GeoVision inc
The Vision of Security

GV-Mount Accessories

Installation Guide



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

MT-AO

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Installation Overview

GV-Mount Series

The GV-Mount Series supports the installation of all kinds of GV-IP Cameras in various environments, such as the ceiling, wall surface, wall corner and pole. The supported installation types are listed below.

Note:

1. Mind that there are two categories of Vandal Proof IP Camera:
   - GV-VD Series (I): GV-VD120D series / 220D series / 320D series / 1500 / 2400 / 2500 / 3400.
   - GV-VD Series (II): GV-VD1530 / 1540 / 1540-E / 2430 / 2440 / 2440-E / 2530 / 2540 / 2540-E / 3430 / 3440 / 3440-E / 3700 / 4700 / 5700 / 4711 / 5711 / 5340 / 5340-E.
2. For VD2702 / 2712, see Ch14 for its installation methods.

IMPORTANT: For installation instructions, from Chapter 2 to Chapter 15, specific parts are marked with the numbers, corresponding to the item numbers in the packing list for each GV-Mount model. See *1.3 Packing Lists*.

For example, in step 3. of *6.1.3 GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR / GV-QSD5730-Outdoor / GV-QSD5731-IR*, “the wall pendant tube (GV-Mount210, No. 1)” refers to Item No. 1 in the packing list of GV-Mount210 / 210-1.

- **GV-Mount210 / 210-1**

1. Wall Pendant Tube 	2. Screw x 2 
3. M5 Hex Key 	4. Connecting Tube  GV-Mount210  GV-Mount210-1

Standard Installation

With the standard package of GV-IP Camera, you can have these mounting types.

	GV-VD / EVD Series	GV-FD / EFD Series	GV-FE / FER / EFER / QFER Series	GV-SD Series / GV-PPTZ Series	GV-BL Series	GV-BX-E Series / GV-IP LPR Camera	GV-MFD Series	GV-MDR Series	GV-EFD / EDR Series	GV-SV Series
Standard Installation										
Ceiling	**Hard Ceiling**									
				 *GV-SD220 only						
	In-Ceiling									
	 *GV-VD Series (I) only	 *GV-FD Series only	 *GV-FER5701 / 12203 / 12700 / EFER3700 / EFER3700-W / QFER12700 is not supported							
	Straight Tube Mount									
				 GV-PPTZ Series only						
Wall	**Wall Mount**			**Wall Pendant Mount**	**Wall Mount**					
				 *Outdoor GV-SD Series only						
Ground	**Ground Mount**									
										
Power Box	**Power Box Mount**									
	 *GV-VD Series (I) only									

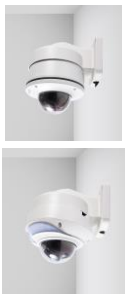
Optional Installation with GV-Mount Series

Optionally purchase GV-Mount series to meet your needs of various mounting scenarios.

	GV-VD / EVD Series	GV-FD / EFD Series	GV-FE / FER / EFER / QFER Series	GV-SD Series / GV-PPTZ Series / GV-QSD Series	GV-BL Series	GV-BX-E Series / GV-IP LPR Camera
Optional Installation						
Ceiling	**In-Ceiling Mount**					
	 *GV-VD Series (II) only	 *GV-EFD Series only	 *GV-QFER12700 only	 *GV-SD2322-IR / 2722-IR / 2723-IR / 2733-IR / 3732-IR is not supported		
	Straight Tube					
				 *Outdoor GV-SD Series and GV-QSD5730-Outdoor / GV-QSD5731-IR only		
	Straight Tube Box					
				 *Outdoor GV-SD Series, GV-PPTZ Series, and GV-QSD5730-Outdoor / GV-QSD5731-IR only		

	GV-VD / EVD Series	GV-FD / EFD Series	GV-FE / FER / QFER Series	GV-SD Series / GV-PPTZ Series / GV-QSD Series	GV-BL Series	GV-BX-E Series / GV-IP LPR Camera
Optional Installation						
Pole	**Pole Mount**					
	 			 *Outdoor GV-SD Series, GV-PPTZ Series, and GV-QSD5730-Outdoor / GV-QSD5731-IR only		
	Pole Box Mount					
				 *Outdoor GV-SD Series, GV-PPTZ Series, and GV-QSD5730-Outdoor / GV-QSD5731-IR only		

	GV-VD / EVD Series	GV-FD / EFD Series	GV-FE / FER / QFER Series	GV-SD Series / GV-PPTZ Series / GV-QSD Series	GV-BL Series	GV-BX-E Series / GV-IP LPR Camera
Optional Installation						
Corner	**Convex Corner Mount**					
				 * Outdoor GV-SD Series, GV-PPTZ Series, and GV-QSD5730-Outdoor / GV-QSD5731-IR only		
	Convex Corner Box Mount					
				 * Outdoor GV-SD Series, GV-PPTZ Series, and GV-QSD5730-Outdoor / GV-QSD5731-IR only		
Corner	**Concave Corner Mount**					
				 * Outdoor GV-SD Series, GV-PPTZ Series, and GV-QSD5730-Outdoor / GV-QSD5731-IR only		

	GV-VD / EVD Series	GV-FD / EFD Series	GV-FE / FER / EFER / QFER Series	GV-SD Series / GV-PPTZ Series / GV-QSD Series	GV-MFD Series	GV-MDR Series	GV-EFD / GV-EDR Series
Optional Installation							
Wall	**Wall Mount Bracket**						
		 *GV-FD Series only					 *GV-EFD2101 / 3101 / 5101 is not supported.
			Tilting Wall Mount				
							
	Wall Pendant Mount						
							
	Wall Box Mount						
	 *GV-VD Series only					 *GV-MFD2700 Series / 4700 Series is not supported.	 *GV-EDR4700 Series is not supported.
	Swan Neck Mount						
				 *GV-PPTZ Series / SD2301 (V2) 2411 (V2) / 2723-IR / 2733-IR only			

	GV-VD / EVD Series	GV-FD / EFD Series	GV-FE / FER / EFER / QFER Series	GV-SD Series / GV-PPTZ Series / GV-QSD Series	GV-MFD Series	GV-MDR Series	GV-EFD / GV-EDR Series
Optional Installation							
Wall	**Swan Neck Mount**						
				 *GV-SD220-S / 2300 only			
				 *GV-SD2322-IR / 2722-IR / 3732-IR / 4825-IR / 4834-IR / QSD5730-Outdoor / QSD5731-IR			
Power Box	**Power Box Mount**						
							

GV-Housing Series

The GV-Housing Series supports outdoor or indoor installation of GV-BX Series with external protection. The supported installation types are illustrated below. For the supported GV-BX models, refer to *Note for Installing Box Camera* later in the installation guide.

<table>
<tr><th></th><th>GV-BX Series</th></tr>
<tr><td colspan="2">Standard Installation</td></tr>
<tr><td>Housing Box</td><td> </td></tr>
<tr><td colspan="2">Optional Installation</td></tr>
<tr><td rowspan="6">Housing Box</td><td>Convex Corner Mount</td></tr>
<tr><td> </td></tr>
<tr><td>Concave Corner Mount</td></tr>
<tr><td> </td></tr>
<tr><td>Pole Mount</td></tr>
<tr><td> </td></tr>
</table>

Required GV-Mount Accessories

Look up the required GV-Mount accessories for each installation method from the table below. For more information, contact your local dealer.

IMPORTANT:

1. **GV-VD Series (I)** refers to the following models: GV-VD120D / 121D / 122D / 123D / 220D / 221D / 222D / 223D / 320D / 321D / 322D / 323D / 1500 / 2400 / 2500 / 3400; **GV-VD Series (II)** refers to the following models: GV-VD1530 / 1540 / 1540-E / 2430 / 2440 / 2440-E / 2530 / 2540 / 2540-E / 3430 / 3440 / 3440-E / 5340 / 5340-E
2. For **Straight Tube Box Mount**, **Convex Corner Box Mount**, **Concave Corner Box Mount** and **Pole Box Mount**, a user-prepared corrugated tube of **3/4''**, **ø 26.0 ~ 26.5 mm** is required. For example,

   
3. To extend the tube for **Straight Tube Box Mount** and **Straight Tube Mount**, purchase a GV-Mount702.
4. GV-Fisheye Cameras with IR LED do not support GV-Mount203 / 300-1 / 310-1 / 400-1 / 410-1.

Optional Installation Method		Required Accessories
Ceiling Mount		
Straight Tube Box Mount	GV-FD Series	GV-Mount100 + GV-Mount902
	GV-EFD2101 / 3101 / 5101	GV-Mount100 + GV-Mount917
	GV-FE / FER Series GV-EFER3700 / EFER3700-W	GV-Mount100 + GV-Mount903-1
	GV-QFER12700	GV-Mount100 + GV-Mount903-2
	GV-SD220-S / 2300	GV-Mount100
	GV-SD2322-IR / 2722-IR / 3732-IR	GV-Mount105
	GV-QSD5730-Outdoor / GV-QSD5731-IR	GV-Mount105-1
	GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR GV-PPTZ7300 / 14021 / 14031 GV-SV48000	GV-Mount102
	GV-VD Series (I) GV-VD Series (II) GV-EVD Series	GV-Mount100 + GV-Mount903-1
Straight Tube Mount	GV-FD Series	GV-Mount101 + GV-Mount902
	GV-EFD2101 / 3101 / 5101	GV-Mount101 + GV-Mount917
	GV-FE / FER Series GV-EFER3700 / EFER3700-W	GV-Mount101 + GV-Mount903-1
	GV-QFER12700	GV-Mount101 + GV-Mount903-2
	GV-SD220-S / 2300	GV-Mount101
	GV-SD2322-IR / 2722-IR / 3732-IR	GV-Mount104
	GV-QSD5730-Outdoor / GV-QSD5731-IR	GV-Mount104-1
	GV-SD2301 V2 / 2411 V2 / 2723-IR / 2733-IR GV-PPTZ7300 / 14021 / 14031 GV-SV48000	GV-Mount103 / 103-1
	GV-VD Series (I) GV-VD Series (II) GV-EVD Series	GV-Mount101 + GV-Mount903-1
In-Ceiling Mount	GV-VD Series (II)	GV-Mount914
	GV-EFD2101 / 3101 / 5101	GV-Mount915
	GV-EVD Series	GV-Mount916
	GV-SD220	GV-Mount907
	GV-SD220-S / 2300	GV-Mount908
	GV-SD2301 / 2301 V2 / 2411 / 2411 V2 GV-PPTZ7300	GV-Mount908-2
	GV-PPTZ14021 / 14031	GV-Mount908-3
	GV-QFER12700	GV-Mount919

Optional Installation Method		Required Accessories
Corner Mount		
Convex Corner Mount	GV-BL Series	GV-Mount300-1
	GV-BX Series	GV-Mount300-1 + GV-Housing101
		GV-Mount300-1 + GV-Housing102
	GV-BX12201 / 2700-3V / 4700-3V / 5700-3V	GV-Mount300-1 + GV-Housing103
	GV-BX-E Series GV-IP LPR Camera	GV-Mount300-1
	GV-FD Series	GV-Mount300-1 + GV-Mount200 + GV-Mount902
	GV-EFD2101 / 3101 / 5101	GV-Mount300-1 + GV-Mount200 + GV-Mount917
	GV-FE / FER Series	GV-Mount300-1 + GV-Mount200 + GV-Mount903-1
	GV-QFER12700	GV-Mount300-1 + GV-Mount200 + GV-Mount903-2
	GV-SD220-S / 2300	GV-Mount300-1 + GV-Mount200
	GV-SD2322-IR / 2722-IR / 3732-IR	GV-Mount300-1 + GV-Mount210
	GV-QSD5730-Outdoor / GV-QSD5731-IR	GV-Mount300-1 + GV-Mount210-1
	GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR GV-PPTZ7300 / 14021 / 14031 GV-SV48000	GV-Mount300-1 + GV-Mount207
	GV-VD Series (I) GV-VD Series (II) GV-EVD Series	GV-Mount300-1 + GV-Mount200 + GV-Mount903-1
	GV-VD Series (II) GV-EVD Series GV-FD Series	GV-Mount300-1 + GV-Mount203 + GV-Mount902
Convex Corner Box Mount	GV-EFD2101 / 3101 / 5101	GV-Mount300-1 + GV-Mount203 + GV-Mount917
	GV-FE / FER Series	GV-Mount300-1 + GV-Mount203 + GV-Mount903-1
	GV-QFER12700	GV-Mount300-1 + GV-Mount203 + GV-Mount903-2
	GV-SD220-S / 2300	GV-Mount300-1 + GV-Mount203
	GV-SD2322-IR / 2722-IR / 3732-IR	GV-Mount300-1 + GV-Mount501 + GV-Mount210
	GV-QSD5730-Outdoor / GV-QSD5731-IR	GV-Mount300-1 + GV-Mount501 + GV-Mount210-1
	GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR GV-PPTZ7300 / 14021 / 14031 GV-SV48000	GV-Mount300-1 + GV-Mount501 + GV-Mount207
	GV-VD Series (I) GV-VD Series (II) GV-EVD Series	GV-Mount300-1 + GV-Mount203 + GV-Mount903-1

Optional Installation Method		Required Accessories
Corner Mount		
Concave Corner Mount	GV-BL Series	GV-Mount310-1
	GV-BX Series	GV-Mount310-1 + GV-Housing101
		GV-Mount310-1 + GV-Housing102
	GV-BX12201 / 2700-3V / 4700-3V / 5700-3V	GV-Mount310-1 + GV-Housing103
	GV-BX-E Series GV-IP LPR Camera	GV-Mount310-1
	GV-FD Series	GV-Mount310-1 + GV-Mount200 + GV-Mount902
	GV-EFD2101 / 3101 / 5101	GV-Mount310-1 + GV-Mount200 + GV-Mount917
	GV-FE / FER Series	GV-Mount310-1 + GV-Mount200 + GV-Mount903-1
	GV-QFER12700	GV-Mount310-1 + GV-Mount200 + GV-Mount903-2
	GV-SD220-S / 2300	GV-Mount310-1 + GV-Mount200
	GV-SD2322-IR / 2722-IR / 3732-IR	GV-Mount310-1 + GV-Mount210
	GV-QSD5730-Outdoor / GV-QSD5731-IR	GV-Mount310-1 + GV-Mount210-1
	GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR GV-PPTZ7300 / 14021 / 14031	GV-Mount310-1 + GV-Mount207
	GV-VD Series (I) GV-VD Series (II) GV-EVD Series	GV-Mount310-1 + GV-Mount200 + GV-Mount903-1
Concave Corner Box Mount	GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR GV-PPTZ7300 / 14021 / 14031	GV-Mount310-1 + GV-Mount501 + GV-Mount207

Optional Installation Method			Required Accessories
Pole Mount			
Pole Mount	Ø 4'' ~ 6''	GV-BL Series	GV-Mount400-1
		GV-BX Series	GV-Mount400-1 + GV-Housing101
			GV-Mount400-1 + GV-Housing102
		GV-BX12201 / 2700-3V / 4700-3V / 5700-3V	GV-Mount400-1 + GV-Housing103
		GV-BX-E Series GV-IP LPR Camera	GV-Mount400-1
		GV-FD Series	GV-Mount400-1 + GV-Mount200 + GV-Mount902
		GV-EFD2101 / 3101 / 5101	GV-Mount400-1 + GV-Mount200 + GV-Mount917
		GV-FE / FER Series	GV-Mount400-1 + GV-Mount200 + GV-Mount903-1
		GV-QFER12700	GV-Mount400-1 + GV-Mount200 + GV-Mount903-2
		GV-SD220-S / 2300	GV-Mount400-1 + GV-Mount200
		GV-SD2322-IR / 2722-IR / 3732-IR	GV-Mount400-1 + GV-Mount210
		GV-QSD5730-Outdoor / GV-QSD5731-IR	GV-Mount400-1 + GV-Mount210-1
		GV-SD2301 / SD2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR GV-PPTZ7300 / 14021 / 14031 GV-SV48000	GV-Mount400-1 + GV-Mount207
		GV-VD Series (I) GV-VD Series (II) GV-EVD Series	GV-Mount400-1 + GV-Mount200 + GV-Mount903-1
	Ø 6'' ~ 7.5''	GV-BL Series	GV-Mount410-1
		GV-BX Series	GV-Mount410-1 + GV-Housing101
			GV-Mount410-1 + GV-Housing102
		GV-BX12201 / 2700-3V / 4700-3V / 5700-3V	GV-Mount410-1 + GV-Housing103
		GV-BX-E Series GV-IP LPR Camera	GV-Mount410-1
		GV-FD Series	GV-Mount410-1 + GV-Mount200 + GV-Mount902
		GV-EFD2101 / 3101 / 5101	GV-Mount410-1 + GV-Mount200 + GV-Mount917
		GV-FE / FER Series	GV-Mount410-1 + GV-Mount200 + GV-Mount903-1
		GV-SD220-S / 2300	GV-Mount410-1 + GV-Mount200
		GV-SD2322-IR / 2722-IR / 3732-IR	GV-Mount410-1 + GV-Mount210
		GV-QSD5730-Outdoor / GV-QSD5731-IR	GV-Mount410-1 + GV-Mount210-1

Optional Installation Method			Required Accessories
Pole Mount			
Pole Mount	Ø 6'' ~ 7.5''	GV-SD2301 / SD2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR GV-PPTZ7300 / 14021 / 14031 GV-SV48000	GV-Mount410-1 + GV-Mount207
		GV-VD Series (I) GV-VD Series (II) GV-EVD Series	GV-Mount410-1 + GV-Mount200 + GV-Mount903-1
Pole Box Mount	Ø 4'' ~ 6''	GV-FD Series	GV-Mount400-1 + GV-Mount203 + GV-Mount902
		GV-EFD2101 / 3101 / 5101	GV-Mount400-1 + GV-Mount203 + GV-Mount917
		GV-FE / FER Series	GV-Mount400-1 + GV-Mount203 + GV-Mount903-1
		GV-QFER12700	GV-Mount400-1 + GV-Mount203 + GV-Mount903-2
		GV-SD220-S / 2300	GV-Mount400-1 + GV-Mount203
		GV-SD2322-IR / 2722-IR / 3732-IR	GV-Mount400-1 + GV-Mount501+ GV-Mount210
		GV-QSD5730-Outdoor / GV-QSD5731-IR	GV-Mount400-1 + GV-Mount501+ GV-Mount210-1
		GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR GV-PPTZ7300 / 14021 / 14031 GV-SV48000	GV-Mount400-1 + GV-Mount501 + GV-Mount207
		GV-VD Series (I) GV-VD Series (II) GV-EVD Series	GV-Mount400-1 + GV-Mount203 + GV-Mount903-1
Pole Box Mount	Ø 6'' ~ 7.5''	GV-FD Series	GV-Mount410-1+ GV-Mount203 + GV-Mount902
		GV-EFD2101 / 3101 / 5101	GV-Mount410-1 + GV-Mount203 + GV-Mount917
		GV-FE / FER Series	GV-Mount410-1 + GV-Mount203 + GV-Mount903-1
		GV-QFER12700	GV-Mount410-1 + GV-Mount203 + GV-Mount903-2
		GV-SD220-S / 2300	GV-Mount410-1 + GV-Mount203
		GV-SD2322-IR / 2722-IR / 3732-IR	GV-Mount410-1 + GV-Mount501 + GV-Mount210
		GV-QSD5730-Outdoor / GV-QSD5731-IR	GV-Mount410-1 + GV-Mount501 + GV-Mount210-1
		GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR GV-PPTZ7300 / 14021 / 14031 GV-SV48000	GV-Mount410-1 + GV-Mount501 + GV-Mount207
		GV-VD Series (I) GV-VD Series (II) GV-EVD Series	GV-Mount410-1 + GV-Mount203 + GV-Mount903-1

Optional Installation Method		Required Accessories
Wall Mount		
Wall Mount Bracket	GV-FD Series GV-FE/FER Series GV-VD Series (I)	GV-Mount205 *GV-FER12201 / EFER3700 / EFER3700-W is not supported.
	GV-VD Series (II) GV-EVD Series GV-FER5701 / 12203 / 12700 / EFER3700 / EFER3700-W	GV-Mount206
	GV-QFER12700	GV-Mount206-1
	GV-MFD Series GV-MDR Series GV-EFD Series GV-EDR Series	GV-Mount918 *GV-EFD2101/3101/5101 is not supported.
Wall Box Mount	GV-FD Series GV-EFD Series GV-MFD Series GV-MDR Series GV-EDR Series GV-VD Series (I) GV-VD Series (II)	GV-Mount909 *GV-EDR4700 Series and GV-MFD2700 Series / 4700 Series are not supported.
Wall Pendant Mount	GV-FD Series	GV-Mount200 + GV-Mount902
	GV-EFD2101 / 3101 / 5101	GV-Mount200 + GV-Mount917
	GV-FE / FER Series GV-EFER3700 / EFER3700-W GV-VD Series (I) GV-VD Series (II) GV-EVD Series	GV-Mount200 + GV-Mount903-1
	GV-QFER12700	GV-Mount200 + GV-Mount903-2
Tilting Wall Mount	GV-FE / FER Series	GV-Mount904 *GV-FER5701 / 12203 / 12700 / EFER3700 / EFER3700-W is not supported.
	GV-FER5701 / 12203 / 12700 / EFER3700 / EFER3700-W	GV-Mount904-1
	GV-QFER12700	GV-Mount904-2
Swan Neck Mount	GV-FE / FER Series GV-EFER3700 / EFER3700-W GV-VD Series (II) GV-EVD Series	GV-Mount208-2 + GV-Mount903-1
	GV-QFER12700	GV-Mount208-2 + GV-Mount903-2
	GV-PPTZ7300 / 14021 / 14031 GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR GV-SV48000	GV-Mount208-1
	GV-SD220-S / 2300	GV-Mount208-2

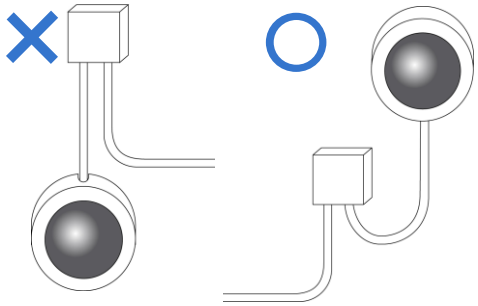
	GV-SD2322-IR / 2722-IR / 3732-IR / 4825-IR / 4834-IR	GV-Mount208-3
	GV-QSD5730-Outdoor / GV-QSD5731-IR	GV-Mount208-4

Optional Installation Method		Required Accessories
Power Box Mount		
Power Box Mount	GV-FE / FER Series	GV-Mount912 *GV-EFER3700 / EFER3700-W is not supported.
	GV-QFER12700	GV-Mount912-1
	GV-EFER3700 / EFER3700-W GV-FD Series	GV-Mount913
	GV-MDR Series GV-MFD Series GV-EFD Series GV-EDR Series	GV-Mount910 or GV-Mount913
	GV-VD Series	N/A
Wall Mount Bracket	GV-FD Series GV-FE/FER Series GV-VD Series (I)	GV-Mount205 *GV-FER12201 / EFER3700 / EFER3700-W is not supported.
	GV-VD Series (II) GV-EVD Series GV-FER5701 / 12203 / 12700 / EFER3700 / EFER3700-W	GV-Mount206
	GV-QFER12700	GV-Mount206-1
	GV-MFD Series GV-MDR Series GV-EFD Series GV-EDR Series	GV-Mount918 *GV-EFD2101/3101/5101 is not supported.

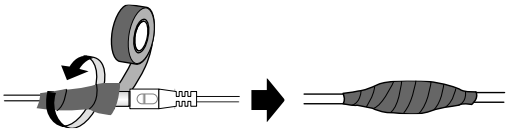
Note for Installing Camera Outdoor

When installing the camera outdoor, be sure that:

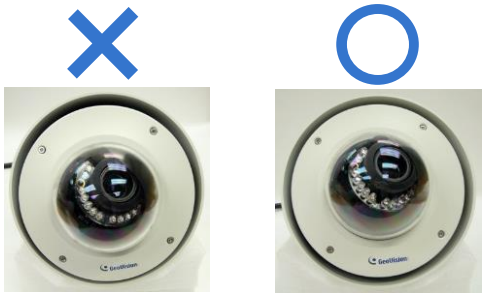
1. The camera is set up above the junction box to prevent water from entering the camera along the cables.



2. Any network, power, audio and I/O cables are waterproofed using waterproof silicon rubber or the like.



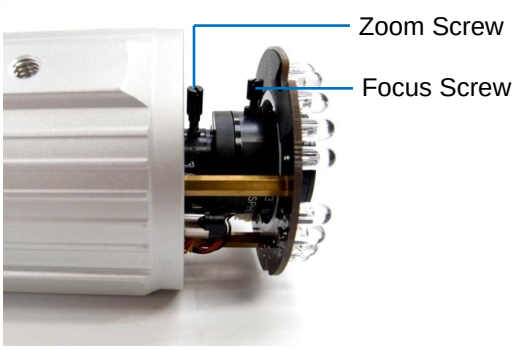
3. To prevent the lens from fogging up, ensure to replace the silica gel bag/desiccant pack every time you open the camera, and conceal the gel bag/desiccant pack in the camera within 2 minutes of exposing to open air. The silica gel bag/desiccant loses its effectiveness when the dry camera is opened.
4. For each newly replaced silica gel bag, allow it to absorb moisture for at least 5 hours before operating the camera.
5. After opening the camera cover, ensure the screws are tightened and the cover is in place.



Note for Adjusting Focus and Zoom

When adjusting the Focus and Zoom Screws (on Bullet Camera, Vandal Proof IP Dome and Fixed IP Dome), do not over tighten the Focus and Zoom screws. The screws only need to be as tight as it can be using bare hands. The use of unnecessary tools may damage the structure of the lens.

For example,



Bullet Camera



Fixed IP Dome

The maximum torque value for all the zoom and focus screws are 0.049 N.m

Note for Supported Power Box Types

The supported power box types and required accessories are detailed below:

Camera Type	Required Accessory	Supported Power Box Type			
		Single Gang	Double Gang	4'' Octagon	4'' Square
GV-FE / FER Series	GV-Mount912	✓	✓	✓	✓
GV-QFER12700	GV-Mount912-1	✓	✓	✓	✓
GV-EFER3700 / EFER3700-W	GV-Mount913	✓	✓	✓	✓
GV-FD Series	GV-Mount913	✓	✓	✓	✓
GV-MDR Series **GV-MFD Series**	GV-Mount910	✓	✓	✓	
GV-EFD Series **GV-EDR Series**	GV-Mount913	✓	✓	✓	✓
GV-VD Series	N/A		✓		✓

Single Gang	Double Gang	4'' Octagon	4'' Square
			

For the Power Box Mount, see the related sections in *Chapter 2 and 3* for GV-VD Series, *Chapter 4* for GV-FD Series, *Chapter 5* for GV-Fisheye Series, *Chapter 10* for GV-MFD Series, *Chapter 11* for GV-MDR Series, *Chapter 12* for GV-EFD Series, and *Chapter 13* for GV-EDR Series.

Note for IP LPR Camera

For **GV-LPC2210** / **LPR2011**, see *Chapter 7 Installing the Bullet / Target Bullet / LPR Camera* for installation instructions.

For **GV-LPC1100** / **LPC1200** / **LPR1200** / **LPC2210**, see *Chapter 9 Installing the Arctic Box / IP LPR Camera* for installation instructions.

Note for Surround Video IP Camera

For **GV-SV48000**,

- To install **GV-Mount102** for Straight Tube Box Mount, see similar installations in *6.3.2 GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR*.
- To install **GV-Mount103** for Straight Tube Mount, see similar installations in *6.4.2 GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR*.
- To install **GV-Mount207** for Wall Pendent Mount, see similar installations in *6.1.2 GV-SD2301 / 2301 V2 / 2411 / 2411 V2*.
- To install **GV-Mount208-1** for Swan Neck Mount, see similar installations in *6.10.2 GV-SD2301 / 2301 V2 / SD2411 / 2411 V2 / SD2723-IR / SD2733-IR*.
- To install **GV-Mount300-1 and GV-Mount501**, see similar installations in *6.6.2 SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR*.
- To install **GV-Mount400-1 / 410-1 and GV-Mount501**, see similar installations in *6.9.2 GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR*.

Note for Panoramic PTZ Camera

For **GV-PPTZ7300**,

- To install **GV-Mount102** for Straight Tube Box Mount, see *6.3.2 GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR* for installation instructions.
- To install **GV-Mount207** for Wall Pendent Mount, see *6.1.2 GV-SD2301 / 2301 V2 / 2411 / 2411 V2* for installation instructions.
- To install **GV-Mount208-1** for Swan Neck Mount, see *6.10.2 GV-SD2301 / 2301 V2 / SD2411 / 2411 V2 / SD2723-IR / SD2733-IR* for installation instructions.
- To install **GV-Mount300-1** for Convex Corner Mount, see *6.5 Convex Corner Mount* for installation instructions.
- To install **GV-Mount310-1** for Concave Corner Mount, see *6.7 Concave Corner Mount* for installation instructions.
- To install **GV-Mount400-1 / 410-1** for Pole Mount, see *6.8 Pole Mount* for installation instructions.
- To install **GV-Mount501** for Convex Corner Box Mount, see *6.9.2 GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR* for installation instructions.
- To install **GV-Mount908-2** for In-Ceiling Mount, see *6.2.3 GV-SD2301 / 2301 V2 / 2411 / 2411 V2* for installation instructions.

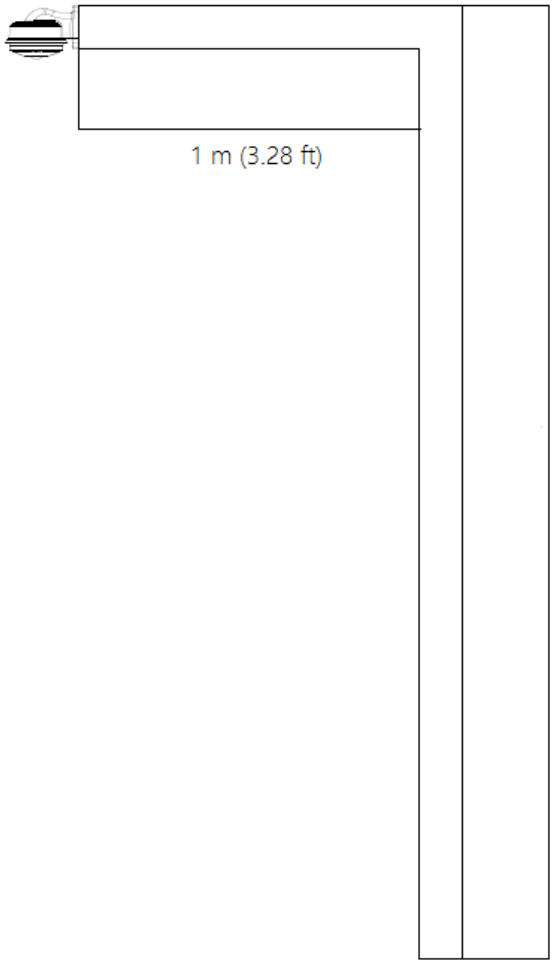
For **GV-PPTZ14021** / **14031**,

- To install **GV-Mount102** / **GV-Mount207** / **GV-Mount208-1** / **GV-Mount300-1** / **GV-Mount310-1** / **GV-Mount400-1** / **GV-Mount410-1** / **GV-Mount501**, see the mount reference of GV-PPTZ7300 above.
- To install **GV-Mount103 / GV-Mount103-1** for Straight Tube Mount, see *6.4.2 GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR* for installation instructions.
- To install **GV-Mount908-3** for In-Ceiling Mount, see *15.1.1 GV-PPTZ14021 / GV-PPTZ14031* for installation instructions.

Note for Fisheye Camera with IR LED

When installing **Mount 200 / 205 / 206 / 206-1** to your GV-FE / FER / QFER Series with IR LED, leave a distance of 1 M (3.28 ft) or more between the camera body and the wall to avoid reflected glare by IR LED.

GV-FE / FER / EFER / QFER Series with IR LED**:** GV-FE2303 / 3403 / 4303 / 5303, GV-FER3403 / 5303 / 12203 / 12700, GV-EFER3700 / EFER3700-W, and GV-QFER12700.



Note for QSD Speed Dome Camera

For **GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR / GV-QSD5730-Outdoor / GV-QSD5731-IR,**

- To install **GV-Mount104 / 104-1** for Straight Tube Mount, see similar installations in *6.4.3 GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR*.
- To install **GV-Mount105 / 105-1** for Straight Tube Box Mount, see similar installations in *6.3.3 GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR*.
- To install **GV-Mount210 / 210-1** for Pendant Tube Mount, see similar installations in *6.1.3 GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR / GV-QSD5730-Outdoor / GV-QSD5731-IR*.
- To install **GV-Mount208-3 / 208-4** for Swan Neck Mount, see similar installations in *6.10.3 GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR*.
- To install **GV-Mount300-1** for Convex Corner Mount, see similar installations in *6.6.3 GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR*.
- To install **GV-Mount400 / 410-1** for Pole Mount, see similar installations in *6.9.3 GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR*.

1. Introduction

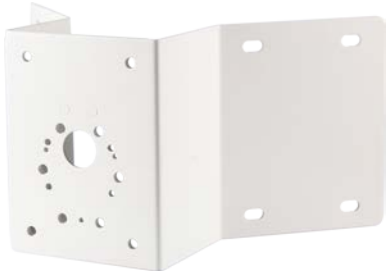
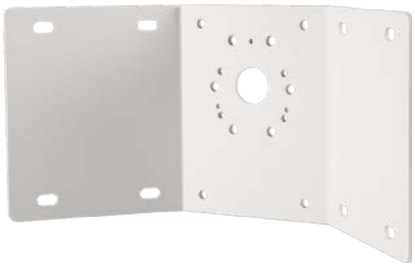
1.1 Accessories List

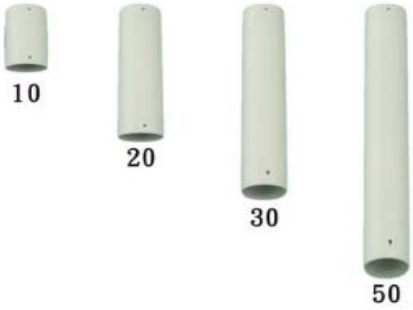
Model No.	Name	Details
GV-Mount100	**Straight Tube and Junction Box Kit** 	**Dimensions** 200 x 170 x 257.5 mm / 7.9 x 6.7 x 10.1 in **Weight** 3.17 kg / 6.99 lb
GV-Mount101	**Straight Tube Kit** 	**Dimensions** 219 x 125 x 332 mm / 8.6 x 4.9 x 13.1 in **Weight** 1.8 kg / 3.97 lb
GV-Mount102	**Straight Tube Box Mount** 	**Dimensions** 256 x 256 x 316 mm / 10.1 x 10.1 x 12.4 in **Weight** 6.6 kg / 14.6 lb

Model No.	Name	Details
GV-Mount103 / 103-1	**Straight Tube Mount** 	**Dimensions** **GV-Mount103** 219 x 125 x 340 mm / 8.6 x 4.9 x 13.4 in **GV-Mount103-1** 219 x 125 x 240 mm / 8.6 x 4.9 x 9.4 in **Weight** **GV-Mount103** 2.2 kg / 4.9 lb **GV-Mount103-1** 1.76 kg / 3.88 lb
GV-Mount104 / 104-1		**Dimensions** 219 x 125 x 332 mm / 8.6 x 4.9 x 13.1 in **Weight** 1.8 kg / 3.97 lb
GV-Mount105 / 105-1		**Dimensions** 256 x 256 x 297 mm / 10.1 x 10.1 x 11.7 in **Weight** 6.2 kg / 13.67 lb

Model No.	Name	Details
GV-Mount200	**Wall Pendant Mount** 	**Dimensions (L x W x D)** 200 x 140 x 249 mm / 7.9 x 5.5 x 9.8 in **Weight** 0.93 kg / 2.05 lb
GV-Mount203	**Wall Mount and Junction Box** 	**Dimensions** 315 x 195.5 x 225 mm / 12.4 x 7.7 x 8.9 in **Weight** 2.95 kg / 6.5 lb
GV-Mount205	**Wall Box Mount** 	**Dimensions** Ø 160 x 126.5 x 203 mm / Ø 6.3 x 5 x 8 in **Weight** 0.5 kg / 1.1 lb
GV-Mount206 / 206-1	**Wall Box Mount** 	**Dimensions** Ø 176.85 x 126.5 x 211.3 mm / Ø 6.96 x 5 x 8.3 in **Weight** 0.93 kg / 2.06 lb
GV-Mount207	**Wall Pendant Mount** 	**Dimensions** 151.6 x 203.6 x 302.8 mm / 5.97 x 8.02 x 11.92” **Weight** 1.43 kg / 3.15 lb

Model No.	Name	Details
GV-Mount208-1	**Swan Neck Mount** 	**Dimensions** 1043 x 565 x 256 mm / 41.06 x 22.24 x 10.08” **Weight** 10.6 kg / 23.37 lb
GV-Mount208-2	**Swan Neck Mount** 	**Dimensions** 1043 x 519 x 256 mm / 41.06 x 20.43 x 10.08” **Weight** 10.5 kg / 23.15 lb
GV-Mount208-3 / 208-4	**Swan Neck Mount** 	**Dimensions** 1043 x 519 x 256 mm / 41.06 x 20.43 x 10.08” **Weight** 10.6 kg / 23.37 lb

Model No.	Name	Details
GV-Mount210 / 210-1	**Wall Pendant Mount** 	**Dimensions** 200 x 140 x 249 mm / 7.9” x 5.5” x 9.80” **Weight** 1.1 kg / 2.43 lb
GV-Mount 300-1	**Convex Corner Adapter Kit** 	**Dimensions** 238.6 x 395.2 x 210 mm / 9.4 x 15.5 x 8.2 in **Weight** 4.27 kg / 9.41 lb
GV-Mount310-1	**Concave Corner Adapter Kit** 	**Dimensions** 111.2 x 369.9 x 210 mm / 4.37 x 14.5 x 8.2 in **Weight** 2.96 kg / 6.53 lb
GV-Mount 400-1	**Pole Mount Bracket Kit (Ø4 ~ 6 in)** 	**Dimensions (Bracket)** 68.4 x 240 x 163 mm / 2.69 x 9.44 x 6.41 in **Steel Strap Diameter** Ø4 ~ 6 in **Weight** 1.70 kg / 3.75 lb
GV-Mount410-1	**Pole Mount Bracket Kit (Ø6 ~ 7.5 in)** 	**Dimensions (Bracket)** 68.4 x 240 x 163 mm / 2.69 x 9.44 x 6.41 in **Steel Strap Diameter** Ø6 ~ 7.5 in **Weight** 1.70 kg / 3.75 lb

Model No.	Name	Details
GV-Mount501	**Convex Corner Box Mount** 	**Dimensions** 136 x 256 x 256 mm / 5.4 x 10.1 x 10.1 in **Weight** 4.8 kg / 10.6 lb
GV-Mount702	**Extension Tube** 	Four options are available. **Dimensions** Ø5.4 x 10 or 20 or 30 or 50 cm Ø2.1 x 3.9 / 7.9 / 11.8 / 19.7 in **Weight** 180 g / 0.4 lb 390 g / 0.86 lb 550 g / 1.21lb 800 g / 1.76 lb
GV-Mount902	**GV-FD Series Dome Housing**  	**Dimensions** Ø 86 x 165.35 mm / Ø7.3 x 6.51 in **Weight** 700 g / 1.54 lb

Model No.	Name	Details
GV-Mount903-1 / 903-2	**GV-EFER Series Dome Housing**  	**Dimensions** Ø185.51 x 165.35 mm / Ø 7.3 x 6.51 in **Weight** 900 g / 1.98 lb
GV-Mount904 / 904-1 / 904-2	**Tilting Wall Mount Bracket**  	**Dimensions** Ø159.1 x 40.5 mm / Ø 6.3 x 1.6 in **Tilt angle:** 0-20° **Weight:** 0.35 kg / 0.77 lb
GV-Mount907	**In-Ceiling Mounting Kit for GV-SD220 IP Speed Dome** 	**Dimensions** Ø230 x 153.49 mm / Ø9.08 x 6.05 in **Weight** 0.87 kg / 1.91 lb

Model No.	Name	Details
GV-Mount908	**In-Ceiling Mounting Kit for GV-SD220-S IP Speed Dome** 	**Dimensions** Mounting plate: Ø 286 x 227 mm / Ø 11.3 x 8.9 in **Weight** 2.05 kg / 4.5 lb
GV-Mount908-2	**In-Ceiling Mounting Kit for GV-SD2301 / SD2301 V2 / SD2411 / SD2411 V2** 	**Dimensions** Mounting plate: Ø 286 x 227 mm / Ø 11.3 x 8.9 in **Weight** 3.0 kg / 6.6 lb
GV-Mount908-3	**In-Ceiling Mounting Kit for GV-PPTZ14021 / 14031** 	**Dimensions** Mounting plate: Ø 286 x 240.75 mm / Ø 11.25 x 9.47 in **Weight** 2.7 kg / 5.95 lb

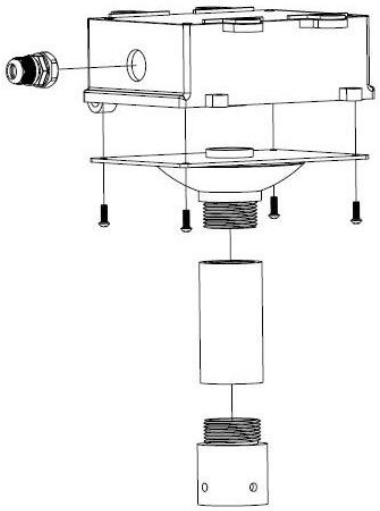
Model No.	Name	Details
GV-Mount909	**Wall Box Mount Bracket** 	**Dimensions** 170 x 150 x 110 mm / 6.7 x 5.9 x 4.3 in **Weight** 610 g / 1.34 lb
GV-Mount910	**Power Box Mount Bracket** 	**Dimensions** 112 x 98 x 7.5 mm / 4.4 x 3.9 x 0.3 in **Weight** 105 g / 0.23 lb
GV-Mount912	**Power Box Mount Bracket** 	**Dimensions** Ø146 x 10.5 mm / 5.7 x 0.4 in **Weight** 180 g / 0.4 lb
GV-Mount912-1	**Power Box Mount Bracket** 	**Dimensions** Ø 130 mm / Ø 5.1 in **Weight** 180 g / 0.4 lb
GV-Mount913	**Power Box Mount Bracket** 	**Dimensions** Ø146 x 7.5 mm / 5.7 x 0.3 in **Weight** 180 g / 0.4 lb

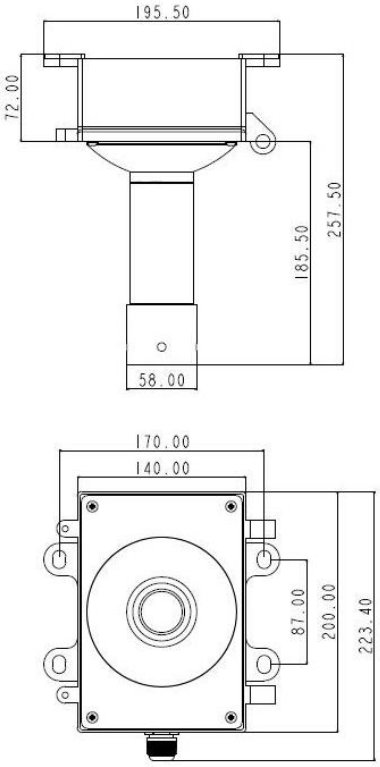
Model No.	Name	Details
GV-Mount914	**In-Ceiling Mounting Kit for GV-VD Series (II)** 	**Dimensions** Ø222 x 86 mm / Ø 8.74 x 3.39 in **Weight** 705 g / 1.55 lb
GV-Mount915	**In-Ceiling Mounting Kit for GV-EFD2101 / 3101 / 5101** 	**Dimensions** Ø172.5 x 63.8 mm / Ø 7.04 x 2.5 in **Weight** 424 g / 0.935 lb
GV-Mount916	**In-Ceiling Mounting Kit for GV-EVD2100 / 3100 / 5100** 	**Dimensions** Ø205 x 63.8 mm / Ø 8 x 2.5 in **Weight** 645 g / 1.42 lb
GV-Mount917	**GV-EFD2101 / 3101 / 5101 Dome Housing** 	**Dimensions** Ø186 x 97.5 mm / Ø 7.3 x 3.8 in **Weight** 948 g / 2.09 lb

Model No.	Name	Details
GV-Mount918	**Wall Mount Bracket** 	**Dimensions** 145 x 117 x 96 mm / 5.71 x 4.60 x 3.78 in **Weight** 350 g / 0.77 lb
GV-Housing101 / 102	**Housing Box** 	**Dimensions** 406 x 145 x 109 mm / 16 x 5.7 x 4.3 in **Weight** 4.69 kg / 10.34 lb (Including Supporting Tube) **Operation** Ingress Protection (IP67) Vandal Resistance (IK10) Start-up Temperature: -30°C ~ 50°C / -22°F ~ 122°F Operation Temperature: -40°C ~ 50°C / -40°F ~ 122°F Heater: 15°C On / 25°C Off Fan: 35°C On / 25°C Off Power Board: 24V AC / 12V DC input
GV-Housing103	**Housing Box** 	**Dimensions** 404 x 128 x 257 mm / 15.91x 5.04 x 10.12 in **Weight** 7 kg / 15.43 lb **Operation** Ingress Protection (IP67) Vandal Resistance (IK10 for mental casing) Start-up Temperature: -20°C ~ 50°C / -4°F ~ 122°F Operation Temperature: -30°C ~ 50°C / -22°F ~ 122°F Power: 12V DC, 1A input

