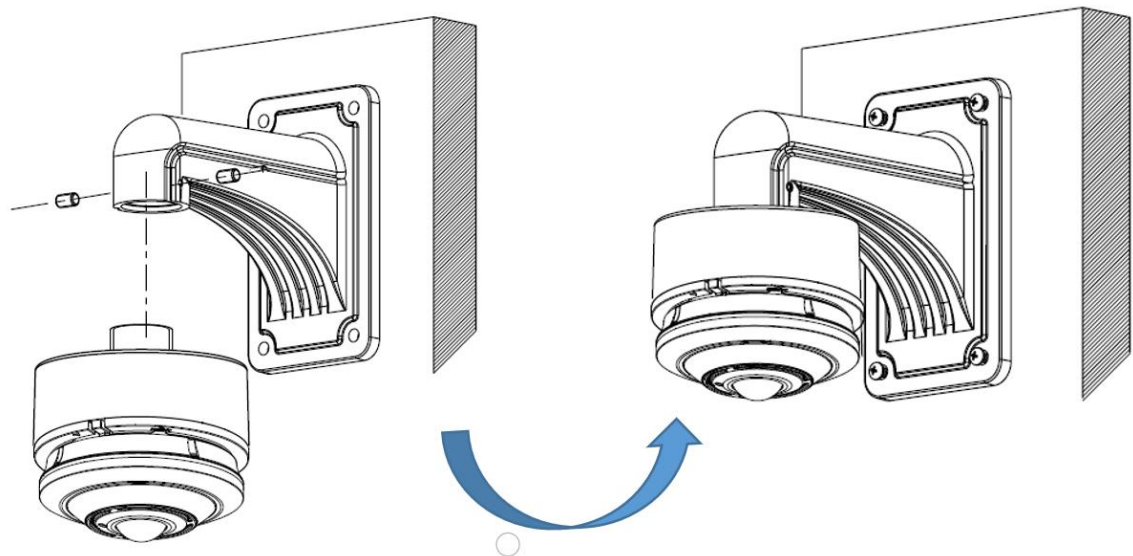
1. Install the fisheye camera adapter board onto the concealed wiring box. Thread the tail cable of the fisheye camera through the central hole of the concealed wiring box. Rotate the camera clockwise to ensure that the latch on the bottom of the camera and the latch on the adapter board are fully engaged (as shown in Figure 1).



2. Drill four screw holes on the wall where installation is needed. Hammer four expansion screws into the drilled wall holes. Then, thread the main cable connector out from the center of the bracket. Align the bracket base with the four wall screw holes and tighten with screws (as shown in Figure 2). If you are using self-tapping screws for installation, you need to first hammer four adhesive particles into the screw holes and then tighten the bracket with self-tapping screws.



3. After connecting the main cable connector and fisheye camera tail cable, place them into the concealed wiring box. Then, insert the concealed wiring box bottom cover connector into the bracket interface and tighten the machine screws on both sides. This completes the installation (as shown in Figure 3).