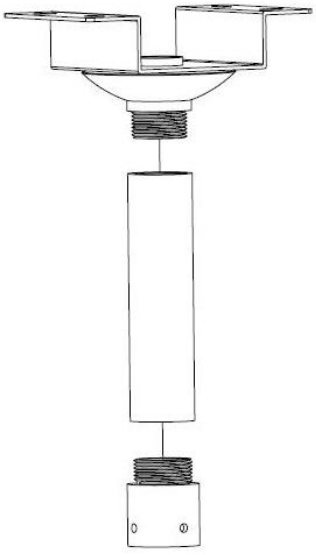
1.2 Dimensions

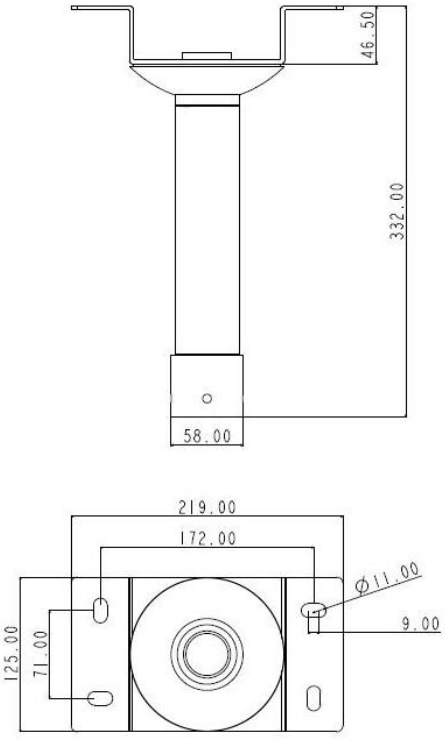
- **GV-Mount100 unit: mm**



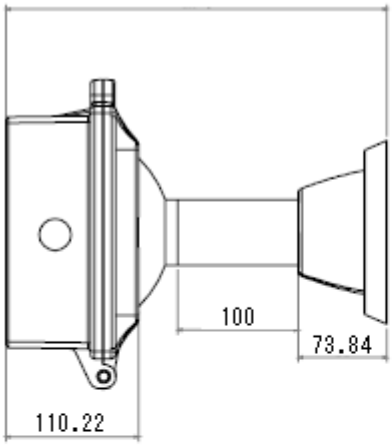


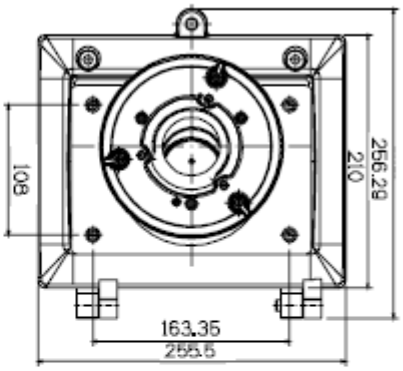
- **GV-Mount101 unit: mm**

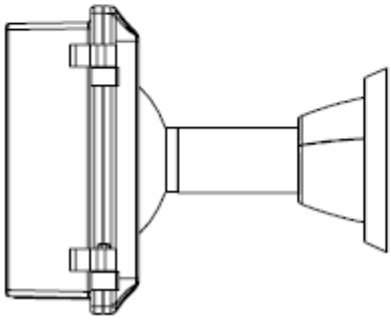


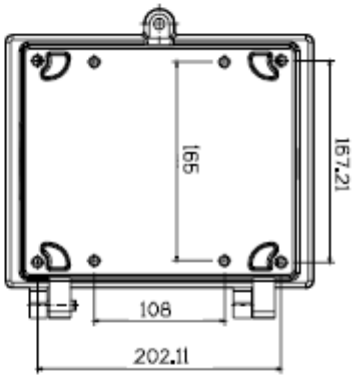


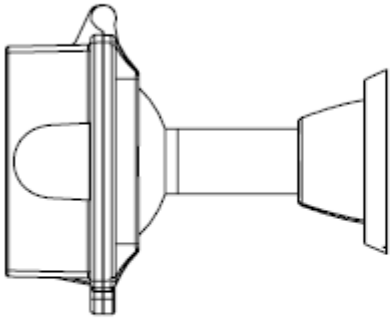
- **GV-Mount102 unit: mm**

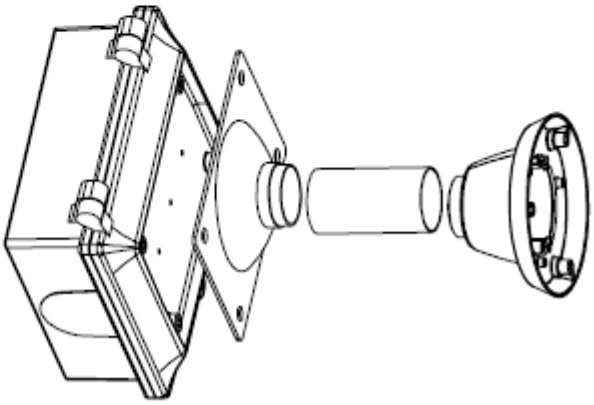




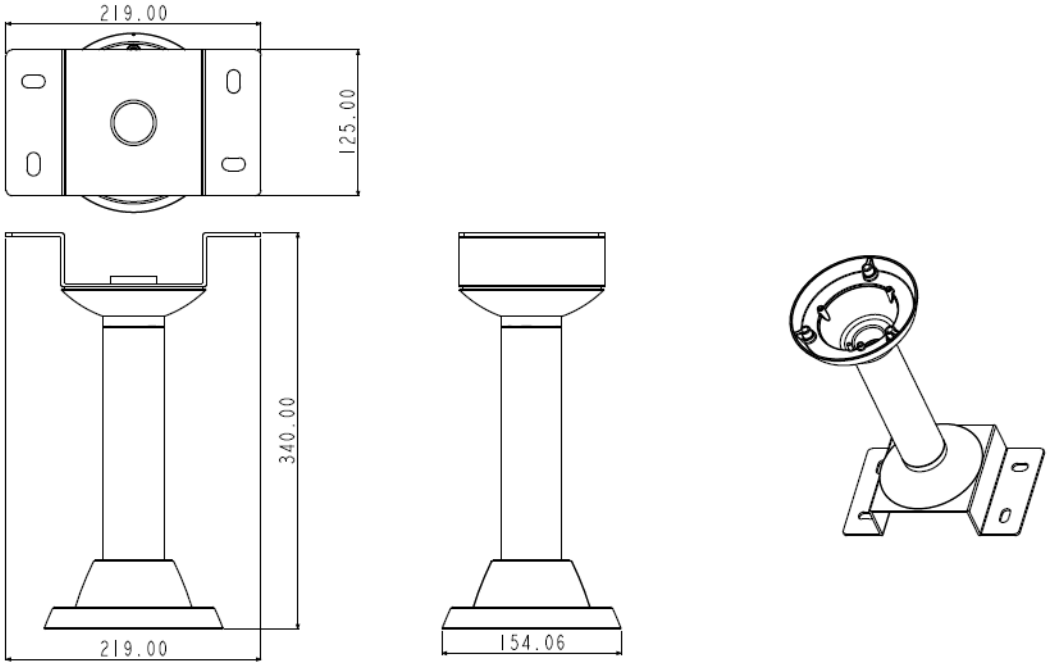




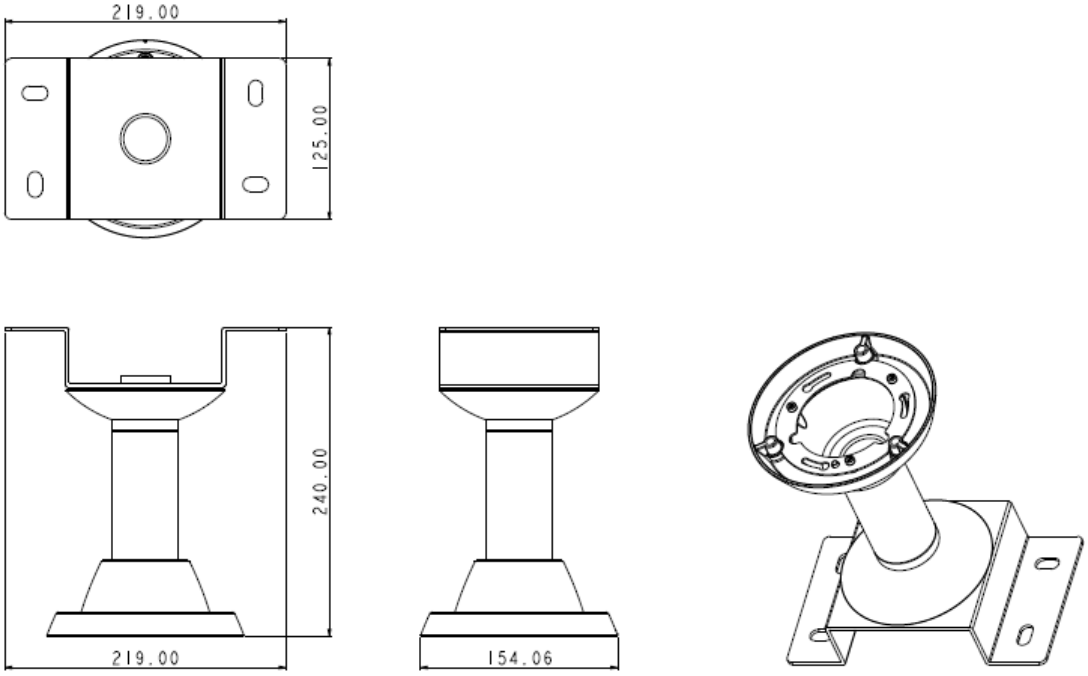




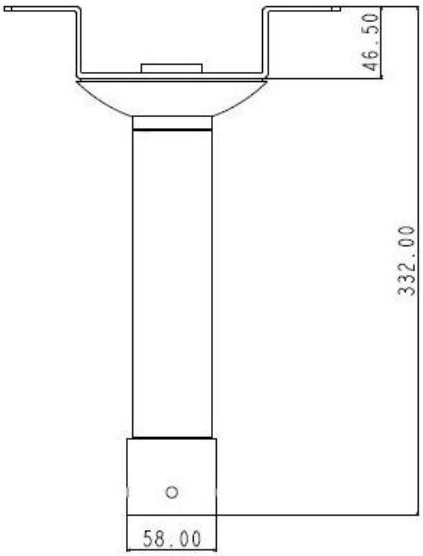
- **GV-Mount103 unit: mm**

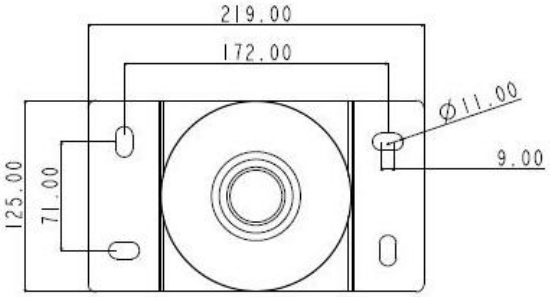


- **GV-Mount103-1 unit: mm**

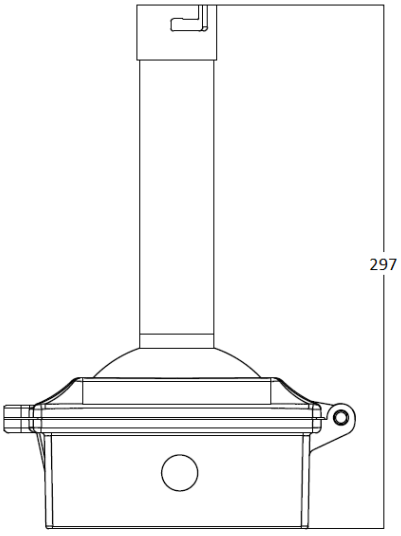


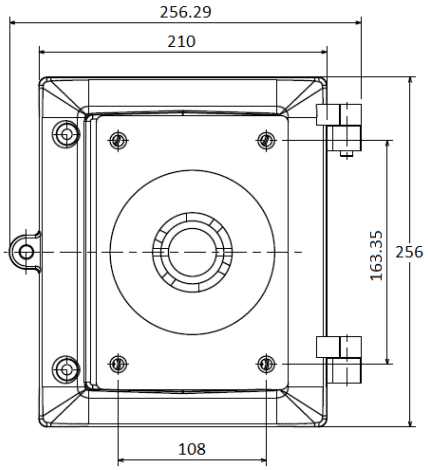
- **GV-Mount104 / 104-1 unit: mm**

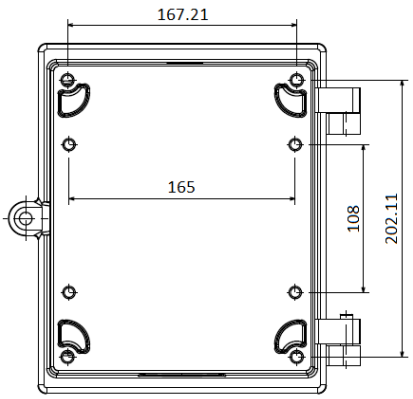




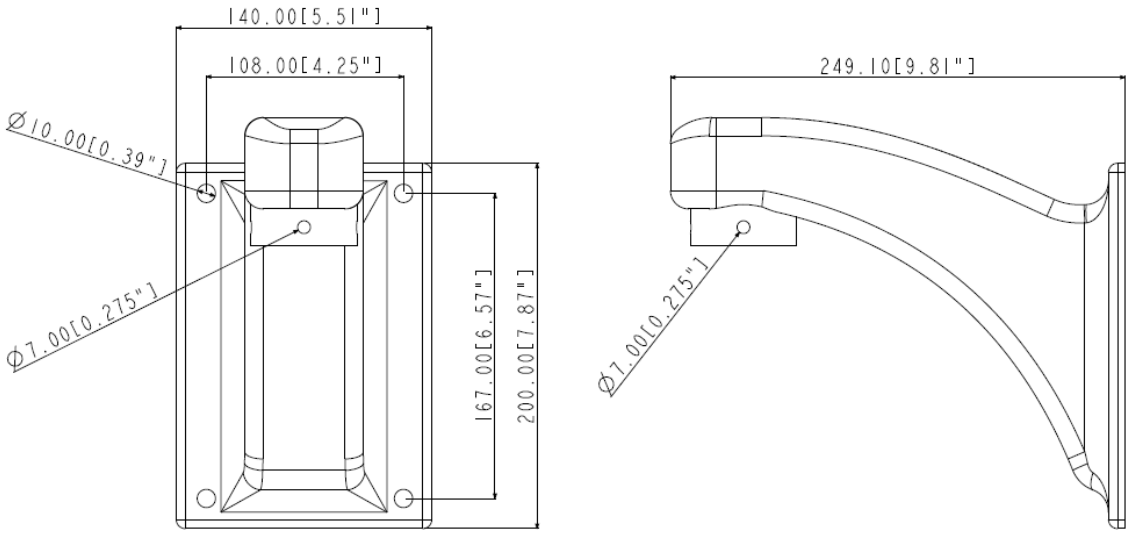
- **GV-Mount105 / 105-1 unit: mm**



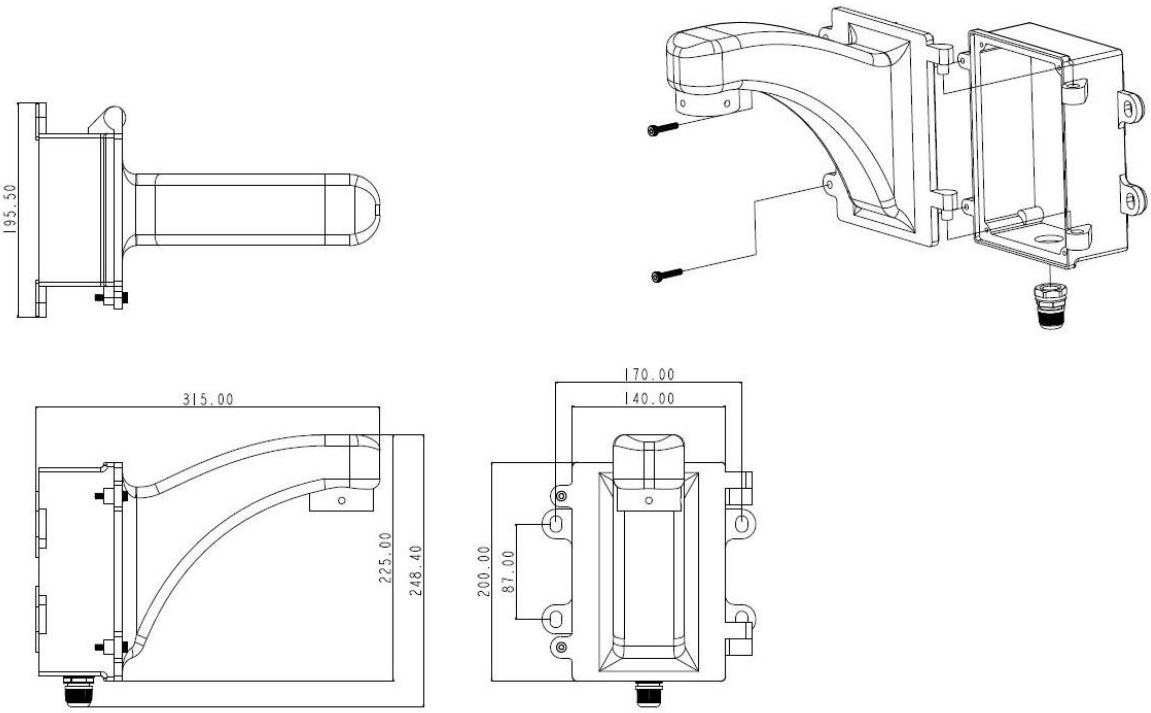




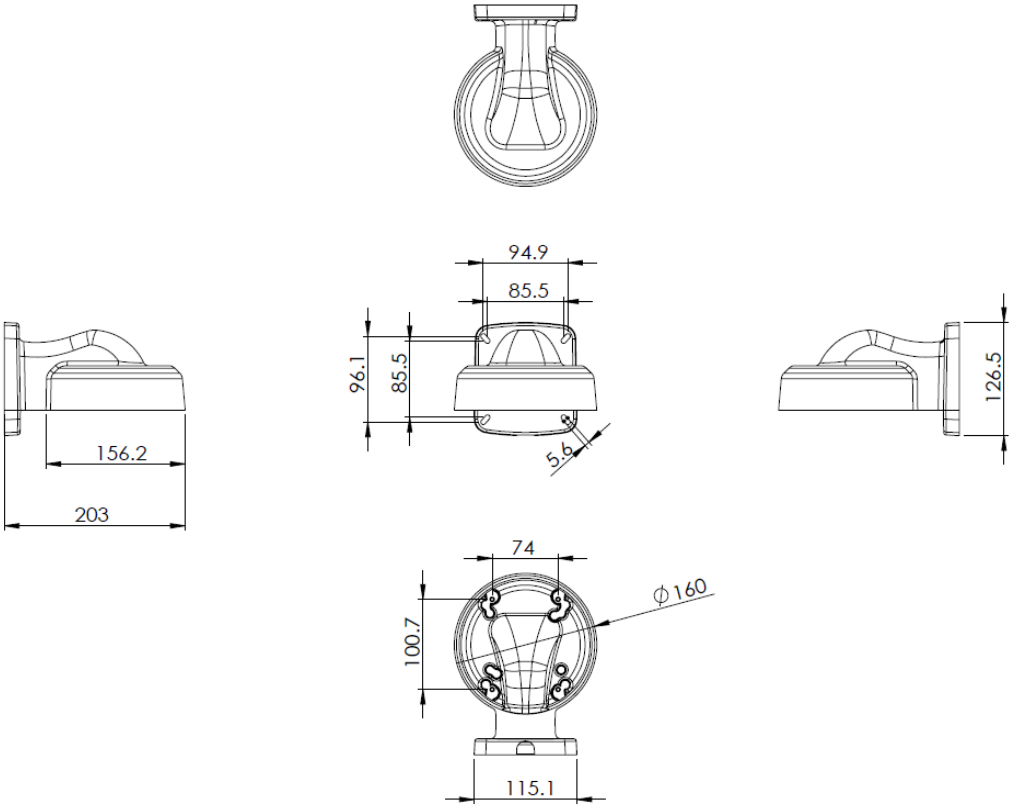
- **GV-Mount200 unit: mm**



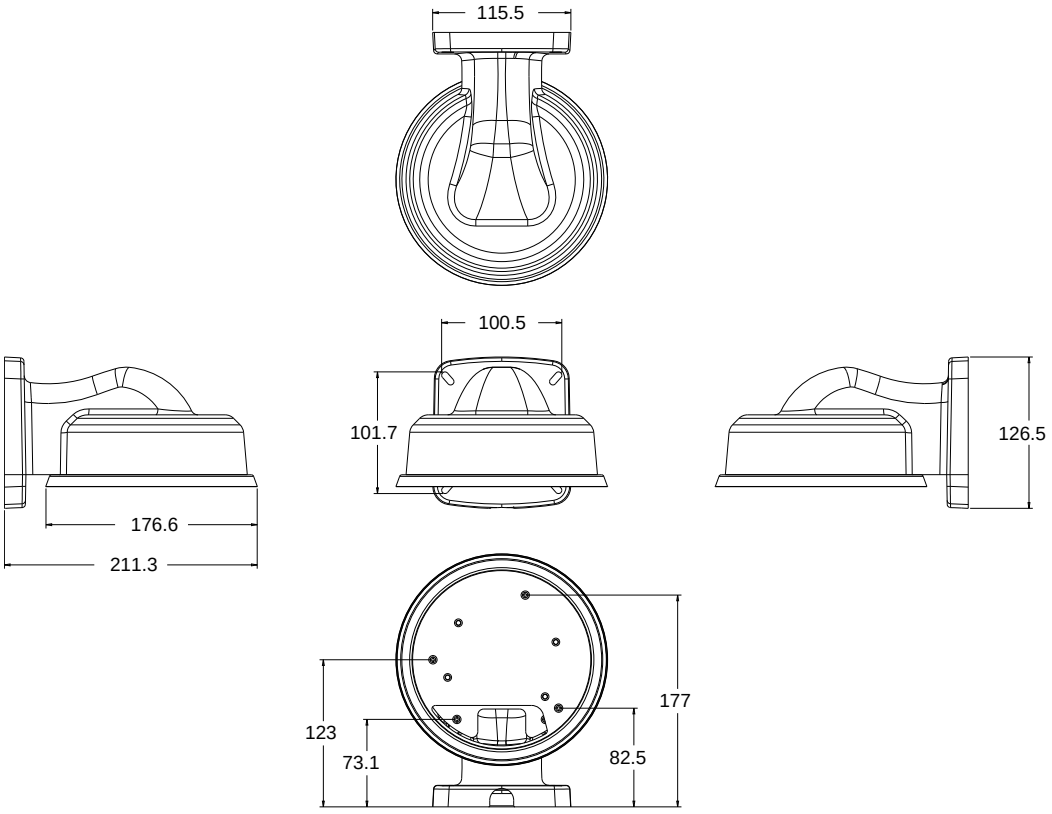
- **GV-Mount203 unit: mm**



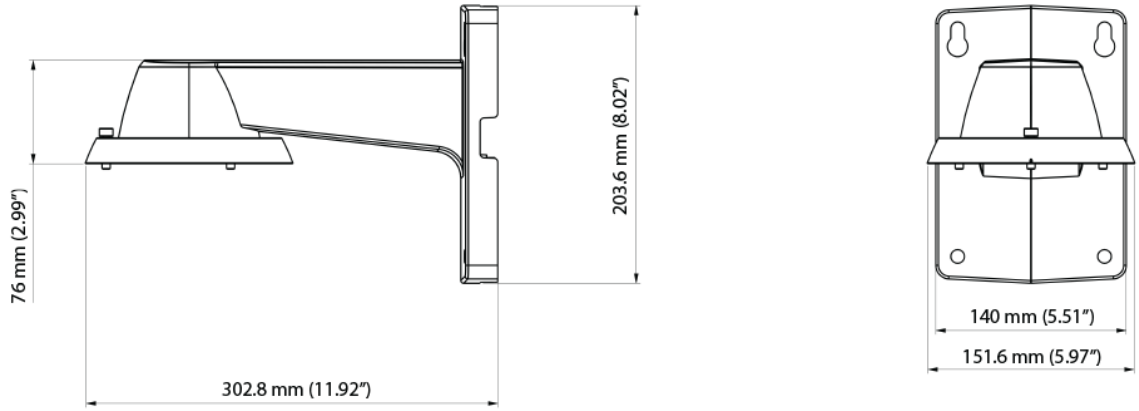
- **GV-Mount205 unit: mm**



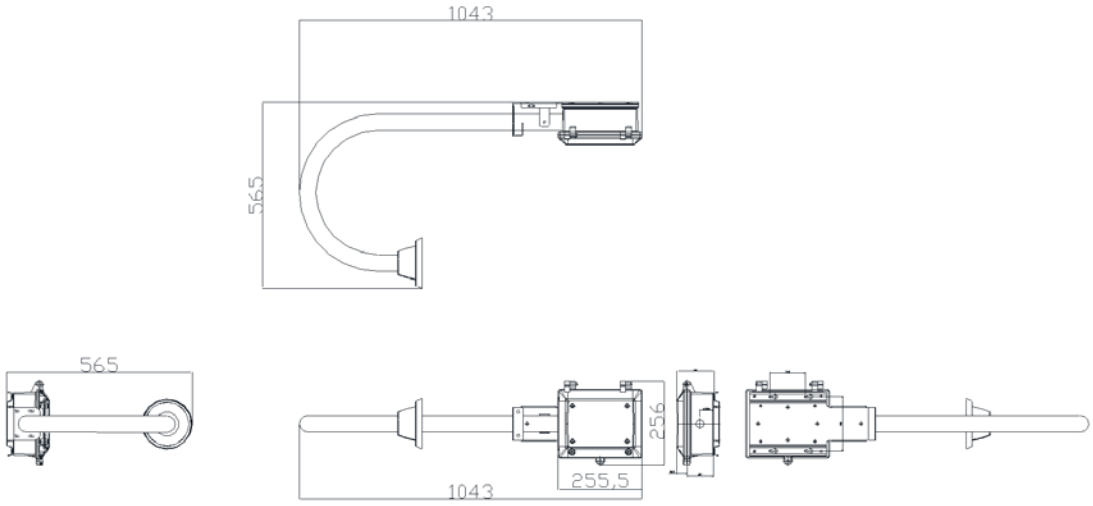
- **GV-Mount206 / 206-1 unit: mm**



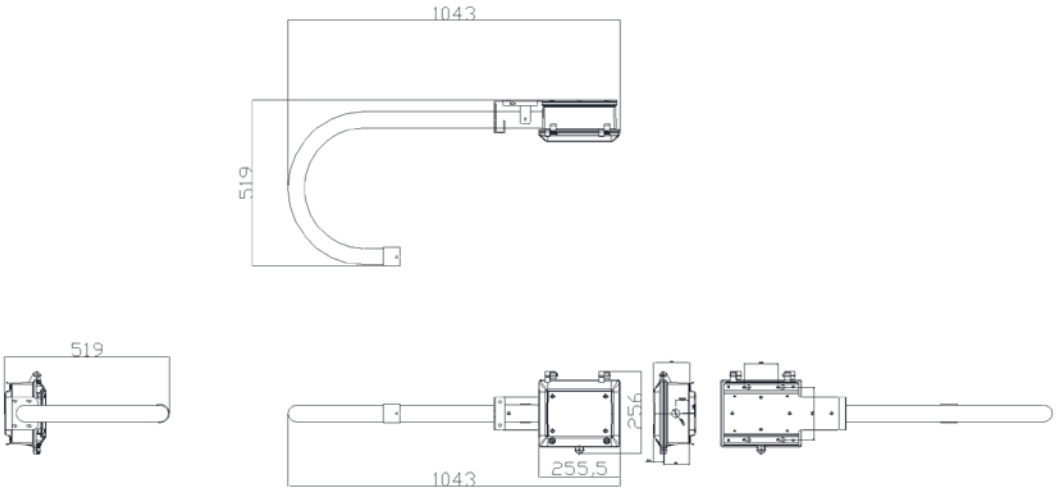
- **GV-Mount207**



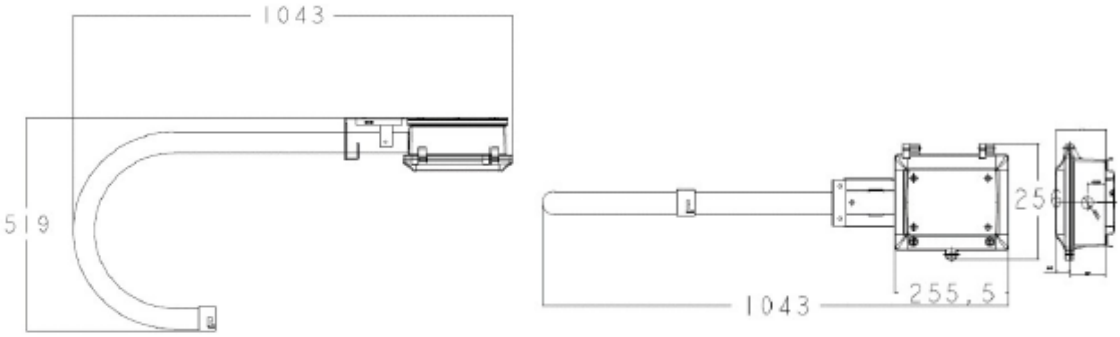
- **GV-Mount208-1 unit: mm**



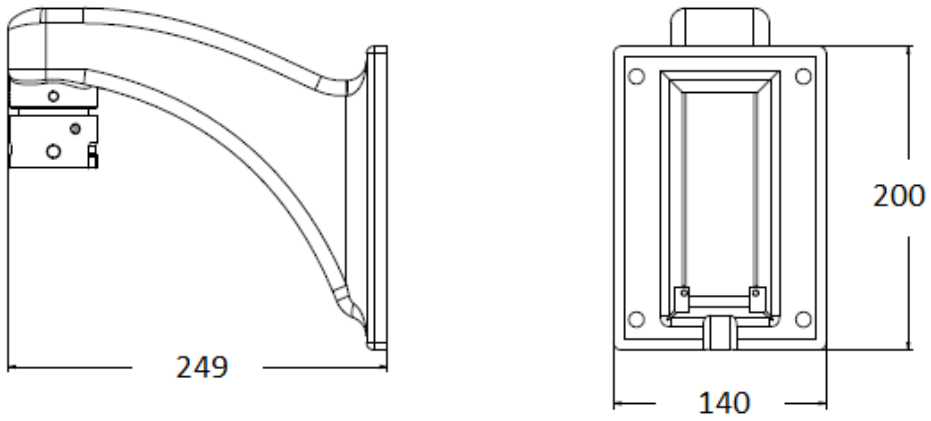
- **GV-Mount208-2 unit: mm**



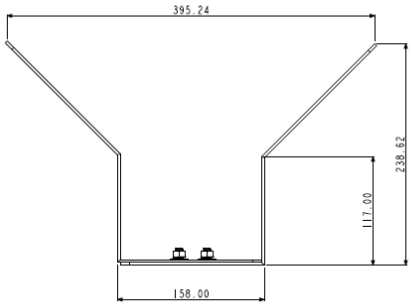
- **GV-Mount208-3 / 208-4 unit: mm**

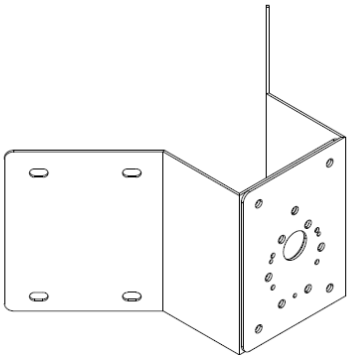


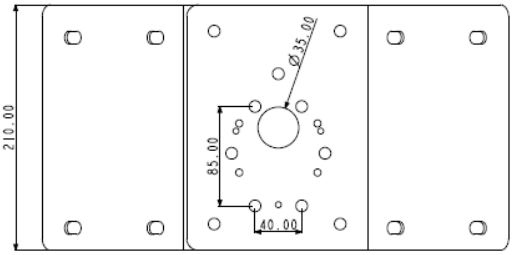
- **GV-Mount210 / 210-1 unit: mm**

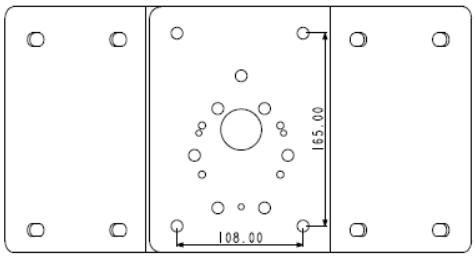


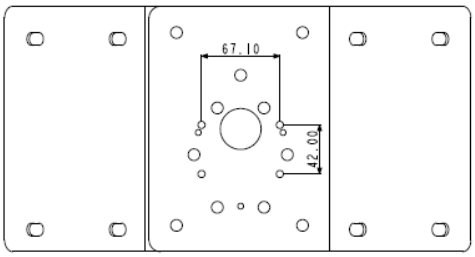
- **GV-Mount300-1**

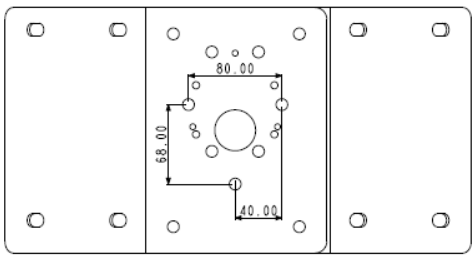




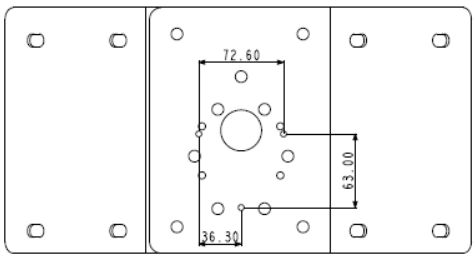




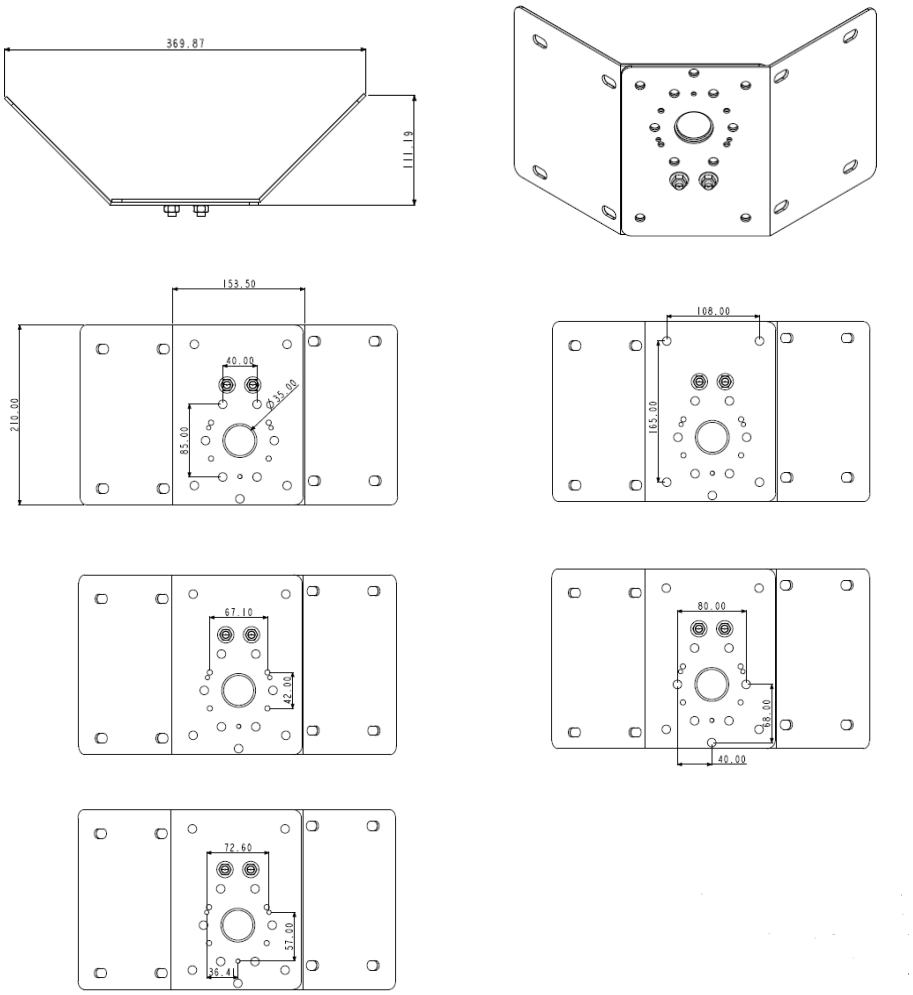




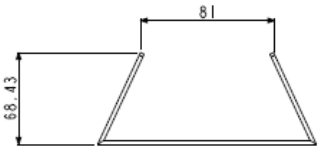
GV-Housing103

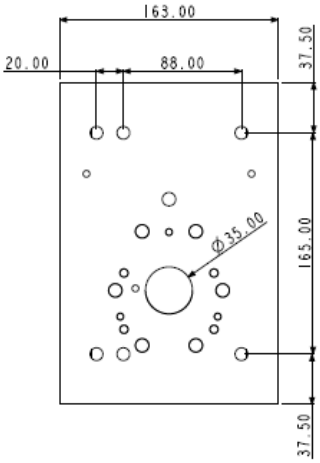


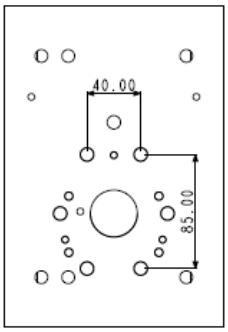
- **GV-Mount310-1 unit: mm**

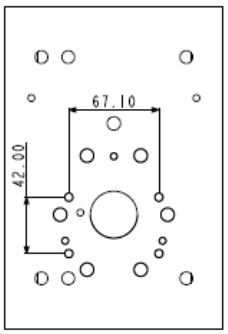


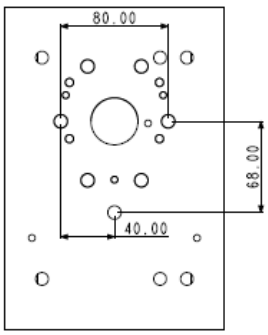
- **GV-Mount400-1 / GV-Mount410-1 unit: mm**

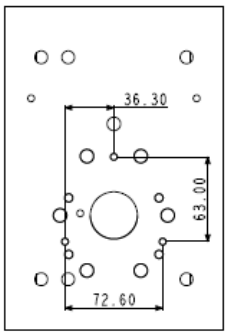


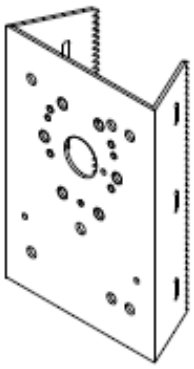




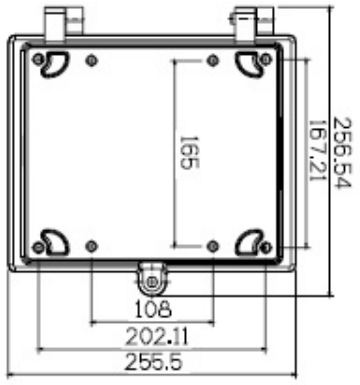


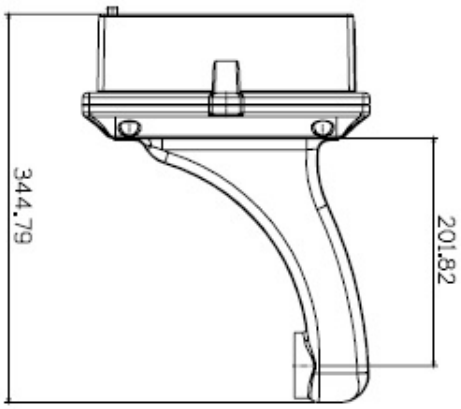


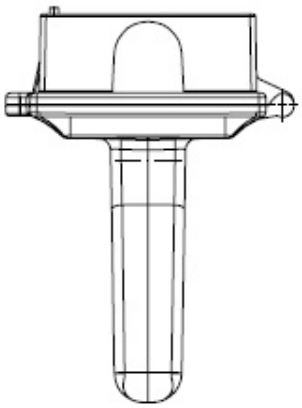


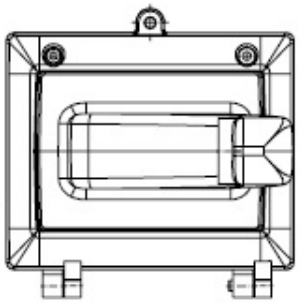


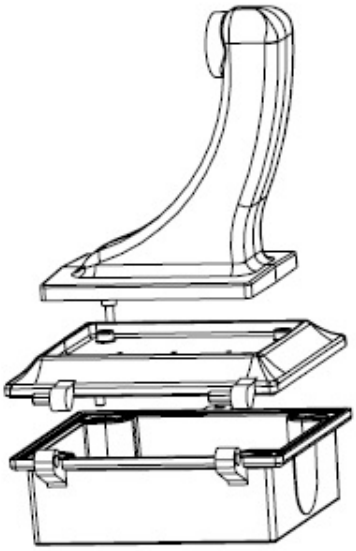
- **GV-Mount501 unit: mm**



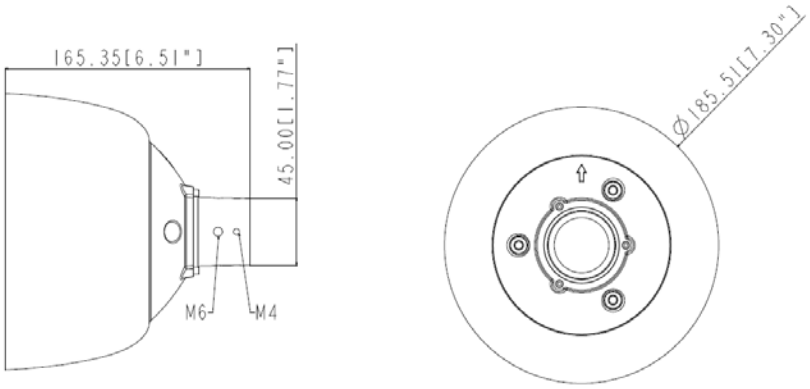




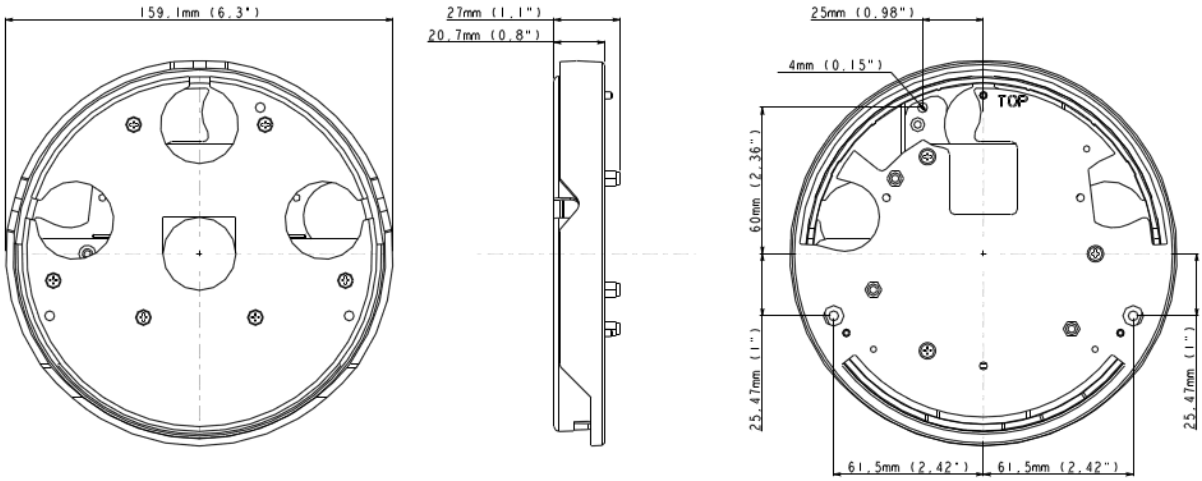




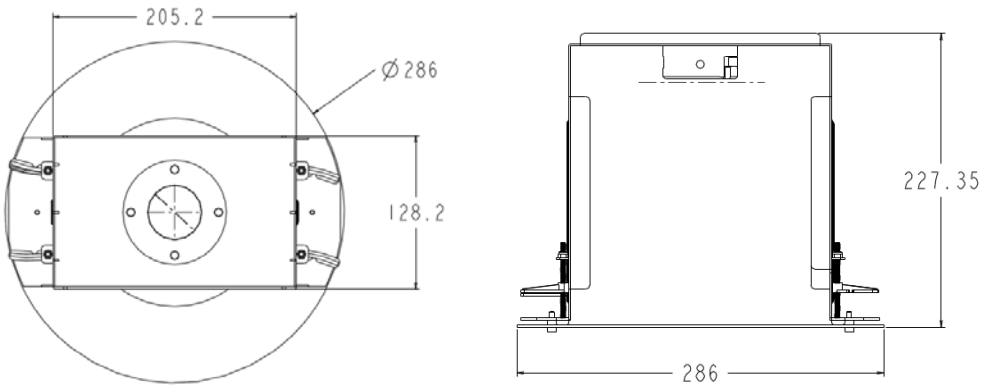
- **Mount902 / Mount903-1 / Mount903-2 / Mount917 unit: mm**



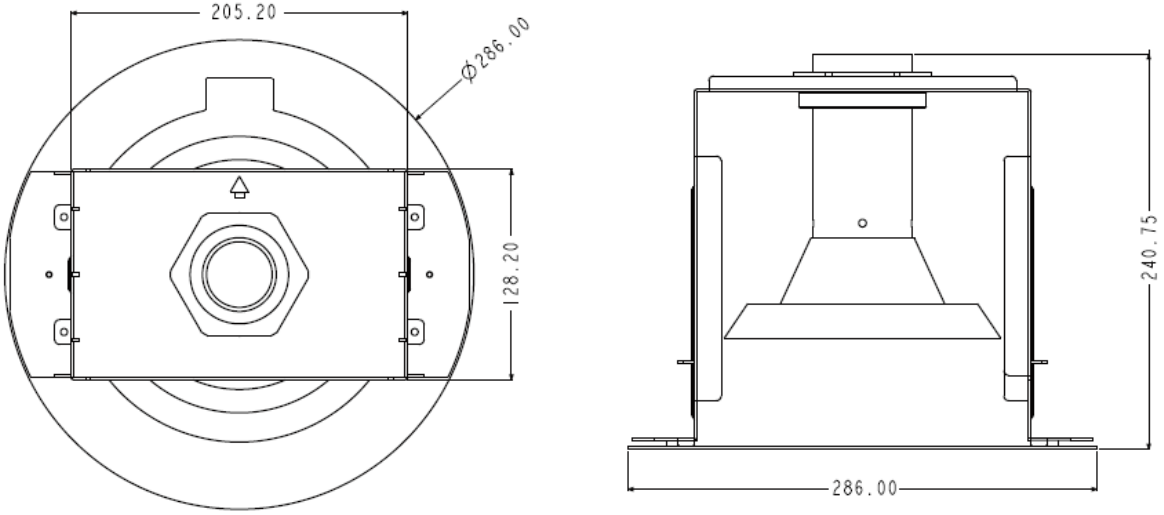
- **GV-Mount904-1 / 904-2**



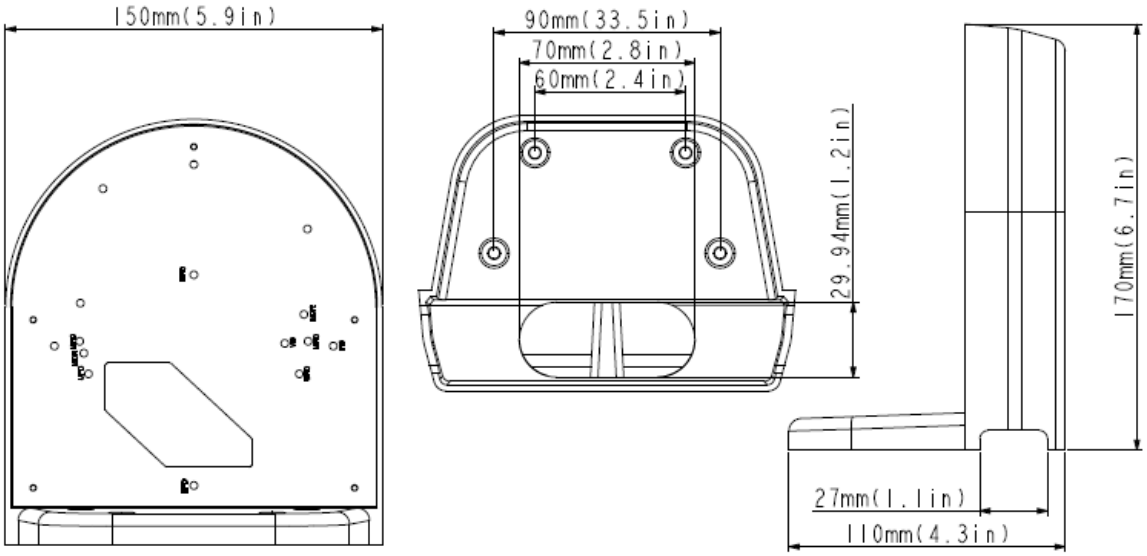
- **GV-Mount908 / 908-2 unit: mm**



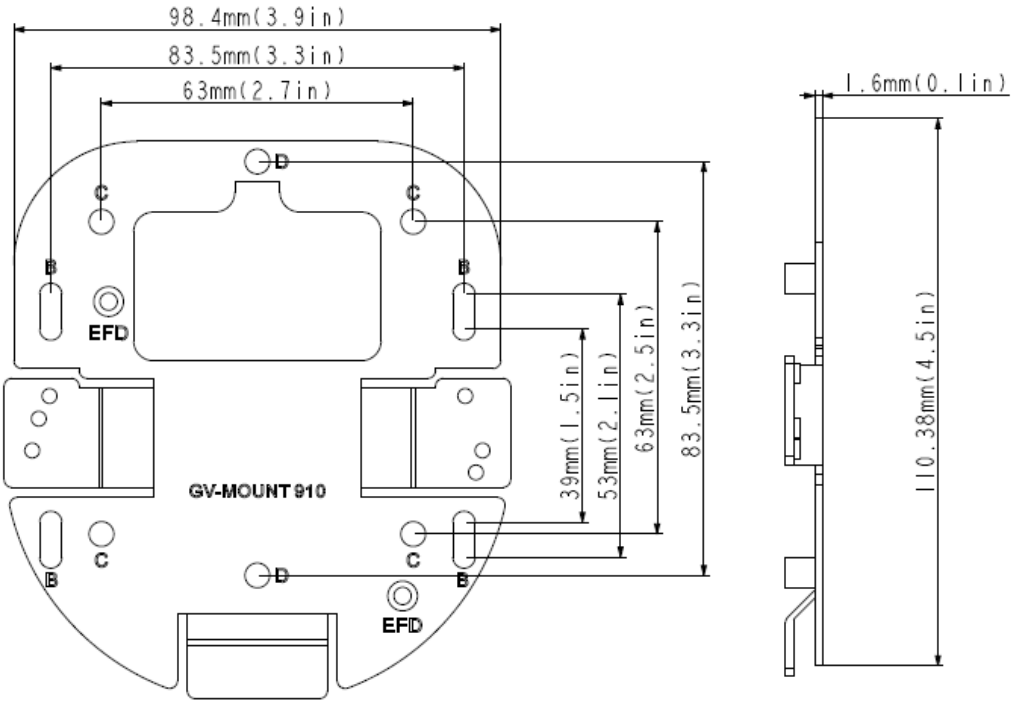
- **GV-Mount908-3 unit: mm**



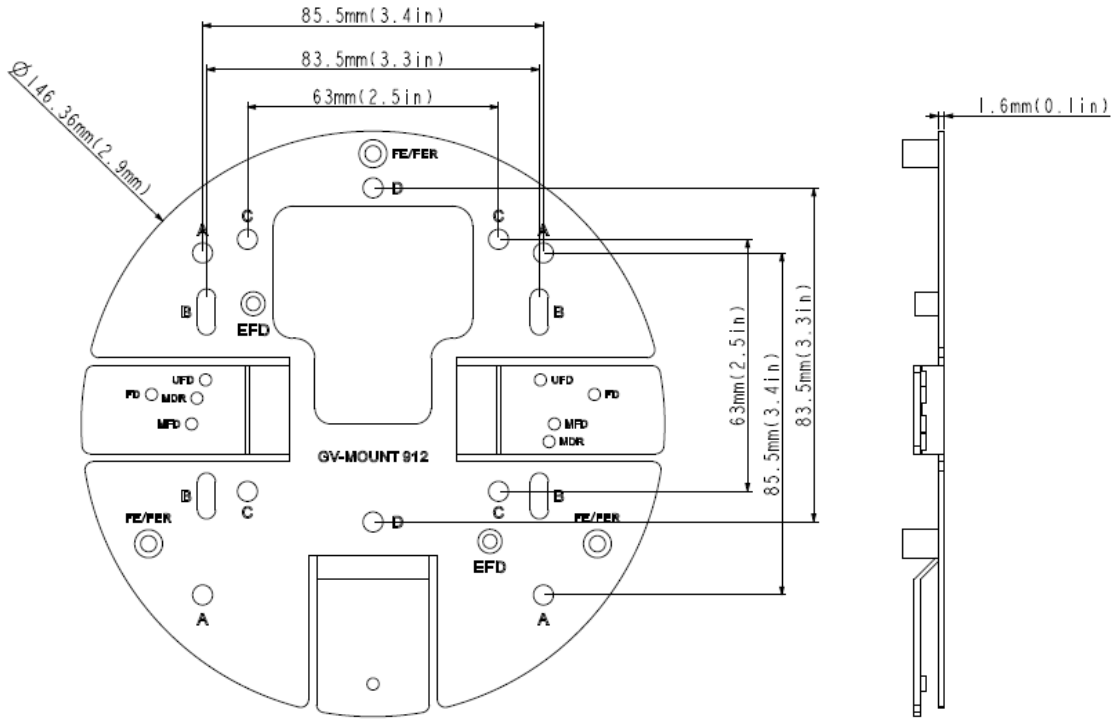
- **GV-Mount909**



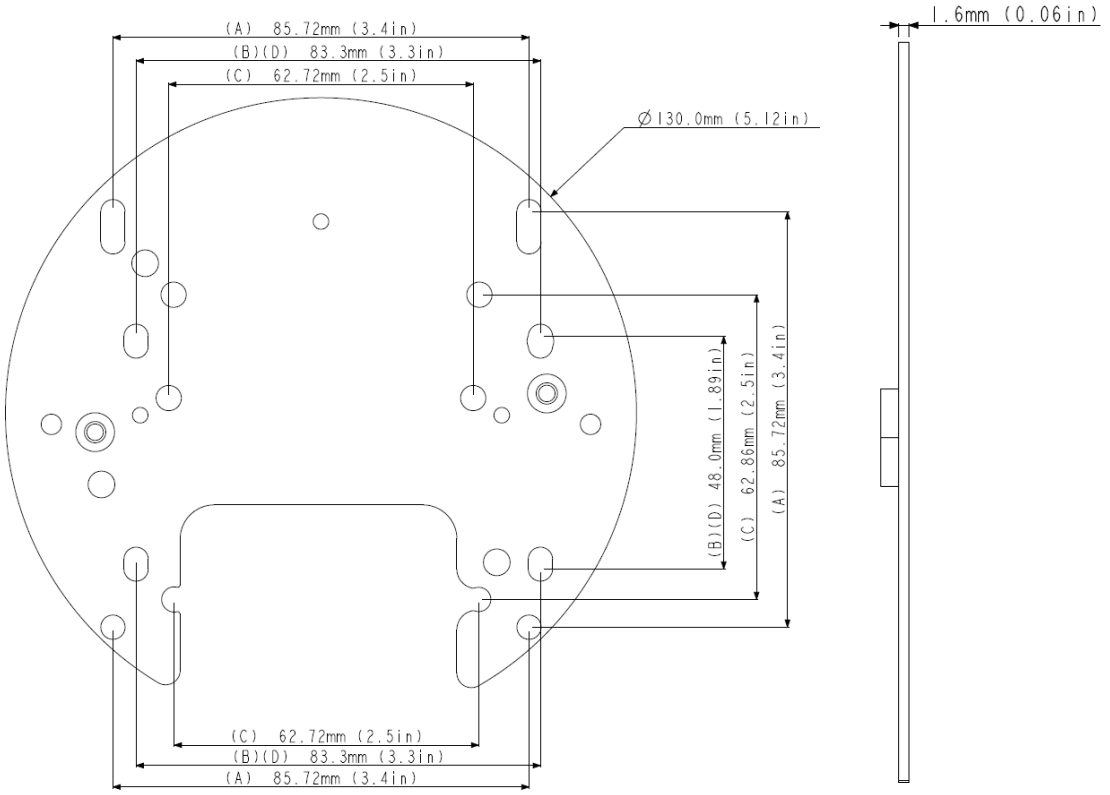
- **GV-Mount910**



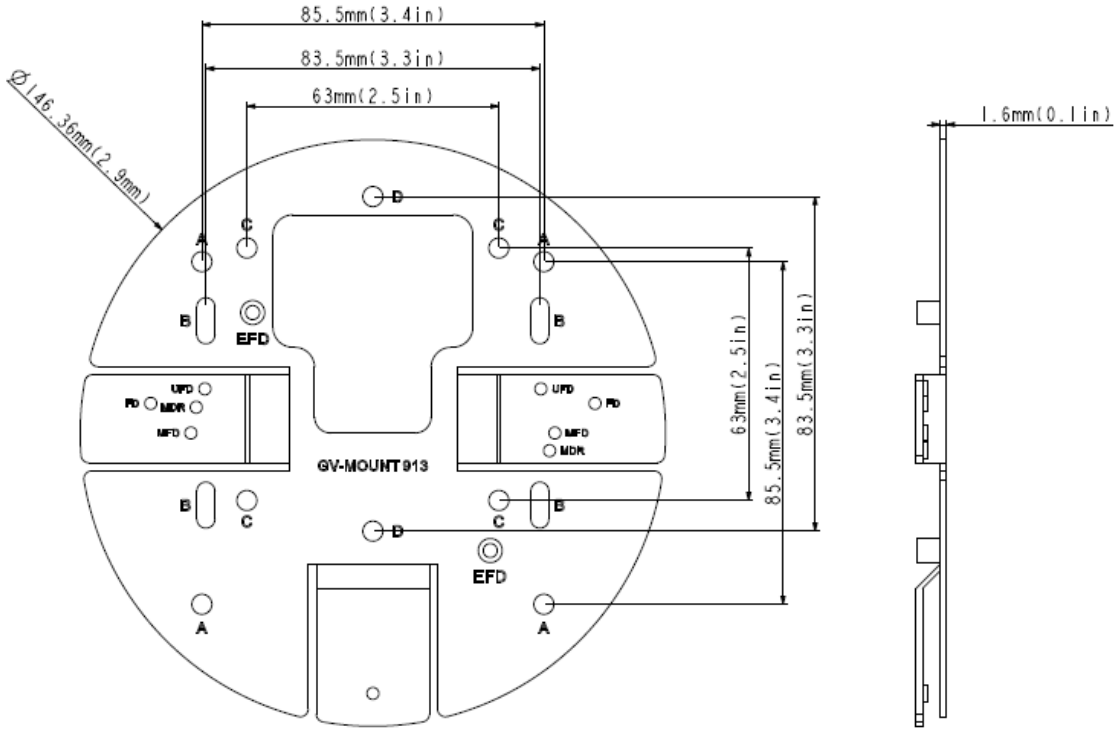
- **GV-Mount912**



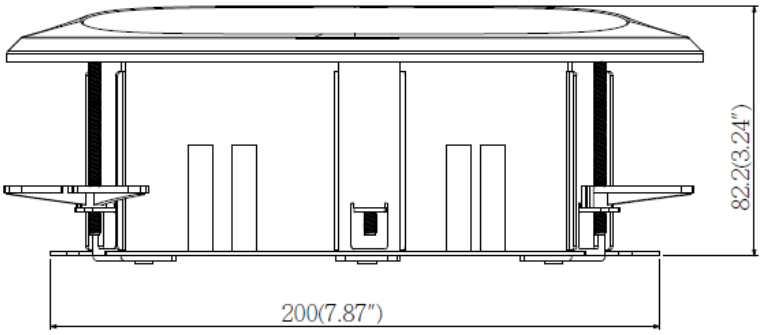
- **GV-Mount912-1**

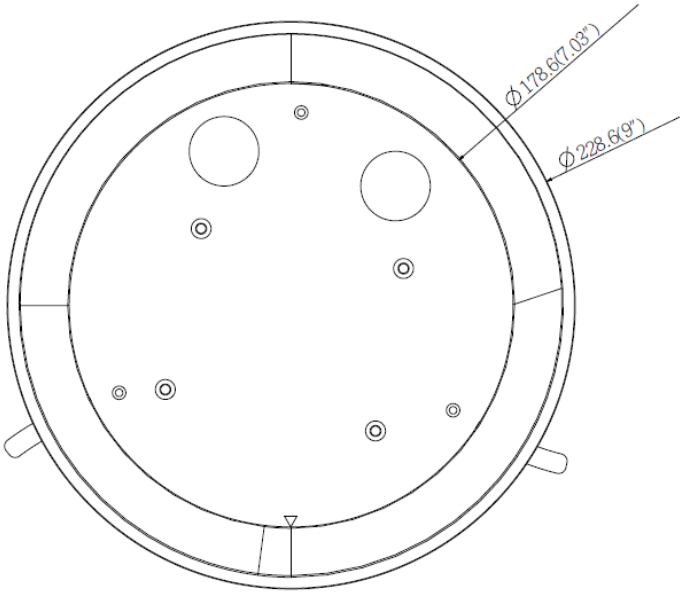


- **GV-Mount913**

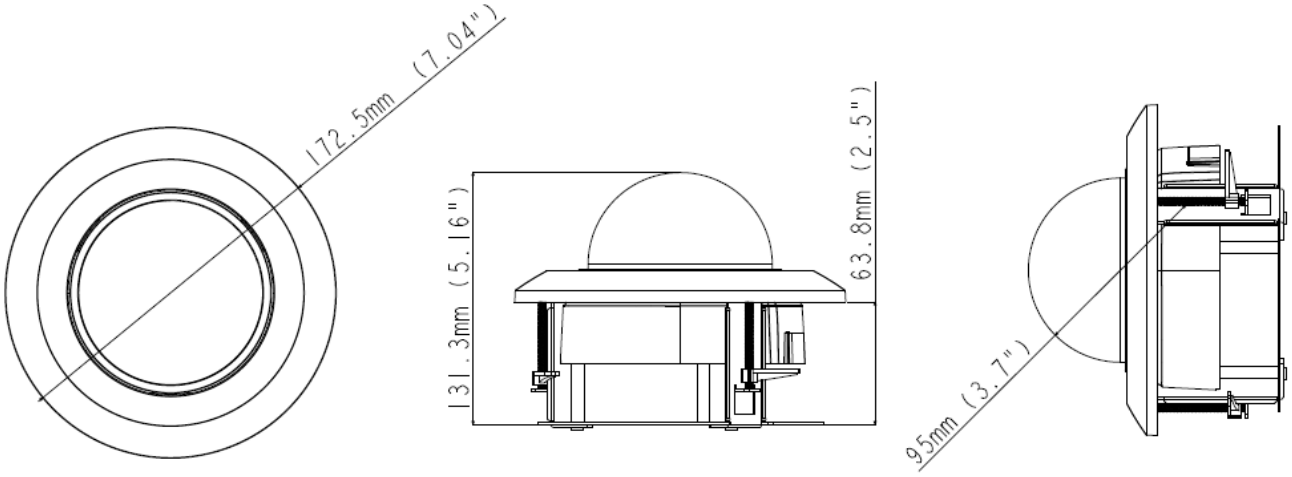


- **GV-Mount914 unit: mm**

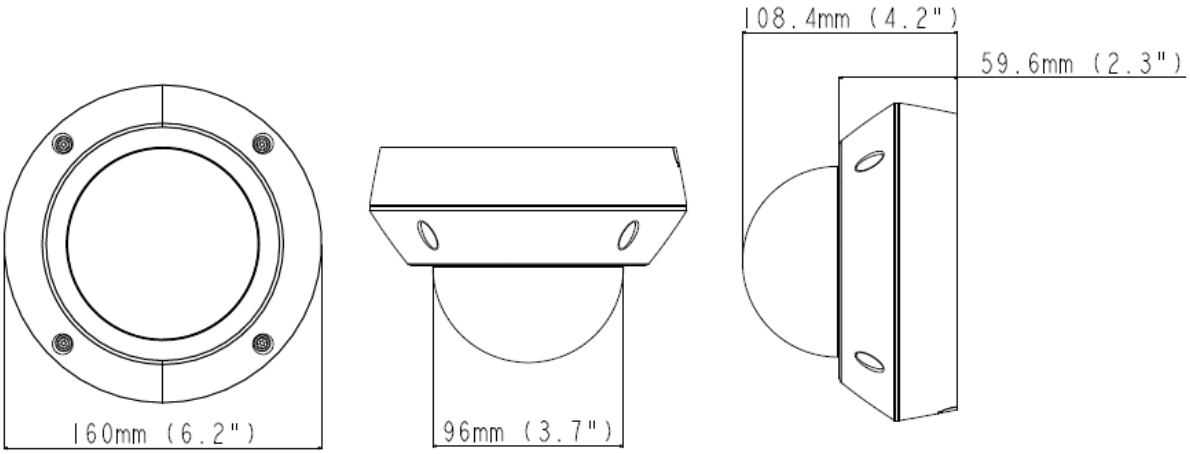




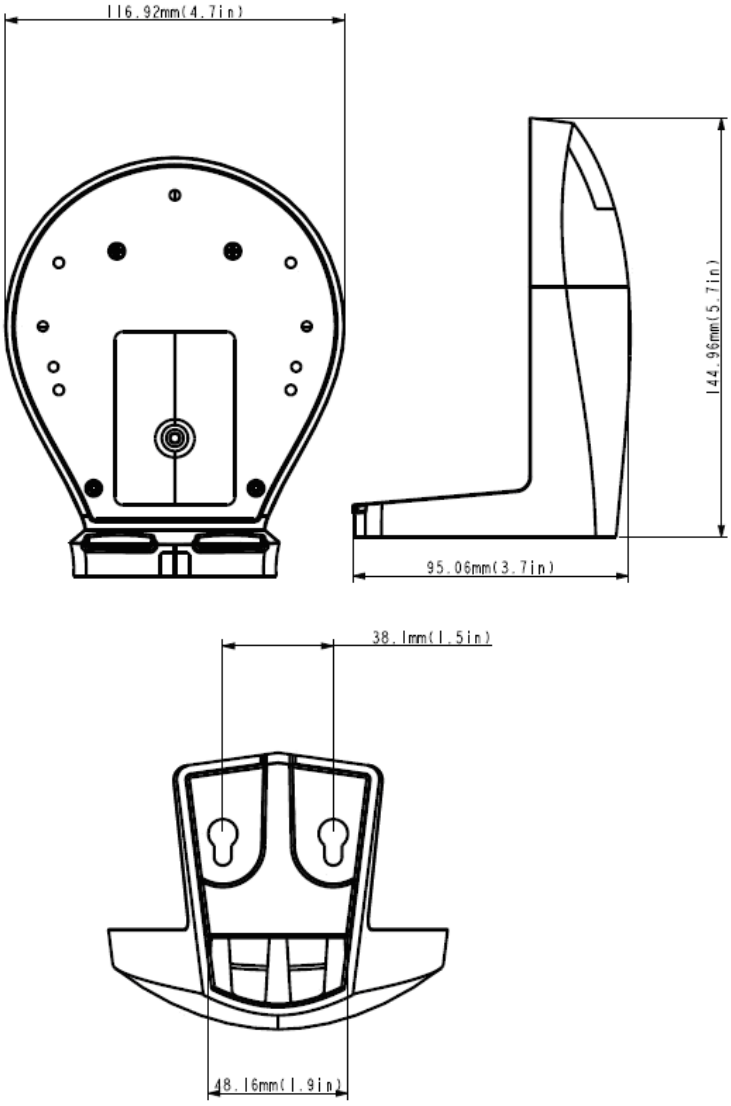
- **GV-Mount915**



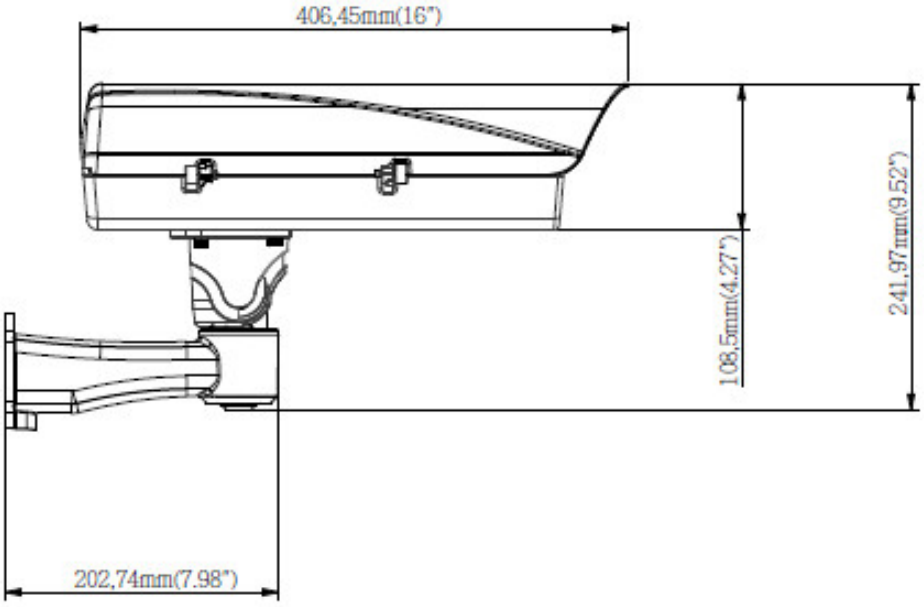
- **GV-Mount916**

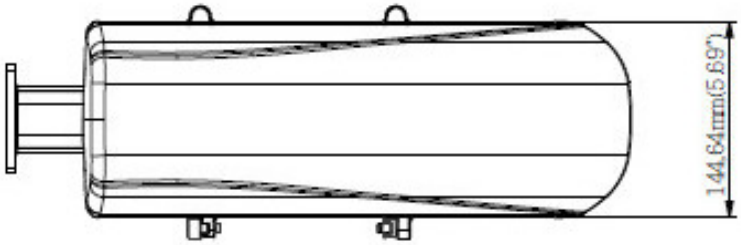


- **GV-Mount918**

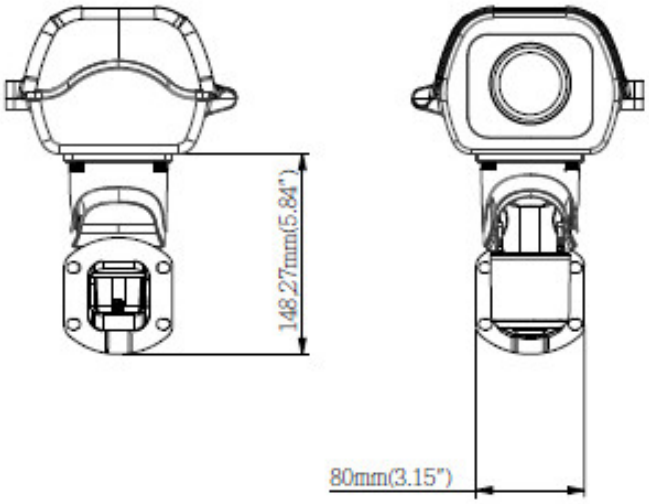


- **GV-Housing101 / 102**

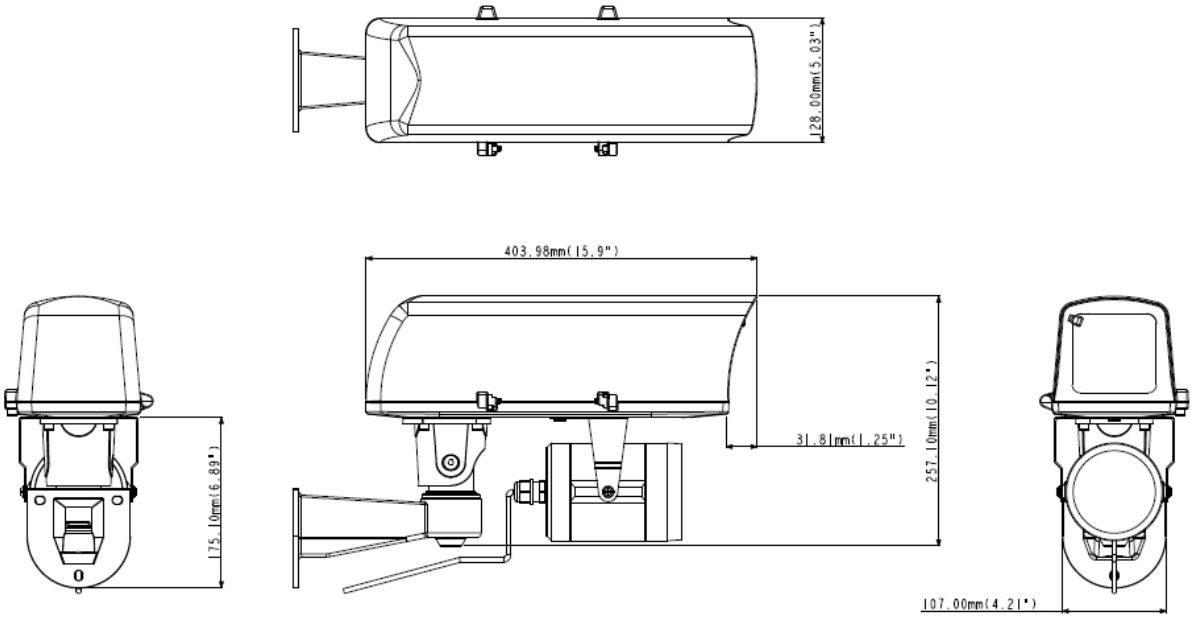




Supporting Tube



- **GV-Housing103**



1.3 Packing Lists

- **GV-Mount100**

1. Junction Box 	2. Box Cover 
3. Tube 	4. Tube Connector 
5. M5 Flat Screw x 4 	6. Corrugated Tube Connector 
7. No. 2 Hex Key 	

- **GV-Mount101**

1. Mounting Bracket 	2. Tube 
3. Tube Connector 	4. No. 2 Hex Key 

- **GV-Mount102**

1. Junction Box 	2. Box Cover 
3. Supporting Plate 	4. Box Cover Plate 
5. Mounting Cap 	6. Tube 
7. No. 5 Hex Key 	8. No. 2 Hex Key 
9. No. 6 Hex Key 	10. M8 (16 mm) Screw x 4 
11. M8 (20 mm) Screw x 4 	12. Waterproof Rubber 

- **GV-Mount103 / 103-1**

1. Mounting Bracket 	2. Mounting Cap 
3. Tube 	4. No. 2 Hex Key 

- **GV-Mount104 / 104-1**

1. Mounting Bracket 	2. Connecting Tube  GV-Mount104  GV-Mount104-1
3. Tube 	4. No. 2 Hex Key 
5. Screw x 2 	6. Anti-drop Safety Ring 

- **GV-Mount105 / 105-1**

1. Junction Box 	2. Box Cover 
3. Supporting Plate 	4. Box Cover Plate 
5. Connecting Tube   GV-Mount105 GV-Mount105-1	6. Tube 
7. No. 5 Hex Key 	8. No. 2 Hex Key 
9. No. 6 Hex Key 	10. M8 (16 mm) Screw x 4 
11. M8 (20 mm) Screw x 4 	12. Waterproof Rubber A 
13. Waterproof Rubber B 	14. Screw x 2 

15. Anti-Drop Safety Ring 	

- **GV-Mount200**

1. Wall Pendant Mount 	

- **GV-Mount203**

1. Junction Box 	2. Wall Pendant Mount 
3. M5 Screw x 2 	4. Corrugated Tube Connector 
5. No.5 Hex Key 	

- **GV-Mount205**

Wall Box Mount 	1. Mounting Plate 
2. Housing Plate 	3. M4 Screw (8 mm) x 15 
4. M4 Screw (40 mm) x 4 	5. Screw Anchor x 4 
6. M4.5 Plain Washer x 4 	7. M4 Split Washer x 4 

Note: Installation of GV-Mount205 does not require all 15 M4 screws (8 mm) to be used. GV-FD Series and GV-FE Series need 10 M4 screws, while GV-VD Series need 11 M4 screws for installation. The GV-VD Series that GV-Mount205 can be applied to are GV-VD120D / 121D / 122D / 123D / 220D / 221D / 222D / 223D / 320D / 321D / 322D / 323D / 1500 / 2400 / 2500 / 3400.

- **GV-Mount206 / 206-1**

1. Wall Box Mount 	2. Mounting Plate 
3. Housing Plate 	4. M4 Screw (8 mm) x 15 
5. M4 Screw (40 mm) x 4 	6. Screw Anchor x 4 
7. M4.5 Plain Washer x 4 	8. M4 Split Washer x 4 
9. GV-Mount912-1 (For GV-Mount206-1) 	10. M4 Screw (18 mm) x 2 (For GV-Mount206-1) 
11. M3 Screw (8 mm) x 4 (For GV-Mount206-1) 	

Note: Installation of GV-Mount206 / 206-1 does not require all 15 M4 screws (8 mm) to be used. Only 11 M4 screws are needed for installation. The GV-VD Series that GV-Mount205 can be applied to are GV-VD1530 / 1540 / 1540-E / 2430 / 2440 / 2440-E / 2530 / 2540 / 2540-E / 3430 / 3440 / 3440-E / 5340 / 5340-E.

- **GV-Mount207**

1. Wall Pendant Mount 	

- **GV-Mount208-1**

1. No. 2 Hex Key 	2. No.3 Hex Key 
3. No. 5 Hex Key 	4. No. 6 Hex Key 
5. Swan Neck Stainless Tube 	6. M3 Washer (8 mm) x 2 
7. Junction Box 	8. Tube Connector 

- **GV-Mount208-2**

1. No. 2 Hex Key 	2. No.3 Hex Key 
3. No. 5 Hex Key 	4. No. 6 Hex Key 
5. Swan Neck Stainless Tube 	6. M3 Washer (8 mm) x 2 
7. Junction Box 	8. Tube Connector 

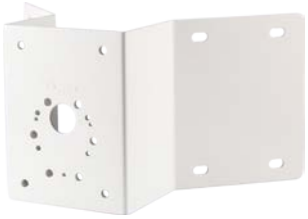
- **GV-Mount208-3 / 208-4**

<table>
<tr><td>1. No. 2 Hex Key
</td><td>2. No.3 Hex Key
</td></tr>
<tr><td>3. No. 5 Hex Key
</td><td>4. No. 6 Hex Key
</td></tr>
<tr><td>5. Swan Neck Stainless Tube
</td><td>6. Junction Box
</td></tr>
<tr><td>7. Screw x 2
</td><td>8. Connecting Tube
 
GV-Mount208-3 GV-Mount208-4</td></tr>
<tr><td colspan="2">9. Anti-drop Safety Ring
</td></tr>
</table>

- **GV-Mount210 / 210-1**

1. Wall Pendant Tube 	2. Screw x 2 
3. M5 Hex Key 	4. Connecting Tube   GV-Mount210 GV-Mount210-1

- **GV-Mount300-1**

1. Mounting Plate x 2 	2. M8 Screw (30 mm) x 4 
3. M8 Screw (25 mm) x 4 	4. M8 Plain Washer x 6 
5. M8 Split Washer x 6 	6. M8 Screw Cap x 6 
7. M5 Screw (20 mm) x 4 	8. M5 Plain Washer x 4 
9. M5 Split Washer x 4 	10. M5 Screw Cap x 4 
11. M8 Screw (45 mm) x 4 for GV SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR 	

- **GV-Mount310-1**

<table>
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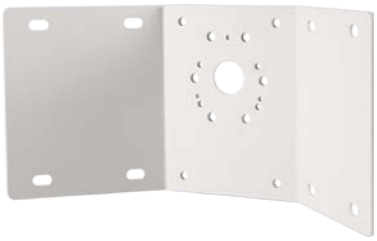
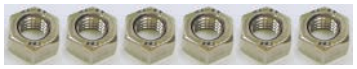
</td><td>2. M8 Screw (30 mm) x 4
</td></tr>
<tr><td>3. M8 Screw (25 mm) x 4
</td><td>4. M8 Plain Washer x 6
</td></tr>
<tr><td>5. M8 Split Washer x 6
</td><td>6. M8 Screw Cap x 6
</td></tr>
<tr><td>7. M5 Screw (20 mm) x 4
</td><td>8. M5 Plain Washer x 4
</td></tr>
<tr><td>9. M5 Split Washer x 4
</td><td>10. M5 Screw Cap x 4
</td></tr>
<tr><td colspan="2">11. M8 Screw (45 mm) x 4 for GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR
</td></tr>
</table>

- **GV-Mount400-1**

1. Mounting Bracket 	2. Stainless Steel Strap (Ø4 ~ 6 in) x 3 
3. M8 Screw (30 mm) x 4 	4. M8 Screw (25 mm) x 4 
5. M8 Plain Washer x 4 	6. M8 Split Washer x 4 
7. M8 Screw Cap x 4 	8. M5 Screw (20 mm) x 4 
9. M5 Plain Washer x 4 	10. M5 Split Washer x 4 
11. M5 Screw Cap x 4 	12. M8 Screw (45 mm) x 4 for GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR 

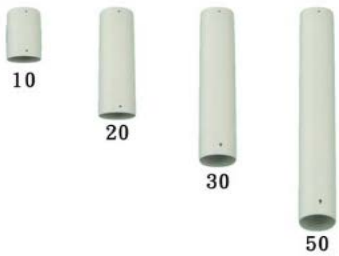
- **GV-Mount410-1**

1. Mounting Bracket 	2. Stainless Steel Strap (Ø6 ~ 7.5 in) x 3 
3. M8 Screw (30 mm) x 4 	4. M8 Screw (25 mm) x 4 
5. M8 Plain Washer x 4 	6. M8 Split Washer x 4 
7. M8 Screw Cap x 4 	8. M5 Screw (20 mm) x 4 
9. M5 Plain Washer x 4 	10. M5 Split Washer x 4 
11. M5 Screw Cap x 4 	12. M8 Screw (45 mm) x 4 for GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR 

- **GV-Mount501**

1. Junction Box 	2. Box Cover 
3. Supporting Plate 	4. M8 (30 mm) Screw x 4 
5. M8 (20 mm) Screw x 8 	6. Waterproof Rubber A 
7. No. 5 Hex Key 	8. No. 6 Hex Key 
9. Plain washer 	10. Waterproof Rubber B 

- **GV-Mount702**

1. Extension Tube 	2. Extension Tube Connector 

- **GV-Mount902**

1. Dome Housing 	2. Housing Cap 
3. M4 Screw x 8 	4. M6 Screw x 7 
5. Left and Right Rack 	6. Housing Plate 
7. Small Screw x 5 	

- **GV-Mount903-1 / 903-2**

1. Dome Housing 	2. Housing Cap 
3. M4 Screw x 4 	4. M6 Screw x 7 
5. M3 Screw x 3 	6. Flat M4 Screw x 3 
7. Housing Plate 	8. GV-Mount912-1 (For GV-Mount903-2) 
9. M4 Screw (18 mm) x 2 (For GV-Mount903-2) 	10. M3 Screw (8 mm) x 4 (For GV-Mount903-2) 

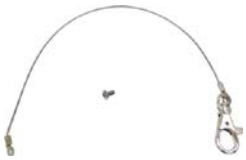
- **GV-Mount904**

1. Back Cover 	2. Back Plate 
3. Tilting Rack 	4. Long Screw x 3 
5. Short Screw x 9 	
6. Installation Sticker	

- **GV-Mount904-1 / 904-2**

1. GV-Mount904-1 	2. Hex Key 
3. Screw Anchor x 3 	4. Wall Mount Screw x 3 
5. M3 Screw x 3 	6. Installation Sticker
7. GV-Mount912-1 (For GV-Mount904-2) 	8. M4 Screw (18 mm) x 2 (For GV-Mount904-2) 
9. M3 Screw (8 mm) x 4 (For GV-Mount904-2) 	

- **GV-Mount907**

1. Support Rack x 3 	2. Mounting Ring 
3. Screw x 9 	4. Thread Lock, Screw, Washer 
5. Mounting Plate 	6. Hex Key 
7. Lock Plate and Screw 	8. Installation Sticker
9. In-Ceiling Cover 	

- **GV-Mount908**

1. Housing Cap 	2. Mounting Plate 
3. Screw x 4 	4. M6 Screw x 4 
5. Hex Key 	6. Installation Sticker
7. In-ceiling Cover 	8. M4 Screw x 2 

- **GV-Mount908-2**

9. Housing Cap 	10. Mounting Plate 
11. Mounting Cap 	12. In-ceiling Cover 
13. Screw x 4 	14. M5 Screw x 2 
15. Hex Key 	16. M4 Screw x 2 
9. Installation Sticker	

- **GV-Mount908-3**

1. GV-Mount908-3 	2. In-Ceiling Cover 
3. M3 Hex Wrench 	4. M5 Hex Wrench 
5. M4 Screw x 2 	6. RJ-45 Extender 
7. Installation Sticker	

- **GV-Mount909**

1. Wall Bracket 	2. Screw Anchor x 4 
3. Wall Mount Screw x 4 	4. M3 Screw (8 mm) x 4  * For GV-FD Series, GV-MFD Series, GV-MDR Series, GV-EFD Series, and GV-EDR Series
5. M5 Screw (10 mm) x 6 	

- **GV-Mount910**

6. Mounting Plate 	7. M3 Screw (8 mm) x 4 

- **GV-Mount912**

1. Mounting Plate 	2. M3 Screw (8 mm) x 4 

- **GV-Mount912-1**

1. GV-Mount912-1 	2. M3 Screw (8 mm) x 4 
3. M4 Screw (18 mm) x 2 	

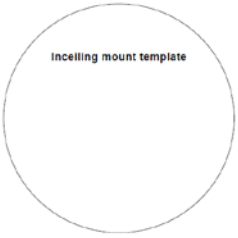
- **GV-Mount913**

1. Mounting Plate 	2. M3 Screw (8 mm) x 4 

- **GV-Mount914**

1. Bracket x 3 	2. In-Ceiling Plate 
3. Black Screw x 9 	4. In-Ceiling Ring 
5. Installation Sticker 	6. Round Screw x 4 
7. In-Ceiling Cover 	8. Thread Screw 

- **GV-Mount915**

1. Bracket x 3 	2. In-Ceiling Plate 
3. In-Ceiling Cover 	4. In-Ceiling Ring 
5. M3 Black Screw x 9 	6. M3 Screw (6 mm) x 3 
7. M3 Short Screw (3 mm) x 2 	8. Installation Sticker 
9. Thread Lock	

- **GV-Mount916**

1. Bracket x 3 	2. In-Ceiling Plate 
3. In-Ceiling Cover 	4. In-Ceiling Ring 
5. M3 Black Screw x 9 	6. M4 Screw x 4 
7. M3 Short Screw x 2 	8. Installation Sticker 
9. Thread Lock	

- **GV-Mount917**

1. Dome Housing 	2. Housing Cap 
3. M4 Small Screw x 7 	4. M6 Screw x 7 
5. Housing Plate 	

- **GV-Mount918**

1. Wall Mount Bracket 	2. Screw Anchor x 2 
3. Wall Mount Screw x 2 	4. M3 Screw (8 mm) x 6 
5. Plain Washer x 2 	

Note: Installation of GV-Mount918 for GV-EFD Series, GV-MFD Series and GV-MDR Series does not require all 6 M3 screws (8 mm) to be used. GV-EFD Series, GV-MFD Series and GV-MDR Series need 2 M3 screws, while GV-EDR Series needs 6 M3 screws for installation. GV-Mount918 cannot be applied to GV-EFD2101/3101/5101.

- **GV-Housing101**

1. Housing Box 	2. Supporting Tube 
3. Screw Anchor x 4 	4. M5 Screw (35 mm) x 4 
5. Short Screw x 2 	6. M5 Plain Washer (7 mm) x 4 
7. M5 Plain Washer (16 mm) x 2 	8. Hex Key 
9. Silica Gel Bag 	10. Sticker (for Silica Gel Bag)
11. Plastic Black Plate 	

Note:

1. Installation of GV-Housing101 does not require the plastic black plate (No. 11) to be used.
2. An extra short screw (No.5) and M5 plain washer 16 mm (No.7) are included for future model use.

- **GV-Housing102**

1. Housing Box 	2. Supporting Tube 
3. Screw Anchor x 4 	4. M5 Screw (35 mm) x 4 
5. Short Screw x 2 	6. M5 Plain Washer (7 mm) x 4 
7. M5 Plain Washer (16 mm) x 2 	8. Hex Key 
9. Silica Gel Bag 	10. Sticker (for Silica Gel Bag)
11. M4 Screw (8 mm) x 4 	12. M4 Screw (5 mm) x 4 
13. Black Plate x 2 	14. Plastic Black Plate 

Note:

1. Installation of GV-Housing102 does not require the plastic black plate (No. 14) to be used.
2. An extra short screw (No.5) and M5 plain washer 16 mm (No.7) are included for future model use.

- **GV-Housing103**

1. Screw x 3 	2. Plastic Screw Anchor x 3 
3. 1/4'' Screw 	4. Washer x 3 
5. Tooth Lock Washer 	6. Hex Key 
7. Silica Gel Bag 	8. Power Adapter 

2. Installing the Vandal Proof IP Dome (Part I)

The information in this chapter applies to GV-VD120D / 121D / 122D / 123D / 220D / 221D / 222D / 223D / 320D / 321D / 322D / 323D / 1500 / 2400 / 2500 / 3400.

2.1 Assembling the Vandal Proof IP Dome with the dome housing



Required accessories:

- GV-Mount903-1

2 Installing the Vandal Proof IP Dome (Part I)

1. Unpack the camera body.

A.



B.



C.



D.



2. Secure the back cover to the dome housing (GV-Mount903-1, No. 1) with M4 screws (GV-Mount903-1, No. 3).



3. Thread the camera cable through the back cover and the dome housing.



4. Align the camera body so that the protruding part of the back cover fits the camera body and secure them together.



5. Thread the cable through the housing cap (GV-Mount903-1, No. 2) and secure with M6 screws (GV-Mount903-1, No. 4).

2.2 Straight Tube Box Mount





Required accessories:

- GV-Mount100
- GV-Mount903-1

The user needs to prepare:

- Screws for ceiling x 4
- Corrugated tube x 1 (3/4", ø 26.0 ~ 26.5 mm)



Optionally extend with:

- GV-Mount702

1. Assemble the camera to the dome housing. See *2.1 Assembling the Vandal Proof IP Dome with the Dome Housing*.
2. Assemble the tube (GV-Mount100, No. 3) and the tube connector (GV-Mount100, No. 4).



3. Thread the camera cable through the tube and secure the tube to the end of the housing cap (GV-Mount903-1, No. 2) with M6 screws (GV-Mount903-1, No. 4).



4. Thread the camera cable through the box cover (GV-Mount100, No. 2), assemble the box cover and the tube, and tighten the torxes using the torx wrench (GV-Mount100, No. 7).



5. Secure the junction box (GV-Mount100, No. 1) to the ceiling with 4 self-prepared screws.



6. Assemble the corrugated tube connector (GV-Mount100, No. 6) with the self-prepared corrugated tube.
   A. Dismantle the supplied corrugated tube connector. You should have 4 parts.



   B. Slide part A and part B to the self-prepared corrugated tube.



   C. Screw part C to the tube.
   D. Thread the necessary wires and cables from the ceiling through the corrugated tube, plug the tube to the junction box and secure with part D.



7. Connect the network, power and other cables to the camera. See *Connecting the Camera*, *Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual - VD*** on the software DVD.

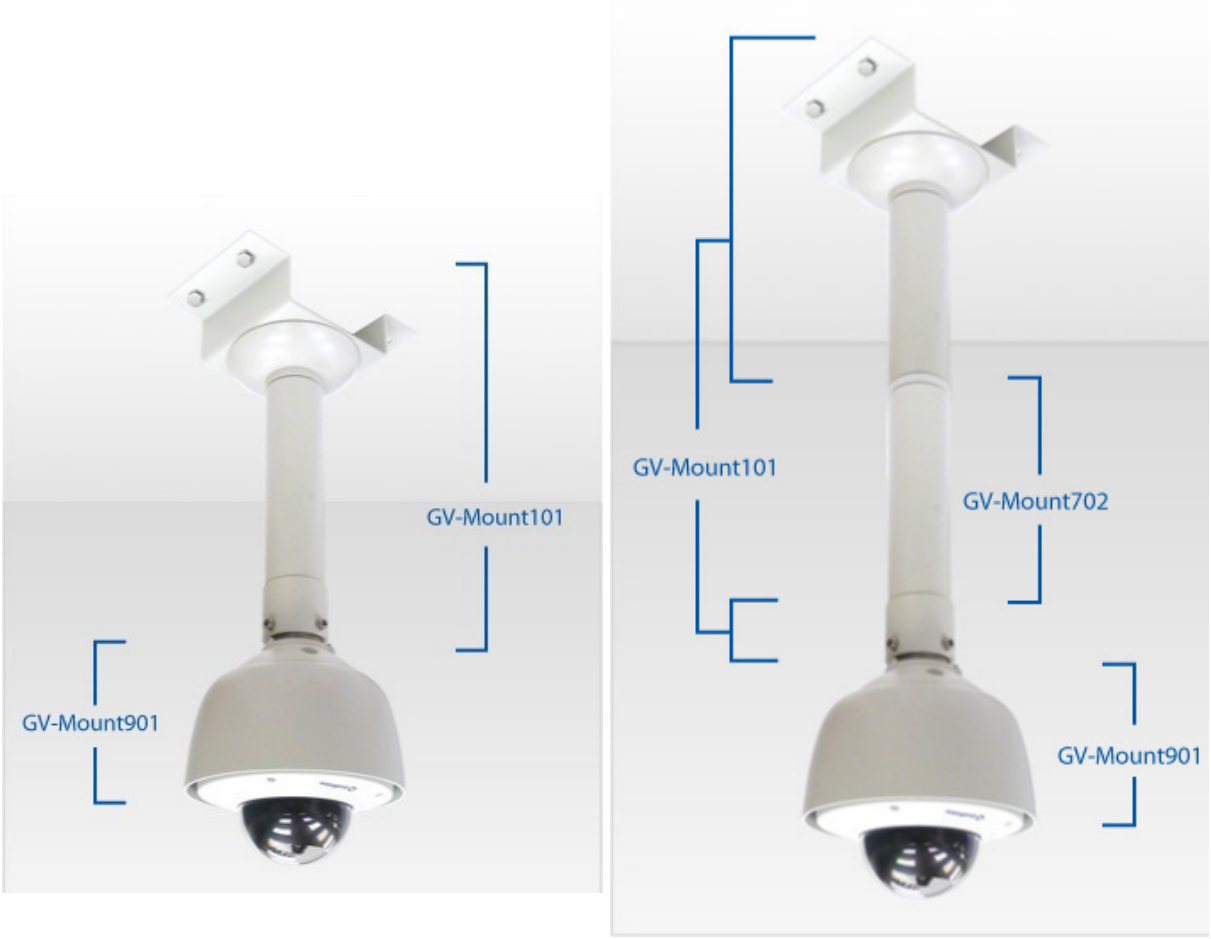
8. Hook the box cover and secure it with M5 flat screws (GV-Mount100, No. 5).





9. Refer to the indicated sections of the manuals on the software DVD:
   A. Access live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   B. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *Hard-Ceiling Mount*, *Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual - VD***.
   C. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *Hard-Ceiling Mount*, *Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual - VD***.

2.3 Straight Tube Mount



Required accessories:

- GV-Mount101
- GV-Mount903-1

The user needs to prepare:

- Screws for ceiling x 4

Optionally extend with:

- GV-Mount702

1. Assemble the camera with the dome housing. See *2.1 Assembling the Vandal Proof IP Dome with the Dome Housing*.
2. Assemble the tube (GV-Mount101, No. 2) and the tube connector (GV-Mount101, No. 3).



3. Thread the camera cable through the tube and assemble the tube to the end of the housing cap (GV-Mount903-1, No. 2) with M6 screws (GV-Mount903-1, No. 4).



4. Thread the camera cable through the mounting bracket (GV-Mount101, No. 1) and assemble the tube with the mounting bracket.
5. Make sure the tubes are properly screwed and tighten with the supplied torx wrench (GV-Mount101, No. 4).



6. Secure the assembled camera to a desired location with 4 self-prepared screws.

7. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the network, power and other cables to the camera. See *Connecting the Camera*, *Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual - VD***.
   B. Access live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   C. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *Hard-Ceiling Mount*, *Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual - VD***.
   D. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *Hard-Ceiling Mount*, *Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual - VD***.

2.4 Wall Mount



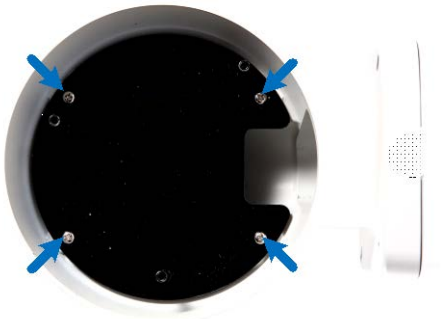
Required accessories:

- GV-Mount205

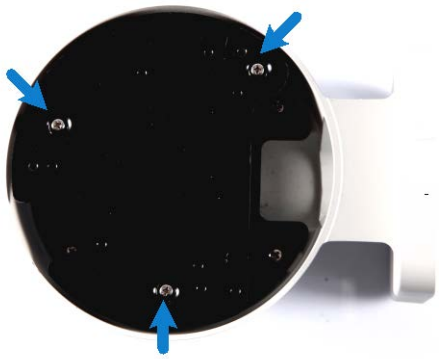
1. Take the wall mount bracket (GV-Mount205, No. 1) and make 4 marks on the wall for screw anchors.



2. Drill the marks and insert 4 screw anchors (GV-Mount205, No. 6).
3. Align and secure the mounting plate (GV-Mount205, No. 2) to the wall mount bracket with 4 M4 screws (GV-Mount205, No. 4).



4. Align and secure the housing plate (GV-Mount205, No. 3) to the mounting plate with 3 M4 screws (GV-Mount205, No. 4).



5. Unpack the camera body.

A.



B.



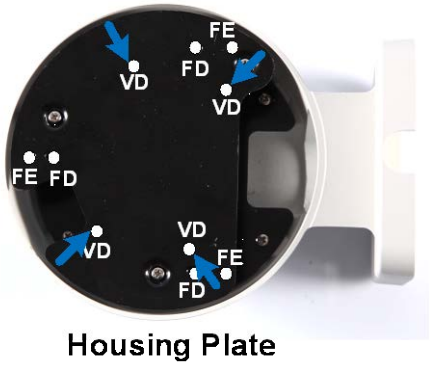
C.



D.



6. Align and secure the camera's back cover to the housing plate with 4 M4 screws (GV-Mount205, No. 4).



Housing Plate



Back Cover

7. Thread the camera cable through the conduit entry at the bottom of the back cover and the wall mount bracket, and refer to step 5D and 5C to secure the camera to the back cover.



8. Secure the wall mount bracket to the wall with 40 mm M4 screws (GV-Mount205, No. 5) and plain washers (GV-Mount205, No. 7).
9. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the network, power and other cables to the camera. See *Connecting the Camera*, *Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual - VD***.
   B. Access live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   C. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *Hard-Ceiling Mount*, *Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual - VD***.
   D. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *Hard-Ceiling Mount*, *Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual - VD***.

2.5 Wall Box Mount



Required accessories:

- GV-Mount909

IMPORTANT: The GV-Mount909 is not IP66 protected. Make sure you install the camera in a dry place.

1. Take the wall mount bracket (GV-Mount909, No. 1) and make 4 marks on the wall for screw anchors.



2. Drill the marks and insert 4 screw anchors (GV-Mount909, No. 2).
3. Secure the wall mount bracket to the wall with wall mount screws (GV-Mount909, No. 3).

4. Unpack the camera body.

A.



B.



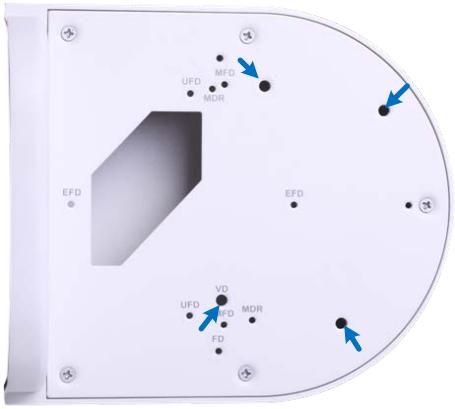
C.

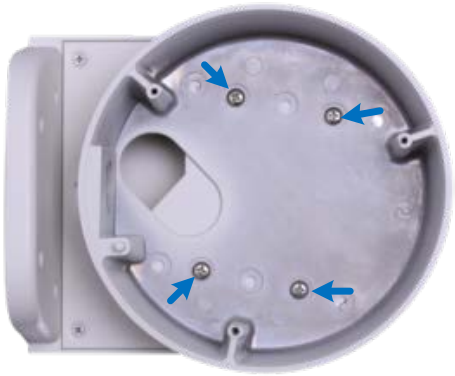


D.



5. Align and secure the back cover to the wall mount bracket with four M5 screws (GV-Mount909, No. 5).





6. Thread the cable through the back cover and wall mount bracket, and follow step 4C and 4D to secure the camera to the back cover.
7. Refer to the indicated sections of the manuals on the software DVD:
   A. Access live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   B. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *Hard-Ceiling Mount*, *Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual - VD***.
   C. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *Hard-Ceiling Mount*, *Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual - VD***.

2.6 Wall Pendant Mount



Required accessories:

- GV-Mount200
- GV-Mount903-1

The user needs to prepare:

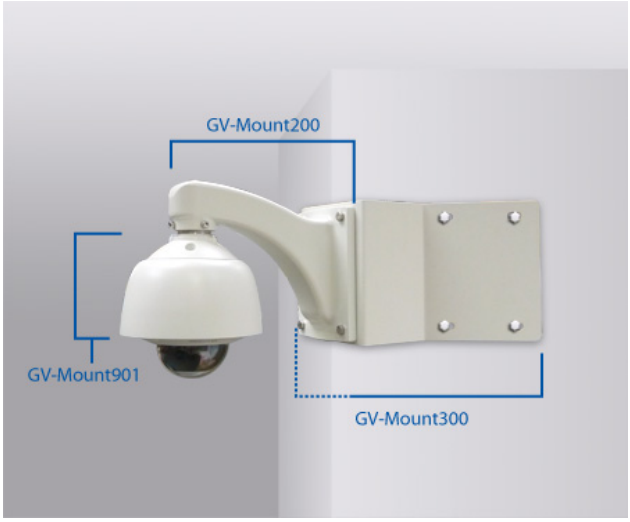
- Screws for wall x 4

1. Assemble the camera with the dome housing. See *2.1 Assembling the Vandal Proof IP Dome with the Dome Housing*.
2. Thread the camera cable through the wall pendant tube (GV-Mount200, No. 1) and secure the tube to the end of the housing cap (GV-Mount903-1, No. 2) with M6 screws (GV-Mount903-1, No. 4).



3. Secure the wall pendant tube to the wall with 4 self-prepared screws.
4. Refer to the indicated sections of the manuals on the software DVD:
   A. Access live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   B. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *Hard-Ceiling Mount*, *Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual - VD***.
   C. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *Hard-Ceiling Mount*, *Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual - VD***.

2.7 Convex Corner Mount with Pendant Tube



Required accessories:

- GV-Mount200
- GV-Mount300-1
- GV-Mount903-1

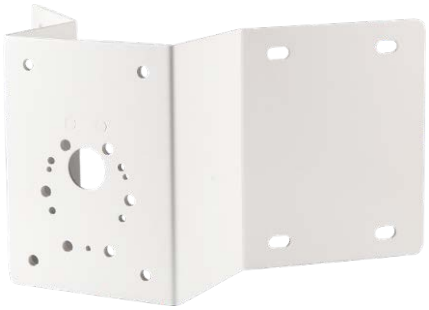
The user needs to prepare:

- Screws for wall x 8

1. Assemble the camera with the dome housing. See *2.1 Assembling the Vandal Proof IP Dome with the Dome Housing*.
2. Thread the camera cable through the wall pendant tube (GV-Mount200, No. 1), and secure the tube to the end of the housing cap (GV-Mount903-1, No. 2) with M6 screws (GV-Mount903-1, No. 4).



3. Assemble the mounting plates (GV-Mount300-1, No. 1), slide in the plain washer (GV-Mount300-1, No. 4), then the split washer (GV-Mount300-1, No. 5), and secure with the screw cap (GV-Mount300-1, No. 6).



4. Thread the camera cable and secure the pendant tube to the mounting plates. Slide the 30 mm M8 screws (GV-Mount300-1, No. 3) from front and secure from the backside using plain washer (GV-Mount300-1, No. 4), split washer (GV-Mount300-1, No. 5) and screw cap (GV-Mount300-1, No. 6).

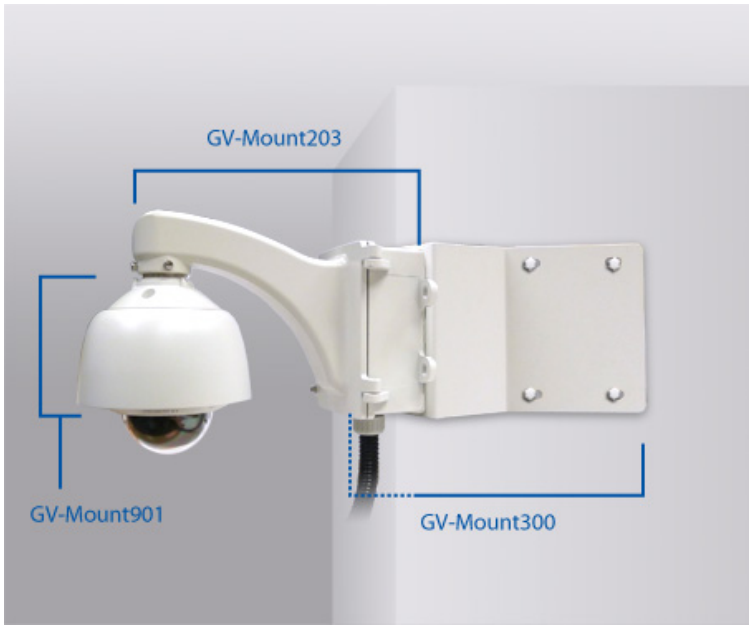




Backside View

5. Secure the plates to the wall with 8 self-prepared screws.
6. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the network, power and other cables to the camera. See *Connecting the Camera*, *Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual - VD***.
   B. Access live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   C. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *Hard-Ceiling Mount*, *Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual - VD***.
   D. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *Hard-Ceiling Mount, Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual - VD***.

2.8 Convex Corner Box Mount



Required accessories:

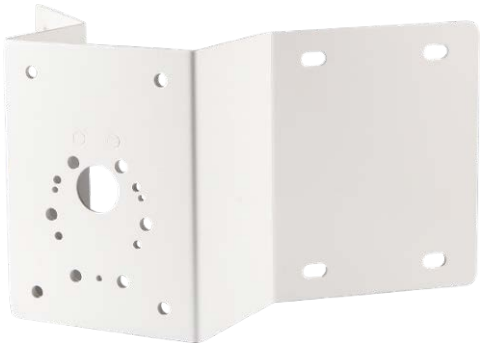
- GV-Mount203
- GV-Mount300-1
- GV-Mount903-1

The user needs to prepare:

- Screws for wall x 8
- Corrugated tube (3/4'', ø 26.0 ~ 26.5 mm)



1. Assemble the camera with the dome housing. See *2.1 Assembling the Vandal Proof IP Dome with the Dome Housing*.
2. Assemble the mounting plates (GV-Mount300-1, No. 1), slide in the plain washer (GV-Mount300-1, No. 4), then the split washer (GV-Mount300-1, No. 5), and secure them with the screw cap (GV-Mount300-1, No. 6).



3. Secure the junction box (GV-Mount203, No. 1) to the plate from the backside using the 25 mm M8 screw (GV-Mount300-1, No. 3), plain washer (GV-Mount300-1, No. 4) and split washer (GV-Mount300-1, No. 5).







Back View

4. Secure the plates to the wall with 8 self-prepared screws. Face the conduit exit downward.



5. Assemble the corrugated tube connector (GV-Mount203, No. 4) with the self-prepared corrugated tube.
   A. Dismantle the supplied corrugated tube connector. You should have 4 parts.



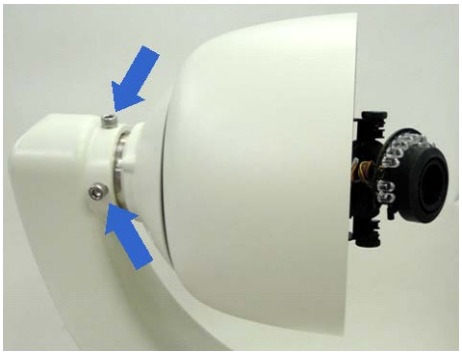
   B. Slide part A and part B to the self-prepared corrugated tube.



   C. Screw part C to the tube.
   D. Thread the necessary wires and cables from the wall or the ceiling through the corrugated tube, plug the tube to the junction box and secure with part D.



6. Thread the camera cable through the wall pendant tube (GV-Mount203, No. 2), and secure the tube to the end of the housing cap (GV-Mount903-1, No. 2) with M6 screws (GV-Mount903-1, No. 4).

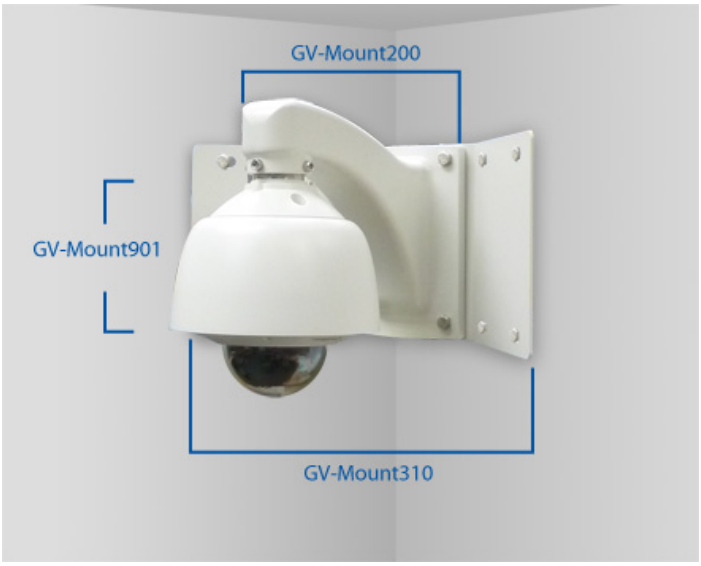


7. Hinge and hook the pendant tube to the junction box.



8. Connect the network, power and other cables to the camera. See *Connecting the Camera*, *Vandal Proof IP Dome (Part I)* Chapter, *GV-IPCam User's Manual* on the software DVD.
9. Conceal the junction box with M5 screws (GV-Mount203, No. 3) using the torx wrench (GV-Mount203, No. 5).
10. Refer to the indicated sections of the manuals on the software DVD:
    A. Access live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
    B. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *Hard-Ceiling Mount*, *Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual - VD***.
    C. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *Hard-Ceiling Mount, Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual - VD***.