9. Wall Box Mounting with GV-Mount505



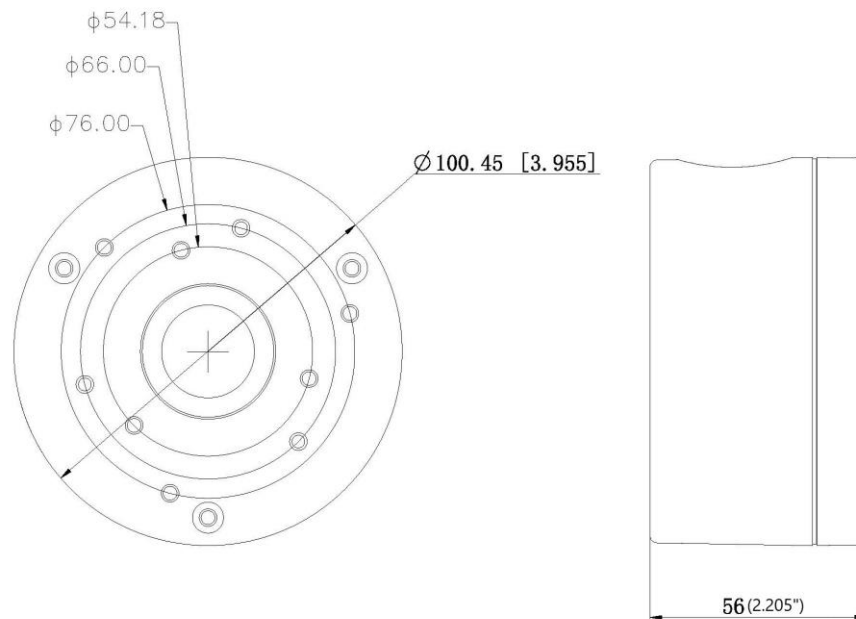
Packing List

1. GV-Mount505	2. Short screw (8 mm) x 3
3. Long screw (35 mm) x 3	4. Colloidal particle x 3
5. Allen wrench x 1	6. Screw waterproofing ring x 3
7. Waterproof joint rubber ring x 1	8. Waterproof connector x 1
9. Drill template paster	10. Installation instruction

Applicable Models:

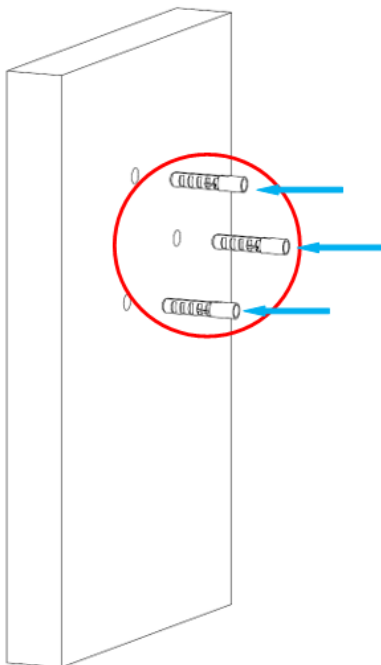
- GV-RBL5800
- GV-RBL5802
- GV-RBL5811
- GV-REB5800
- GV-REB5801