2.9 Concave Corner Mount with Pendant Tube



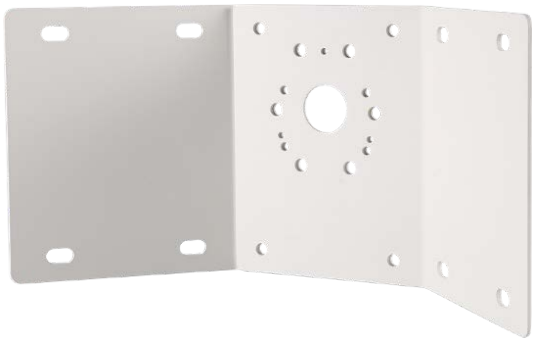
Required accessories:

- GV-Mount200
- GV-Mount310-1
- GV-Mount903-1

The user needs to prepare:

- Screws for wall x 8

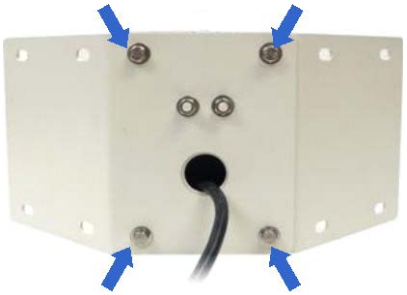
1. Assemble the mounting plates (GV-Mount310-1, No. 1), slide in the plain washer (GV-Mount310-1, No. 3), then the split washer (GV-Mount310-1, No. 4), and secure them with the screw cap (GV-Mount310-1, No. 5).



2. Thread the camera cable and secure the pendant tube to the plates. Slide the 30 mm M8 screws (GV-Mount310-1, No. 2) from the front and secure from the backside using plain washer (GV-Mount310-1, No. 3), split washer, (GV-Mount310-1, No. 4) and M8 screw cap (GV-Mount310-1, No. 5).



Front View

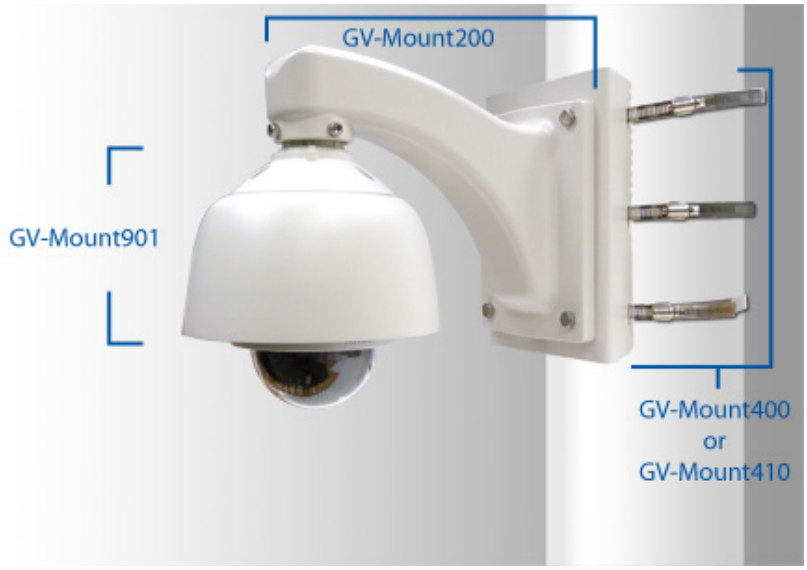




Back View

3. Secure the plates to the wall with 8 self-prepared screws.
4. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the network, power and other cables to the camera. See *Connecting the Camera*, *Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual - VD***.
   B. Access live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   C. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *Hard-Ceiling Mount*, *Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual - VD***.
   D. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *Hard-Ceiling Mount*, *Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual - VD***.

2.10 Pole Mount with Pendant Tube



Required accessories:

- GV-Mount200
- GV-Mount400-1 / 410-1
- GV-Mount903-1

1. Assemble the camera with the dome housing. See *2.1 Assembling the Vandal Proof IP Dome with the Dome Housing*.
2. Secure the mounting bracket (GV-Mount400-1 / 410-1, No. 1) to the pole using 3 steel straps (GV-Mount400-1 / 410-1, No. 2). Rotate the screw on the strap to adjust its size.





5. Thread the camera cable through the pendant tube (GV-Mount200, No. 1) and secure the tube to the end of the housing cap (GV-Mount903-1, No. 2) with M6 screws (GV-Mount903-1, No. 4).



6. Thread the camera cable through the mounting bracket and secure the pendant tube to the mounting bracket. Slide the 30 mm M8 screws (GV-Mount400-1 / 410-1, No. 3) from the front and secure from the backside using plain washer (GV-Mount400-1 / 410-1, No. 5), split washer (GV-Mount400-1 / 410-1, No. 6) and screw cap (GV-Mount400-1 / 410-1, No. 7).

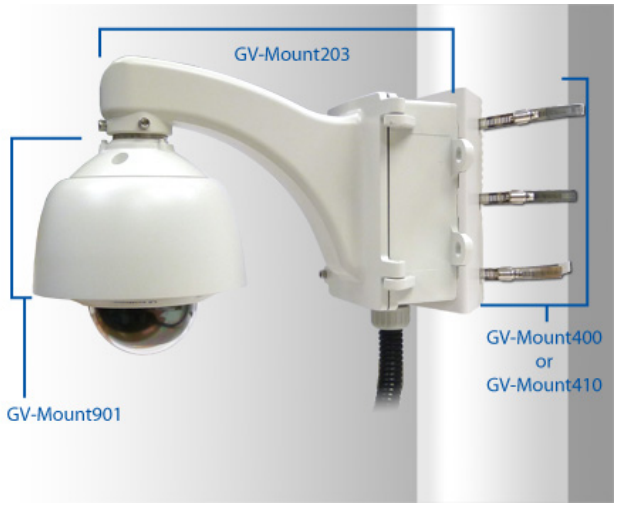




Backside View

7. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the network, power and other cables to the camera. See *Connecting the Camera*, *Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual - VD***.
   B. Access live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   C. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *Hard-Ceiling Mount*, *Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual - VD***.
   D. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *Hard-Ceiling Mount*, *Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual - VD***.

2.11 Pole Box Mount



Required accessories:

- GV-Mount203
- GV-Mount400-1 / 410-1
- GV-Mount903-1

The user needs to prepare:

- Corrugated tube x 1 (3/4", ø 26.0 ~ 26.5 mm)



1. Assemble the camera with the dome housing. See *2.1 Assembling the Vandal Proof IP Dome with the Dome Housing*.
2. Assemble the mounting bracket (GV-Mount400-1 / 410-1, No. 1) and the junction box (GV-Mount203, No. 1) from the backside using 25 mm M8 screws (GV-Mount400-1 / GV-Mount410-1, No. 4), plain washer (GV-Mount400-1 / 410-1, No. 5) and split washers (GV-Mount400-1 / 410-1, No. 6).





Backside View

3. Secure the mounting bracket to the pole using 3 steel straps (GV-Mount400-1 / 410-1, No. 2). Rotate the screw on the strap to adjust its size. Face the conduit exit downward.





4. Assemble the corrugated tube connector (GV-Mount203, No. 4) with the self-prepared corrugated tube.
   A. Dismantle the supplied corrugated tube connector. You should have 4 parts.



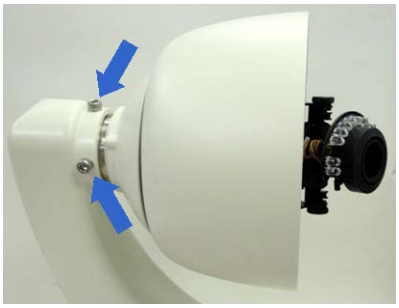
   B. Slide part A and part B to the self-prepared corrugated tube.



   C. Screw part C to the tube.
   D. Thread the necessary wires and cables through the corrugated tube, plug the tube to the junction box and secure with part D.



5. Thread the camera cable through the pendant tube (GV-Mount203, No. 2) and secure the tube to the end of the housing cap (GV-Mount903-1, No. 2) with M6 screws (GV-Mount903-1, No. 4).



6. Hinge and hook the pendant tube to the junction box.



7. Connect the network, power and other cables to the camera. See *Connecting the Camera*, *Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual -VD*** on the software DVD.
8. Conceal the junction box with M5 screws (GV-Mount203, No. 3) using the torx wrench (GV-Mount203, No. 5).
9. Refer to the indicated sections of the manuals on the software DVD:
   A. Access live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   B. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *Hard-Ceiling Mount*, *Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual - VD***.
   C. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *Hard-Ceiling Mount*, *Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual - VD***.

2.12 Power Box Mount





The user needs to prepare

- Screws for securing the camera to power box

Supported Power Box Types			
Single Gang	**Double Gang**	**4'' Octagon**	**4'' Square**
	✓		✓

1. Unpack the camera body.

A.



B.



C.



D.



2. Thread the camera cable through the back cover and into the power box and secure the back cover to the power box with self-prepared screws.



3. Follow steps 1B to 1D to assemble the camera.
4. Refer to the indicated sections of the manuals on the software DVD:
   A. Access live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   B. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *Hard-Ceiling Mount*, *Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual - VD***.
   C. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *Hard-Ceiling Mount*, *Vandal Proof IP Dome (Part I)* Chapter, ***GV-IPCam Hardware Manual - VD***.

Note for Installing the Vandal Proof IP Dome

When installing GV-VD1530 / 1540 / 1540-E / 2430 / 2440 / 2440-E / 2530 / 2540 / 2540-E / 3430 / 3440 / 3440-E / 4711 / 5711 / 5340 / 5340-E, be sure that:

1. When installing the camera near the corner, maintain at least 25 cm away from the walls to avoid reflections.
2. If the center of the camera view is less than 25° to the ceiling, or lower than the grey line (as illustrated below), disassemble the indicated ring so the view is not obstructed. However, with the ring disassembled, slight reflections may occur.



3. Installing the Vandal Proof IP Dome (Part II)

The information in this chapter applies to GV-VD1530 / 1540 / 1540-E / 2430 / 2440 / 2440-E / 2530 / 2540 / 2540-E / 3430 / 3440 / 3440-E / 5340 / 5340-E / 3700 / 4700 / 5700 / 4711 / 5711. For **GV-VD2702 / 2712 / 4702 / 4712**, see *Chapter 14* for its installation methods.

3.1 Straight Tube Box Mount





Required accessories:

- GV-Mount100
- GV-Mount903-1

The user needs to prepare:

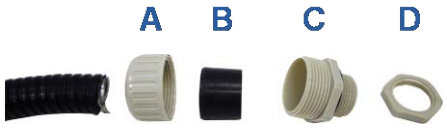
- Screws for ceiling x 4
- Corrugated tube x 1 (3/4", ø 26.0 ~ 26.5 mm)



Optionally extend with:

- GV-Mount702

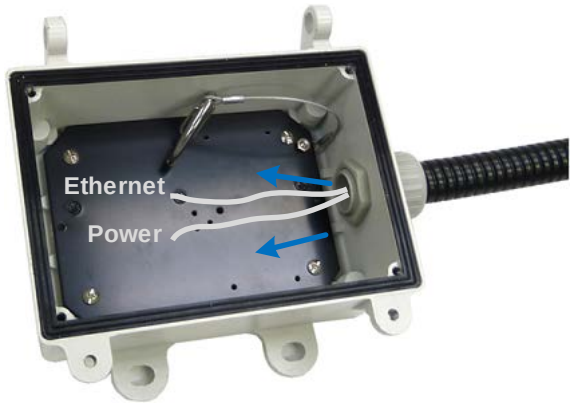
1. Assemble the corrugated tube connector (GV-Mount100, No. 6) with the self-prepared corrugated tube and the junction box (GV-Mount100, No. 1).
   A. Dismantle the supplied corrugated tube connector. You should have 4 parts.



   B. Slide part A and part B to the self-prepared corrugated tube.



   C. Screw part C to the tube.
   D. Thread the power, network and other wires from the ceiling through the corrugated tube into the junction box and secure with part D.



2. Secure the junction box to the ceiling with self-prepared screws.
3. Assemble the box cover (GV-Mount100, No.2) with the tube (GV-Mount100, No. 3), tube connector (GV-Mount100, No. 4), housing cap (GV-Mount903-1, No. 2) and then the dome housing (GV-Mount903-1, No.1) with M6 screws (GV-Mount903-1, No. 4).



4. Thread the power (supplied), network (self-prepared) and other wires (supplied) through the box cover and into the dome housing.
5. For GV-VD3700 / 4700 / 5700, dismantle the back plate from the camera and secure it to the dome housing. For others, secure the supplied back plate to the dome housing.



GV-VD3700/4700/5700

6. Thread the wires into the camera. See *Installation*, *Vandal Proof IP Dome (Part II or Part III)* Chapter, ***GV-IPCam Hardware Manual - VD*** on the software DVD.
7. Secure the camera to the back plate.



GV-VD3700/4700/5700

8. Hinge and hook the box cover to the junction box.



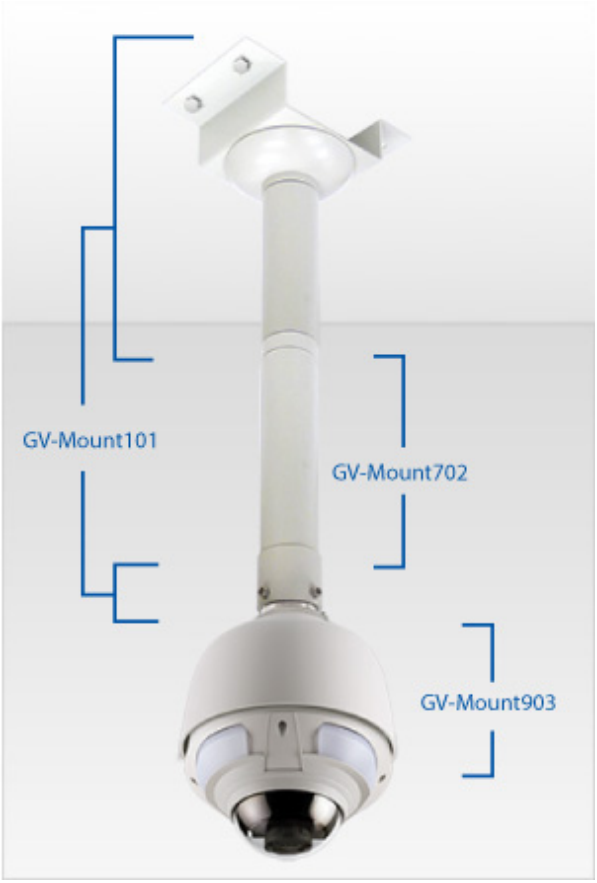
9. Connect the wires and close the box cover with M5 flat screws (GV-Mount100, No. 5).



10. Refer to the indicated sections of the manuals on the software DVD:
    A. Access live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
    B. Adjust the angle, focus and zoom of the camera. See *Installation*, *Vandal Proof IP Dome (Part II and Part III)* Chapter, ***GV-IPCam Hardware Manual - VD***.
    C. Replace the silica gel bag and secure the housing cover. See *Installation*, *Vandal Proof IP Dome (Part II and Part III)* Chapter, ***GV-IPCam Hardware Manual - VD***.

3.2 Straight Tube Mount





Required accessories:

- GV-Mount101
- GV-Mount903-1

The user needs to prepare:

- Screws for ceiling x 4

Optionally extend with:

- GV-Mount702

1. Assemble the mounting bracket (GV-Mount101, No. 1), tube (GV-Mount101, No. 2), tube connector (GV-Mount101, No. 3), housing cap (GV-Mount903-1, No. 2) and the dome housing (GV-Mount903-1, No. 1) with M6 screws (GV-Mount903-1, No. 4).

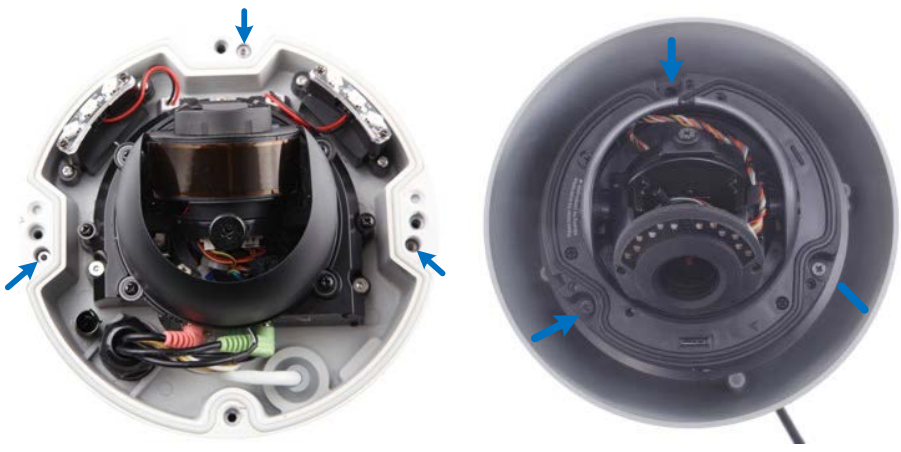


2. Thread the power (supplied), network (self-prepared) and other wires (supplied) through the box cover and into the dome housing.
3. For GV-VD3700 / 4700 / 5700, dismantle the back plate from the camera and secure it to the dome housing. For others, secure the supplied back plate to the dome housing.



GV-VD3700/4700/5700

4. Thread the wires into the camera. See *Installation, Vandal Proof IP Dome (Part II and Part III) Chapter*, ***GV-IPCam Hardware Manua - VD*** on the software DVD.
5. Secure the camera to the back plate.



GV-VD3700/4700/5700

6. Connect the camera wires with the wires from the ceiling
7. Secure the camera to the ceiling with self-prepared screws.
8. Refer to the indicated sections of the manuals on the software DVD:
   A. Access live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   B. Adjust the angle, focus and zoom of the camera. See *Installation, Vandal Proof IP Dome (Part II and Part III) Chapter*, ***GV-IPCam Hardware Manual - VD***.
   C. Replace the silica gel bag and secure the housing cover. See *Installation, Vandal Proof IP Dome (Part II and Part III) Chapter*, ***GV-IPCam Hardware Manual - VD***.

3.3 Wall Mount Bracket



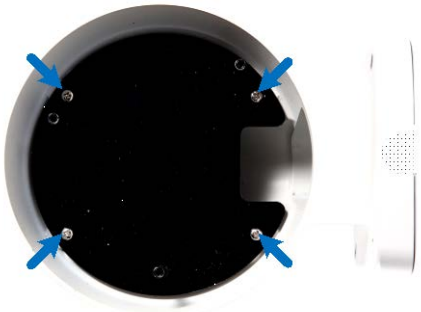
Required accessories:

- GV-Mount206

1. Take the wall mount bracket (GV-Mount206, No. 1) and make 4 marks on the wall for screw anchors.



2. Drill the marks and insert 4 screw anchors (GV-Mount206, No. 6).
3. Align and secure the mounting plate (GV-Mount206, No. 2) to the wall mount bracket with 4 M4 screws (GV-Mount206, No. 4).

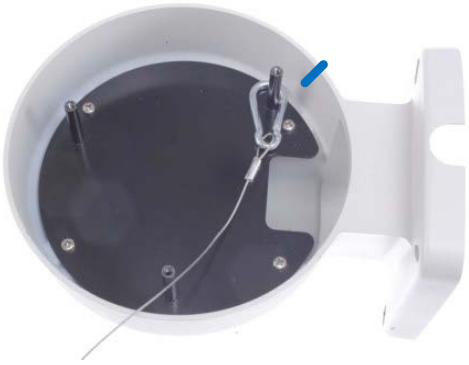


From step 4 to step 8, the instructions vary from models to models.

Only for GV-VD3700 / 4700 / 5700,

4. Secure the anti-drop wire (supplied with the camera).

   A. Secure the anti-drop wire to the mounting plate (GV-Mount206, No. 2).



   B. Align and secure the housing plate (GV-Mount206, No. 3) to the mounting plate with 3 M4 screws (GV-Mount206, No. 4).



   C. Dismantle the back plate form the camera body; then secure the anti-drop wire with the screw for anti-drop wire to the bottom of the camera.



5. Thread the camera cables through the wall mount bracket (GV-Mount206, No. 1).



6. Align and secure the camera's back plate to the housing plate with 4 M4 screws (GV-Mount206, No. 4).



The Camera's Back Plate

7. Thread and connect the related wires to the camera. See *Installation, Vandal Proof IP Dome (Part III) Chapter*, ***GV-IPCam Hardware Manual - VD*** on the software DVD.
8. Align and secure the camera to the back plate.

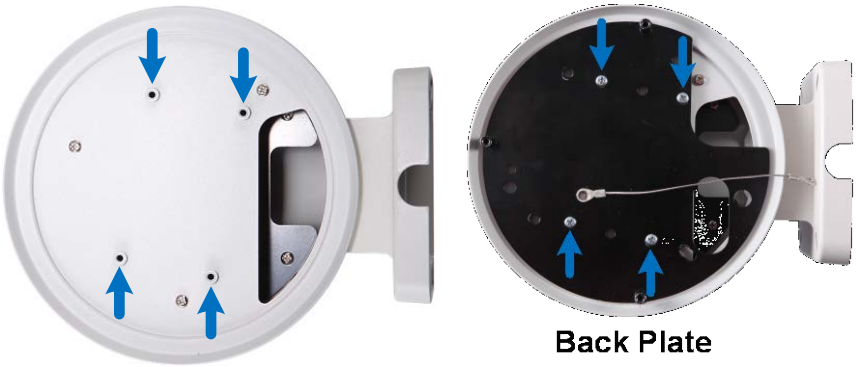


For other models,

4. Align and secure the housing plate (GV-Mount206, No. 3) to the mounting plate with 3 M4 screws (GV-Mount206, No. 4).



5. Align and secure the camera's back plate to the housing plate with 4 M4 screws (GV-Mount206, No. 4).



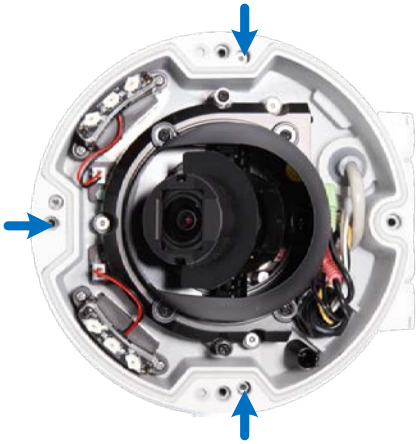
6. Thread the camera cables through the wall mount bracket.



A. Thread the wires of power adapter, audio (optional), TV out (optional) and I/O devices (optional) through the hole labeled A.

B. Thread the RJ-45 cable through the hole labeled B.

7. Thread and connect the related wires to the camera. See *Installation, Vandal Proof IP Dome (Part II) Chapter*, **GV-IPCam Hardware Manual - VD** on the software DVD..
8. Align and secure the camera to the back plate with the supplied torx wrench



From step 9 to step 10, all the models share the same instructions.

9. Secure the wall mount bracket (GV-Mount206, No. 1) to the wall with 40 mm M4 screws (GV-Mount206, No. 5) and plain washers (GV-Mount206, No. 7).
10. Refer to the indicated sections of the manuals on the software DVD:
    A. Access live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
    B. Adjust the angle, focus and zoom of the camera. See *Installation, Vandal Proof IP Dome (Part II) Chapter*, ***GV-IPCam Hardware Manual - VD***.
    C. Replace the silica gel bag and secure the housing cover. See *Installation, Vandal Proof IP Dome (Part II) Chapter*, ***GV-IPCam Hardware Manual - VD***.

3.4 Wall Box Mount

The information in this chapter does not apply to GV-VD3700 / 4700 / 5700.



Required accessories:

- GV-Mount909

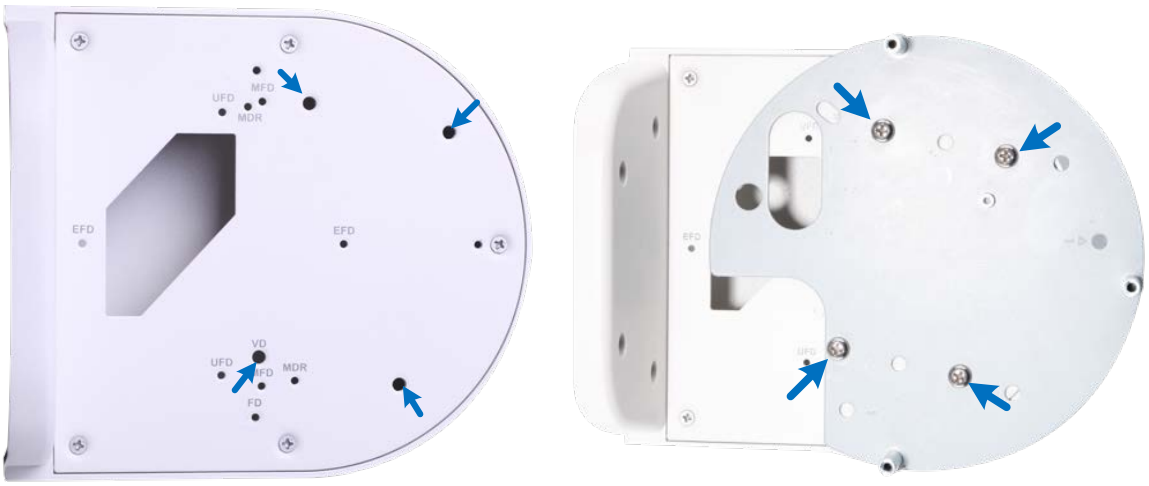
IMPORTANT: The GV-Mount909 is not IP66 protected. Make sure you install the camera in a dry place.

1. Take the wall mount bracket (GV-Mount909, No. 1) and make 4 marks on the wall for screw anchors.

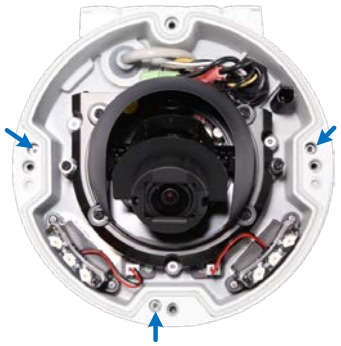


2. Drill the marks and insert 4 screw anchors (GV-Mount909, No. 2).

3. Secure the supplied back plate to the wall mount bracket with four M5 screws (GV-Mount909, No. 5).



4. Thread the power (supplied), network (self-prepared) and other wires (supplied) through the wall mount bracket and into the camera. See steps 1 to 4 in *Installation*, *Vandal Proof IP Dome (Part II)* Chapter, ***GV-IPCam Hardware Manual - VD*** on the software DVD
5. Secure the camera to the wall mount bracket with the supplied torx wrench.



6. Connect the camera wires with wires from the wall.
7. Secure the wall mount bracket to the wall with wall mount screws (GV-Mount909, No. 3).
8. Refer to the indicated sections of the manuals on the software DVD:
   A. Access live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   B. Adjust the angle, focus and zoom of the camera. See step 8 in *Installation*, *Vandal Proof IP Dome (Part II)* Chapter, ***GV-IPCam Hardware Manual - VD***.
   C. Replace the silica gel bag and secure the housing cover. See step 9 in *Installation*, *Vandal Proof IP Dome (Part II)* Chapter, ***GV-IPCam Hardware Manual - VD***.

3.5 Wall Pendant Mount



Required accessories:

- GV-Mount200
- GV-Mount903-1

The user needs to prepare:

- Screws for wall x 4

1. Assemble the pendant tube (GV-Mount200, No. 1) with the housing cap (GV-Mount903-1, No. 2) and then the dome housing (GV-Mount903-1, No. 1) with M6 screws (GV-Mount903-1, No. 4).



2. Thread the power (supplied), network (self-prepared) and other wires (supplied) through the pendant tube and into the dome housing.
3. For GV-VD3700 / 4700 / 5700, dismantle the back plate from the camera and secure it to the dome housing. For others, secure the supplied back plate to the dome housing.



GV-VD3700/4700/5700

4. Thread the wires into the camera. See steps 1 to 4 in *Installation*, *Vandal Proof IP Dome (Part II)* Chapter, G*V-IPCam Hardware Manual - VD* on the software DVD.
5. Secure the camera to the back plate.



6. Connect the camera wires with wires from the wall.
7. Secure the wall pendant tube to the wall with 4 self-prepared screws.
8. Refer to the indicated sections of the manuals on the software DVD:
   A. Access live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   B. Adjust the angle, focus and zoom of the camera. See *Installation*, *Vandal Proof IP Dome (Part II and Part III)* Chapter, ***GV-IPCam Hardware Manual - VD***.
   C. Replace the silica gel bag and secure the housing cover. See *Installation*, *Vandal Proof IP Dome (Part II and Part III)* Chapter, ***GV-IPCam Hardware Manual - VD***.

3.6 Convex Corner Mount with Pendant Tube



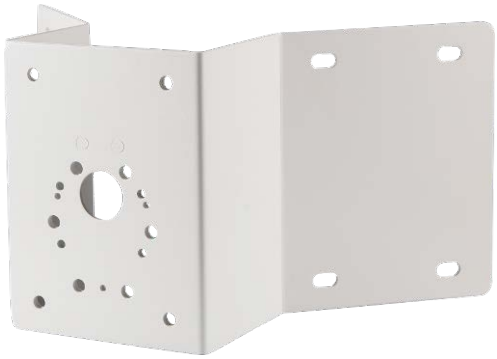
Required accessories:

- GV-Mount200
- GV-Mount300-1
- GV-Mount903-1

The user needs to prepare:

- Screws for wall x 8

1. Assemble the mounting plates (GV-Mount300-1, No. 1). Slide in the plain washer (GV-Mount300-1, No. 4), the split washer (GV-Mount300-1, No. 5), and secure with the screw cap (GV-Mount300-1, No. 6).



2. Assemble the pendant tube (GV-Mount200, No. 1) with the housing cap (GV-Mount903-1, No. 2) and then the dome housing (GV-Mount903-1, No. 1) with M6 screws (GV-Mount903-1, No. 4).



3. Thread the power (supplied), network (self-prepared) and other wires (supplied) through the pendant tube and into the dome housing.
4. For GV-VD3700 / 47000 / 5700, dismantle the back plate from the camera and secure it to the dome housing. For others, secure the supplied back plate to the dome housing.



GV-VD3700/4700/5700

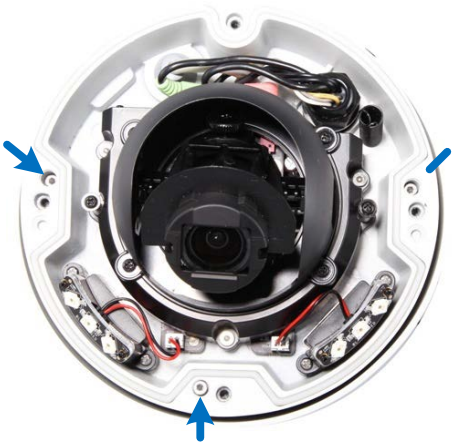
5. Secure the pendant tube to the mounting plates. Slide the 30 mm M8 screws (GV-Mount300-1, No. 3) from front and secure from the backside using plain washer (GV-Mount300-1, No. 4), split washer (GV-Mount300-1, No. 5) and screw cap (GV-Mount300-1, No. 6).





Backside View

6. Thread the wires into the camera. See *Installation*, *Vandal Proof IP Dome (Part II or Part III)* Chapter, ***GV-IPCam Hardware Manual - VD*** on the software DVD.
7. Secure the camera to the back plate.





GV-VD3700/4700/5700

8. Connect the camera wires with wires from the wall.
9. Secure the plates to the wall with 8 self-prepared screws.
10. Refer to the indicated sections of the manuals on the software DVD:
    A. Access live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
    B. Adjust the angle, focus and zoom of the camera. See *Installation*, *Vandal Proof IP Dome (Part II and Part III)* Chapter, ***GV-IPCam Hardware Manual - VD***.
    C. Replace the silica gel bag and secure the housing cover. See *Installation*, *Vandal Proof IP Dome (Part II and Part III)* Chapter, ***GV-IPCam Hardware Manual - VD***.

3.7 Convex Corner Box Mount



Required accessories:

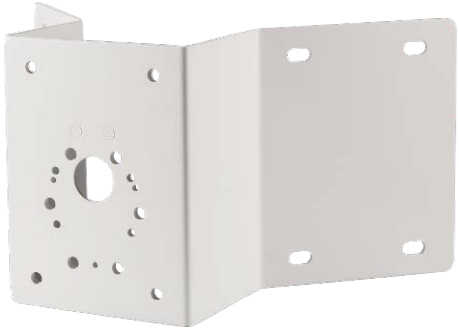
- GV-Mount203
- GV-Mount300-1
- GV-Mount903-1

The user needs to prepare:

- Screws for wall x 8
- Corrugated tube (3/4'', ø 26.0 ~ 26.5 mm)



1. Assemble the mounting plates, slide in the plain washer (GV-Mount300-1, No. 4), then the split washer (GV-Mount300-1, No. 5), and secure with the screw cap (GV-Mount300-1, No. 6).



2. Secure the junction box (GV-Mount203, No. 1) to the plate from the backside using the 25 mm M8 screw (GV-Mount300-1, No. 3), plain washer (GV-Mount300-1, No. 4) and split washer (GV-Mount300-1, No. 5).







Back View

3. Install the corrugated tube and the tube connector (GV-Mount203, No. 4) to the junction box.
   A. Dismantle the supplied corrugated tube connector. You should have 4 parts.



   B. Slide part A and part B to the self-prepared corrugated tube.



   C. Screw part C to the tube.
   D. Thread the necessary wires through the corrugated tube, plug the tube to the junction box and secure with part D.



4. Secure the mounting plates to the wall with self-prepared screws.

5. Assemble the pendant tube (GV-Mount203, No. 2), housing cap (GV-Mount903-1, No. 2) and the dome housing (GV-Mount903-1, No. 1) with M6 screws (GV-Mount903-1, No. 4).



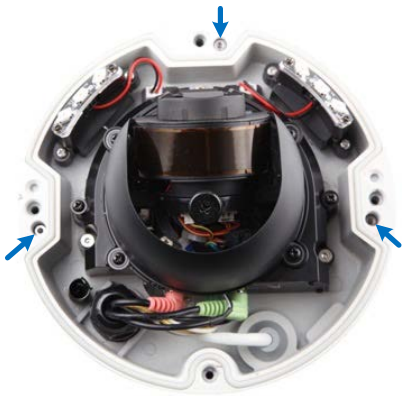
6. Thread the power (supplied), network (self-prepared) and other wires (supplied) through the pendant tube and into the dome housing.
7. For GV-VD3700 / 4700 / 5700, dismantle the back plate from the camera and secure it to the dome housing. For others, secure the supplied back plate to the dome housing.





GV-VD3700/4700/5700

8. Thread the wires into the camera. See *Installation, Vandal Proof IP Dome (Part II and Part III) Chapter*, ***GV-IPCam Hardware Manual - VD*** on the software DVD.
9. Secure the camera to the back plate.





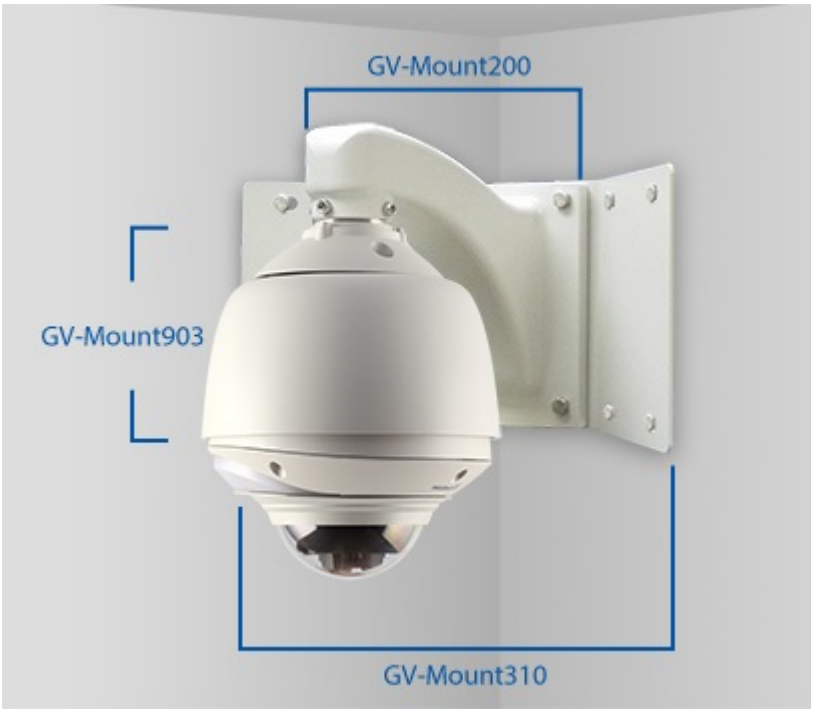
GV-VD3700/4700/5700

10. Hinge and hook the pendant tube to the junction box.



11. Connect the wires and close the junction box with M5 screws (GV-Mount203, No. 3).
12. Refer to the indicated sections of the manuals on the software DVD:
    A. Access live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
    B. Adjust the angle, focus and zoom of the camera. See *Installation*, *Vandal Proof IP Dome (Part II and Part III)* Chapter, ***GV-IPCam Hardware Manual - VD***.
    C. Replace the silica gel bag and secure the housing cover. See *Installation*, *Vandal Proof IP Dome (Part II and Part III)* Chapter, ***GV-IPCam Hardware Manual - VD***.

3.8 Concave Corner Mount with Pendant Tube



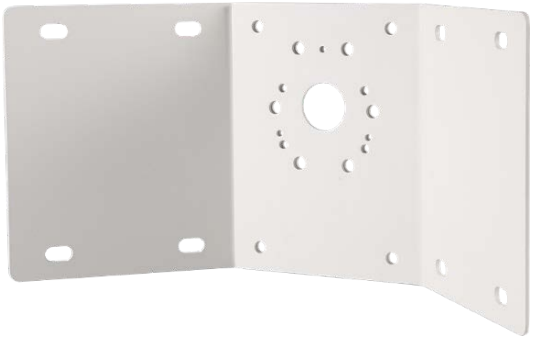
Required accessories:

- GV-Mount200
- GV-Mount310 / 310-1
- GV-Mount903-1

The user needs to prepare:

- Screws for wall x 8

1. Assemble the mounting plates (GV-Mount310 / 310-1, No. 1). Slide in the plain washer (GV-Mount310 / 310-1, No. 4), then the split washer (GV-Mount310 / 310-1, No. 5), and secure with the screw cap (GV-Mount310 / 310-1, No. 6).



2. Assemble the pendant tube (GV-Mount200, No. 1) with the housing cap (GV-Mount903-1, No. 2) and then the dome housing (GV-Mount903-1, No. 1) with M6 screws (GV-Mount903-1, No. 4).



3. Thread the power (supplied), network (self-prepared) and other wires (supplied) through the pendant tube and the dome housing.
4. For GV-VD3700 / 4700 / 5700, dismantle the back plate from the camera and secure it to the dome housing. For others, secure the supplied back plate to the dome housing.





GV-VD3700/4700/5700

5. Thread the wires into the camera. See *Installation*, *Vandal Proof IP Dome (Part II or Part III)* Chapter, ***GV-IPCam Hardware Manual - VD*** on the software DVD.
6. Secure the camera to the back plate.



GV-VD3700/4700/5700

7. Connect the camera wires with wires from the wall.
8. Secure the plates to the wall with 8 self-prepared screws.
9. Refer to the indicated sections of the manuals on the software DVD:
   A. Access live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   B. Adjust the angle, focus and zoom of the camera. See *Installation*, *Vandal Proof IP Dome (Part II and Part III)* Chapter, ***GV-IPCam Hardware Manual - VD***.
   C. Replace the silica gel bag and secure the housing cover. See *Installation*, *Vandal Proof IP Dome (Part II and Part III)* Chapter, ***GV-IPCam Hardware Manual - VD***.

3.9 Pole Mount with Pendant Tube



Required accessories:

- GV-Mount200
- GV-Mount400-1 / 410-1
- GV-Mount903-1

1. Assemble the pendant tube with housing cap (GV-Mount903-1, No. 2) and then the dome housing (GV-Mount903-1, No. 1) with M6 screws (GV-Mount903-1, No. 4).



2. Secure the pendant tube (GV-Mount200, No. 1) with the mounting bracket (GV-Mount400-1 / 410-1, No. 1). Slide the 30 mm M8 screws (GV-Mount400-1 / 410-1, No. 3) from the front and secure from the backside using plain washer (GV-Mount400-1 / 410-1, No. 5), split washer (GV-Mount400-1 / 410-1, No. 6) and screw cap (GV-Mount400-1 / 410-1, No. 7).





Backside View

3. Thread the power (supplied), network (self-prepared) and other wires (supplied) through the mounting bracket, pendant tube and the dome housing.
4. For GV-VD3700 / 4700 / 5700, dismantle the back plate from the camera and secure it to the dome housing. For others, secure the supplied back plate to the dome housing.

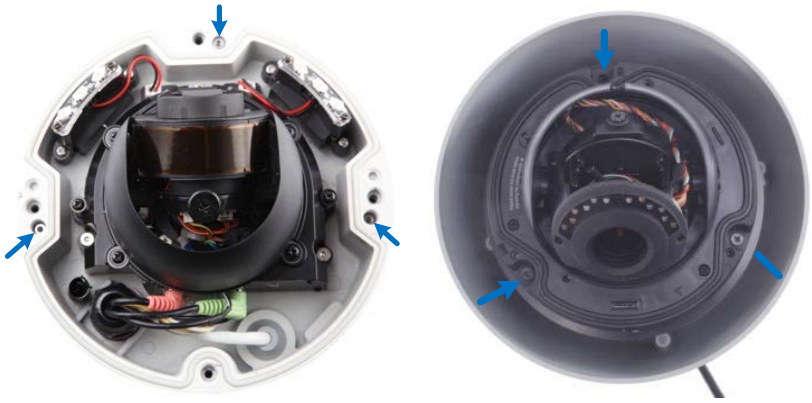




GV-VD3700/4700/5700

5. Thread the wires into the camera. See *Installation, Vandal Proof IP Dome (Part II and Part III) Chapter*, **GV-IPCam Hardware Manua - VD** on the software DVD.

6. Secure the camera to the back plate.



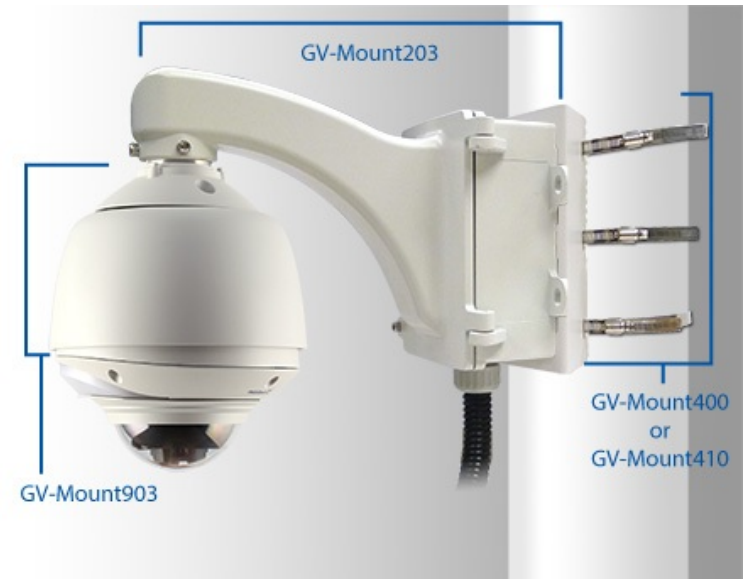
GV-VD3700/4700/5700

7. Connect camera wires with wires from the pole.
8. Secure the mounting bracket to the pole using 3 steel straps (GV-Mount400-1 / 410-1, No. 2). Rotate the screw on the strap to adjust its size.



9. Refer to the indicated sections of the manuals on the software DVD:
   A. Access live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   B. Adjust the angle, focus and zoom of the camera. See *Installation, Vandal Proof IP Dome (Part II and Part III) Chapter*, ***GV-IPCam Hardware Manual - VD***.
   C. Replace the silica gel bag and secure the housing cover. See *Installation, Vandal Proof IP Dome (Part II and Part III) Chapter*, ***GV-IPCam Hardware Manual - VD***.

3.10 Pole Box Mount



Required accessories:

- GV-Mount203
- GV-Mount400-1 / 410-1
- GV-Mount903-1

The user needs to prepare:

- Corrugated tube x 1 (3/4", ø 26.0 ~ 26.5 mm)



1. Assemble the junction box (GV-Mount203, No. 1) with the mounting bracket (GV-Mount400-1 / 410-1, No. 1) with the plain washer (GV-Mount400-1 / 410-1, No. 5), split washers (GV-Mount400-1 / 410-1, No. 6) and then the 25 mm M8 screws (GV-Mount400-1 / 410-1, No. 4).





Backside View

2. Secure the mounting bracket to the pole using 3 steel straps (GV-Mount400-1 / 410-1, No. 2). Rotate the screw on the strap to adjust its size. Face the conduit exit downward.





3. Install the corrugated tube and the tube connector (GV-Mount203, No. 4) to the junction box.
   A. Dismantle the supplied corrugated tube connector. You should have 4 parts.



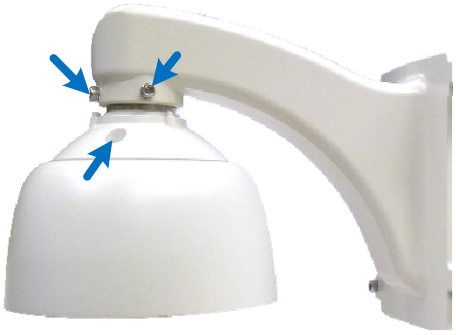
   B. Slide part A and part B to the self-prepared corrugated tube.



   C. Screw part C to the tube.
   D. Thread the necessary wires through the corrugated tube, plug the tube to the junction box and secure with part D.



4. Assemble the pendant tube (GV-Mount203, No. 2), housing cap (GV-Mount903-1, No. 2) and the dome housing (GV-Mount903-1, No. 1) with M6 screws (GV-Mount903-1, No. 4).



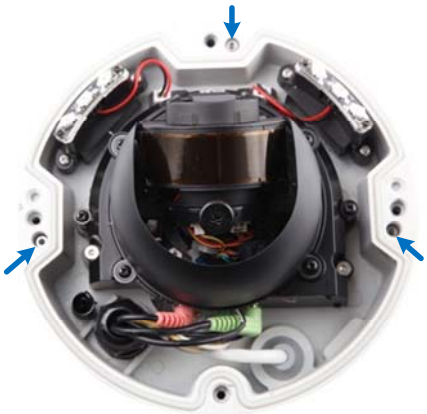
5. Thread the power (supplied), network (self-prepared) and other wires (supplied) through the pendant tube and into the dome housing
6. For GV-VD3700 / 4700 / 5700, dismantle the back plate from the camera and secure it to the dome housing. For others, secure the supplied back plate to the dome housing.





GV-VD3700/4700/5700

7. Thread the wires into the camera. See *Installation, Vandal Proof IP Dome (Part II and Part III) Chapter*, ***GV-IPCam Hardware Manua - VD*** on the software DVD.
8. Secure the camera to the back plate.





GV-VD3700/4700/5700

9. Hinge and hook the pendant tube to the junction box.



10. Connect the wires and close the junction box with M5 screws (GV-Mount203, No. 3) with the torx wrench (GV-Mount203, No. 5)
11. Refer to the indicated sections of the manuals on the software DVD:
    A. Access live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
    B. Adjust the angle, focus and zoom of the camera. See *Installation, Vandal Proof IP Dome (Part II and Part III) Chapter*, ***GV-IPCam Hardware Manual - VD***.
    C. Replace the silica gel bag and secure the housing cover. See *Installation, Vandal Proof IP Dome (Part II and Part III) Chapter*, ***GV-IPCam Hardware Manual - VD***.

3.11 Power Box Mount

The information in this section does not apply to GV-VD3700 / 4700 / 5700.



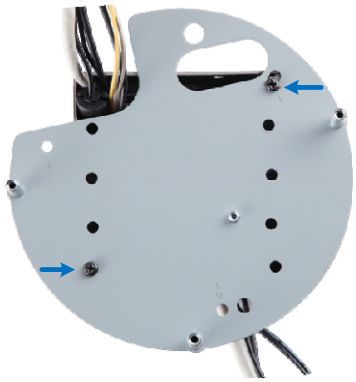


The user needs to prepare

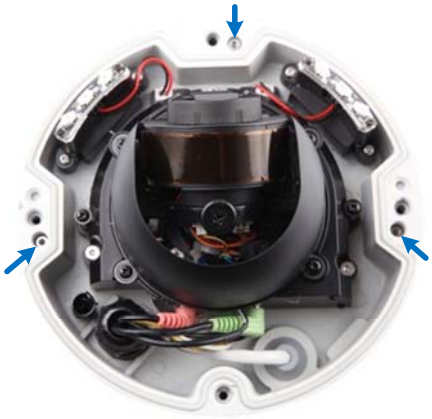
- Screws for securing the camera to power box

Supported Power Box Types			
Single Gang	**Double Gang**	**4'' Octagon**	**4'' Square**
	✓		✓

1. Thread the power (supplied), network (self-prepared) and other wires (supplied) through the power box and the supplied back plate and then secure the back plate to the power box with self-prepared screws.



2. Thread the wires into the camera. See steps 1 to 4 in *Installation*, *Vandal Proof IP Dome (Part II)* Chapter, ***GV-IPCam Hardware Manual - VD*** on the software DVD.
3. Secure the camera to the back plate with the supplied torx wrench.



4. Refer to the indicated sections of the manuals on the software DVD:
   A. Access live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   B. Adjust the angle, focus and zoom of the camera. See step 9 in *Installation*, *Vandal Proof IP Dome (Part II)* Chapter, ***GV-IPCam Hardware Manual - VD***.
   C. Replace the silica gel bag and secure the housing cover. See step 10 in *Installation*, *Vandal Proof IP Dome (Part II)* Chapter, ***GV-IPCam Hardware Manual - VD***.

3.12 In-Ceiling Mount

The information in this section does not apply to GV-VD3700 / 4700 / 5700.

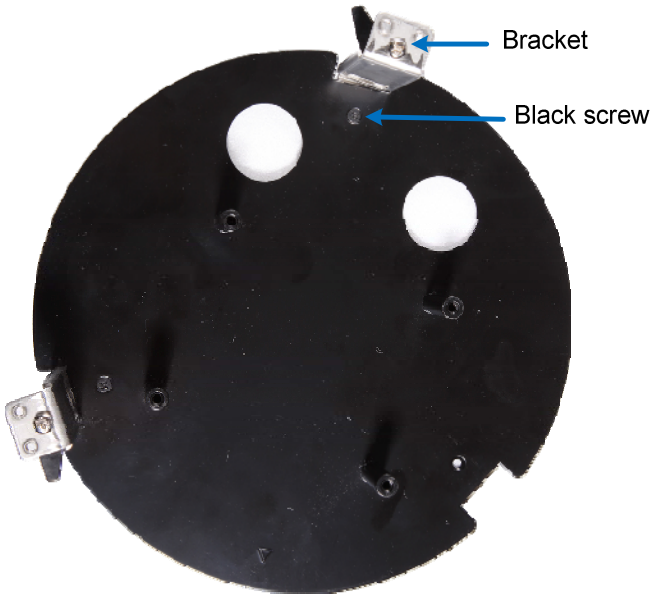


The thickness of the ceiling board must not exceed 4 cm (1.57 in).

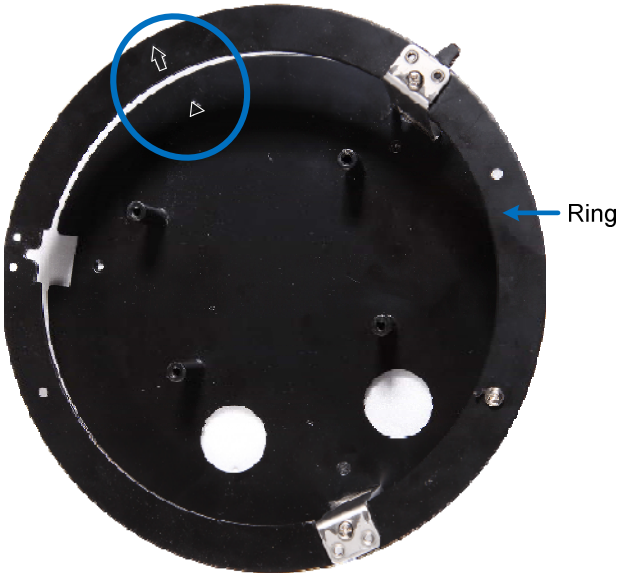
Required accessories:

- GV-Mount914

1. Assemble the in-ceiling casing.
   A. Secure two brackets (GV-Mount914, No. 1) to the in-ceiling plate (GV-Mount914, No. 2) with black screws (GV-Mount914, No. 3).

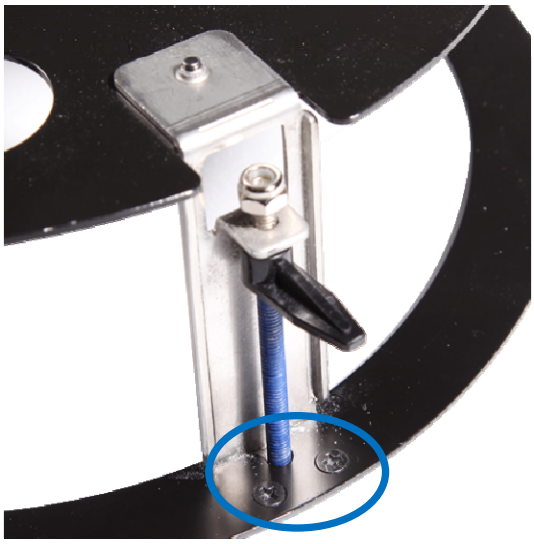


B. Assemble the in-ceiling ring (GV-Mount914, No. 4). Make sure the arrows point to the same direction.



C. Assemble the third bracket and secure it with a black screw (GV-Mount914, No. 3).

D. Secure the brackets on the underside with black screws (GV-Mount914, No. 3).



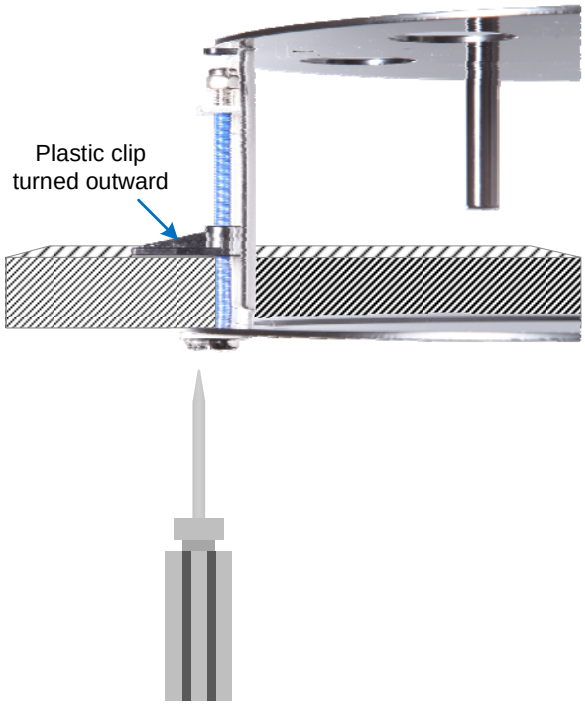
2. Paste the sticker (GV-Mount914, No. 5) to the ceiling, and then remove the part of the ceiling with sticker on.



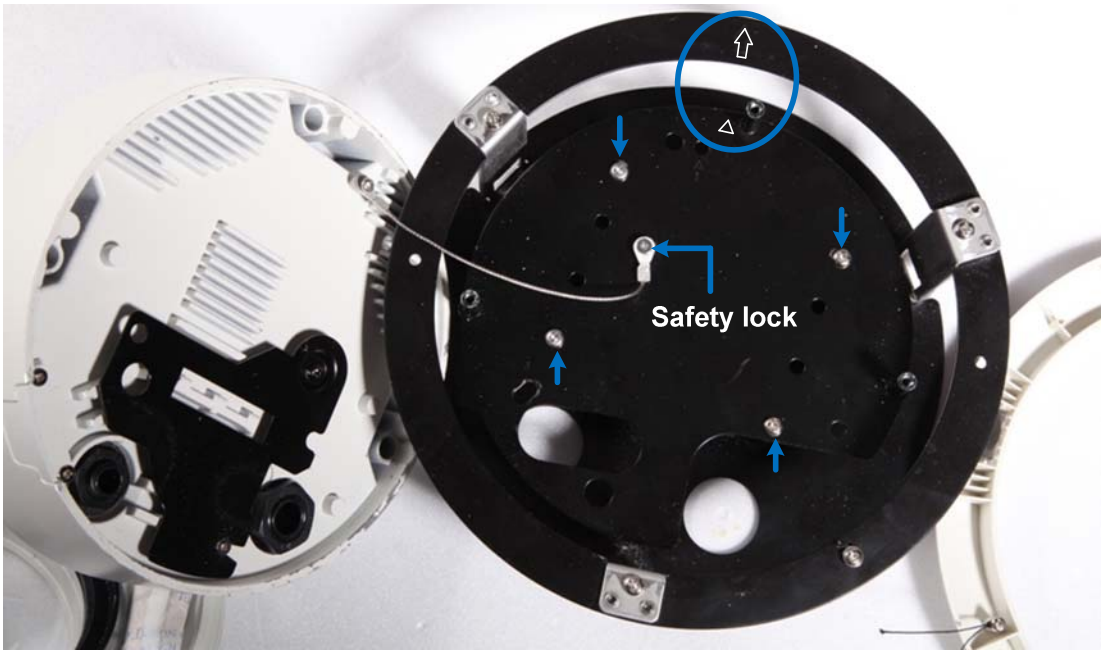
3. Secure the casing into the ceiling.
   A. Thread the necessary wires through the casing.
   B. Insert the casing into the ceiling and make sure the plastic clip is turned outward.

IMPORTANT: Make sure the arrow points (see step 1B) to the camera's viewing direction.

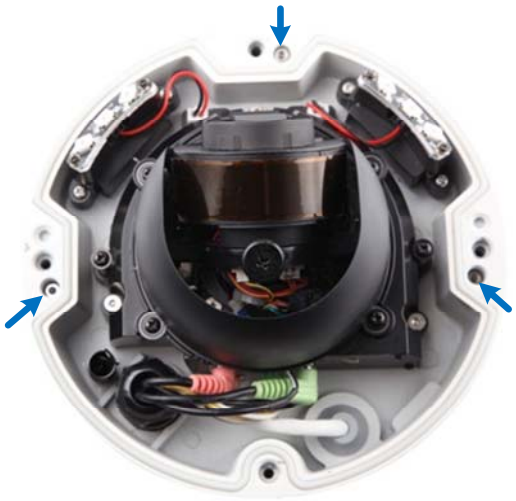
   C. Tighten the bracket to clip the casing to the ceiling.



4. Secure the back plate (standard package) to the in-ceiling plate using the round screws (GV-Mount914, No. 6) and secure the safety lock (standard package). Align the arrow of the back plate with the in-ceiling ring.



5. Connect the wires to the camera. For details, see steps 1 to 4, *Installation*, *Vandal Proof IP Dome (Part II) Chapter*, ***GV-IPCam Hardware Manual - VD*** on the software DVD.
6. Secure the camera to the back plate using the torx wrench (standard package).



7. Refer to the indicated sections of the manuals on the software DVD:
   A. Access live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   B. Adjust the angle, focus and zoom of the camera. See step 9 in *Installation*, *Vandal Proof IP Dome (Part II)* Chapter, ***GV-IPCam Hardware Manual - VD***.
   C. Replace the silica gel bag and secure the housing cover. See step 10 in *Installation*, *Vandal Proof IP Dome (Part II)* Chapter, ***GV-IPCam Hardware Manual - VD***.

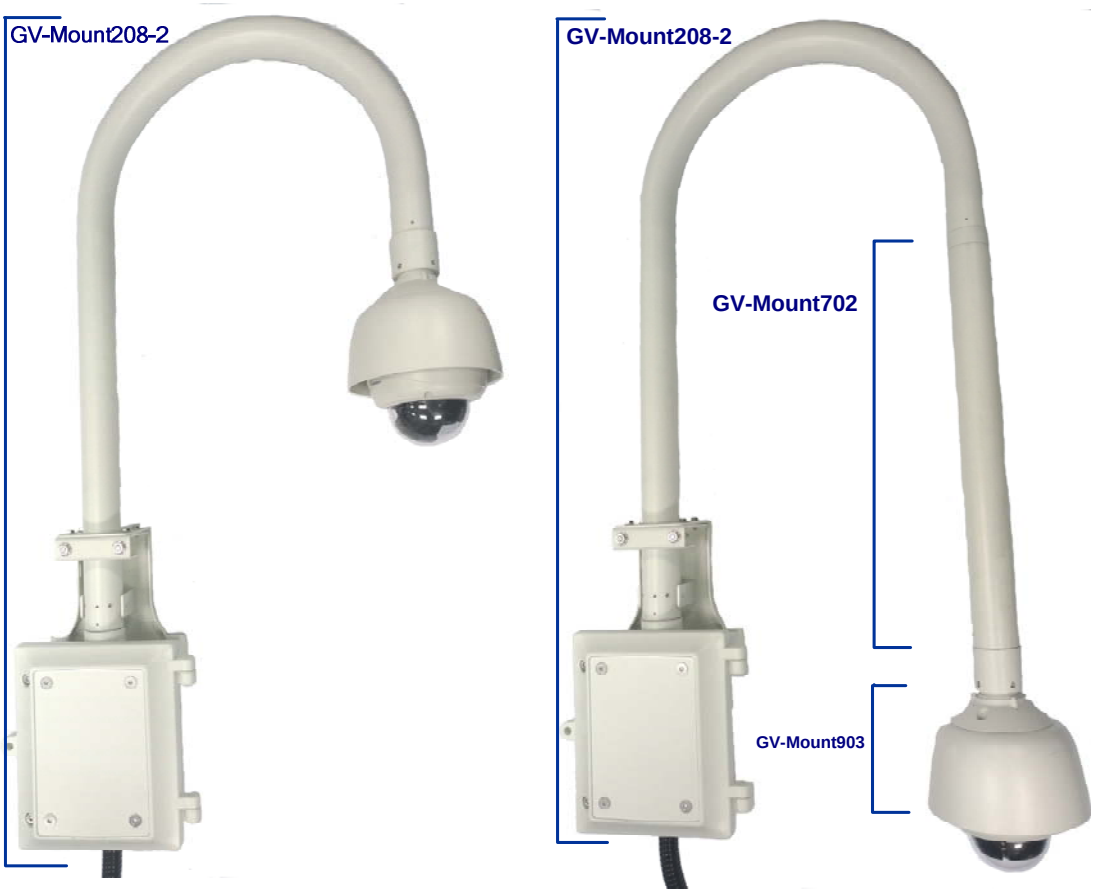
8. Secure the in-ceiling cover (GV-Mount914, No. 7) to the in-ceiling ring with the thread screw (GV-Mount914, No.8) and install the ring to the camera.



Note: Make sure the markings on the ring align with the arrow (casing).



3.13 Swan Neck Mount



Required accessories:

- GV-Mount208-2
- GV-Mount903-1

The user needs to prepare:

- Screws for wall x 4
- Corrugated tube x 1 (3/4'', ø 26.0 ~ 26.5 mm)



- Adjustable wrench x 1

Optionally extend with:

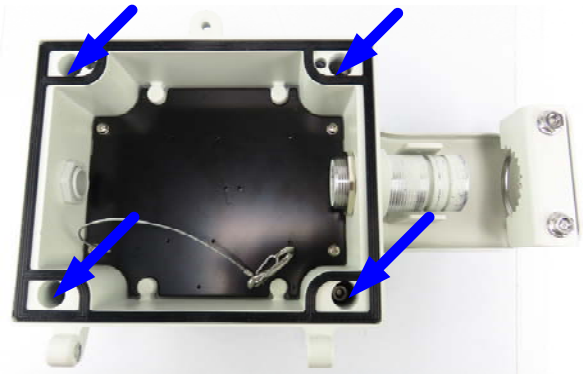
- GV-Mount702

3 Installing the Vandal Proof IP Dome (Part II)

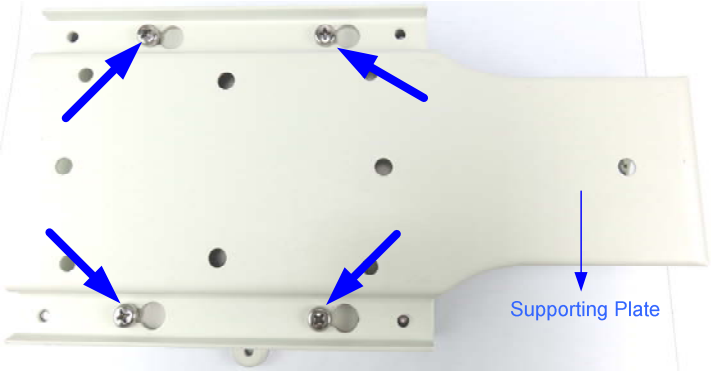
1. Loosen the indicated two screws of the junction box (GV-Mount208-2, No. 7) using No. 6 torx wrench (GV-Mount208-2, No. 4) and open the box cover.



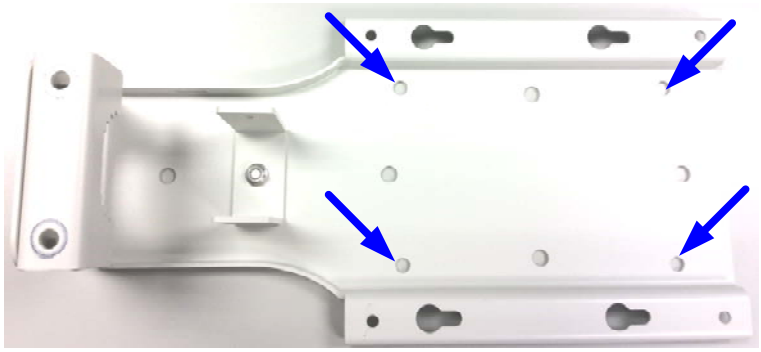
2. Loosen the 4 screws in the holes of the junction box using No. 6 torx wrench (GV-Mount208-2, No. 4) without removing them.



3. Turn over the junction box and loosen the four screws in the back with a Philips screwdriver to remove the supporting plate.



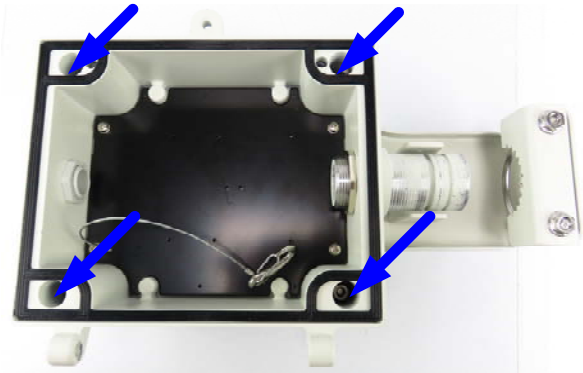
4. Secure the supporting plate to the wall with the 4 self-prepared screws.



5. Hang the junction box onto the supporting plate. Slide the box sideway to lodge the 4 screws with the plate.



6. Fasten the 4 screws in the holes of the junction box.



7. Hinge and hook the box cover to the junction box.



8. Assemble the supplied corrugated tube connector with the self-prepared corrugated tube and the junction box.

   A. Dismantle the supplied corrugated tube connector. You should have 4 parts.

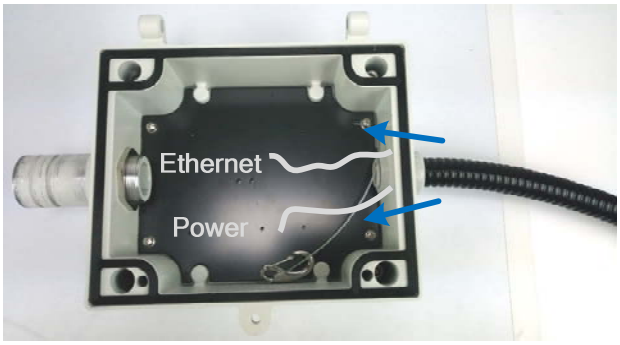


   B. Slide part A and part B to the self-prepared corrugated tube.

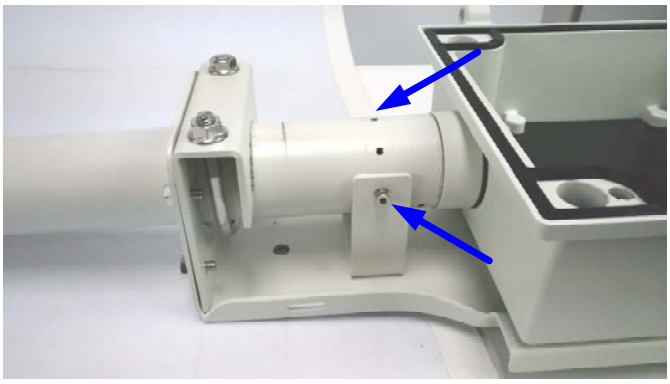


   C. Screw part C to the tube.

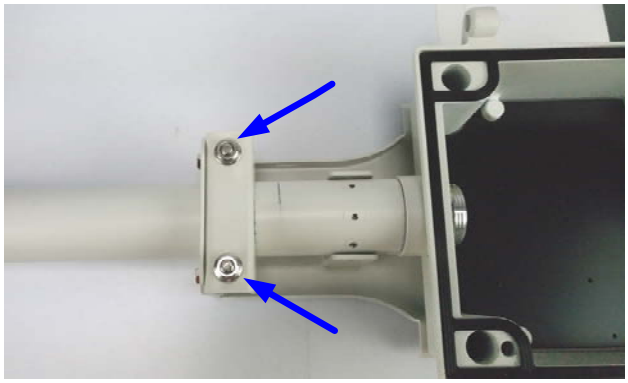
   D. Thread the power, network and other wires from the wall through the corrugated tube into the junction box and secure it with part D.



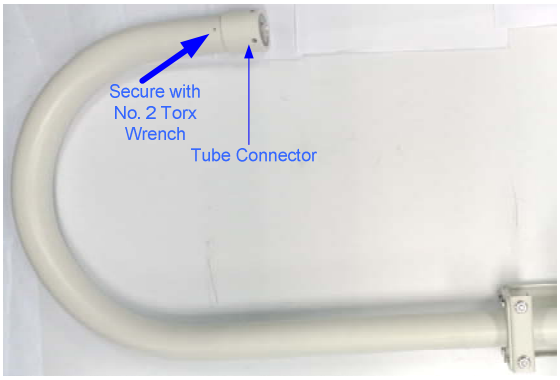
9. Connect the swan neck stainless tube (GV-Mount208-2, No. 5) with the junction box and fasten the washers (GV-Mount208-2, No. 6) on the two sides of the swan neck tube with No. 3 Torx Wrench (GV-Mount208-2, No. 2). Adjust the swan neck tube to suit your needs while you connect them.



10. Fasten the screws on the top of the swan neck with the self-prepared adjustable wrench.



11. Secure the tube connector (GV-Mount208-2, No. 8) to the swan neck stainless tube with No.2 torx wrench (GV-Mount208-2, No. 1). Thread the wires and cables through the tube.



12. Assemble the tube connector (GV-Mount208-2, No. 8), housing cap (GV-Mount903-1, No. 2) and then the dome housing (GV-Mount903-1, No.1) with M6 screws (GV-Mount903-1, No. 4).
13. Thread the power (supplied), network (self-prepared) and other wires (supplied) through the dome housing.

14. For GV-VD3700 / 4700 / 5700, dismantle the back plate from the camera and secure it to the dome housing. For others, secure the supplied back plate to the dome housing.



GV-VD3700/4700/5700

15. Thread the wires into the camera. See *Installation*, *Vandal Proof IP Dome (Part II or Part III)* Chapter, ***GV-IPCam Hardware Manual - VD*** on the software DVD.
16. Secure the camera to the back plate.



GV-VD3700/4700/5700

17. Secure the box cover by fastening the 2 screws.



18. Refer to the indicated sections of the manuals on the software DVD:

A. Access live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.

B. Adjust the angle, focus and zoom of the camera. See *Installation*, *Vandal Proof IP Dome (Part II and Part III)* Chapter, ***GV-IPCam Hardware Manual - VD***.

C. Replace the silica gel bag and secure the housing cover. See *Installation, Vandal Proof IP Dome (Part II and Part III)* Chapter, ***GV-IPCam Hardware Manual - VD***.

4. Installing the Fixed IP Dome

4.1 Basic Installation

4.1.1 Assembling the Fixed IP Dome with the Dome Housing



Required accessories:

- GV-Mount902

1. Unpack the camera package and remove the camera body.



2. Secure the camera body to the housing plate (GV-Mount902, No. 6) with 3 small screws (GV-Mount902, No. 7).



3. Secure the plate to the dome housing with M4 screws (GV-Mount902, No. 3).



4. Secure the housing cap and the dome housing with M6 screws (GV-Mount902, No. 4).



4.1.2 Putting on the Housing Cover

1. Secure the right and left rack (GV-Mount902, No. 5) to the housing cover.



2. Secure the housing cover to the camera with M4 screws (GV-Mount902, No. 3).



4.2 Straight Tube Box Mount





Required accessories:

- GV-Mount100
- GV-Mount902

The user needs to prepare:

- Screws for ceiling x 4
- Corrugated tube x 1 (3/4'', ø 26.0 ~ 26.5 mm)



Optionally extend with:

- GV-Mount702

1. Assemble the camera with the dome housing. See *4.1.1 Assembling the Fixed IP Dome with the Dome Housing*.
2. Secure the junction box (GV-Mount100, No. 1) to the ceiling with 4 self-prepared screws.



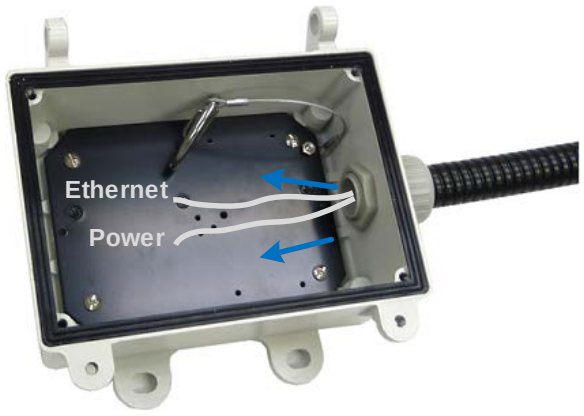
3. Assemble the corrugated tube connector (GV-Mount100, No. 6) with the self-prepared corrugated tube.
   A. Dismantle the supplied corrugated tube connector. You should have 4 parts.



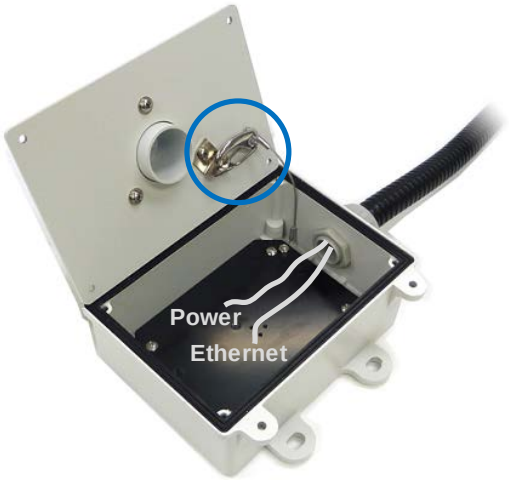
   B. Slide part A and part B to the self-prepared corrugated tube.



   C. Screw part C to the tube.
   D. Thread the necessary wires and cables through the corrugated tube, plug the tube to the junction box and secure with part D.



4. Thread the wires and cables through the box cover (GV-Mount100, No. 2), hook the box cover and secure it with M5 flat screws (GV-Mount100, No. 5).

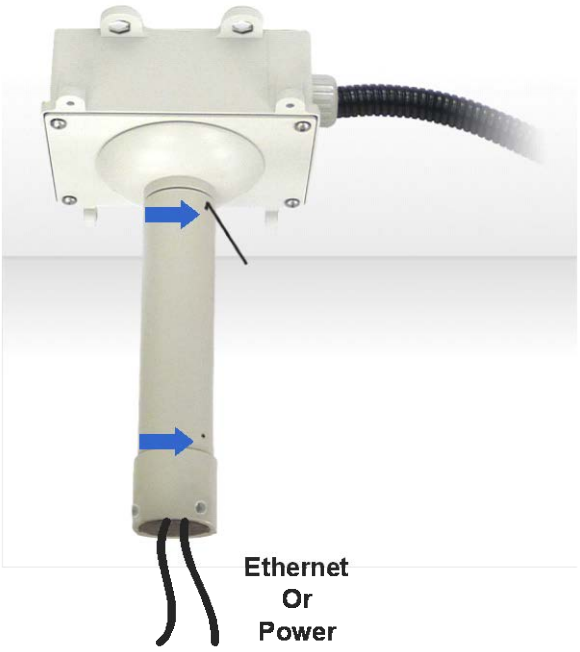




5. Assemble the tube (GV-Mount100, No. 3) and the tube connector (GV-Mount100, No. 4).



6. Thread the wires and cables through the tube, assemble the tube to the box cover and tighten the torxes with the supplied torx wrench (GV-Mount100, No. 7).



7. Thread the wires and cables through the housing cap (GV-Mount902, No. 2) and secure the tube to the end of the housing cap with M6 screws (GV-Mount902, No. 4).
8. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the network, power and other cables to the camera. See *Connecting the Camera*, *Fixed IP Dome* Chapter, ***GV-IPCam Hardware Manual - FD***.
   B. Adjust the angle, focus and zoom of the camera. See steps 6 and 7 in *Hard-Ceiling Mount*, *Fixed IP Dome* Chapter, ***GV-IPCam Hardware Manual - FD.***
9. Put on the housing cover. See *4.1.2 Putting on the Housing Cover*.

4.3 Straight Tube Mount



Required accessories:

- GV-Mount101
- GV-Mount902

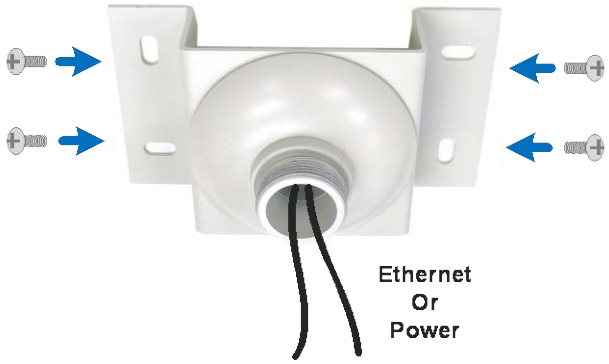
The user needs to prepare:

- Screws for ceiling x 4

Optionally extend with:

- GV-Mount702

1. Assemble the camera with the dome housing. See *4.1.1 Assembling the Fixed IP Dome with the Dome Housing*.
2. Thread the necessary cables and wires from the ceiling through the mounting bracket (GV-Mount101, No. 1) and secure the bracket to the ceiling with 4 self-prepared screws.



3. Assemble the tube (GV-Mount101, No. 2) and the tube connector (GV-Mount101, No. 3).



4. Thread the cables and wires into the tube, assemble the tube to the pendant mount bracket and tighten the torxes with the supplied torx wrench (GV-Mount101, No. 4).



5. Thread the cables and wires into the dome housing and connect the network, power and other cables. See *Connecting the Camera*, *Fixed IP Dome* Chapter, ***GV-IPCam Hardware Manual- FD*** on the software DVD.

6. Secure the tube to the end of the housing cap (GV-Mount902, No. 2) with M6 screws (GV-Mount101, No. 4).



7. Refer to the indicated sections of the manuals on the software DVD:
   A. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   B. Adjust the angle, focus and zoom of the camera. See steps 6 and 7 in *Hard-Ceiling Mount*, *Fixed IP Dome* Chapter, ***GV-IPCam Hardware Manual - FD***.
8. Put on the housing cover. See *4.1.2 Putting on the Housing Cover*.

4.4 Wall Mount



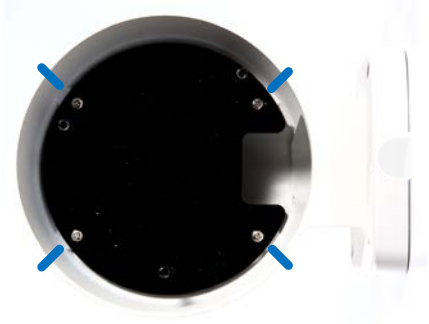
Required accessories:

- GV-Mount205

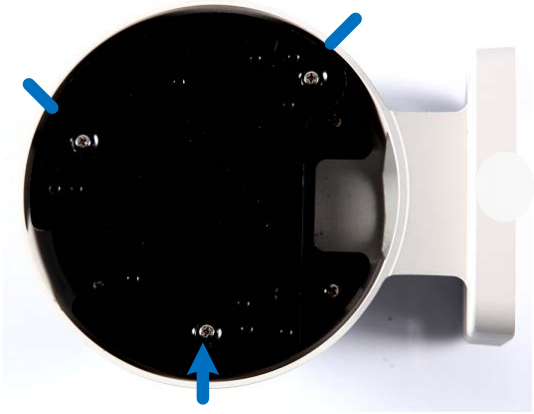
1. Take the wall mount bracket (GV-Mount205, No. 1) and make 4 marks on the wall for screw anchors.



2. Drill the marks and insert 4 screw anchors (GV-Mount205, No. 6).
3. Align and secure the mounting plate (GV-Mount205, No. 2) to the wall mount bracket with 4 M4 screws (GV-Mount205, No. 4).



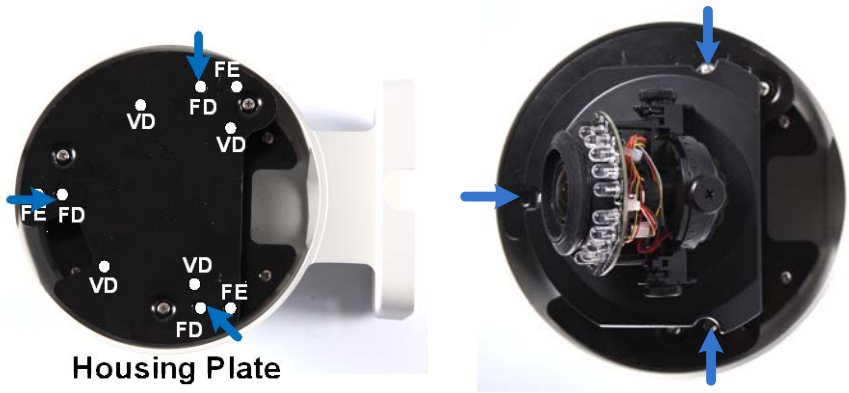
4. Align and secure the housing plate (GV-Mount205, No. 3) to the mounting plate with 3 M4 screws (GV-Mount205, No. 4).



5. Unpack and remove the camera cover with supplied torx wrench.



6. Align and secure the camera body to the housing plate with 3 M4 screws (GV-Mount205, No. 4).



7. Thread the camera cables through the wall mount bracket.



8. Secure the wall mount bracket to the wall with 40 mm M4 screws (GV-Mount205, No. 5) and plain washers (GV-Mount205, No. 7).
9. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the network, power and other cables to the camera. See *Connecting the Camera*, *Fixed IP Dome* Chapter, ***GV-IPCam Hardware Manual - FD***.
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   C. Adjust the angle, focus and zoom, and secure the housing cover. See steps 6 to 8 in *Hard-Ceiling Mount*, *Fixed IP Dome* Chapter, ***GV-IPCam Hardware Manual - FD***.

4.5 Wall Box Mount



Required accessories:

- GV-Mount909

1. Take the wall mount bracket (GV-Mount909, No. 1) and make 4 marks on the wall for screw anchors.

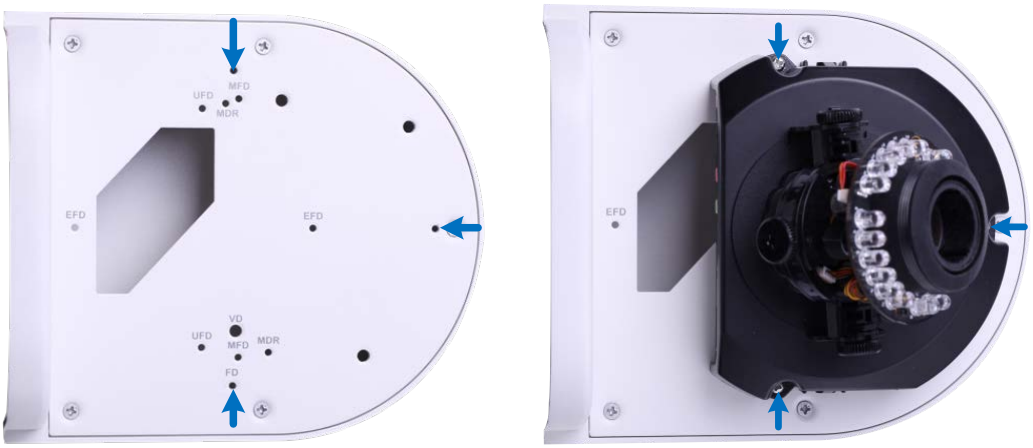


2. Drill the marks and insert screw anchors (GV-Mount909, No. 2).
3. Secure the wall mount bracket to the wall with wall mount screws (GV-Mount909, No. 3).

4. Unpack and remove the camera cover with the supplied torx wrench.



5. Align and secure the camera body to the wall mount bracket with three M3 screws (GV-Mount909, No. 4).



6. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the network, power and other cables to the camera. See *Connecting the Camera*, *Fixed IP Dome* Chapter, ***GV-IPCam Hardware Manual - FD***.
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   C. Adjust the angle, focus and zoom, and secure the housing cover. See steps 6 to 8 in *Hard-Ceiling Mount*, *Fixed IP Dome* Chapter, ***GV-IPCam Hardware Manual - FD***.

4.6 Wall Pendant Mount



Required accessories:

- GV-Mount200
- GV-Mount902

The user needs to prepare:

- Screws for wall x 4

1. Assemble the camera with the dome housing. See *4.1.1 Assembling the Fixed IP Dome with the Dome Housing*.
2. On the installation site, thread the necessary cables and wires from the wall through the pendant tube (GV-Mount200, No. 1), and secure the tube to the wall with 4 screws of your choice.



3. Thread the cables and wires into the dome housing and secure the pendant tube to the end of the housing cap (GV-Mount902, No. 2) with M6 screws (GV-Mount902, No. 4).



4. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the network, power and other cables to the camera. See *Connecting the Camera*, *Fixed IP Dome* Chapter, ***GV-IPCam Hardware Manual - FD***.
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   C. Adjust the angle, focus and zoom. See steps 6 and 7 in *Hard-Ceiling Mount*, *Fixed IP Dome* Chapter, ***GV-IPCam Hardware Manual - FD***.
5. Put on the housing cover. See *4.1.2 Putting on the Housing Cover*.

4.7 Convex Corner Mount



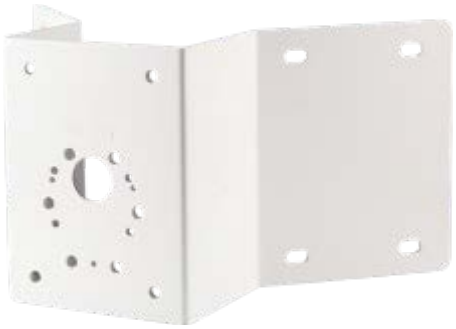
Required accessories:

- GV-Mount200
- GV-Mount300-1
- GV-Mount902

The user needs to prepare:

- Screws for wall x 8

1. Assemble the camera with the dome housing. See *4.1.1 Assembling the Fixed IP Dome with the Dome Housing*.
2. Assemble the mounting plates (GV-Mount300-1, No. 1), slide in the plain washer (GV-Mount300-1, No. 4), then the split washer (GV-Mount300-1, No. 5), and secure them with the screw cap (GV-Mount300-1, No. 6).



3. Secure the pendant tube (GV-Mount200, No. 1) to the plate. Slide the 30 mm M8 screws (GV-Mount300-1, No. 2) from the front and secure from the backside using plain washers (GV-Mount300-1, No. 4), split washers (GV-Mount300-1, No. 5) and the M8 screw caps (GV-Mount300-1, No. 6).





Backside View

4. Thread the necessary wires and cables through the pendant tube and secure the plate to the wall with 8 self-prepared screws.
5. Thread the wires and cables into the dome and connect the network, power and other cables to the camera. See *Connecting the Camera*, *Fixed IP Dome* Chapter, ***GV-IPCam Hardware Manual – FD*** on the software DVD.
6. Secure the pendant tube to the end of the housing cap (GV-Mount902, No. 2) with M6 screws (GV-Mount902, No. 4).
7. Refer to the indicated sections of the manuals on the software DVD:
   A. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   B. Adjust the angle, focus and zoom. See steps 6 and 7 in *Hard-Ceiling Mount*, *Fixed IP Dome* Chapter, ***GV-IPCam Hardware Manual - FD***.
8. Put on the housing cover. See *4.1.2 Putting on the Housing Cover*.

4.8 Convex Corner Box Mount



Required accessories:

- GV-Mount203
- GV-Mount300-1
- GV-Mount902

The user needs to prepare:

- Screws for wall x 8
- Corrugated tube x 1 (3/4”, ø 26.0 ~ 26.5 mm)



1. Assemble the camera with the dome housing. See *4.1.1 Assembling the Fixed IP Dome with the Dome Housing*.
2. Assemble the mounting plates (GV-Mount300-1, No. 1), slide in the plain washer (GV-Mount300-1, No. 4), then the split washer (GV-Mount300-1, No. 5), and secure them with the screw cap (GV-Mount300-1, No. 6).



3. Secure the junction box (GV-Mount203, No. 1) to the mounting plate from the back side using the 25 mm M8 screw (GV-Mount300-1, No. 3), plain washer (GV-Mount300-1, No. 4), split washer (GV-Mount300-1, No. 5) and the M8 screw cap (GV-Mount300-1, No. 6).





Back View

4. Secure the mounting plate to the wall with 8 self-prepared screws. Face the conduit exit downward.
5. Assemble the corrugated tube connector (GV-Mount203, No. 4) with the self-prepared corrugated tube.
   A. Dismantle the supplied corrugated tube connector. You should have 4 parts.

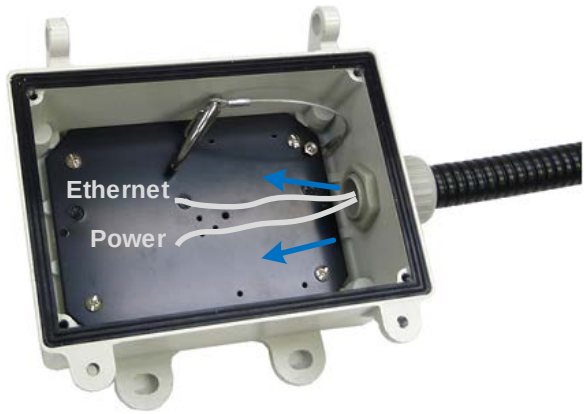


   B. Slide part A and part B to the self-prepared corrugated tube.



   C. Screw part C to the tube.

D. Thread the necessary wires and cables through the corrugated tube, plug the tube to the box and secure with part D.



6. Hinge and hook the pendant tube (GV-Mount203, No. 2) to the junction box.



7. Thread the wires and cables through the pendant tube into the dome housing and connect them to the camera. See *Connecting the Camera*, *Fixed IP Dome* Chapter, ***GV-IPCam Hardware Manual – FD*** on the software DVD.
8. Secure the pendant tube to the end of the housing cap (GV-Mount902, No. 2) with M6 screws (GV-Mount902, No. 4).



9. Conceal the junction box with M5 screws using the torx wrench (GV-Mount203, No. 5).
10. Refer to the indicated sections of the manuals on the software DVD:
    A. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
    B. Adjust the angle, focus and zoom. See steps 6 and 7 in *Hard-Ceiling Mount*, *Fixed IP Dome* Chapter, ***GV-IPCam Hardware Manual - FD***.
11. Put on the housing cover. See *4.1.2 Putting on the Housing Cover*.

4.9 Concave Corner Mount



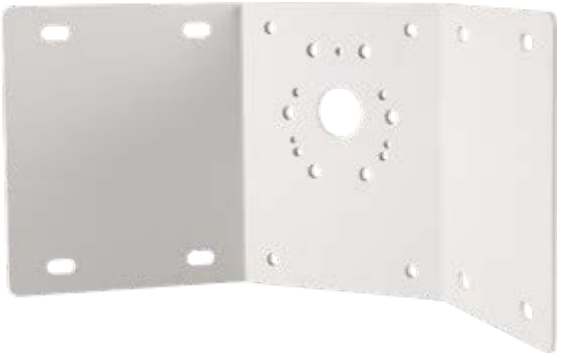
Required accessories:

- GV-Mount200
- GV-Mount310-1
- GV-Mount902

The user needs to prepare:

- Screws for wall x 8

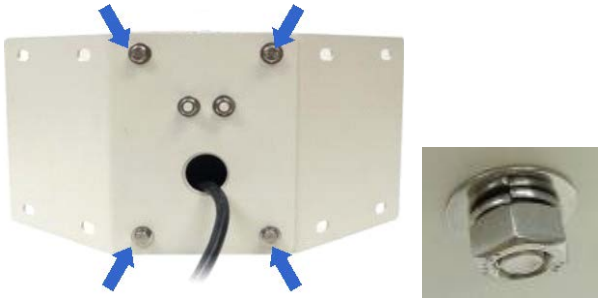
1. Assemble the camera with the dome housing. See *4.1.1 Assembling the Fixed IP Dome with the Dome Housing*.
2. Assemble the mounting plates (GV-Mount310-1, No. 1), slide in the plain washer (GV-Mount310-1, No. 3), then the split washer, and secure them with the screw cap.



3. Secure the pendant tube (GV-Mount200, No. 1) to the plate. Slide the 30 mm M8 screws (GV-Mount310-1, No. 2) from the front and secure from the back using plain washers (GV-Mount310-1, No. 3), split washers (GV-Mount310-1, No. 4) and the M8 screw caps (GV-Mount310-1, No. 5).



Front View



Back View

4. Thread the necessary wires and cables through the pendant tube and secure the plate to the wall with 8 self-prepared screws.
5. Connect the network, power and other cables to the camera. See *Connecting the Camera*, *Fixed IP Dome* Chapter, ***GV-IPCam Hardware Manual - FD*** on the software DVD.
6. Secure the pendant tube to the end of the housing cap (GV-Mount902, No. 2) with M6 screws (GV-Mount902, No. 4).
7. Refer to the indicated sections of the manuals on the software DVD:
   A. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   B. Adjust the angle, focus and zoom. See steps 6 and 7 in *Hard-Ceiling Mount*, *Fixed IP Dome* Chapter, ***GV-IPCam Hardware Manual - FD***.
8. Put on the housing cover. See *4.1.2 Putting on the Housing Cover*.

4.10 Pole Mount



Required accessories:

- GV-Mount200
- GV-Mount400-1 / 410-1
- GV-Mount902

1. Assemble the camera with the dome housing. See *4.1.1 Assembling the Fixed IP Dome with the Dome Housing*.
2. Secure the pendant tube (GV-Mount200, No. 1) to the mounting bracket (GV-Mount400-1 / 410-1, No. 1). Slide the 30 mm M8 screws (GV-Mount400-1 / 410-1, No. 3) from the front and secure from the backside using plain washer (GV-Mount400-1 / 410-1, No. 5), split washer (GV-Mount400-1 / 410-1, No. 6) and screw cap (GV-Mount400-1 / 410-1, No. 7).





Backside View

3. Thread the necessary wires and cables through the pendant tube and secure the mounting bracket to the pole using 3 steel straps (GV-Mount400-1 / 410-1, No. 2). Rotate the screw on the strap to adjust its size.





4. Thread the wires and cables into the dome housing and connect the network, power and other cables to the camera. See *Connecting the Camera*, *Fixed IP Dome* Chapter, ***GV-IPCam Hardware Manual - FD*** on the software DVD.
5. Secure the pendant tube to the end of the housing cap (GV-Mount902, No. 2) with M6 screws (GV-Mount902, No. 4).
6. Refer to the indicated sections of the manuals on the software DVD:
   A. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   B. Adjust the angle, focus and zoom. See steps 6 and 7 in *Hard-Ceiling Mount*, *Fixed IP Dome* Chapter, ***GV-IPCam Hardware Manual - FD***.
7. Put on the housing cover. See *4.1.2 Putting on the Housing Cover*.

4.11 Pole Box Mount



Required accessories:

- GV-Mount203
- GV-Mount400-1 / 410-1
- GV-Mount902

The user needs to prepare:

- Corrugated tube x 1 (3/4", ø 26.0 ~ 26.5 mm)



1. Assemble the camera with the dome housing. See *4.1.1 Assembling the Fixed IP Dome with the Dome Housing*.

2. Assemble the mounting bracket (GV-Mount400-1 / 410-1, No. 1) and the junction box (GV-Mount203, No. 1) from the backside using 25 mm M8 screws (GV-Mount400-1 / 410-1, No. 4), plain washer (GV-Mount400-1 / 410-1, No. 5) and split washers (GV-Mount400-1 / 410-1, No. 6).





Backside View

3. Secure the mounting bracket to the pole using 3 steel straps (GV-Mount400-1 / 410-1, No. 2). Rotate the screw on the strap to adjust its size. Face the conduit exit downward.





4. Assemble the corrugated tube connector (GV-Mount203, No. 4) with the self-prepared corrugated tube.

   A. Dismantle the supplied corrugated tube connector. You should have 4 parts.

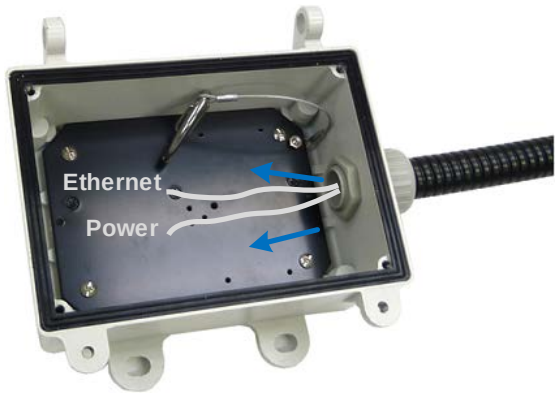


   B. Slide part A and part B to the self-prepared corrugated tube.



   C. Screw part C to the tube.

D. Thread the necessary wires and cables through the corrugated tube, plug the tube to the box and secure with part D.



5. Hinge and hook the pendant tube (GV-Mount203, No. 2) to the junction box.



6. Thread the wires and cables through the pendant tube into the dome housing and connect the network, power and other cables to the camera. See *Connecting the Camera*, *Fixed IP Dome* Chapter, ***GV-IPCam Hardware Manual- FD*** on the software DVD.
7. Secure the pendant tube to the end of the housing cap (GV-Mount902, No. 2) with M6 screws (GV-Mount902, No. 4).
8. Conceal the junction box with M5 screws (GV-Mount203, No. 3) using the torx wrench (GV-Mount203, No. 5).
9. Refer to the indicated sections of the manuals on the software DVD:
   A. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   B. Adjust the angle, focus and zoom. See steps 6 and 7 in *Hard-Ceiling Mount*, *Fixed IP Dome* Chapter, ***GV-IPCam Hardware Manual - FD***.
10. Put on the housing cover. See *4.1.2 Putting on the Housing Cover*.

4.12 Power Box Mount





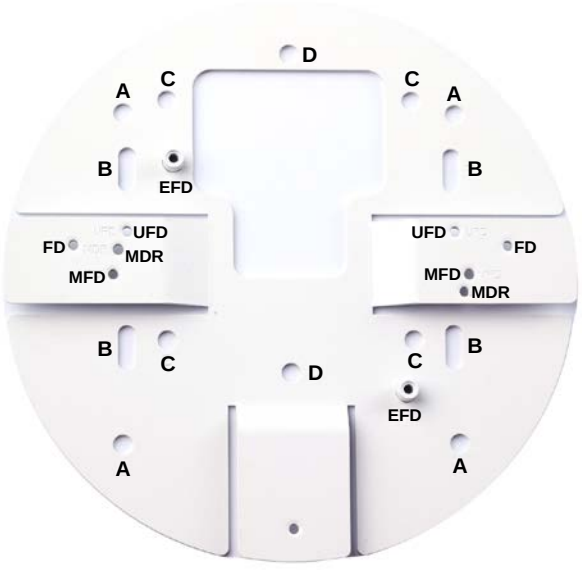
Required accessories:

- GV-Mount913

The user needs to prepare

- Screws for securing the mounting plate to power box

1. Secure the mounting plate (GV-Mount913, No. 1) to the power box with your own screws. Depending on the type of power box, use the holes indicated with the corresponding letter:



Type of Power Box	Hole
4'' Square	A
Double Gang	B
4'' Octagon	C
Single Gang	D

2. Unpack the camera.



3. Secure the camera to the mounting plate with M3 screws (GV-Mount913, No. 2). Use the holes indicated with “FD” to help you align the camera.



4. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the cables and wires. See *Connecting the Camera*, *Fixed IP Dome* Chapter, ***GV-IPCam Hardware Manual - FD***.
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   C. Adjust the angle, focus and zoom. See steps 6 and 7 in *Hard-Ceiling Mount*, *Fixed IP Dome* Chapter, ***GV-IPCam Hardware Manual - FD***.
5. Follow step 2 to put on the camera cover.

5. Installing the Fisheye Camera

5.1 Dome Housing

5.1.1 All Models except GV-EFER3700 / GV-EFER3700-W / GV-QFER12700



Required accessories:

- GV-Mount903-1

1. Align the embossed arrow of the housing cap (GV-Mount903-1, No. 2) with the arrow inside the dome housing (GV-Mount903-1, No. 1) and secure them with three M6 screws (GV-Mount903-1, No. 4).





Tip: The flat hole on the housing cap should be fitted with the hole on the housing cover without any indent.

2. For **GV-FE3402 / 3403 / 5302 / 5303** and **GV-FER3402 / 3403 / 5302 / 5303**, install the camera piers.

   A. Fasten the camera pier (GV-Mount903-1, No. 5) into the dome housing (GV-Mount903-1, No. 1).



   B. Thread the camera cable through the dome housing and secure the camera to the piers using flat M4 screws (GV-Mount903-1, No. 6).



3. For **GV-FE2301 / 4301** and **GV-FER521**, place the camera body to the dome housing. Make sure the camera cable is at the top of the dome housing arrow. Secure with three M4 screws (GV-Mount903-1, No. 3).





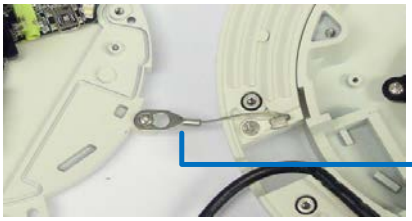
4. For **GV-FER5701** / **12203 / 12700**, secure the camera back plate to the dome housing with three M4 screws (GV-Mount903-1, No. 3) and then secure the camera body onto the back plate.





5. Place the camera cover on the camera and fasten the screws with the supplied torx wrench. For GV-FER5701 / 12203 / 12700 and cameras with an IR LED ring, secure its safety lock to the camera and then fasten the screws.





5.1.2 GV-EFER3700 / GV-EFER3700-W / GV-QFER12700



Required accessories:

- GV-Mount903-1
- GV-Mount903-2 (only for GV-QFER12700)

1. Align the embossed arrow of the housing cap (GV-Mount903-1 / 903-2, No. 2) with the arrow inside the dome housing (GV-Mount903-1, No. 1) and secure them with the supplied M6 screws (GV-Mount903-1 / 903-2, No. 4).