Dimensions

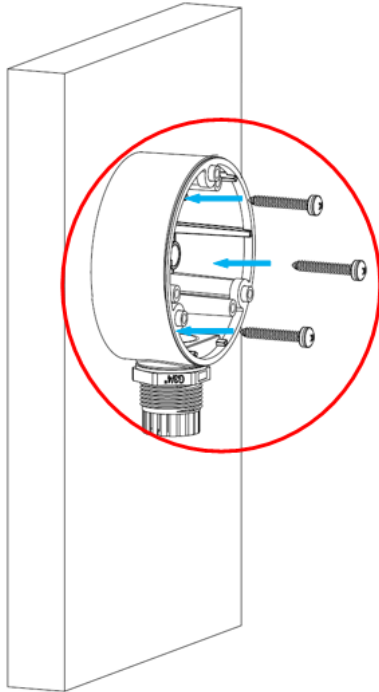


GV-Mount505 Installation

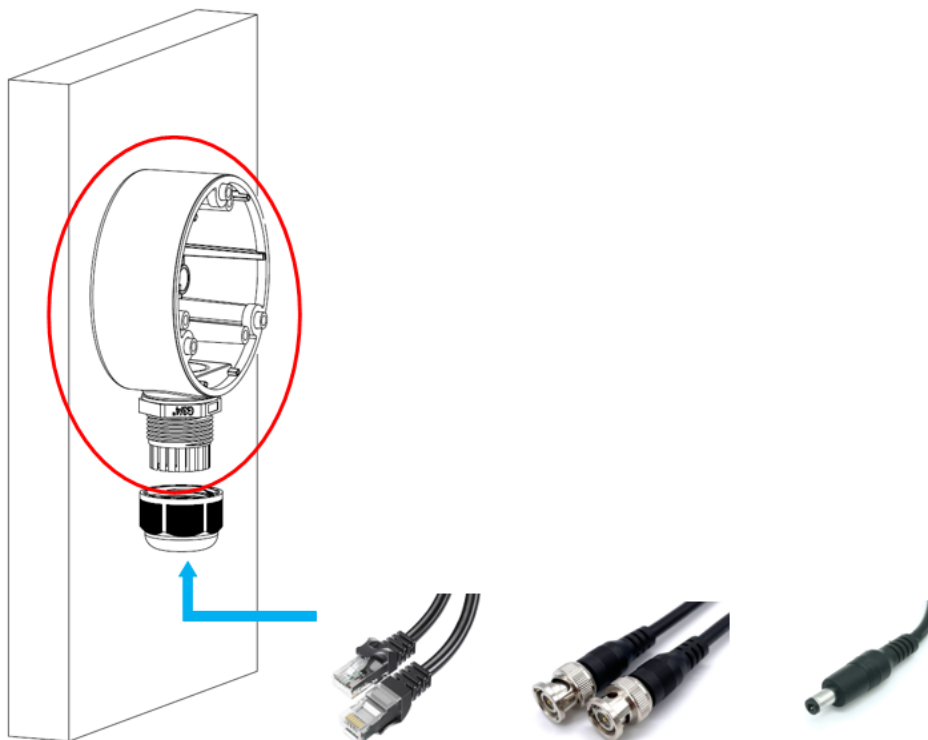
1. Drill holes according to the drill template paster on the wall and insert the colloidal particles.



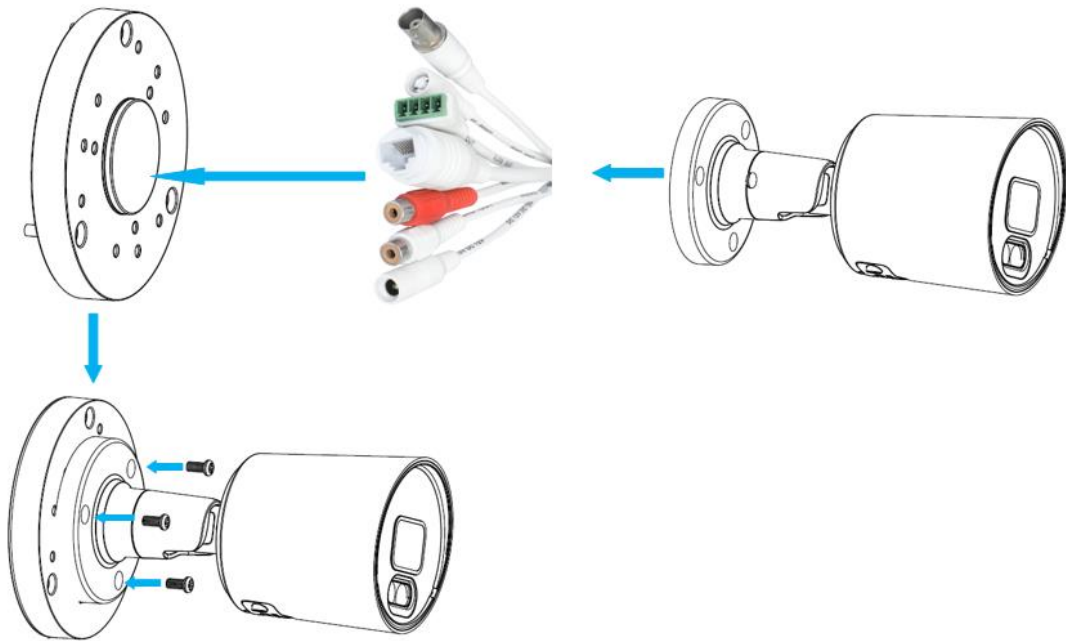
2. Secure the bottom of GV-Mount505 on the wall using the supplied screws.



3. Thread the necessary cables from the bottom hole of GV-Mount505.



4. Connect the camera's cables inside GV-Mount505 and fix the camera onto the upper part of GV-Mount505 using the supplied screws.



5. Assemble GV-Mount505 to complete the installation.