Tip: The flat hole on the housing cap should be fitted with the hole on the housing cover without any indent.

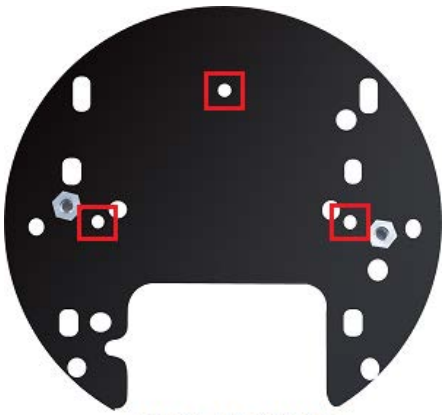
2. Assemble the housing plates to the dome housing.
   A. For **GV-Mount901-1**, secure the Bottom Plate (GV-Mount901-1, No. 8) to the dome housing with the supplied flat M4 screws (GV-Mount901-1, No. 6). For **GV-Mount 903-1 / 903-2**, skip this step.



   B. Secure the Housing Plate (GV-Mount903-1 / 903-2, No. 7) to the dome housing with the supplied flat M4 screws (GV-Mount903-1 / 903-2, No. 6).
3. For GV-EFER3700 / 3700-W, remove the back plate from the camera.
4. Thread the camera cable through the dome housing.
5. For GV-EFER3700 / 3700-W, secure the back plate of the camera onto the housing plate with three M3 screws (GV-Mount903-1 / 903-2, No. 5). For GV-QFER12700, secure GV-Mount912-1 (GV-Mount903-1 / 903-2, No. 8) onto the housing plate with three M3 screws (GV-Mount903-1 / 903-2, No. 5). Use the indicated holes on the back plate / GV-Mount912-1.



GV-EFER3700 / EFER3700-W



GV-QFER12700

6. Unscrew the camera cover.

7. For GV-EFER3700 / 3700-W, secure the camera body onto the back plate. For GV-QFER12700, secure the camera onto GV-Mount912-1 (GV-Mount903-1 / 903-2, No. 8) with two M4 screws (GV-Mount903-1 / 903-2, No. 9).



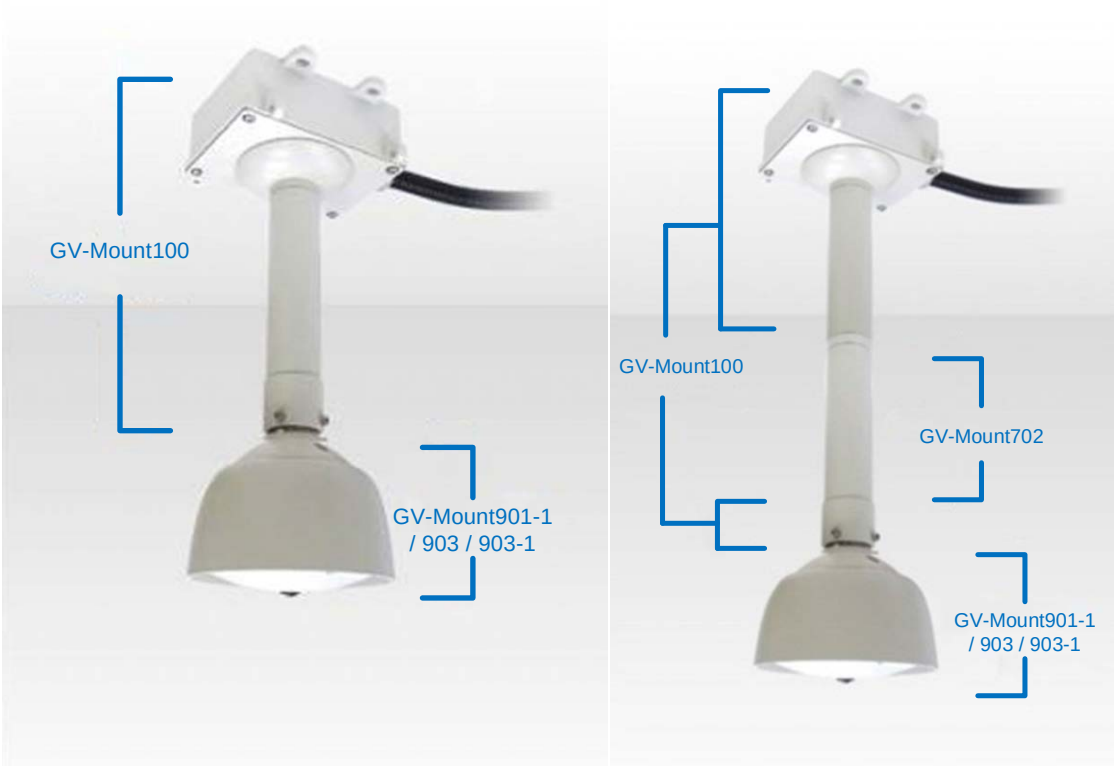
GV-EFER3700 / EFER3700-W



GV-QFER12700

8. Secure the camera cover.

5.2 Straight Tube Box Mount



Required accessories:

- GV-Mount100
- GV-Mount903-1

The user needs to prepare:

- Screws for ceiling x 4
- Corrugated tube x 1 (3/4", ø 26.0 ~ 26.5 mm)



Optionally extend with:

- GV-Mount702

1. Assemble the camera to the dome housing. See *5.1 Dome Housing*.
2. Assemble the tube (GV-Mount100, No. 3) and the tube connector (GV-Mount100, No. 4).



3. Thread the camera cable through the tube and secure the tube to the end of the housing cap (GV-Mount903-1, No.2) with M6 screws (GV-Mount903-1, No.4).



4. Thread the camera cable through the box cover (GV-Mount100, No. 2), assemble the box cover and the tube, and tighten the torxes with the supplied torx wrench (GV-Mount100, No. 7).



5. Secure the junction box (GV-Mount100, No. 1) to the ceiling with 4 self-prepared screws.



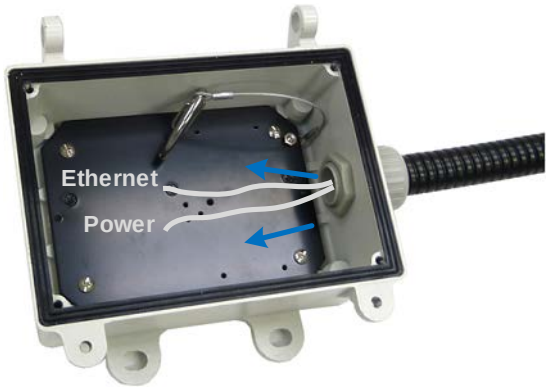
6. Assemble the corrugated tube connector (GV-Mount100, No. 6) with the self-prepared corrugated tube.
   A. Dismantle the supplied corrugated tube connector. You should have 4 components.



   B. Slide part A and part B to the self-prepared corrugated tube.

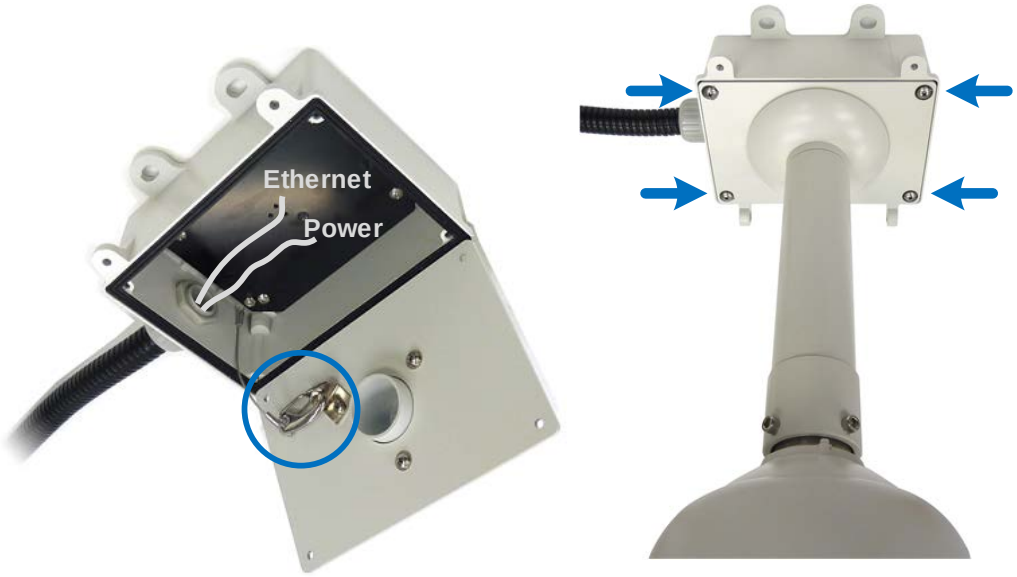


   C. Screw part C to the tube.
   D. Thread the necessary wires and cables from the ceiling through the corrugated tube, plug the tube to the box and secure with part D.



7. Connect the network, power and other cables to the camera. See *1.7 Connecting the Data Cable*, *GV-Fisheye IP Camera User's Manual* on the software DVD.

8. Hinge and hook the box cover and secure it with M5 flat screws (GV-Mount100, No. 5).



9. Access the live view. See *2.1 Installing on a Network*, *GV-Fisheye IP Camera User's Manual* on the software DVD.

5.3 Straight Tube Mount



Required accessories:

- GV-Mount101
- GV-Mount903-1

The user needs to prepare:

- Screws for ceiling x 4

Optionally extend with:

- GV-Mount702

1. Assemble the camera with the dome housing. See *5.1 Dome Housing*.
2. Assemble the tube (GV-Mount101, No. 2) and the tube connector (GV-Mount101, No. 3).



3. Thread the camera cable through the tube and secure the tube to the end of the housing cap (GV-Mount903-1, No.2) with M6 screws (GV-Mount903-1, No.4).



4. Thread the camera cable through the mounting bracket (GV-Mount101, No. 1) and assemble the tube with the mounting bracket.
5. Make sure the tubes are properly screwed and tighten the torxes using the supplied torx wrench (GV-Mount101, No. 4).



6. Secure the assembled camera to a desired location with 4 self-prepared screws.
7. Refer to the indicated sections of the *GV-Fisheye IP Camera User's Manual* on the software DVD to:
   A. Connect the network, power and other cables to the camera. See *1.7 Connecting the Data Cable*.
   B. Access live view. See *2.1 Installing on a Network*.

5.4 Wall Mount Bracket

5.4.1 All Models except GV-FER5701 / FER12203 / FER12700 / EFER3700 / EFER3700-W



Required accessories:

- GV-Mount205

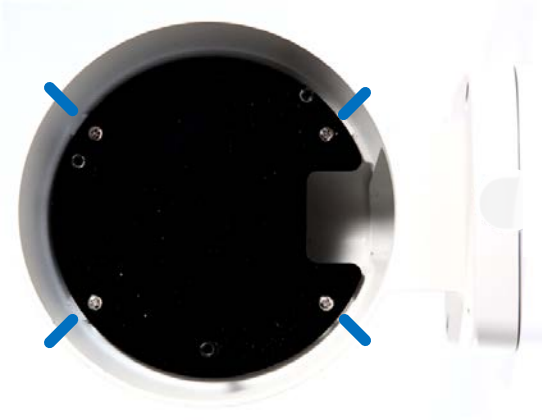
IMPORTANT: GV-FE2303 / 3403 / 4303 / 5303 with the POE converter are not supported.

1. Take the wall mount bracket (GV-Mount205, No. 1) and make 4 marks on the wall for screw anchors.

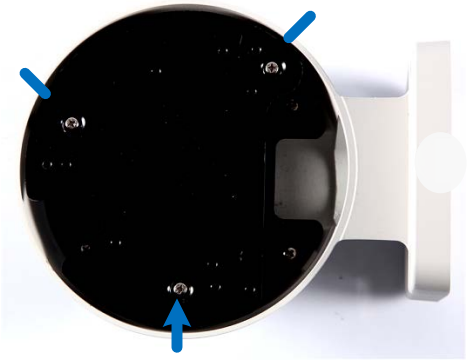


2. Drill the marks and insert screw anchors (GV-Mount205, No. 6).

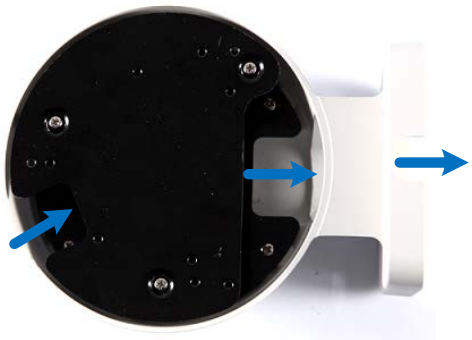
3. Align and secure the mounting plate (GV-Mount205, No. 2) to the wall mount bracket with 4 M4 screws (GV-Mount205, No. 4).



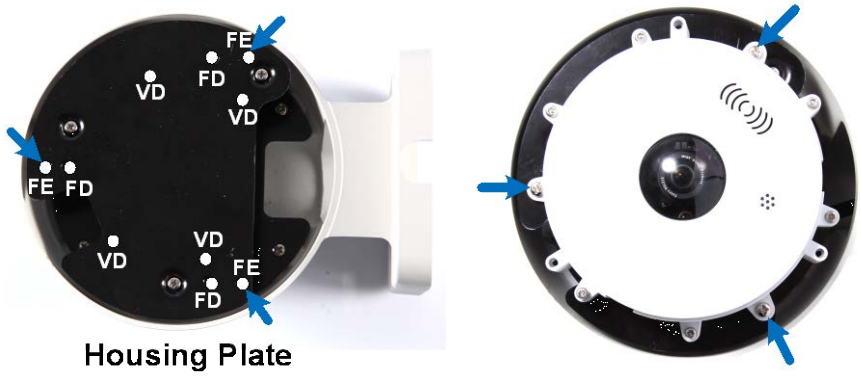
4. Align and secure the housing plate (GV-Mount205, No. 3) to the mounting plate with 3 M4 screws (GV-Mount205, No. 4).



5. Thread the camera cable through the wall mount bracket as below.



6. Align and secure the camera to the housing plate with 3 M4 screws (GV-Mount205, No. 4).



7. Place the camera cover for hard ceiling mount on top of the camera and tighten the screws using the supplied torx wrench.



8. Secure the wall mount bracket to the wall with 40 mm M4 screws (GV-Mount205, No. 5) and plain washers (GV-Mount205, No. 7).
9. Refer to the indicated sections of the *GV-Fisheye IP Camera User's Manual* on the software DVD to:
   A. Connect the network, power and other cables to the camera. See *1.7 Connecting the Data Cable*.
   B. Access the live view. See *2.1 Installing on a Network*.

5.4.2 GV-FER5701 / FER12203 / FER12700 / EFER3700 / EFER3700-W / QFER12700



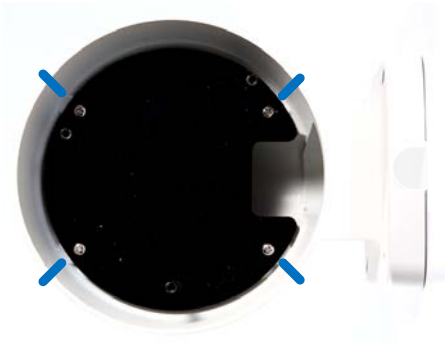
Required accessories:

- GV-Mount206
- GV-Mount206-1 (only for GV-QFER12700)

1. Take the wall mount bracket (GV-Mount206 / 206-, No. 1) and make 4 marks on the wall for screw anchors.



2. Drill the marks and insert screw anchors (GV-Mount206 / 206-1, No. 6).
3. Align and secure the mounting plate (GV-Mount206 / 206-1, No. 2) to the wall mount bracket with four M4 screws (GV-Mount206 / 206-1, No. 4).



4. Align and secure the housing plate (GV-Mount206 / 206-1, No. 3) to the mounting plate with three M4 screws (GV-Mount206 / 206-1, No. 4).



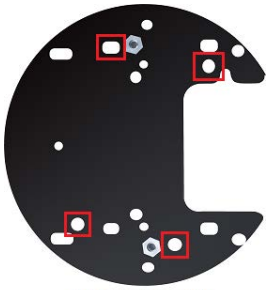
5. For GV-FER5701 / FER12203 / FER12700 / EFER3700 / EFER3700-W, secure the back plate of the camera onto the housing plate with four M4 screws (GV-Mount206 / 206-1, No. 4). For GV-QFER12700, secure GV-Moun912-1 (GV-Mount206 / 206-1, No. 9) onto the housing plate with four M4 screws (GV-Mount206 / 206-1, No. 4). Use the indicated holes on the back plate / GV-Mount912-1.



GV-FER5701 / 12203 / 12700



GV-EFER3700 / 3700-W

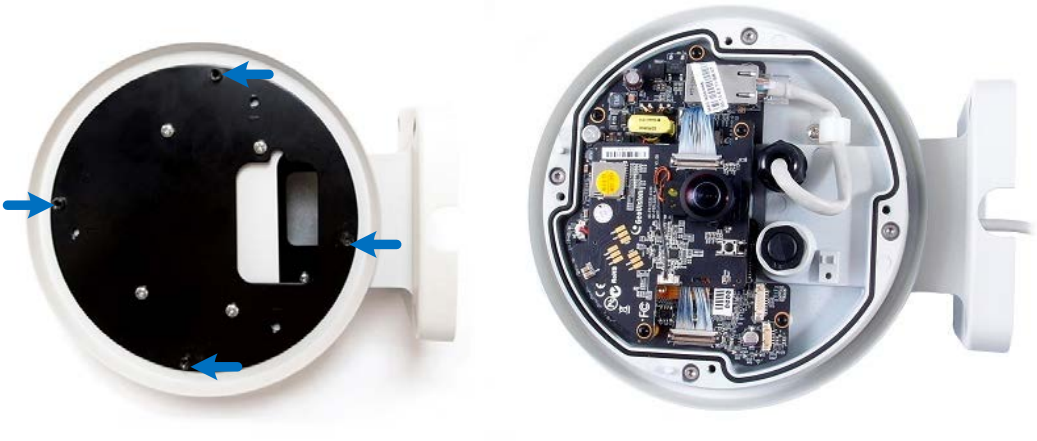


GV-QFER12700

Note: For GV-EFER3700 / EFER3700-W, thread the camera cables through the wall mount bracket before securing the back plate of the camera onto the housing plate.

6. Thread the camera cable through the wall mount bracket.

7. For GV-FER5701 / FER12203 / FER12700 / EFER3700 / EFER3700-W, align and secure the camera onto the back plate. For GV-QFER12700, secure the camera onto GV-Mount912-1 using two M4 screws (GV-Mount206 / 206-1, No. 10).



GV-FER5701 / 12203 / 12700



GV-EFER3700 / 3700-W



GV-QFER12700

8. Secure the camera cover using the supplied torx wrench.



9. Secure the wall mount bracket to the wall with 40 mm M4 screws (GV-Mount206 / 206-1, No. 5) and plain washers (GV-Mount206 / 206-1, No. 7).

5.5 Wall Pendant Mount



Required accessories:

- GV-Mount200
- GV-Mount903-1

The user needs to prepare:

- Screws for wall x 4

1. Assemble the Fisheye camera with the dome housing. See *5.1 Dome Housing*.
2. Insert the housing cap (GV-Mount903-1, No.2) into the wall pendant tube (GV-Mount200, No. 1) and secure the tube to the end of the housing cap (GV-Mount903-1, No.2) with M6 screws (GV-Mount903-1, No.4).



3. Place the wall pendant tube on the wall and secure with four screws of your choice.

5.6 Tilting Wall Mount

5.6.1 GV-Mount904



Front View



Side View: Flat



Side View: Tilted

Required accessories:

- GV-Mount904

Note: For the users of GV-FER5701 / 12203 / 12700 / EFER3700 / EFER3700-W / GV-QFER12700, see *5.6.2 Mount 904-1* for tilting wall mount.

1. Unscrew the inner housing cover using the supplied torx wrench.



2. Assemble the tilting rack (GV-Mount904, No. 3) with the back plate (GV-Mount904, No. 2) and secure them together with 3 short screws (GV-Mount904, No. 5) from the back.



Front View



Back View

3. Thread the camera cable into an opening on the back plate and align the top side of the camera with the top of the back plate.

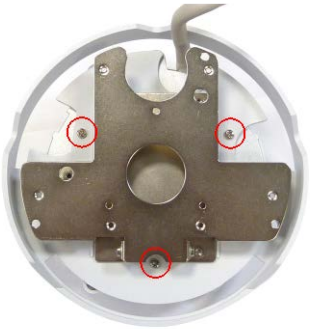
Tip: Pull the tilting rack to a wider angle for easier threading.







4. Secure the camera from the back with 3 long screws (GV-Mount904, No. 4).



5. Put on the back cover and secure it with 6 short screws (GV-Mount904, No. 5).



6. To accommodate the adjustment, reserve some length of cable by making a curve in-between the back plate and the back cover.



7. Paste the supplied sticker (GV-Mount904, No. 6) on the wall. The 3 red dots indicate the screw position.

Important: Be sure that the “TOP” arrow on the sticker points toward the ceiling.

8. Drill the 3 red dots and insert the supplied plastic screw anchor.
9. Secure the camera to wall using 3 supplied screws.



10. Insert a micro SD card to the camera.
11. Secure the inner housing cover using the supplied torx wrench.
12. Secure the supplied camera cover (hard-ceiling mount) using the supplied torx wrench.



5.6.2 GV-Mount904-1

The information in this section only applies to GV-FER5701 / 12203 / 12700 / EFER3700 / EFER3700-W / QFER12700.



Front View



Side View: Flat



Side View: Tilted

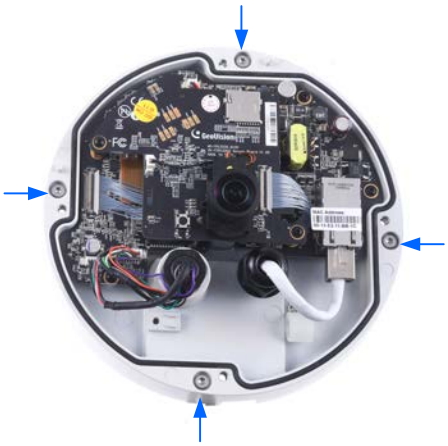
Required accessories:

- GV-Mount904-1
- GV-Mount904-2 (only for GV-QFER12700)

1. Unscrew the housing cover from the camera using the supplied hex key (GV-Mount904-1 / 904-2, No. 1).



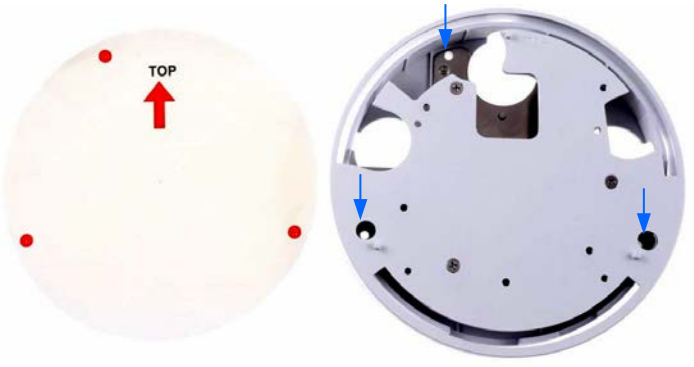
2. For GV-EFER3700 / 3700-W, loosen the 4 screws using supplied hex key (GV-Mount904-1 / 904-2, No. 1) to dismantle the black back plate from the camera.





Black back plate

4. Paste the sticker (GV-Mount904-1 / 904-2, No. 6) to the wall. Drill the 3 red dots and insert the supplied plastic screw anchor (GV-Mount904-1 / 904-2, No. 3). Secure GV-Mount904-1 to the wall using 3 wall mount screws (GV-Mount904-1 / 904-2, No. 4).



5. For GV-EFER3700 / EFER3700-W, thread the camera cables through the back plate of GV-Mount904-1.
6. For GV-FER5701 / 12203 / 12700 / EFER3700 / 3700-W, secure the black back plate from the camera to GV-Mount904-1 using three M3 screws (GV-Mount904-1 / 904-2, No. 5). For GV-QFER12700, secure GV-Mount912-1 (GV-Mount904-1 / 904-2, No. 7) to GV-Mount904-2 using three M3 screws (GV-Mount904-1 / 904-2, No. 5). Use the indicated holes on the black back plate / GV-Mount912-1.



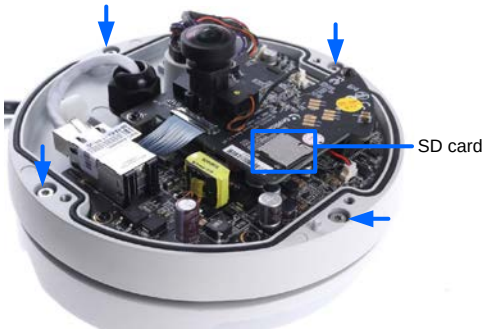
7. For GV-FER5701 / 12203 / 12700, thread the camera cable into an opening on GV-Mount904-1. For how to connect the camera to the network, power and other cables, see *1.7 Connecting the Data Cable*, *GV-Fisheye IP Camera User's Manual.*



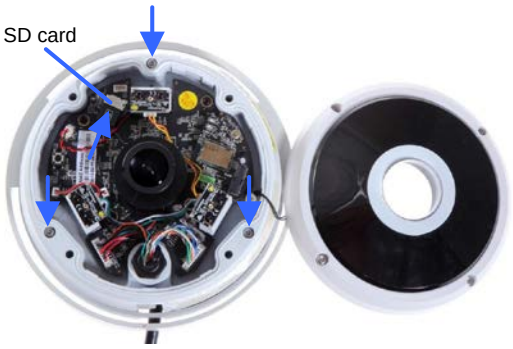
Tip: Pull the tilting rack to a wider angle for easier threading.



8. For GV-FER5701 / 12203 / 12700 / EFER3700 / EFER3700-W, align and secure the camera body using the supplied hex key to its black back plate. For GV-QFER12700, secure the camera onto GV-Mount912-1 using two M4 screws (GV-Mount904-1 / 904-2, No. 8). Then, insert a micro SD card to the camera.



GV-FER5701 / 12203 / 12700



GV-EFER3700 / 3700-W



GV-QFER12700

9. Assemble and secure the housing cover to the camera body using the supplied hex hey.

IMPORTANT: The live view image is upside down after you have finished installing GV-Mount904-1. You can adjust the image orientation by rotating 180°on the Web interface.

5.7 Convex Corner Mount



Required accessories:

- GV-Mount200
- GV-Mount300-1
- GV-Mount903-1

The user needs to prepare:

- Screws for wall x 8

IMPORTANT: GV-Fisheye Cameras with IR LED do not support GV-Mount300-1.

1. Assemble the camera with the dome housing. See *5.1.1 All Models except GV-EFER3700 / GV-EFER3700-W*.
2. Thread the camera cable through the wall pendant tube (GV-Mount200, No. 1), and secure the tube to the end of the housing cap (GV-Mount903-1, No.2) with M6 screws (GV-Mount903-1, No. 4).



3. Assemble the mounting plates (GV-Mount300-1, No. 1), slide in the plain washer (GV-Mount300-1, No. 4), then the split washer (GV-Mount300-1, No. 5), and secure with the screw cap (GV-Mount300-1, No. 6).



4. Thread the camera cable and secure the pendant tube to the plates. Slide the 30 mm M8 screws (GV-Mount300-1, No. 2) from the front and secure from the backside using plain washer (GV-Mount300-1, No. 4), split washer (GV-Mount300-1, No. 5) and screw cap (GV-Mount300-1, No. 6).





Backside View

5. Secure the plates to the wall with 8 self-prepared screws.
6. Refer to the indicated sections of the *GV-Fisheye IP Camera User's Manual* on the software DVD to:
   A. Connect the network, power and other cables to the camera. See *1.7 Connecting the Data Cable*.
   B. Access live view. See *2.1 Installing on a Network*.

5.8 Convex Corner Box Mount



Required accessories:

- GV-Mount203
- GV-Mount300-1
- GV-Mount903-1

The user needs to prepare:

- Screws for wall x 8
- Corrugated tube x 1 (3/4", ø 26.0 ~ 26.5 mm)



IMPORTANT: GV-Fisheye Cameras with IR LED do not support GV-Mount203 / 300 / 300-1.

1. Assemble the camera with the dome housing. See *5.1.1 All Models except GV-EFER3700 / GV-EFER3700-W*.
2. Assemble the mounting plates (GV-Mount300-1, No. 1), slide in the plain washer (GV-Mount300-1, No. 4), then the split washer (GV-Mount300-1, No. 5), and secure them with the screw cap (GV-Mount300-1, No. 6).



3. Secure the junction box (GV-Mount203, No. 1) to the mounting plates from the backside using the 25 mm M8 screw (GV-Mount300-1, No. 3), plain washer (GV-Mount300-1, No. 4), and split washer (GV-Mount300-1, No. 5).





Back View

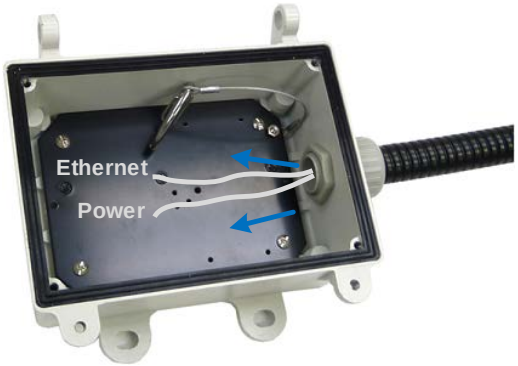
4. Secure the mounting plates to the wall with 8 self-prepared screws. Face the conduit exit downward.
5. Assemble the corrugated tube connector (GV-Mount203, No. 4) with the self-prepared corrugated tube.
   A. Dismantle the supplied corrugated tube connector. You should have 4 parts.



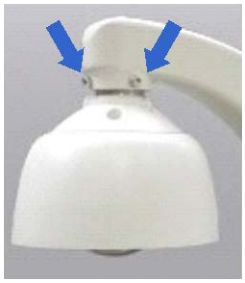
   B. Slide part A and part B to the self-prepared corrugated tube.



   C. Screw part C to the tube.
   D. Thread the necessary wires and cables from the wall or the ceiling through the corrugated tube, plug the tube to the box and secure with part D.



6. Thread the camera cable through the wall pendant tube (GV-Mount203, No. 2), and secure the tube to the end of the housing cap (GV-Mount903-1, No. 2) with M6 screws (GV-Mount903-1, No. 4).

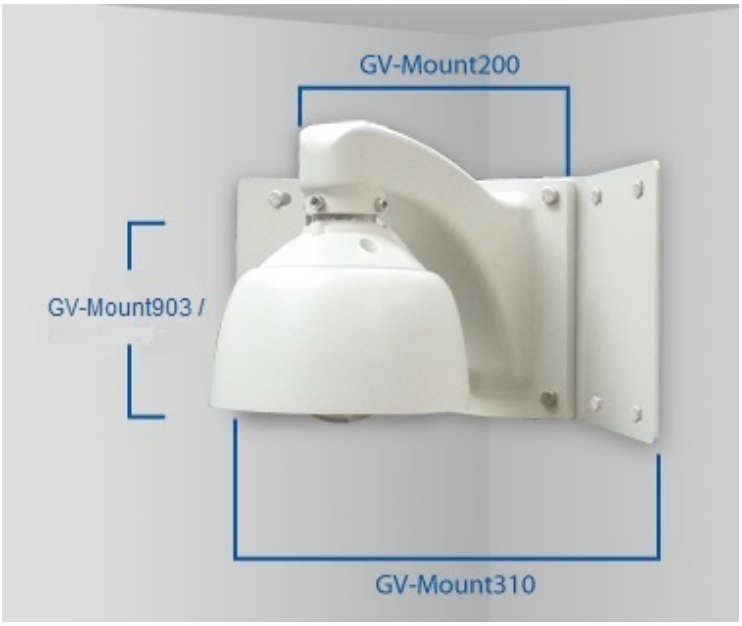


7. Hinge and hook the pendant tube to the junction box.



8. Connect the network, power and other cables to the camera. See *1.7 Connecting the Data Cable*, *GV-Fisheye IP Camera User's Manual* on the software DVD.
9. Conceal the box with M5 screws (GV-Mount203, No. 3) using the torx wrench (GV-Mount203, No. 5).
10. Access the live view. See *2.1 Installing on a Network*, *GV-Fisheye IP Camera User's Manual* on the software DVD.

5.9 Concave Corner Mount



Required accessories:

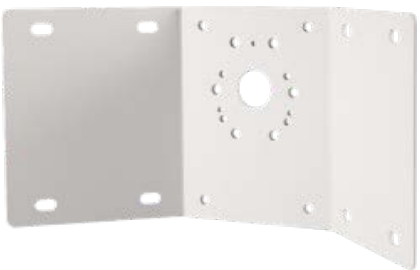
- GV-Mount200
- GV-Mount310 / 310-1
- GV-Mount903-1

The user needs to prepare:

- Screws for wall x 8

IMPORTANT: GV-Fisheye Camera with IR LED do not support GV-Mount310 / 310-1.

1. Assemble the camera with the dome housing. See *5.1.1 All Models except GV-EFER3700 / GV-EFER3700-W*.
2. Assemble the mounting plates (GV-Mount310 / 310-1, No. 1), slide in the plain washer (GV-Mount310 / 310-1, No. 3), then the split washer (GV-Mount310 / 310-1, No. 4), and secure them with the screw cap (GV-Mount310 / 310-1, No. 5).



3. Thread the camera cable through the wall pendant tube (GV-Mount200, No. 1), and secure the tube to the end of the housing cap (GV-Mount903-1, No. 2) with M6 screws (GV-Mount903-1, No. 4).



4. Thread the camera cable and secure the pendant tube to the plates. Slide the 30 mm M8 screws (GV-Mount310 / 310-1, No. 2) from the front and secure from the backside using plain washer (GV-Mount310 / 310-1, No. 3), split washer (GV-Mount310 / 310-1, No. 5) and secure with M8 screw cap (GV-Mount310 / 310-1, No. 6).







Front View **Back View**

5. Secure the plates to the wall with 8 self-prepared screws.
6. Refer to the indicated sections of the ***GV-Fisheye IP Camera User's Manual*** on the software DVD to:
   A. Connect the network, power and other cables to the camera. See *1.7 Connecting the Data Cable*.
   B. Access live view. See *2.1 Installing on a Network*.

5.10 Pole Mount



Required accessories:

- GV-Mount200
- GV-Mount400 / 410 / 400-1 / 410-1
- GV-Mount903-1

Important: GV-Fisheye Cameras with IR LED do not support GV-Mount400 / 410 / 400-1 / 410-1.

1. Assemble the camera with the dome housing. See *5.1.1 All Models except GV-EFER3700 / GV-EFER3700-W*.
2. Secure the mounting bracket (GV-Mount400 / 410 / 400-1 / 410-1, No. 1) to the pole using 3 steel straps (GV-Mount400 / 410 / 400-1 / 410-1, No. 2). Rotate the screw on the strap to adjust its size.





3. Thread the camera cable through the pendant tube (GV-Mount200, No. 1) and secure the tube to the end of the housing cap (GV-Mount903-1, No. 2) with M6 screws (GV-Mount903-1, No. 4).



4. Thread the camera cable through the mounting bracket and secure the pendant tube to the bracket. Slide the 30 mm M8 screws (GV-Mount400 / 410 / 400-1 / 410-1, No. 3) from the front and secure from the backside using plain washer (GV-Mount400 / 410 / 400-1 / 410-1, No. 5), split washer (GV-Mount400 / 410 / 400-1 / 410-1, No. 6) and screw cap (GV-Mount400 / 410 / 400-1 / 410-1, No. 7).





Backside View

5. Refer to the indicated sections of the ***GV-Fisheye IP Camera User's Manual*** on the software DVD to:
   A. Connect the network, power and other cables to the camera. See *1.7 Connecting the Data Cable*.
   B. Access live view. See *2.1 Installing on a Network*.

5.11 Pole Box Mount



Required accessories:

- GV-Mount203
- GV-Mount400 / 410 / 400-1 / 410-1
- GV-Mount903-1

Required accessories:

- Corrugated tube x 1 (3/4'', ø 26.0 ~ 26.5 mm)



IMPORTANT: GV-Fisheye Camera with IR LED do not support GV-Mount203 / 400 / 410 / 400-1 / 410-1.

1. Assemble the camera with the dome housing. See *5.1.1 All Models except GV-EFER3700 / GV-EFER3700-W*.

2. Secure the junction box (GV-Mount203, No. 1) to the mounting bracket (GV-/ 410 / 400-1 / 410-1, No. 1) from the backside using 25 mm M8 screws (GV-Mount400 / 410 / 400-1 / 410-1, No. 4), plain washer (GV-Mount400 / 410 / 400-1 / 410-1, No. 5) and split washers (GV-Mount400 / 410 / 400-1 / 410-1, No. 6).





Backside View

3. Secure the mounting bracket to the pole using 3 steel straps (GV-Mount400 / 410 / 400-1 / 410-1, No. 2). Rotate the screw on the strap to adjust its size. Face the conduit exit downward.





4. Assemble the corrugated tube connector (GV-Mount203, No. 4) with the self-prepared corrugated tube.
   A. Dismantle the supplied corrugated tube connector. You should have 4 parts.

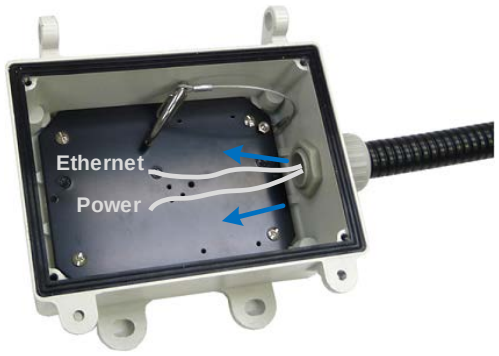


   B. Slide part A and part B to the self-prepared corrugated tube.



   C. Screw part C to the tube.

D. Thread the necessary wires and cables through the corrugated tube, plug the tube to the box and secure with part D.



5. Thread the camera cable through the pendant tube (GV-Mount203, No. 2) and secure the tube to the end of the housing cap (GV-Mount903-1, No. 2) with M6 screws (GV-Mount903-1, No. 4).



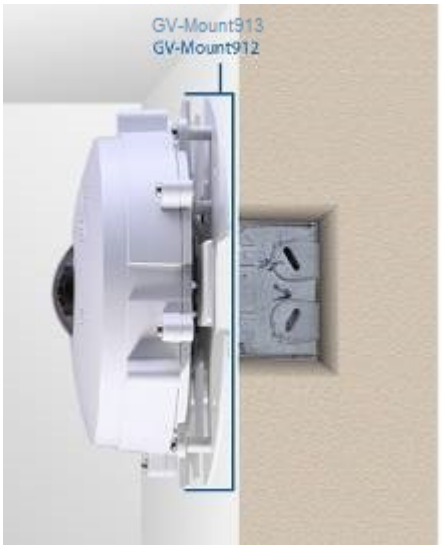
6. Hinge and hook the pendant tube to the junction box.



7. Connect the network, power and other cables to the camera. See *1.7 Connecting the Data Cable*, *GV-Fisheye IP Camera User's Manual* on the software DVD.
8. Conceal the junction box with M5 screws (GV-Mount203, No. 3) using the torx wrench (GV-Mount203, No. 5).
9. Access the live view. See *2.1 Installing on a Network*, *GV-Fisheye IP Camera User's Manual* on the software DVD.

5.12 Power Box Mount





Required accessories:

- GV-Mount912
- GV-Mount912-1 (only for GV-QFER12700)
- GV-Mount913 (only for GV-EFER3700 / EFER3700-W)

The user needs to prepare

- Screws for securing the mounting plate to power box

Note: For GV-FER5701 / 12203 / 12700, users may be supplied with back plate A or B, as shown below, with the standard package:

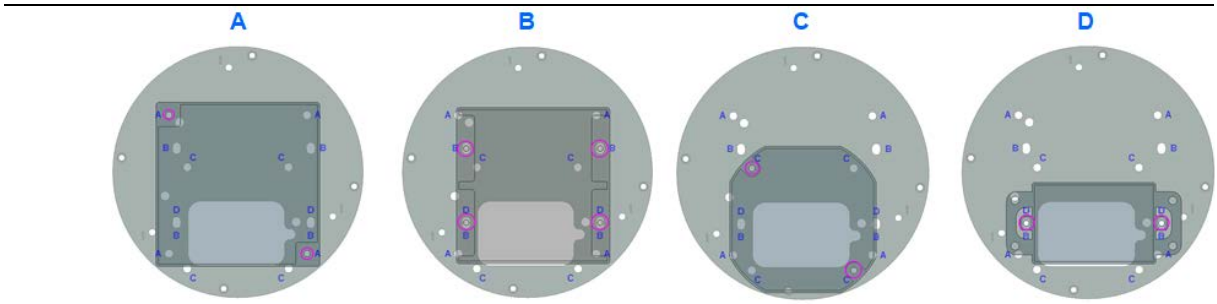


Back Plate A



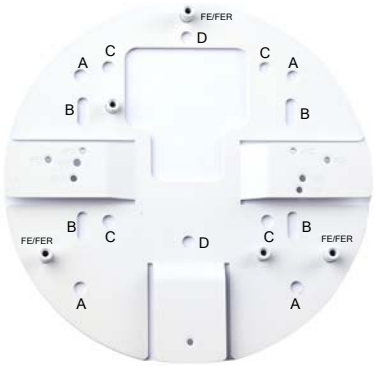
Back Plate B

- For back plate A, proceed to Step 1.
- For back plate B, thread the camera cable through the back plate and power box, attach the back plate directly to the power box, as illustrated below, and proceed to Step 4.



1. Secure the mounting plate (GV-Mount912, No. 1 / GV-Mount913, No.1) / GV-Mount912-1 (GV-Mount912-1, No. 1) to the power box with your own screws. Depending on the type of power box, use the holes indicated with the corresponding letter:

GV-Mount912



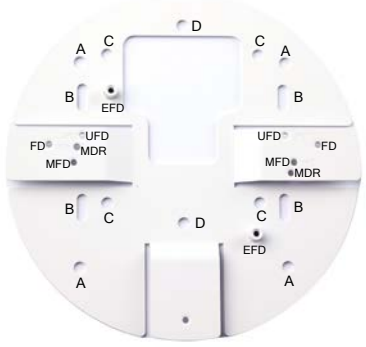
Type of Power Box	Hole
4'' Square	A
Double Gang	B
4'' Octagon	C
Single Gang	D

GV-Mount912-1



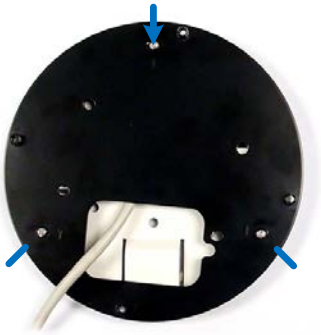
Type of Power Box	Hole
4'' Square	A
Double Gang	B
4'' Octagon	C
Single Gang	D

GV-Mount913



Type of Power Box	Hole
4'' Square	A
Double Gang	B
4'' Octagon	C
Single Gang	D

2. **For GV-FER5701 / 12203 / 12700**:
   A. Thread the camera cable through the camera back plate, the mounting plate, and the power box.
   B. Secure the back plate and the mounting plate with M3 screws (GV-Mount912, No. 2). Use the holes labeled as “FE/FER”.



   C. Align the camera with the back plate and tighten the screws.
   D. Secure the camera cover.
3. **For GV-EFER3700 / EFER3700-W**:
   A. Thread the camera cable through the camera back plate, the mounting plate, and the power box.
   B. Secure the back plate and the mounting plate with M3 screws (GV-Mount913, No. 2). Use the indicated holes on the back plate of GV-EFER3700 / EFER3700-W.



   C. Align the camera with the back plate and tighten the screws.
   D. Secure the camera cover.

4. **For other models**, thread the camera cable through the mounting plate and the power box, and secure the camera to the mounting plate with M3 screws (GV-Mount912, No. 2). Use the holes indicated with “FE/FER”.



5. **For GV-QFER12700**:

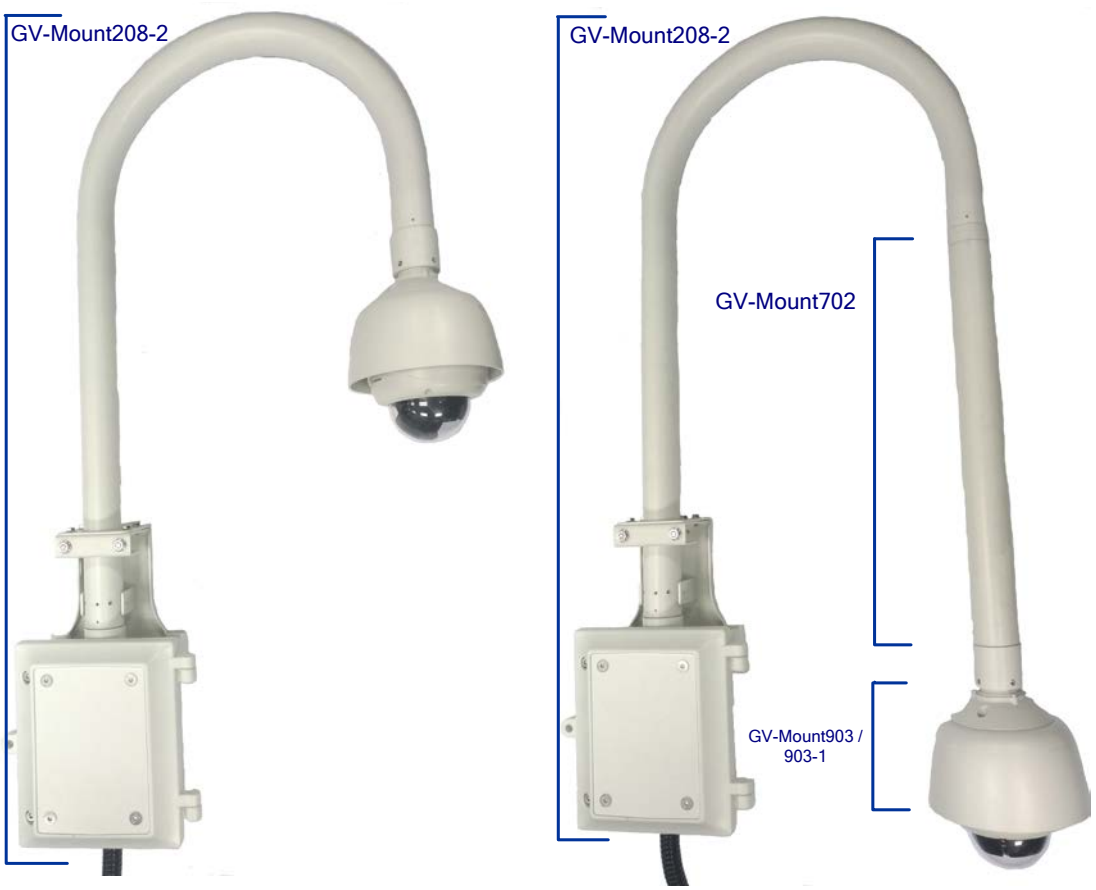
   A. Thread the camera cable through GV-Mount912-1 (GV-Mount912-1, No. 1) and the power box.

   B. Secure the camera to GV-Mount912-1 (GV-Mount912-1, No. 1) through the indicated holes with M4 screws (GV-Mount912-1, No. 3).



   C. Secure the camera cover.

5.13 Swan Neck Mount



Required accessories:

- GV-Mount208-2
- GV-Mount903-1

The user needs to prepare:

- Screws for ceiling x 4
- Corrugated tube x 1 (3/4'', ø 26.0 ~ 26.5 mm)



- Adjustable wrench x 1

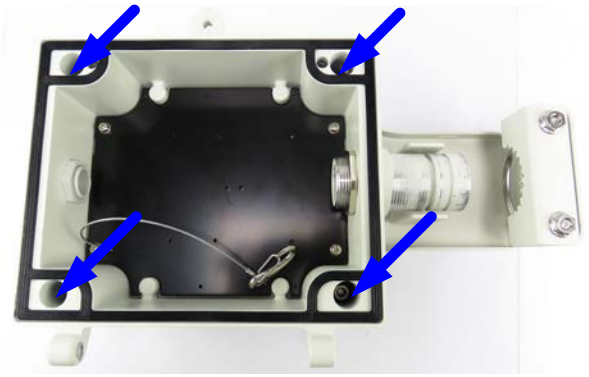
Optionally extend with:

- GV-Mount702

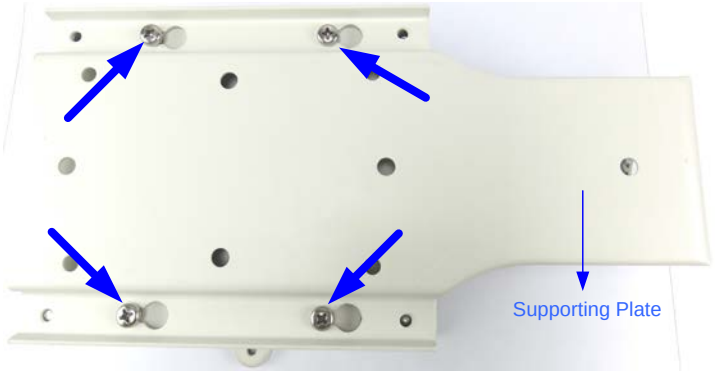
1. Loosen the indicated two screws of the junction box (GV-Mount208-2, No. 7) using No. 6 torx wrench (GV-Mount208-2, No. 4) and open the box cover.



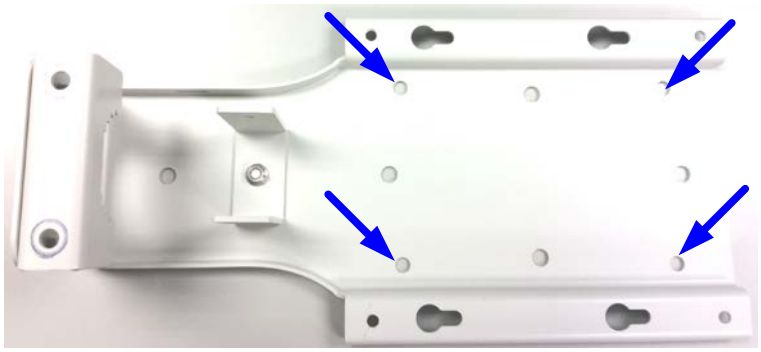
2. Loosen the 4 screws in the holes of the junction box using No. 6 torx wrench (GV-Mount208-2, No. 4) without removing them.



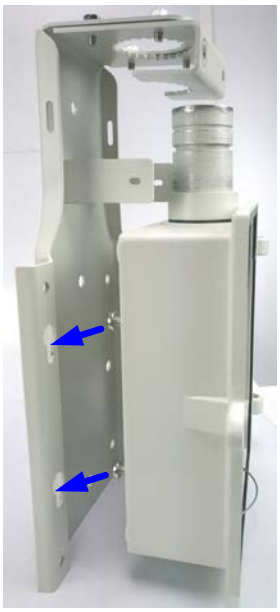
3. Turn over the junction box and loosen the four screws in the back with a Philips screwdriver to remove the supporting plate.



4. Secure the supporting plate to the wall with the 4 self-prepared screws.



5. Hang the junction box onto the supporting plate. Slide the box sideway to lodge the 4 screws with the plate.

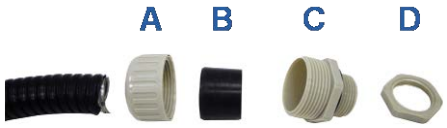


6. Fasten the 4 screws in the holes of the junction box. Refer to the figure in step 2.
7. Hinge and hook the box cover to the junction box.



8. Assemble the supplied corrugated tube connector with the self-prepared corrugated tube and the junction box.

   A. Dismantle the supplied corrugated tube connector. You should have 4 parts.

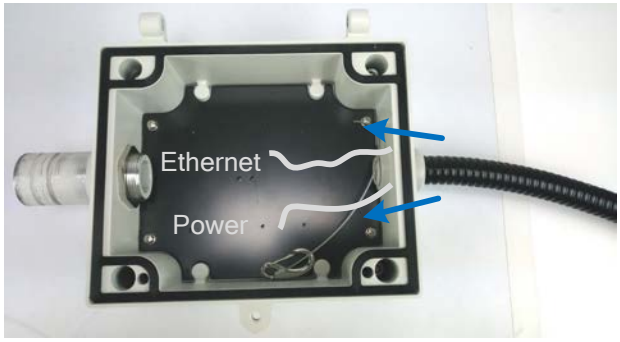


   B. Slide part A and part B to the self-prepared corrugated tube.

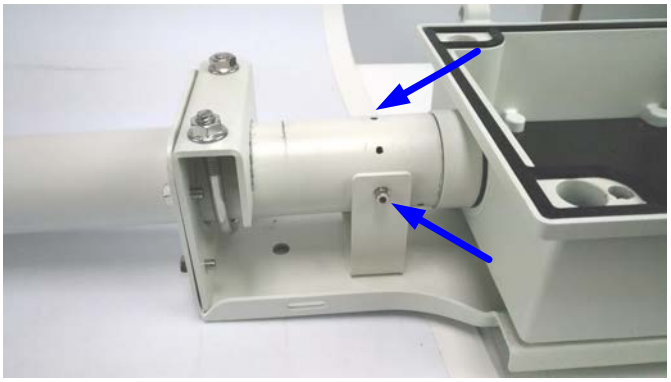


   C. Screw part C to the tube.

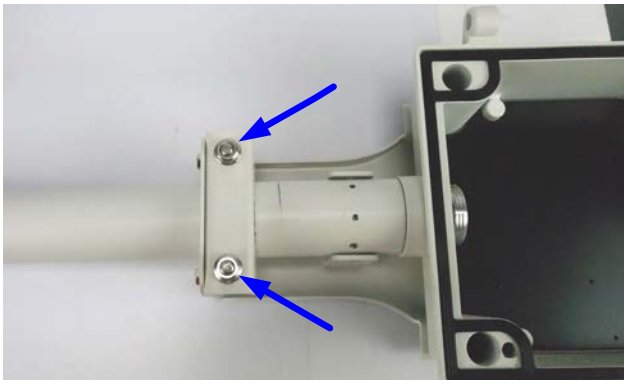
   D. Thread the power, network and other wires from the wall through the corrugated tube into the junction box and secure it with part D.



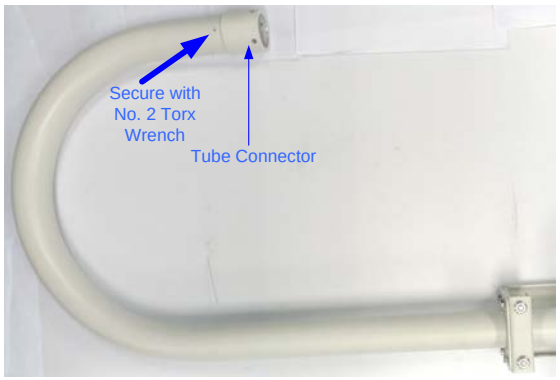
9. Connect the swan neck stainless tube (GV-Mount208-2, No. 5) with the junction box and fasten the washers (GV-Mount208-2, No. 6) on the two sides of the swan neck tube with No. 3 Torx Wrench (GV-Mount208-2, No. 2). Adjust the swan neck tube to suit your needs while you connect them.



10. Fasten the screws on the top of the swan neck with the self-prepared adjustable wrench.



11. Secure the tube connector (GV-Mount208-2, No. 8) to the swan neck stainless tube with No.2 torx wrench (GV-Mount208-2, No. 1). Thread the wires and cables through the tube.



12. Assemble the tube connector (GV-Mount208-2, No. 8), housing cap (GV-Mount903-1, No.2) and then the dome housing (GV-Mount903-1, No.1) with M6 screws (GV-Mount903-1, No.4).
13. Thread the power, network and other wires through the dome housing.
14. Refer to *5.1.2 GV-EFER3700 / GV-EFER3700-W with the Dome Housing* to secure the camera to the dome housing (GV-Mount903-1, No. 1)
15. Secure the box cover by fastening the 2 screws. Refer to the figure in step 1.

6. Installing the GV-IP Speed Dome

6.1 Assembling Outdoor IP Speed Dome with Pendant Tube

6.1.1 GV-SD220-S / GV-SD2300



Required Item

- GV-SD220-S / 2300 standard package

1. Insert the desiccants to the camera.

   A. Remove the camera cover using the supplied hex key.



B. Insert two desiccant packs to indicated positions.



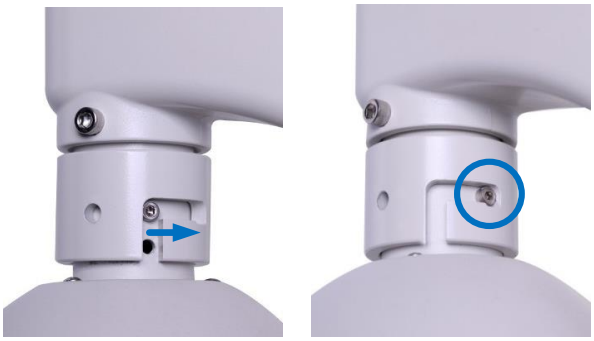
IMPORTANT: Be sure the desiccant is concealed in the GV-IP Speed Dome within 2 minutes of opening the desiccant pack.

C. Follow step 1 to secure the camera cover with the supplied hex key. Make sure the first two screws to be tightened are diagonal to each other.

2. Assemble the camera with the pendant tube.

A. Thread the camera data cable through the pendant tube.

B. Rotate the camera and lock it to the pendant tube.



C. Secure the camera to the pendant tube with the supplied M6 screws.



6.1.2 GV-SD2301 / 2301 V2 / 2411 / 2411 V2



This installation method is only applicable to **GV-SD2301 / 2301 V2 / 2411 / 2411 V2.**

Required Items

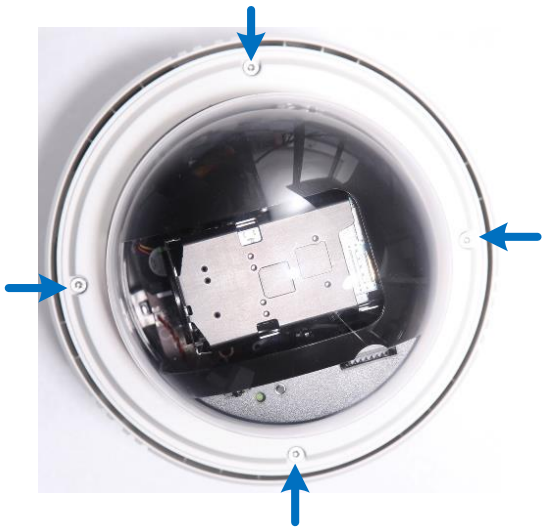
- GV-Mount207

The user needs to prepare:

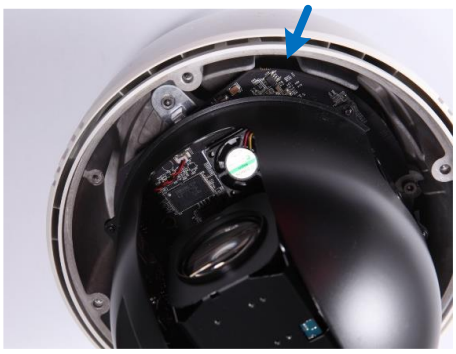
- Screws for wall x 4

1. Insert the desiccants to the camera.

   A. Remove the camera cover using the supplied hex key.



B. Insert one desiccant pack to the indicated place.





IMPORTANT: Be sure the desiccant is concealed in the GV-IP Speed Dome within 2 minutes of opening the desiccant pack.

C. Insert your SD card into the SD card slot.

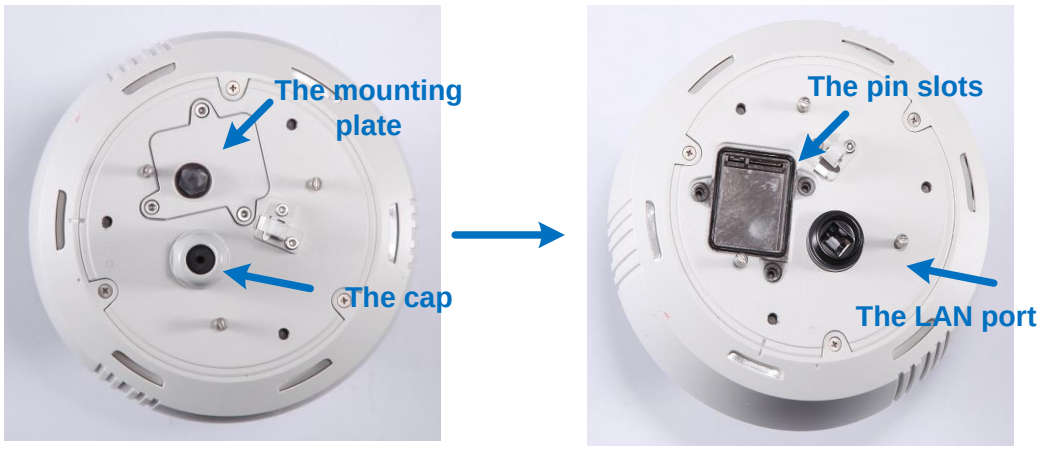
D. Secure the camera cover with the supplied hex key. Make sure the first two screws to be tightened are diagonal to each other.

2. Connect the cables to the camera.

A. Thread the Ethernet cable and the data cable through the pendant tube.



B. Remove the cap and the mounting plate at the back of the camera.



C. Insert the Ethernet cable to the LAN port on the camera.



D. Slide the cap and components through the Ethernet cable as shown below. It is recommended to use the supplied RJ-45 connector.

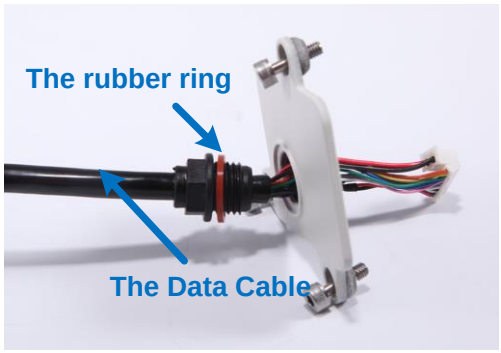


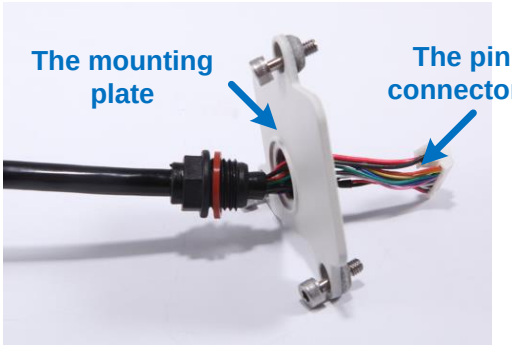
E. Move the cap and the components toward the LAN port.



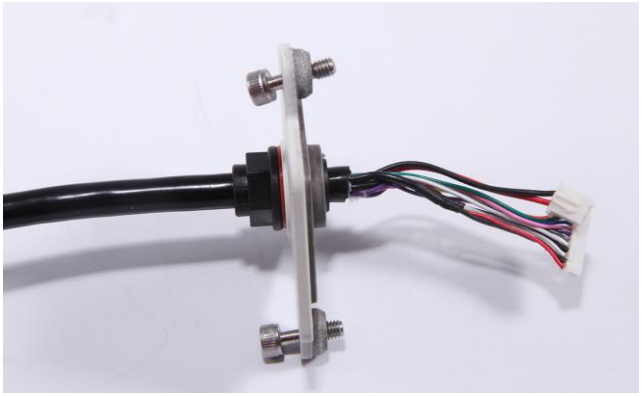
F. Secure the cap tightly.

G. Slip the rubber ring on the Data Cable and then pass the pin connectors of the Data Cable through the mounting plate.





H. Fasten the data cable with the mounting plate and the rubber ring.



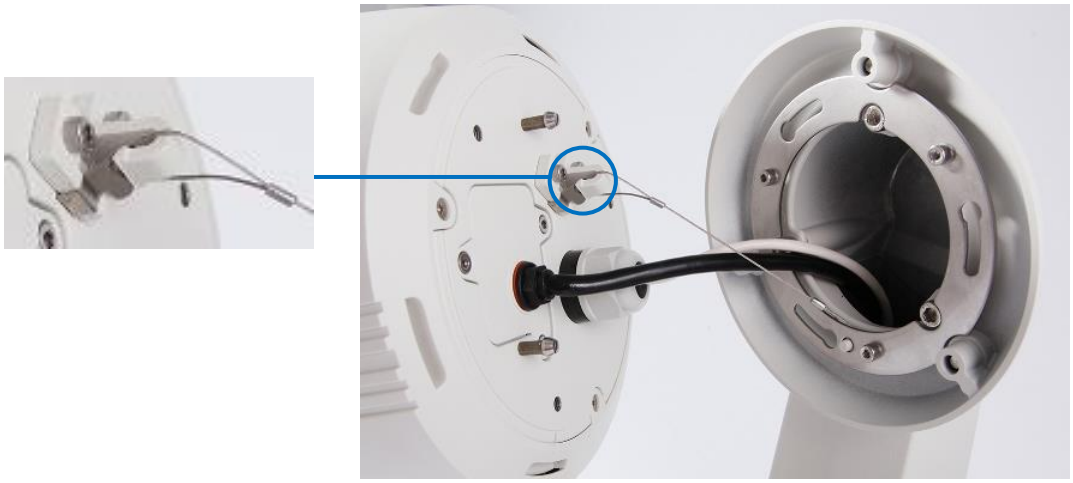
I. Insert the pin connectors of the Data Cable to the indicated area.



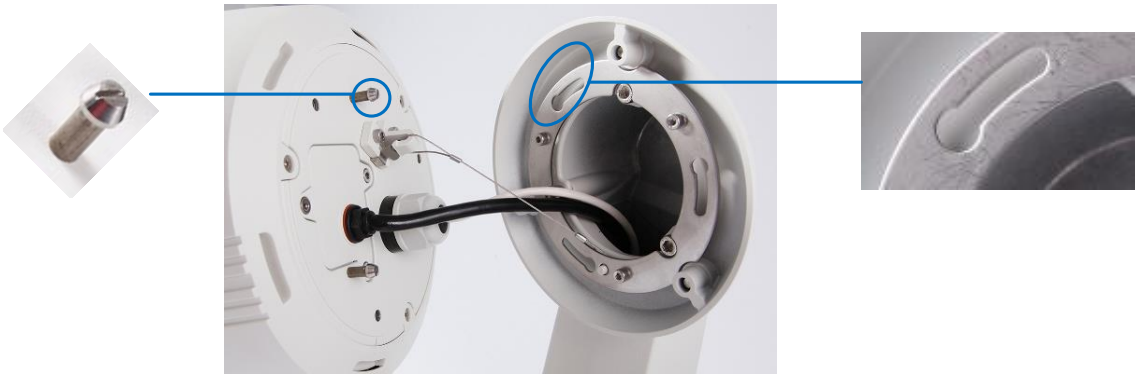
J. Secure the mounting plate with the supplied hex key.

3. Assemble the camera with the pendant tube.

   A. Secure the safety lock.



   B. Push the rivets into the holes on the pendant tube and rotate clockwise to lock the position.



   C. Tighten the screws with the supplied hex key.



   D. Secure the pendant tube to the wall with self-prepared screws.

6.1.3 GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR / GV-QSD5730-Outdoor / GV-QSD5731-IR



This installation method is only applicable to **GV-SD2322-IR** / **GV-SD2722-IR** / **GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR / GV-QSD5730-Outdoor / GV-QSD5731-IR**.

Required Items

- GV-Mount210 / GV-Mount210-1

The user needs to prepare:

- Screws for wall x 4

1. Unscrew the back cover of the camera.



GV-SD Series



GV-QSD5730-Outdoor / GV-QSD5731-IR

2. Insert the micro SD card into the slot and secure the back cover of the camera. For the location of the SD card slot in GV-SD Series, see *1.4 Physical Description, GV-IP Speed Dome User's Manual*.



GV-QSD5730-Outdoor / GV-QSD5731-IR

3. Place the wall pendant tube (GV-Mount210, No. 1) on the wall, and mark the position of the screw holes.



4. Drill holes on the wall, and secure the pendant tube to the wall with 4 self-prepared screws.

For GV-SD Series

5. Attach the safety lock of the camera to the pendant tube.

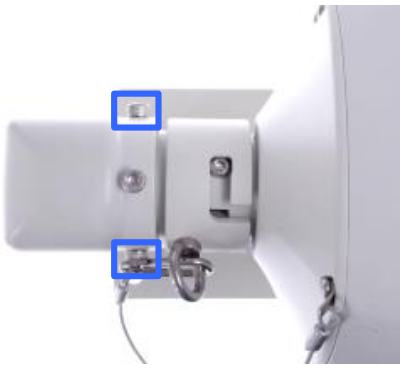


6. Thread the data cable through the pendant tube.

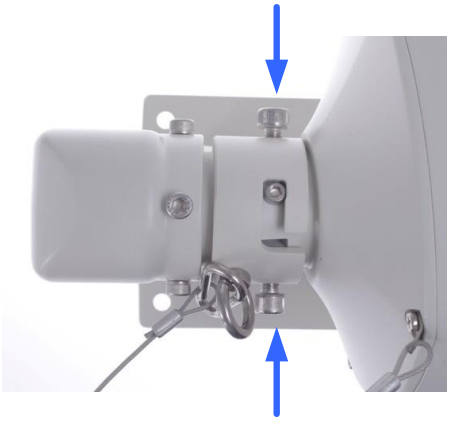


7. Attach the camera to the pendant tube, rotate the camera until it is locked into position, and secure the indicated screws.





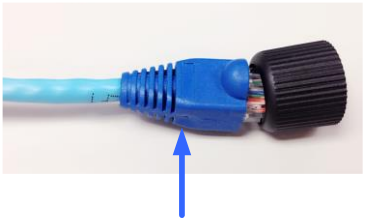
8. Insert the screws (GV-Mount210, No. 2) and tighten with the M4 hex key supplied with the standard packing of the camera.



9. Thread the Ethernet cable through the waterproof rubber set as shown below.



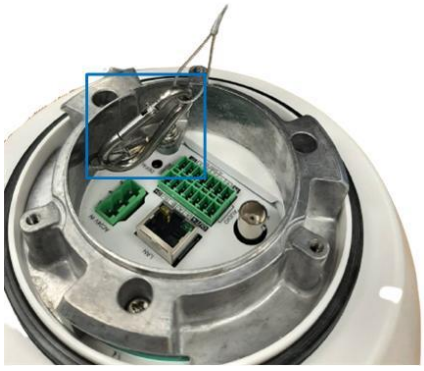
Note: The size of RJ-45 connector must be within 14 mm to go through the waterproof rubber set.



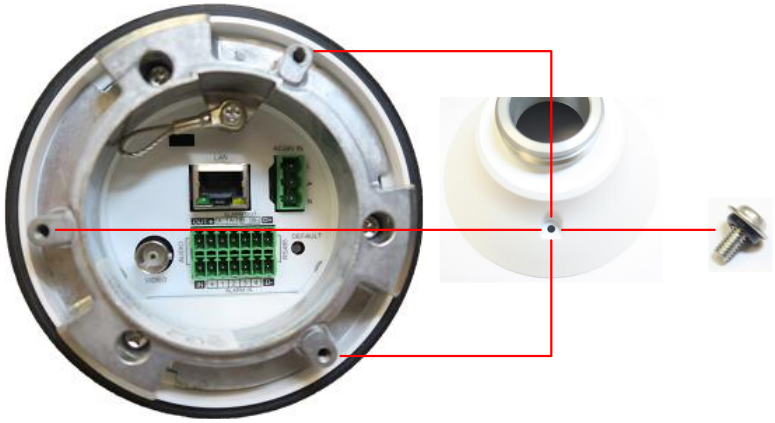
Unfit size of RJ45 Connector

For GV-QSD5730-Outdoor / GV-QSD5731-IR

6. Attach the safety lock of the connecting tube to the camera after securing the pendant cap to the pendant tube.



7. Attach the pendant cap to the camera and rotate until it is locked into position. Make sure the screw hole on the pendant cap aligns with one of the three screw holes on the base of the camera.
8. Secure the supplied M4 screw through the aligned screw hole.



9. Insert the screws (GV-Mount210-1, No. 2) and tighten with the M4 hex key supplied with the standard packing of the camera.

6.1.4 GV-SD2723-IR / GV-SD2733-IR



Required Item

- GV-SD2723-IR / 2733-IR standard package

1. Insert SD card into the camera.

   A. Remove the memory card cover by loosening the two screws on the rear side of the camera.



B. Insert your SD card into the SD card slot.



C. Insert your SD card into the SD card slot.

D. Secure the memory card cover.

2. Connect the cables to and assemble the pendant tube with the camera as specified in *Step 2* and *3* of *6.12 GV-SD2301 / 2301 V2 / 2411 / 2411 V2*.

6.2 In-Ceiling Mount

6.2.1 GV-SD220



This installation method is only applicable to **indoor GV-IP Speed Dome** (**GV-SD220**).
The thickness of the ceiling board must not exceed 4 cm (1.57 in).

Required Items

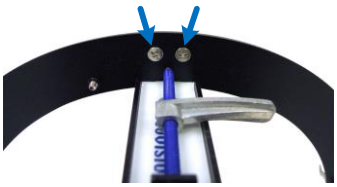
- GV-Mount907

The user needs to prepare:

- ceiling screws x 3

1. Assemble the support racks, mounting plate and the mounting ring.

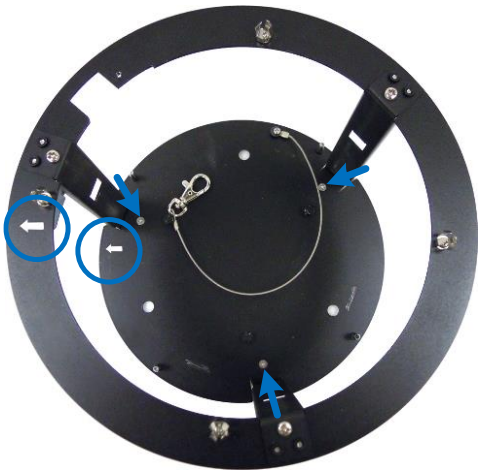
   A. Secure the three support racks (GV-Mount907, No. 1) to the mounting ring (GV-Mount907, No.2) from the underside with screws (GV-Mount907, No. 3).



   B. Secure the thread lock (GV-Mount907, No. 4) to the mounting plate (GV-Mount907, No. 5) using the screw (GV-Mount907, No. 4).

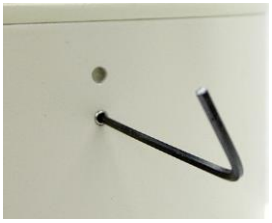


C. Secure the mounting plate with the support racks with the supplied screws (GV-Mount907, No. 3). Make sure the arrows on the mounting ring and mounting plate are aligned.



2. Secure the lock plate to the GV-IP Speed Dome.

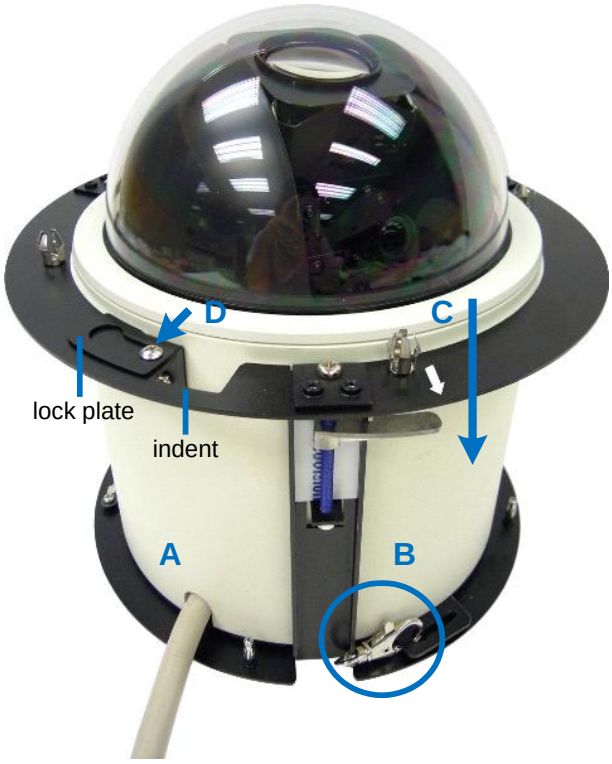
A. Unscrew the screw on the side of the camera body with the supplied hex key (GV-Mount907, No. 6).



B. Secure the lock plate (GV-Mount907, No. 7) to the camera body with the supplied screw (GV-Mount907, No. 7).



3. Assemble the GV-IP Speed Dome to the assembly done in step 1.



   A. Thread the camera data cable under the indent of the mounting ring.

   B. Hook the camera from the underside.

   C. Align the lock plate on the camera to the indent of the mounting ring. The camera should lie completely on the mounting plate.

   D. Rotate the camera to lock and secure the lock plate with the supplied screw.

4. Paste the installation sticker (GV-Mount907, No. 8) to the ceiling and drill the ceiling to the size of the installation sticker.

5. Insert the camera to the ceiling. Adjust the clips and screws to clip the camera tightly to the ceiling.



6. Put on the in-ceiling cover (GV-Mount907, No. 9) to finish installation.

7. Connect the network, power and other cables to the camera. See *1.6 Connecting the Camera*, *GV-IP Speed Dome User's Manual*.

6.2.2 GV-SD220-S / GV-SD2300



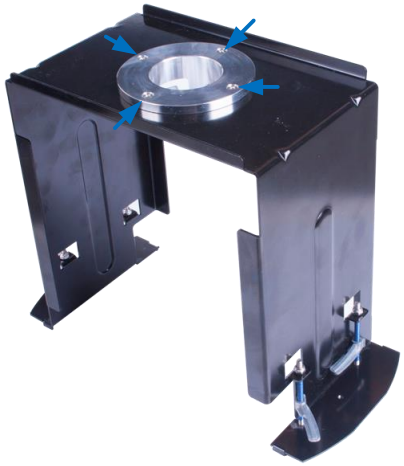
This installation method is only applicable to **GV-SD220-S** and **GV-SD2300**.

The complete installation weighs 6.75 kg / 14.88 lb. Make sure the chosen ceiling can bear the weight, but the thickness of the ceiling board must not exceed 3.5 cm (1.38 in).

Required Items

- GV-Mount908

1. Assemble the housing cap (GV-Mount908, No. 1) with the mounting plate (GV-Mount908, No. 2) using the 4 supplied screws (GV-Mount908, No. 3).



IMPORTANT: The housing cap only fits the mounting plate in a certain position. Rotate the housing cap on the mounting plate to make sure it fits tightly before securing it to the mounting plate.

2. Remove the camera dome.

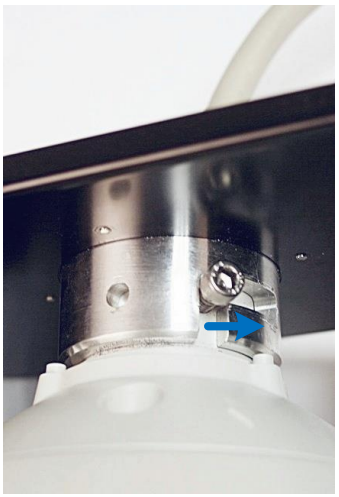


3. Secure the camera with the assembled mounting plate.

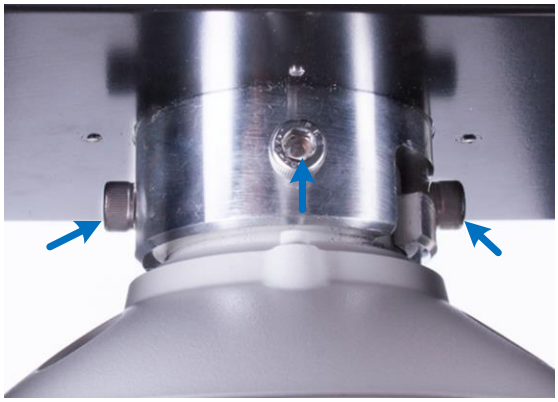
   A. Put 2 screws (GV-Mount908, No. 4) loosely on the opposite sides of the camera.

   B. Thread the camera data cable through the mounting plate and the housing cap.

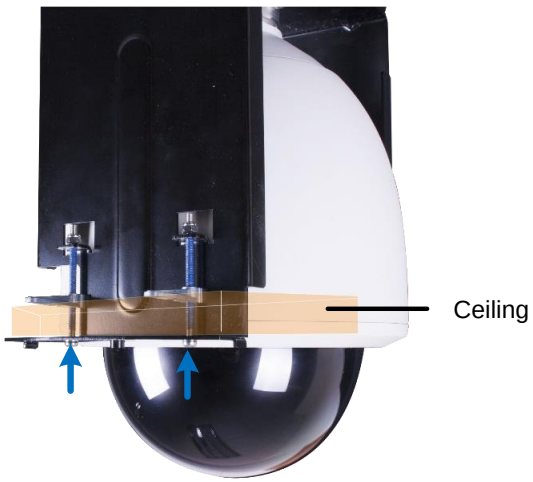
   C. Rotate the camera so that the screws lodge in the housing cap at the indicated position.



   D. Put on another 2 screws (GV-Mount908, No. 4) and use the supplied hex key (GV-Mount908, No.5) to secure all 4 screws tightly.



4. Drill the ceiling. Use the installation sticker (GV-Mount908, No. 6) to help you estimate the size of the camera.
5. Thread the camera data cable through the ceiling and insert the camera. Adjust the 4 screws to clip the camera tightly to the ceiling.



6. Secure the in-ceiling cover (GV-Mount908, No. 7) with 2 screws (GV-Mount908, No. 8) using the hex key (standard package).



7. Connect the network, power and other cables to the camera. See *1.6 Connecting the Camera*, *GV-IP Speed Dome User's Manual*.

6.2.3 GV-SD2301 / 2301 V2 / 2411 / 2411 V2



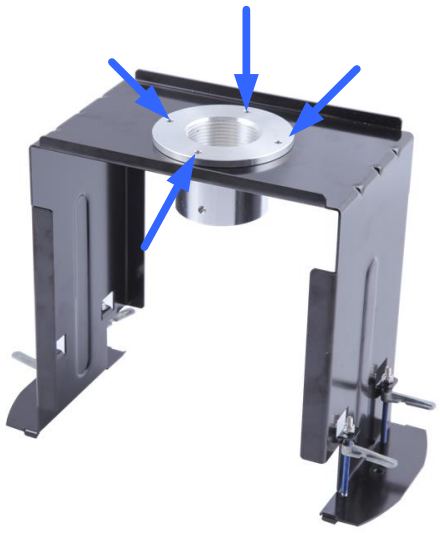
This installation method is only applicable to **GV-SD2301 / 2301 V2** and **GV-SD2411 / 2411 V2**.

The complete installation weighs 6.1 kg / 13.4 lb. Make sure the chosen ceiling can bear the weight, but the thickness of the ceiling board must not exceed 3.5 cm (1.38 in).

Required Items

- GV-Mount908-2

1. Assemble the housing cap (GV-Mount908-2, No. 1) with the mounting plate (GV-Mount908-2, No. 2) with 4 screws (GV-Mount908-2, No. 5).



IMPORTANT: The housing cap only fits the mounting plate in a certain position. Rotate the housing cap on the mounting plate to make sure it fits tightly before securing it to the mounting plate.

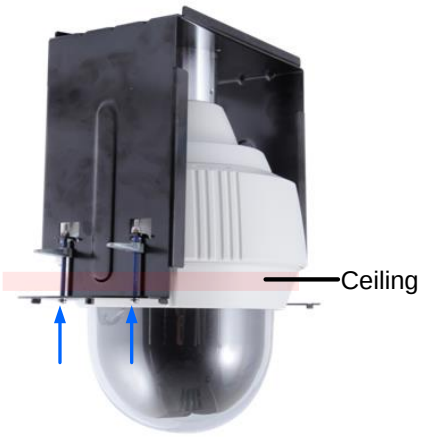
2. Assemble the mounting cap to the mounting plate by rotating the mounting cap onto the housing cap. Put on 2 screws (GV-Mount908-2, No. 6) and use the hex key (GV-Mount908-2, No.7) to secure both screws tightly.



3. Remove the camera dome.
4. Drill the ceiling. Use the installation sticker (GV-Mount908-2, No. 9) to help you estimate the size of the camera.
5. Thread the camera data cable through the ceiling and insert the camera. Rotate the camera onto the mounting cap.



6. Adjust the 4 screws to clip the camera tightly to the ceiling.



7. Secure the in-ceiling cover (GV-Mount908-2, No. 4) with 2 screws (GV-Mount908-2, No. 8) using the hex key (camera's standard package).



8. Connect the network, power and other cables to the camera. See *1.6 Connecting the Camera, GV-IP Speed Dome User's Manual*.

6.3 Straight Tube Box Mount

6.3.1 GV-SD220-S / GV-SD2300





This installation method is only applicable to **GV-SD220-S** and **GV-SD2300**.

Required accessories:

- GV-Mount100

The user needs to prepare:

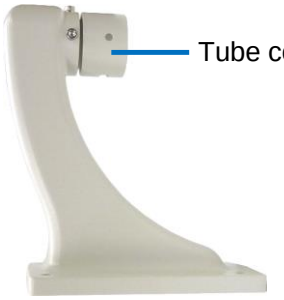
- Screws for ceiling x 4
- Corrugated tube x 1 (3/4", ø 26.0 ~ 26.5 mm)



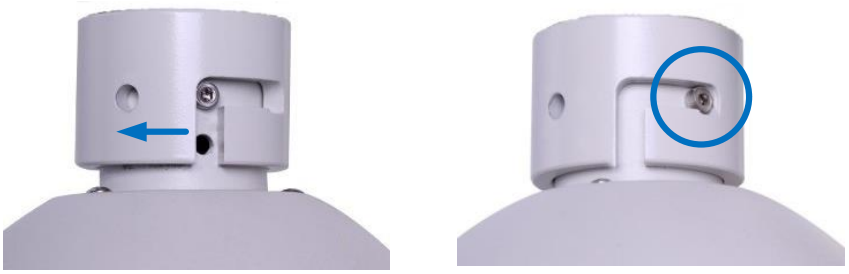
Optionally extend with:

- GV-Mount702

1. Follow step 1 in *6.1.1 GV-SD220-S / GV-SD2300* to insert the desiccant packs.
2. Remove the tube connector from the pendant tube with the supplied hex key. Save the M6 screws for later use.



3. Secure the tube connector to the dome.
   A. Assemble the tube connector with the dome and rotate the tube connector to lock it with the dome.



   B. Secure the tube connector with the supplied M6 screws.

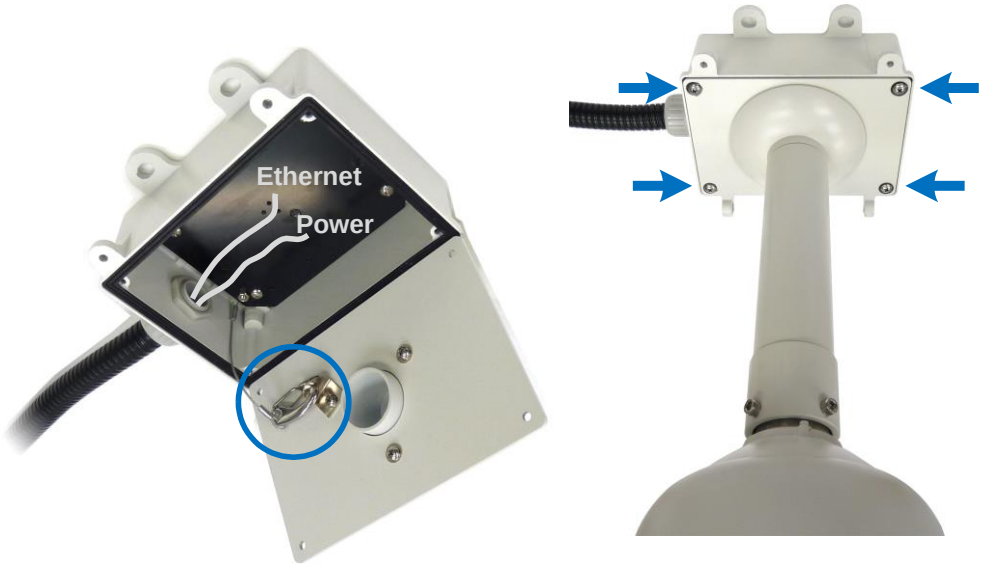


4. Assemble the tube (GV-Mount100, No. 3) and the tube connector (GV-Mount100, No. 4).



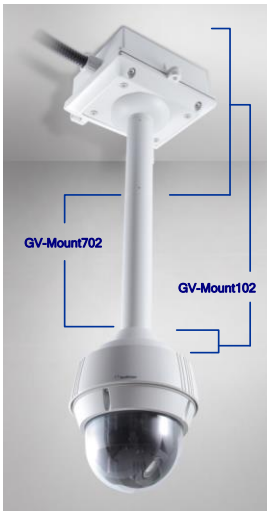
5. Thread the camera data cable through the tube and secure the tube to the dome with M6 screws.

6. Follow steps 3 to 6 in *5.2 Straight Tube Box Mount* to secure the tube and the junction box.
7. Connect the network, power and other cables to the camera. See *1.6 Connecting the Camera*, *GV-IP Speed Dome User's Manual*.
8. Hinge and hook the box cover and secure it with the supplied M5 flat screws (GV-Mount100, No. 5).



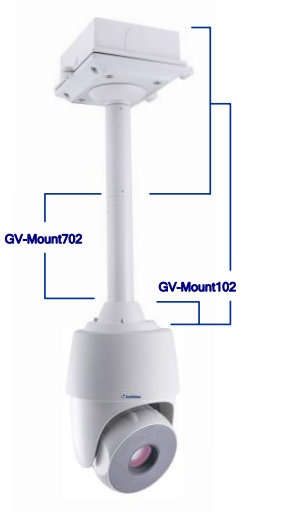
6.3.2 GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR





GV-SD2301 / 2411
GV-SD2301 V2 / 2411 V2





GV-SD2723-IR / 2733-IR

This installation method is only applicable to **GV-SD2301** / **2411** / **2301 V2** / **2411 V2** / **2723-IR** / **2733-IR**.

Required accessories:

- GV-Mount102

The user needs to prepare:

- Screws for ceiling x 4
- Corrugated tube x 1 (3/4", ø 26.0 ~ 26.5 mm)

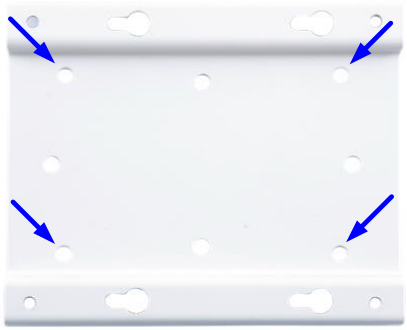


Optionally extend with:

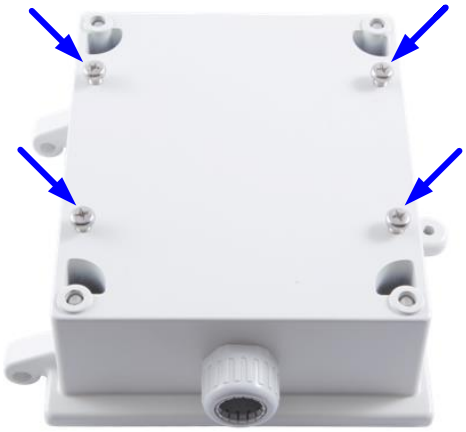
- GV-Mount702

---

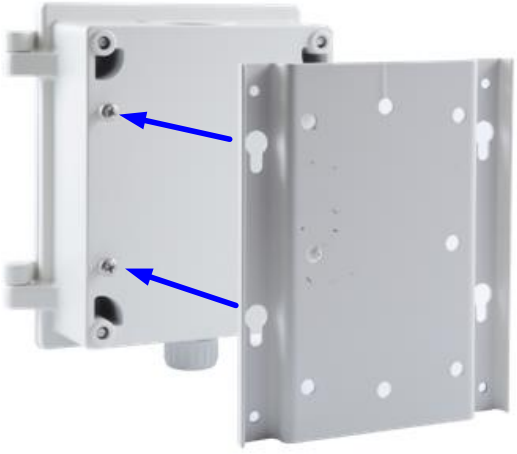
1. For GV-SD2301 / 2301 V2 / 2411 / 2411 V2, follow step 1 in *6.1.2 GV-SD2301 / 2301 V2 / SD2411 / 2411 V2* to insert the desiccant packs and the SD card. For GV-SD2723-IR / 2733-IR, follow step 1 in *6.1.4 GV-SD2723-IR / GV-SD2733-IR* to insert the SD card.
2. Secure the supporting plate (GV-Mount102, No. 3) to the ceiling with the 4 self-prepared screws.



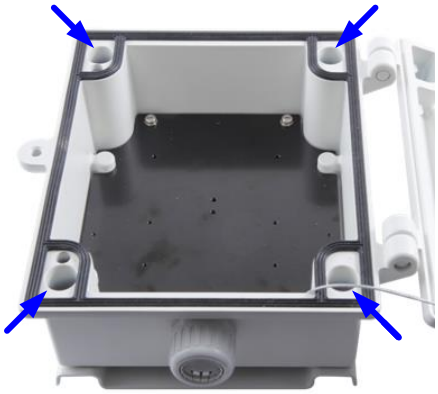
3. Fasten the 4 M8 (20 mm) screws (GV-Mount102, No. 11) to the back of the junction box (GV-Mount102, No. 1).



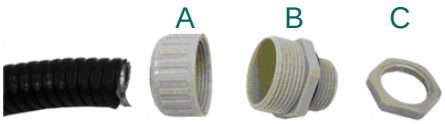
4. Hang the junction box onto the supporting plate. Slide the junction box sideway to lodge the 4 screws with the plate.



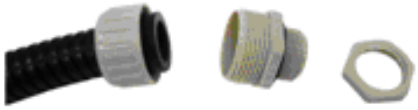
5. Fasten the 4 screws in the holes of the junction box using the supplied No. 6 hex key (GV-Mount102, No. 9).



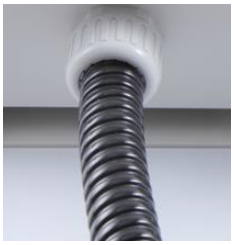
6. Assemble the corrugated tube connector with the self-prepared corrugated tube.
   A. Dismantle the corrugated tube connector from the junction box. You should have 3 components.



   B. Slide the corrugated tube connector to the self-prepared corrugated tube.



   C. Screw part B to the tube.
   D. Connect the corrugated tube to the box and secure with part C.



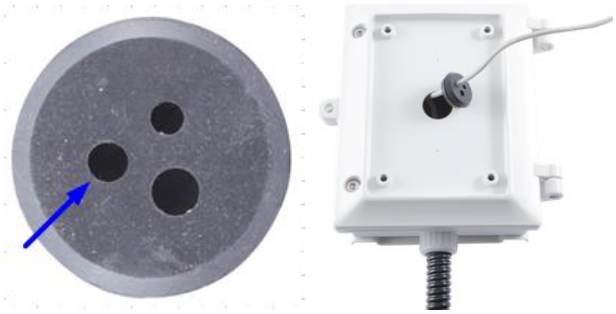
   E. Thread the necessary wires and cables through the corrugated tube.



7. Hinge and hook the box cover to the junction box.



8. Based on the sizes of the cables, thread the Ethernet cable(s) through the small-size or middle-size holes of the waterproof rubber (GV-Mount102, No. 12).



9. Cut a line through the biggest hole of the waterproof rubber, and thread the camera data cable through the hole.



10. Embed the waterproof rubber onto the top of the junction box.



11. Assemble the tube (GV-Mount102, No. 6), the mounting cap (GV-Mount102, No. 5), and the box cover plate (GV-Mount102, No. 4) by rotating the parts together.



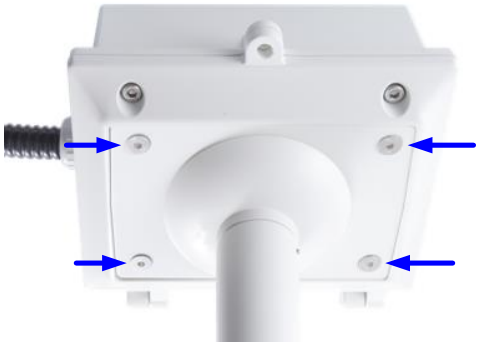
12. Make sure the tubes are properly screwed. Tighten the screws using the supplied No. 2 hex key (GV-Mount102, No. 8).



13. Thread the network, power and other cables (including the cables connected through the waterproof rubber) through the tube, and connect the tube with the camera.
14. Rotate the camera onto the mounting cap, and secure the camera using the supplied No. 5 hex key (GV-Mount102, No. 7). For detailed installation procedures of the cameras, see *6.1.2 GV-SD2301 / 2301 V2 / SD2411 / 2411 V2* and *6.1.4 GV-SD2723-IR / GV-SD2733-IR*.



15. Secure the box cover plate onto the box cover with M8 (16.2 mm) flat screws (GV-Mount102, No. 4).



16. Secure the box cover by fastening the 2 screws at the corner with the No. 6 hex key.



6.3.3 GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR





This installation method is only applicable to **GV-SD2322-IR** / **GV-SD2722-IR** / **GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR**.

Required accessories:

- GV-Mount105

The user needs to prepare:

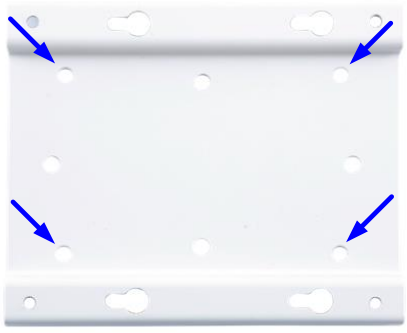
- Screws for ceiling x 4
- Corrugated tube x 1 (3/4", ø 26.0 ~ 26.5 mm)



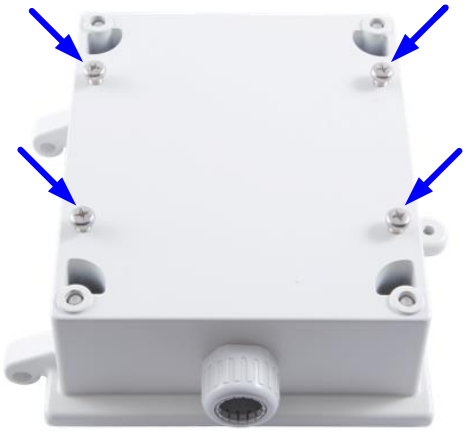
Optionally extend with:

- GV-Mount702

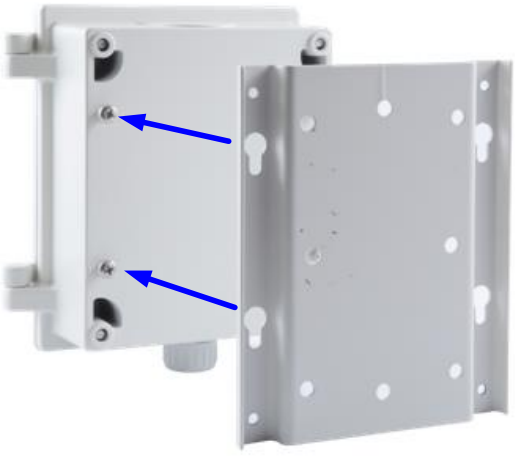
1. Follow steps 1 to 2 in *6.1.3 GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR / GV-QSD5730-Outdoor / GV-QSD5731-IR* to insert the SD card.
2. Secure the supporting plate (GV-Mount105, No. 3) to the ceiling with the 4 self-prepared screws.



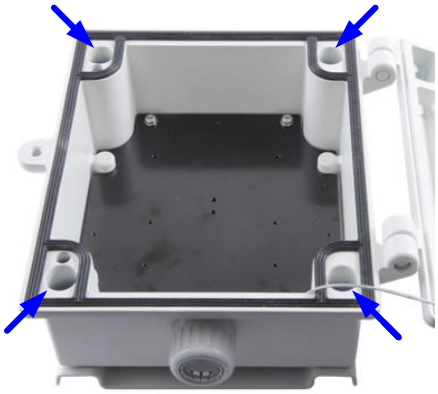
3. Fasten the 4 M8 (20 mm) screws (GV-Mount105, No. 11) to the back of the junction box (GV-Mount105, No. 1).



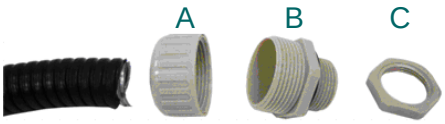
4. Hang the junction box onto the supporting plate. Slide the junction box sideway to lodge the 4 screws with the plate.



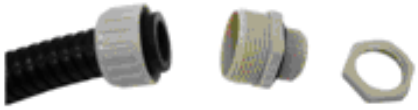
5. Fasten the 4 screws in the holes of the junction box using the supplied No. 6 hex key (GV-Mount105, No. 9).



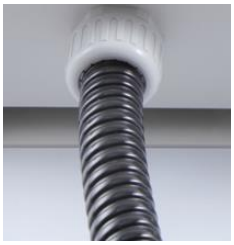
6. Assemble the corrugated tube connector with the self-prepared corrugated tube.
   A. Dismantle the corrugated tube connector from the junction box. You should have 3 components.



   B. Slide the corrugated tube connector to the self-prepared corrugated tube.



   C. Screw part B to the tube.
   D. Connect the corrugated tube to the box and secure with part C.



   E. Thread the necessary wires and cables through the corrugated tube.



7. Hinge and hook the box cover to the junction box.



8. Attach the anti-drop safety ring (GV-Mount105, No. 15) to the tube connector (GV-Mount105, No. 5).
9. Assemble the tube (GV-Mount105, No. 6), the housing cap (GV-Mount105, No. 5), and the box cover plate (GV-Mount105, No. 4) by rotating the parts together.

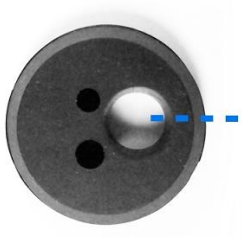


10. Make sure the tubes are properly screwed. Tighten the screws using the supplied No. 2 hex key (GV-Mount105, No. 8).



11. Follow steps 6-10 in *6.1.3 GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR / GV-QSD5730-Outdoor / GV-QSD5731-IR* to secure the safety lock, attach the camera with the tube, and waterproof the cable.

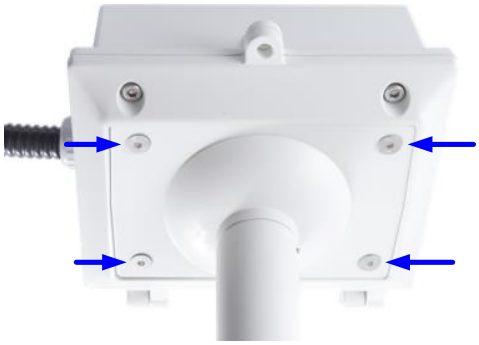
12. Cut a line through the biggest hole of the waterproof rubber B (GV-Mount105, No. 13), and thread the camera data cable through the hole.



13. Embed the waterproof rubber onto the top of the box cover.



14. Connect the network, power and other cables to the camera. See *Connecting the Camera* section, *GV-IP Speed Dome User's Manual*.
15. Secure the box cover plate onto the box cover with M8 (16.2 mm) flat screws (GV-Mount105, No. 10).

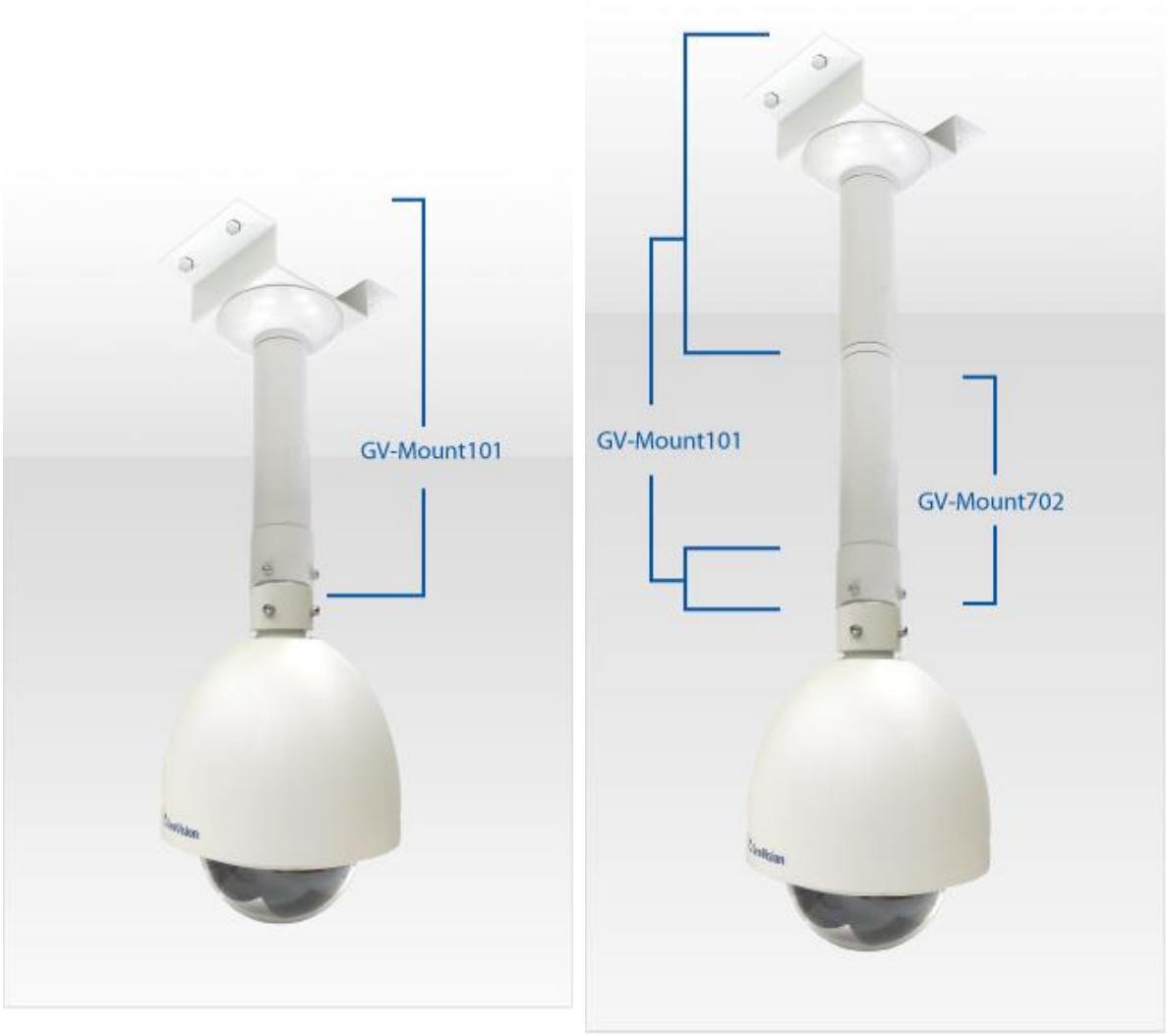


16. Secure the box cover by fastening the 2 screws at the corner with the No. 6 hex key.



6.4 Straight Tube Mount

6.4.1 GV-SD220-S / GV-SD2300



This installation method is only applicable to **GV-SD220-S** and **GV-SD2300**.

Required accessories:

- GV-Mount101

The user needs to prepare:

- Screws for ceiling x 4

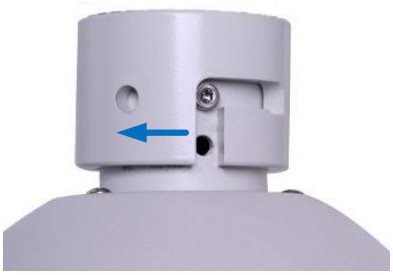
Optionally extend with:

- GV-Mount702

1. Follow steps 1 to 3 in *6.1.1 GV-SD220-S / GV-SD2300* to insert the desiccant.
2. Remove the tube connector from the pendant tube with the supplied hex key.



3. Secure the tube connector to the dome.
   A. Assemble the tube connector with the dome and rotate the tube connector to lock it with the dome.





   B. Secure the tube connector with the supplied M6 screws.



4. Assemble the tube (GV-Mount101, No. 2) and the tube connector (GV-Mount101, No. 3).



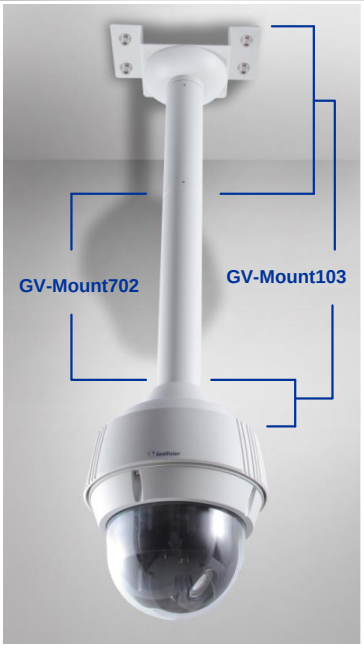
5. Thread the camera data cable through the tube and secure the tube to the dome with the M6 screws.

6. Follow steps 4 to 6 in *5.3 Straight Tube Mount* to assemble the mounting bracket and secure the dome to the ceiling.
7. Connect the network, power and other cables to the camera. See *1.6 Connecting the Camera*, *GV-IP Speed Dome User's Manual*.

6.4.2 GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR







GV-SD2301 / 2411
GV-SD2301 V2 / 2411 V2



GV-SD2723-IR / 2733-IR

This installation method is only applicable to **GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR**.

Required accessories:

- GV-Mount103
- GV-Mount103-1

The user needs to prepare:

- Screws for ceiling x 4

Optionally extend with:

- GV-Mount702

1. For GV-SD2301 / 2301 V2 / 2411 / 2411 V2, follow step 1 in *6.1.2 GV-SD2301 / 2301 V2 / SD2411 / 2411 V2* to insert the desiccant packs and the SD card. For GV-SD2723-IR / 2733-IR, follow step 1 in *6.1.4 GV-SD2723-IR / GV-SD2733-IR* to insert the SD card.
2. Assemble the tube (GV-Mount103 / 103-1, No. 3), the mounting cap (GV-Mount103 / 103-1, No. 2), and the mounting bracket (GV-Mount103 / 103-1, No. 1) by rotating the parts together.



3. Make sure the tubes are properly screwed. Tighten the screws using the supplied hex key (GV-Mount103 / 103-1, No. 4).



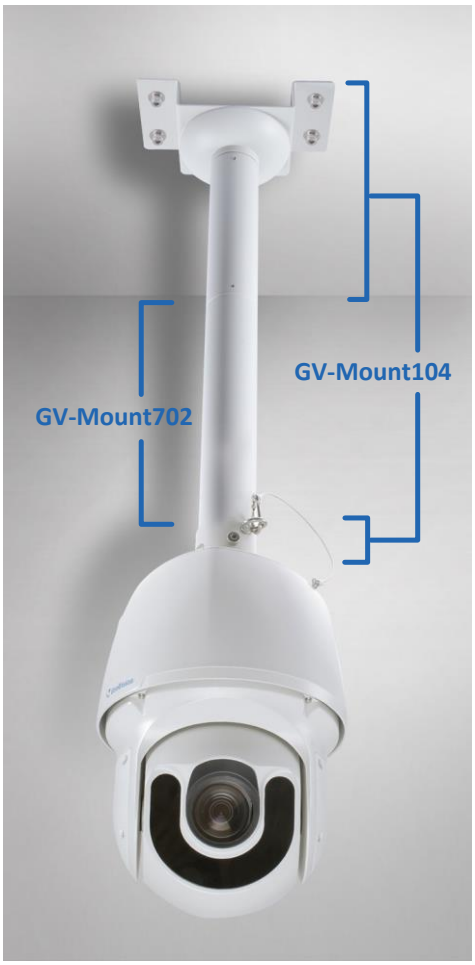
4. Thread the network, power and other cables (including the cables connected through the waterproof rubber) through the tube.
5. Connect the network, power and other cables to the camera. See *1.6 Connecting the Camera*, *GV-IP Speed Dome User's Manual*.
6. Rotate the camera onto the mounting cap and secure the camera using the supplied hex key (GV-Mount103 / 103-1, No. 4). For detailed installation procedures of the cameras, see *6.1.2 GV-SD2301 / 2301 V2 / SD2411 / 2411 V2* and *6.1.4 GV-SD2723-IR / GV-SD2733-IR*.



7. Secure the assembled camera to the ceiling with 4 self-prepared screws.

6.4.3 GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR





This installation method is only applicable to **GV-SD2322-IR** / **GV-SD2722-IR** / **GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR**.

Required accessories:

- GV-Mount104

The user needs to prepare:

- Screws for ceiling x 4

Optionally extend with:

- GV-Mount702

1. Follow steps 1 to 2 in *6.1.3 6.10.3 GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR* to insert the SD card.
2. Attach the anti-drop safety ring (GV-Mount104, No. 6) to the tube connector (GV-Mount104, No. 2).

3. Assemble the tube (GV-Mount104, No. 3), the tube connector (GV-Mount104, No. 2), and the mounting bracket (GV-Mount104, No. 1) by rotating the parts together.



4. Make sure the tubes are properly screwed. Tighten the screws using the No. 2 hex key (GV-Mount104, No. 4).



5. Secure the assembled tube to the ceiling with 4 self-prepared screws
6. Attach the safety lock of the camera to the tube connector.



7. Thread the network, power and other cables through the tube, and connect the cables to the camera. See *Connecting the Camera* section, *GV-IP Speed Dome User's Manual*.
8. Waterproof the cable and attach the camera with the tube. Refer to steps 8-10 in *6.1.3 6.10.3 GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR* for detailed instructions.

6.5 Convex Corner Mount



GV-SD220-S / GV-SD2300



GV-SD2301 / 2301 V2 / 2411 / 2411 V2



GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR



GV-SD2723-IR / 2733-IR

This installation method is only applicable to **outdoor GV-IP Speed Dome**.

Required accessories:

- GV-Mount210 - Pendant Tube (Accessory for GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR and standard package for all other outdoor GV-IP Speed Dome)
- GV-Mount300-1

The user needs to prepare:

- Screws for wall x 8

1. Assemble the camera with the pendant tube. See *6.1 Assembling Outdoor IP Speed Dome with Pendant Tube*.
2. Follow steps 3 to 5 in *5.7 Convex Corner Mount* to assemble the mounting plates to the camera and secure the camera to the wall. For GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR, use the 45-mm M8 screws instead of the 30-mm M8 screws.
3. Connect the network, power and other cables to the camera. See *Connecting the Camera*, *GV-IP Speed Dome User's Manual* or *GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR User's Manual*.

6.6 Convex Corner Box Mount

6.6.1 GV-SD220-S / GV-SD2300



This installation method is only applicable to **GV-SD220-S** and **GV-SD2300**.

Required accessories:

- GV-Mount203
- GV-Mount300-1

The user needs to prepare:

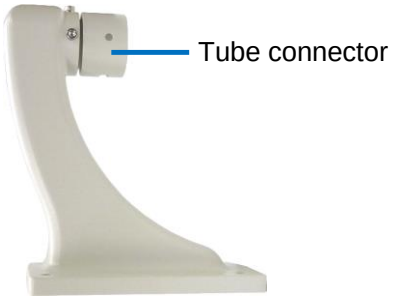
- Screws for wall x 8
- Corrugated tube x 1 (3/4", ø 26.0 ~ 26.5 mm)



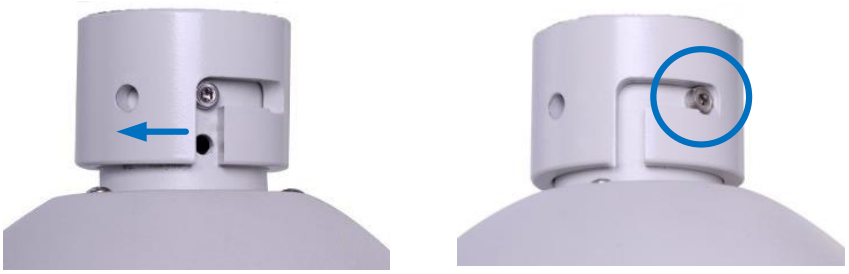
---

1. Follow steps 2 to 5 in *5.8 Convex Corner Box Mount* to assemble the mounting plates, box and corrugated tube and secure them to the wall.
2. Follow step 1 in *6.1.1 GV-SD220-S / GV-SD2300* to insert the desiccant packs.

3. Remove the tube connector from the pendant tube with the supplied hex key. Save the M6 screws for later use.



4. Secure the tube connector to the dome.
   A. Assemble the tube connector with the dome and rotate the tube connector to lock it with the dome.



   B. Secure the tube connector with the supplied M6 screws.



5. Thread the camera data cable through the wall pendant tube (GV-Mount203, No. 2), and assemble the dome housing and the tube with M6 screws.

6. Hinge and hook the pendant tube to the junction box.



7. Connect the network, power and other cables to the camera. See *1.6 Connecting the Camera*, *GV-IP Speed Dome User's Manual*.

6.6.2 GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR



GV-SD2301 / 2301 V2 / 2411 / 2411 V2



GV-SD2723-IR / 2733-IR

This installation method is only applicable to **GV-SD2301** / **2301 V2** / **2411** / **2411 V2** / **2723-IR** / **2733-IR**.

Required accessories:

- GV-Mount501
- GV-Mount300-1

The user needs to prepare:

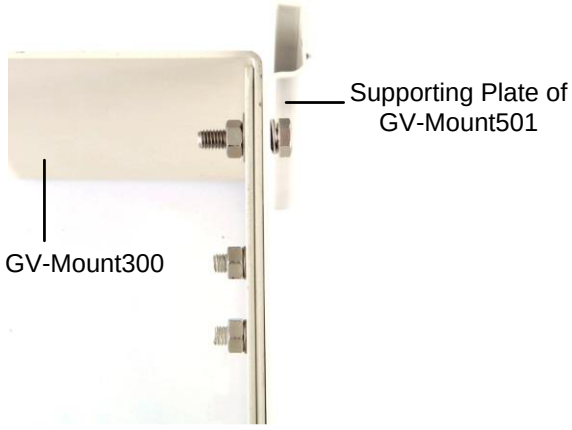
- Screws for ceiling x 8
- Corrugated tube x 1 (3/4", ø 26.0 ~ 26.5 mm)



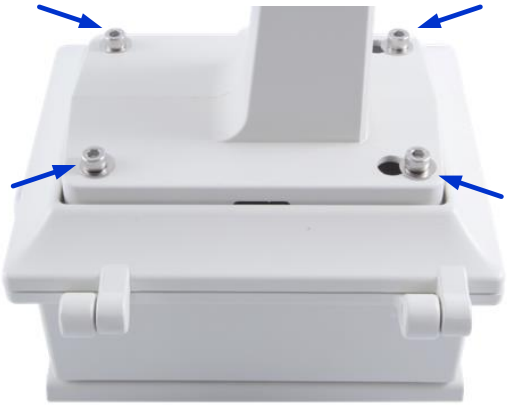
---

1. For GV-SD2301 / 2301 V2 / 2411 / 2411 V2, follow step 1 in *6.1.2 GV-SD2301 / 2301 V2 / 2411 / 2411 V2* to insert the desiccant packs and the SD card. For GV-SD2723-IR / 2733-IR, follow step 1 in *6.1.4 GV-SD2723-IR / GV-SD2733-IR* to insert the SD card.

2. Connect the supporting plate of GV-Mount501 to GV-Mount300-1 by fastening the 4 M8 30-mm screws and plain washers (supplied with GV-Mount300-1), and fasten the 4 M8 (30-mm) screws and plain washers.



3. Follow steps 3 to 9 in *6.3.2 GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR* to set up the cables and assemble the junction box.
4. Follow steps 2 to 3-C in *6.1.2 GV-SD2301 / 2301 V2 / 2411 / 2411 V2* to connect the camera cables and assemble the camera with the pendant tube.
5. Secure the pendant tube onto the box cover with the 4 supplied M8 (30-mm) screws (GV-Mount501, No. 5) and 4 plain washers (GV-Mount501, No. 9).





6. Secure the box cover by fastening the 2 screws at the corner with the supplied No. 6 hex key (GV-Mount501, No. 8).



6.6.3 GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR



This installation method is only applicable to **GV-SD2322-IR** / **GV-SD2722-IR** / **GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR**.

Required accessories:

- GV-Mount210
- GV-Mount501
- GV-Mount300-1

The user needs to prepare:

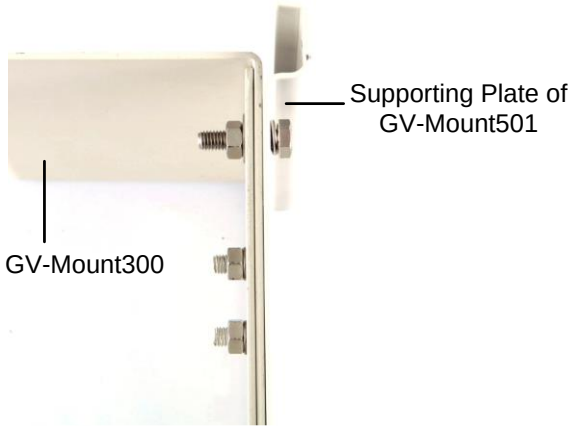
- Screws for ceiling x 8
- Corrugated tube x 1 (3/4", ø 26.0 ~ 26.5 mm)



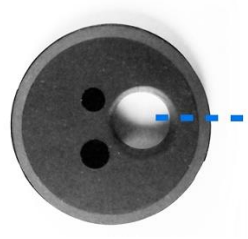
---

1. Follow steps 1 to 2 in *6.1.3 GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR / GV-QSD5730-Outdoor / GV-QSD5731-IR* to insert the SD card.

2. Connect the supporting plate of GV-Mount501 to GV-Mount300-1 by fastening the 4 M8 30-mm screws and plain washers (supplied with GV-Mount300-1), and fasten the 4 M8 (30-mm) screws and plain washers.



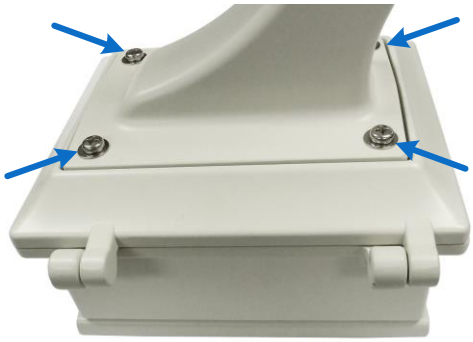
3. Follow steps 3 to 7 in *6.3.3 GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR* to assemble the junction box.
4. Follow steps 6 to 10 in *6.1.3 GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR / GV-QSD5730-Outdoor / GV-QSD5731-IR* to secure the safety lock, attach the camera to the pendant tube (GV-Mount210, No.1), and waterproof the data cable.
5. Cut a line through the biggest hole of the waterproof rubber B (GV-Mount501, No. 10), and thread the camera data cable through the hole.



6. Embed the waterproof rubber onto the box cover.



7. Secure the pendant tube onto the box cover with the 4 supplied M8 (20 mm) screws (GV-Mount501, No. 5) and 4 plain washers (GV-Mount501, No. 9).





8. Secure the box cover by fastening the 2 screws at the corner with the No. 6 hex key.



6.7 Concave Corner Mount



GV-SD220-S / GV-SD2300



GV-SD2301 / 2301 V2 / 2411 / 2411 V2



GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR



GV-SD2723-IR / 2733-IR

This installation method is only applicable to **outdoor GV-IP Speed Dome**.

Required accessories:

- GV-Mount210 - Pendant Tube (Accessory for GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR and standard package for all other outdoor GV-IP Speed Dome)
- GV-Mount310-1

The user needs to prepare:

- Screws for wall x 8

1. Assemble the camera with the pendant tube. See *6.1 Assembling Outdoor IP Speed Dome with Pendant Tube*.
2. Follow steps 2, 4 and 5 in *5.9 Concave Corner Mount* to assemble the mounting plates and secure the camera to the wall. For GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR, use the 45-mm M8 screws instead of the 30-mm M8 screws.
3. Connect the network, power and other cables to the camera. See *Connecting the Camera*, *GV-IP Speed Dome User's Manual* or *GV-SD2322-IR* / *GV-SD2722-IR* / *GV-SD3732-IR User's Manual*.

6.8 Pole Mount



GV-SD220-S / GV-SD2300



GV-SD2301 / 2301 V2 / 2411 / 2411 V2



GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR



GV-SD2723-IR / 2733-IR

This installation method is only applicable to **outdoor GV-IP Speed Dome**.

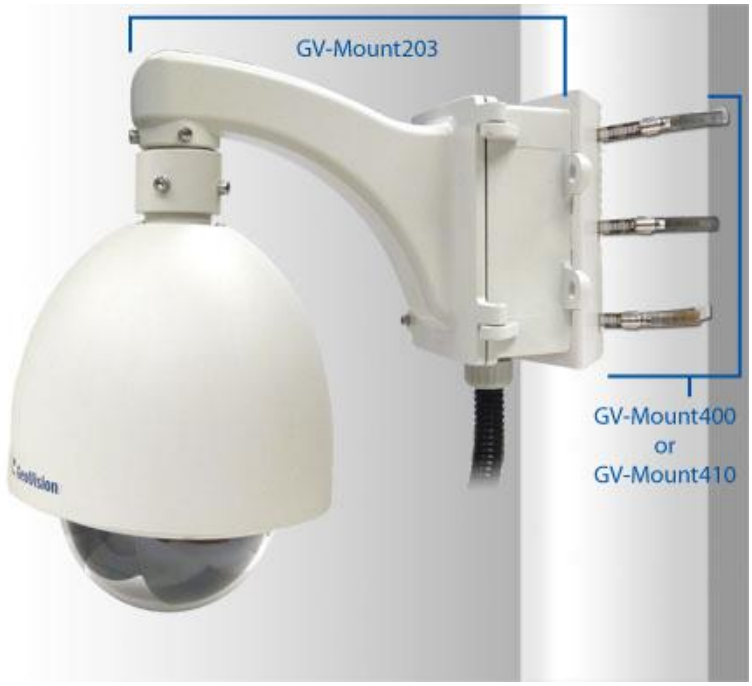
Required accessories:

- GV-Mount210 - Pendant Tube (Accessory for GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR and standard package for all other outdoor GV-IP Speed Dome)
- GV-Mount400-1 or GV-Mount410-1

1. Assemble the camera with the pendant tube. See *6.1 Assembling Outdoor IP Speed Dome with Pendant Tube*.
2. Follow step 2 in *5.10 Pole Mount* to secure the pole mount bracket.
3. Follow step 4 in *5.10 Pole Mount* to secure the camera to the pole. For GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR, use the 45-mm M8 screws instead of the 30-mm M8 screws.
4. Connect the network, power and other cables to the camera. See *Connecting the Camera*, *GV-IP Speed Dome User's Manual* or *GV-SD2322-IR / GV-SD2722-IR* / *GV-SD3732-IR User's Manual*.

6.9 Pole Box Mount

6.9.1 GV-SD220-S / GV-SD2300



This installation method is only applicable to **GV-SD220-S** and **GV-SD2300**.

Required accessories:

- GV-Mount203
- GV-Mount400-1 or GV-Mount410-1

Required accessories:

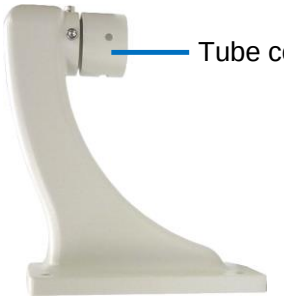
- Corrugated tube x 1 (3/4", ø 26.0 ~ 26.5 mm)



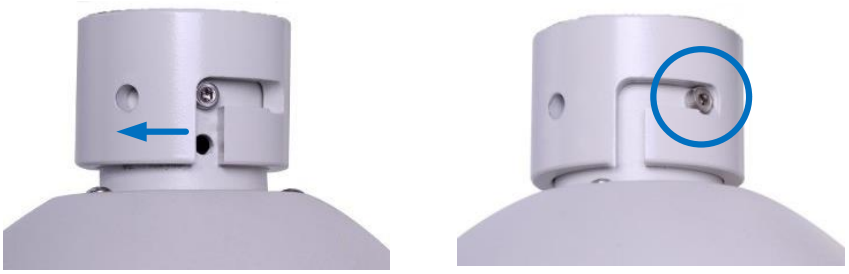
---

1. Follow step 1 in *6.1.1 GV-SD220-S / GV-SD2300* to insert the desiccant packs.
2. Follow steps 2 to 4 in *5.11 Pole Box Mount* to install the junction box, mounting bracket and corrugated tube.

3. Remove the tube connector from the pendant tube with the supplied hex key. Save the M6 screws for later use.



4. Secure the tube connector to the dome.
   A. Assemble the tube connector with the dome and rotate the tube connector to lock it with the dome.



   B. Secure the tube connector with the supplied M6 screws.



5. Thread the camera data cable through the pendant tube (GV-Mount203, No. 2) and secure them together with M6 screws.
6. Follow step 6 in *5.11 Pole Box Mount* to hook the pendant tube to the junction box.
7. Connect the network, power and other cables to the camera. See *1.6 Connecting the Camera*, *GV-IP Speed Dome User's Manual*.
8. Conceal the junction box with M5 screws (GV-Mount203, No. 3) using the supplied hex key (GV-Mount203, No. 5).

6.9.2 GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR



GV-SD2301 / 2301 V2 / 2411 / 2411 V2



GV-SD2723-IR / 2733-IR

This installation method is only applicable to **GV-SD2301** / **2301 V2** / **2411** / **2411 V2** / **2723-IR** / **2733-IR**.

Required accessories:

- GV-Mount501
- GV-Mount400-1 or GV-Mount410-1

The user needs to prepare:

- Screws for ceiling x 4
- Corrugated tube x 1 (3/4", ø 26.0 ~ 26.5 mm)



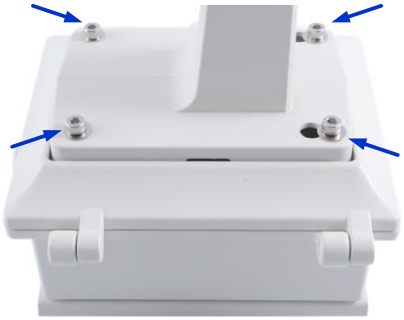
---

1. For GV-SD2301 / 2301 V2 / 2411 / 2411 V2, follow step 1 in *6.1.2 GV-SD2301 / 2301 V2 / 2411 / 2411 V2* to insert the desiccant packs and the SD card. For GV-SD2723-IR / 2733-IR, follow step 1 in *6.1.4 GV-SD2723-IR / GV-SD2733-IR* to insert the SD card.

2. Connect the supporting plate of GV-Mount501 to GV-Mount400-1 or GV-Mount410-1 by fastening the 4 M8 30-mm screws and plain washers (supplied with GV-Mount400-1 or GV-Mount410-1), and fasten the 4 M8 (30-mm) screws and plain washers.



3. Follow steps 3 to 9 in *6.3.2 GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR* to set up the cables and assemble the junction box.
4. Follow steps 2 to 3-C in *6.1.2 GV-SD2301 / 2301 V2 / 2411 / 2411 V2* to connect the camera cables and assemble the camera with the pendant tube.
5. Secure pendant tube onto the box cover with the 4 supplied M8 (30-mm) screws (GV-Mount501, No. 5) and 4 plain washers (GV-Mount501, No. 9).





6. Secure the box cover by fastening the 2 screws at the corner with the supplied No. 6 hex key (GV-Mount501, No. 8).



6.9.3 GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR



This installation method is only applicable to **GV-SD2322-IR** / **GV-SD2722-IR** / **GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR**.

Required accessories:

- GV-Mount210
- GV-Mount501
- GV-Mount400-1 or GV-Mount410-1

The user needs to prepare:

- Screws for ceiling x 4
- Corrugated tube x 1 (3/4", ø 26.0 ~ 26.5 mm)



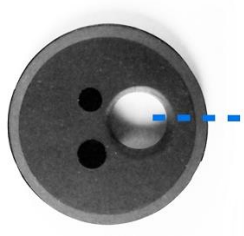
---

1. Follow step 1 in *6.1.3 GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR / GV-QSD5730-Outdoor / GV-QSD5731-IR* to insert the SD card.

2. Connect the supporting plate of GV-Mount501 to GV-Mount400-1 or GV-Mount410-1 by fastening the 4 M8 30-mm screws and plain washers (supplied with GV-Mount400-1 or GV-Mount410-1), and fasten the 4 M8 (30-mm) screws and plain washers.



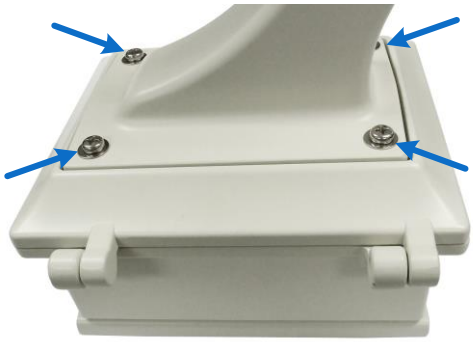
3. Follow steps 3 to 7 in *6.3.3 GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR* to assemble the junction box.
4. Follow steps 6 to 10 in *6.1.3 GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR / GV-QSD5730-Outdoor / GV-QSD5731-IR* to secure the safety lock, attach the camera to the pendant tube (GV-Mount210, No.1), and waterproof the data cable.
5. Cut a line through the biggest hole of the waterproof rubber B (GV-Mount501, No. 10), and thread the camera data cable through the hole.



6. Embed the waterproof rubber onto the top of the box cover.



7. Secure the pendant tube onto the box cover with the 4 M8 (30-mm) screws (GV-Mount501, No. 5) and 4 plain washers (GV-Mount501, No. 9) supplied.





8. Secure the box cover by fastening the 2 screws at the corner with the No. 6 hex key.



6.10 Swan Neck Mount

6.10.1 GV-SD220-S / GV-SD2300



Required accessories:

- GV-Mount208-2

The user needs to prepare:

- Screws for ceiling x 4
- Corrugated tube x 1 (3/4", ø 26.0 ~ 26.5 mm)

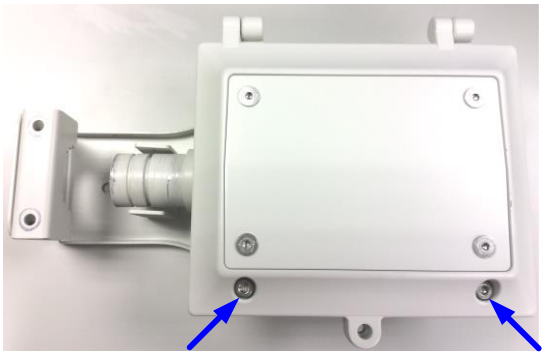


- Adjustable wrench x 1

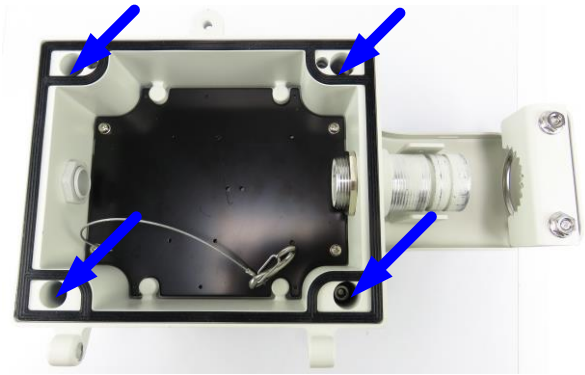
Optionally extend with:

- GV-Mount702

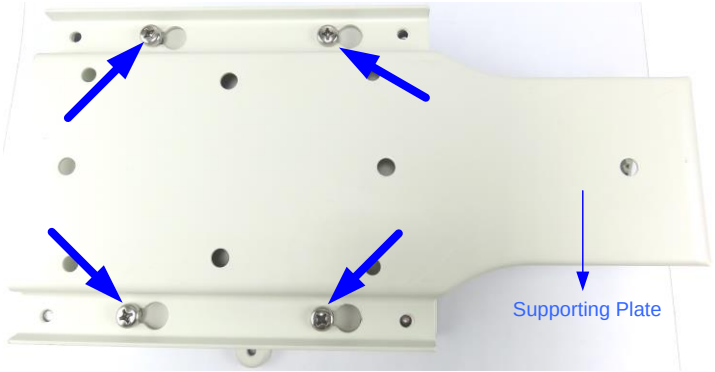
1. Loosen the indicated two screws of the junction box (GV-Mount208-2, No. 7) using the No. 6 hex key (GV-Mount208-2, No. 4) and open the box cover.



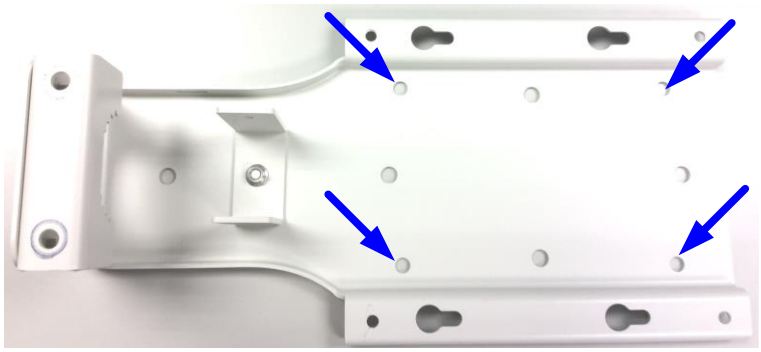
2. Loosen the 4 screws in the holes of the junction box using No. 6 hex key (GV-Mount208-2, No. 4) without removing them.



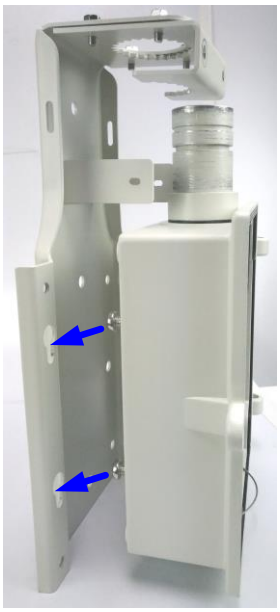
3. Turn over the junction box and loosen the four screws in the back with a screwdriver to remove the supporting plate.



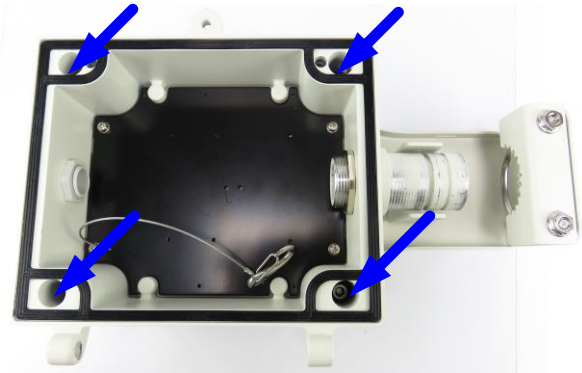
4. Secure the supporting plate to the wall with the 4 self-prepared screws.



5. Hang the junction box onto the supporting plate. Slide the box sideway to lodge the 4 screws with the plate.



6. Fasten the 4 screws in the holes of the junction box.

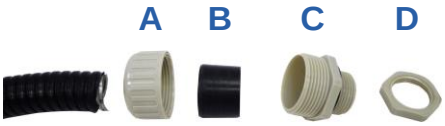


7. Hinge and hook the box cover to the junction box.



8. Assemble the supplied corrugated tube connector with the self-prepared corrugated tube and the junction box.

   A. Dismantle the supplied corrugated tube connector. You should have 4 parts.

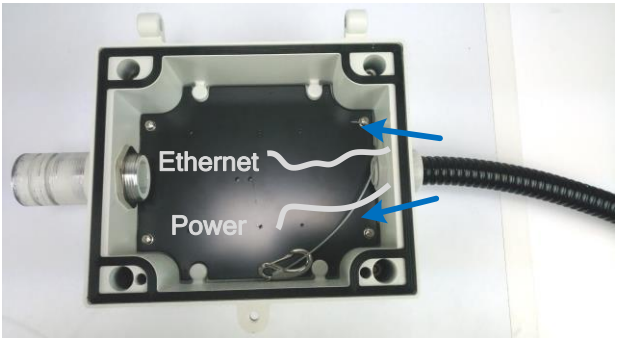


   B. Slide part A and part B to the self-prepared corrugated tube.

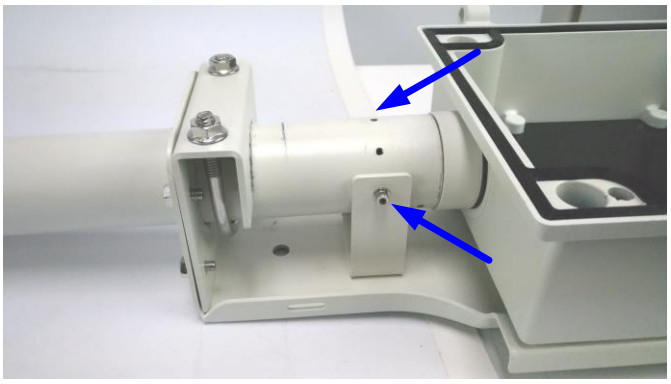


   C. Screw part C to the tube.

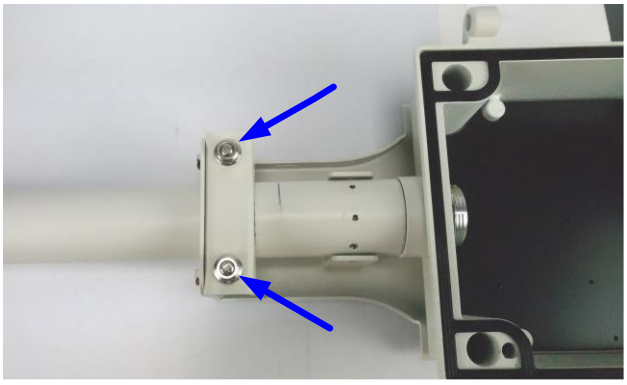
   D. Thread the power, network and other wires from the wall through the corrugated tube into the junction box and secure it with part D.



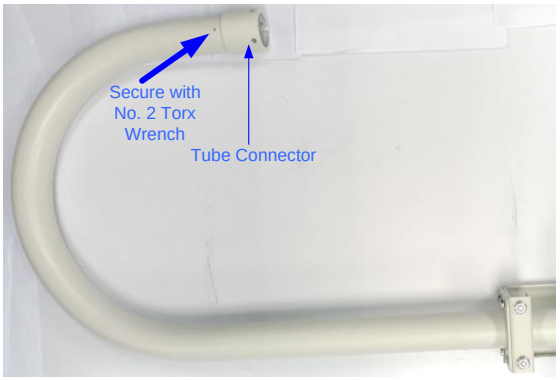
9. Connect the swan neck stainless tube (GV-Mount208-2, No. 5) with the junction box and fasten the washers (GV-Mount208-2, No. 6) on the two sides of the swan neck tube with the No. 3 hex key (GV-Mount208-2, No. 2). Adjust the swan neck tube to suit your needs while you connect them.



10. Fasten the screws on the top of the swan neck with a self-prepared adjustable wrench.

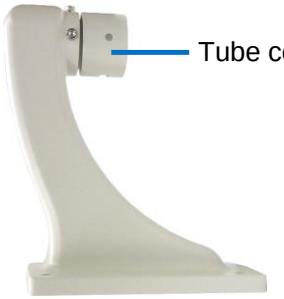


11. Secure the tube connector (GV-Mount208-2, No. 8) to the swan neck stainless tube with the No.2 hex key (GV-Mount208-2, No. 1). Thread the wires and cables through the tube.



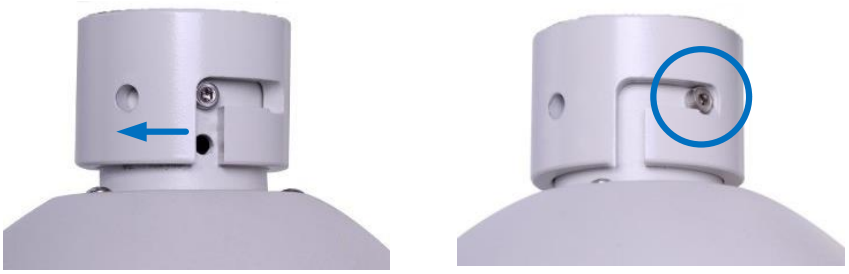
12. Follow step 1 in *6.1.1 GV-SD220-S / GV-SD2300* to insert the desiccant packs.

13. Remove the tube connector from the wall pendant tube (GV-Mount200) with the supplied hex key. Save the M6 screws for later use.



14. Secure the tube connector to the dome.

A. Assemble the tube connector with the dome and rotate the tube connector to lock it with the dome.



B. Secure the tube connector with the supplied M6 screws.

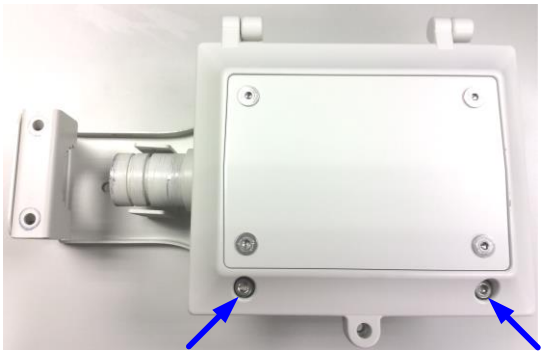


15. To connect the network, power and other cables to the camera. See *1.6 Connecting the Camera, GV-IP Speed Dome User's Manual*.

16. Secure the camera onto the tube connector (GV-Mount208-2).

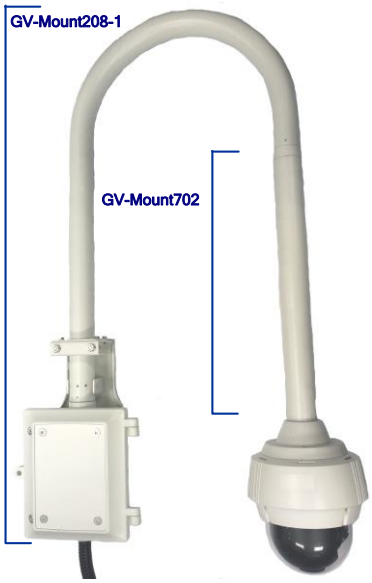


17. Secure the box cover by fastening the 2 screws.



6.10.2 GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR





GV-SD2301 / 2301 V2 / 2411 / 2411 V2



GV-SD2723-IR / 2733-IR

This installation method is only applicable to **GV-SD2301 / 2301 V2 / 2411 / 2411 V2 / 2723-IR / 2733-IR**.

Required accessories:

- GV-Mount208-1

The user needs to prepare:

- Screws for ceiling x 4
- Corrugated tube x 1 (3/4", ø 26.0 ~ 26.5 mm)



- Adjustable wrench x 1

Optionally extend with:

- GV-Mount702

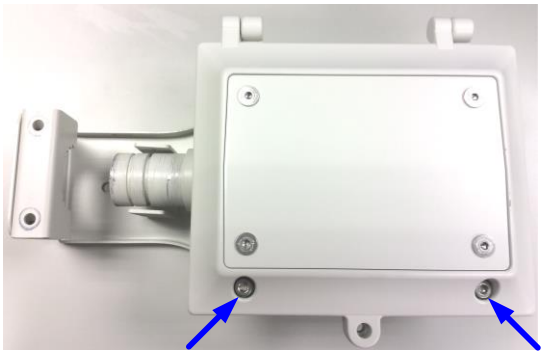
1. To install GV-Mount208-1 to the wall, follow steps 1 to 10 in *6.10.1 GV-SD220-S / GV-SD2300*.
2. Secure the tube connector (GV-Mount208-1, No. 8) to the swan neck stainless tube.



3. To insert the desiccant packs and the SD card into the camera, see step 1 in *6.1.2 GV-SD2301 / 2301 V2 / 2411 / 2411 V2* and *6.1.4 GV-SD2723-IR / GV-SD2733-IR* for the respective cameras. To connect cables to the camera, see steps 2B to 2J in *6.1.2 GV-SD2301 / 2301 V2 / 2411 / 2411 V2.*
4. Rotate the camera onto the mounting cap, and secure the camera using No. 5 hex key (GV-Mount208-1, No. 3).



5. Secure the junction box cover.



6.10.3 GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR



GV-SD2322-IR / **GV-SD2722-IR** / **GV-SD3732-IR**

This installation method is only applicable to **GV-SD2322-IR** / **GV-SD2722-IR** / **GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR**.

Required accessories:

- GV-Mount208-3

The user needs to prepare:

- Screws for ceiling x 4
- Corrugated tube x 1 (3/4", ø 26.0 ~ 26.5 mm)



- Adjustable wrench x 1

Optionally extend with:

- GV-Mount702

---

1. To insert the SD card into the camera, see steps 1 and 2 in *6.1.3 GV-SD2322-IR / GV-SD2722-IR / GV-SD3732-IR / GV-SD4825-IR / GV-SD4834-IR / GV-QSD5730-Outdoor / GV-QSD5731-IR*.
2. To install GV-Mount208-3 to the wall, follow steps 1 to 10 in *6.10.1 GV-SD220-S / GV-SD2300*.
3. Attach the anti-drop safety ring (GV-Mount208-3, No. 9) to the tube connector (GV-Mount208-3, No. 8).
4. Secure the tube connector (GV-Mount208-3, No. 8) to the swan neck stainless tube.



5. Attach the safety lock of the camera to the anti-drop safety ring.



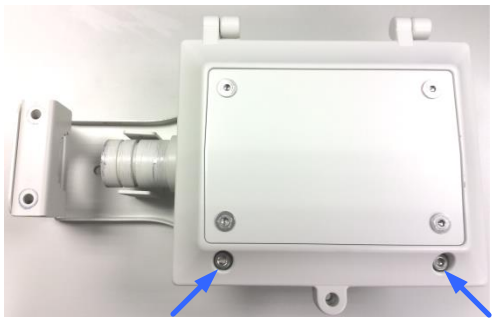
6. Thread the wires and cables through the tube. To connect the network, power and other cables to the camera, see *Connecting the Camera* section, *GV-IP Speed Dome User's Manual*.
7. Attach the camera onto the tube connector, rotate the camera until it is locked into position



8. Insert and tighten the indicated screws (GV-Mount208-3, No. 2).



9. Secure the junction box cover.



7. Installing the Bullet / Target Bullet / LPR Camera

Besides the Bullet Camera Series, the installation methods in Chapter 7 only apply to **GV-EBL2101 / 2111 / 2702 / 3101 / 4702 / 4711 / 5101** of the Target Bullet Camera Series and **GV-LPC2210 / LPC2011** of the IP LPR Camera Series.

7.1 Convex Corner Mount



GV-Bullet Camera, GV-EBL2101 / 2111 / 2702 / 3101 / 4702 / 4711 / 5101 and **GV-LPC2210 / LPC2011**

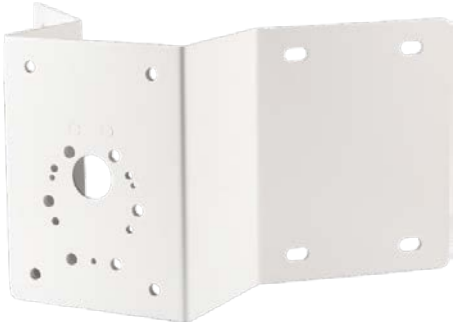
Required accessories:

- GV-Mount300-1

The user needs to prepare:

- Screws for wall x 8

1. Assemble the mounting plates (GV-Mount300-1, No. 1), slide in the plain washer (GV-Mount300-1, No. 4), then the split washer (GV-Mount300-1, No. 5), and secure with the screw cap (GV-Mount300-1, No. 6).



2. For GV-BL1501 / 2501 / 3401 / 1511 / 2511 / 3411 / 5311 / 2702 / 4702 / 4713 / 5713 and GV-BL2511-E / 5311-E, loosen the indicated screws to remove the base and the back plate.



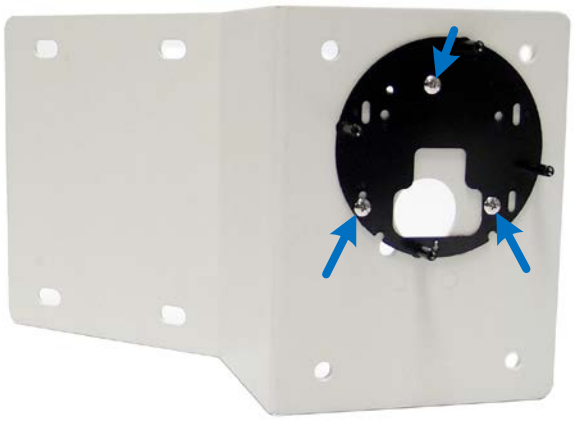
Back Plate

Note: To see how to thread the cables into the camera, refer to *Installation*, *Bullet Camera (II)* Chapter, ***GV-IPCam Hardware Manual – BL***.

---

3. Assemble the camera or the back plate with the mounting plates.

- **GV-BL1501 / 2501 / 3401 / 1511 / 2511 / 3411 / 5311 / 2702 / 4702 / 4713 / 5713** and **GV-BL2511-E / 5311-E:** From the front, align the back plate with the mounting plates and insert the M4 screws. From the back, secure the M4 screw using the nuts and plates. The M4 screws, nuts and plates come with the camera packing list.

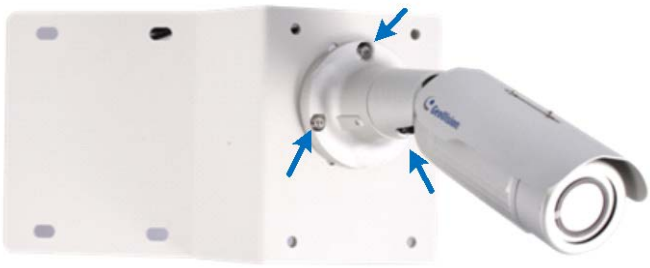


Front View



Back View

- **Other GV-Bullet Camera models:** From the front, align the M5 split washer (GV-Mount300-1, No. 9) and insert the M5 screws (GV-Mount300-1, No. 7). From the backside, secure using M5 plain washer (GV-Mount300-1, No. 8) and M5 screw cap (GV-Mount300-1, No. 10).



Front View



Back View

- **GV-EBL2101 / 2111 / 2702 / 3101 / 4702 / 4711 / 5101** and **GV-BL3700/5700:** From the front, insert the screw for mounting kit (supplied with the camera). From the backside, secure using the nut for mounting (supplied with the camera).



Front View



Back View

4. For GV-BL1501 / 2501 / 3401 / 1511 / 2511 / 3411 / 5311 / 2702 / 4702 / 4713 / 5713 and GV-BL2511-E / 5311-E, re-attach the camera back to the back plate.
5. Secure the mounting plates to the wall with 8 self-prepared screws.
6. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the network, power and other cables to the camera. See *Connecting the Camera, Bullet Camera* Chapter, ***GV-IPCam Hardware Manual - BL***.
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   C. Adjust the angle, focus and zoom of the camera. See *Adjusting the Angles* and *Adjusting the Lens and Inserting a Memory Card* in *Bullet Camera* Chapter, ***GV-IPCam Hardware Manual - BL***.
   D. Install the sun-shield cover. See *Installing the Sun-Shield Cover*, *Bullet Camera* Chapter, ***GV-IPCam Hardware Manual - BL***.

7.2 Concave Corner Mount



GV-Bullet Camera, GV-EBL2101 / 2111 / 2702 / 3101 / 4702 / 4711 / 5101 and **GV-LPC2210 / LPC2011**

Required accessories:

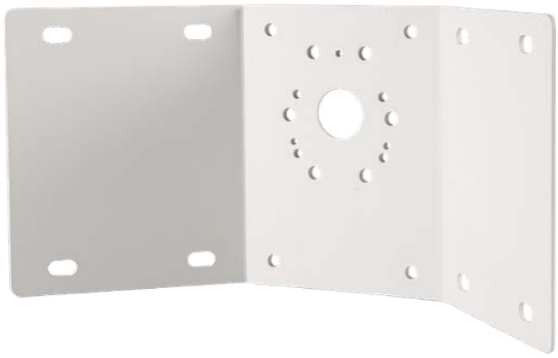
- GV-Mount310-1

The user needs to prepare:

- Screws for wall x 8

---

1. Assemble the mounting plates (GV-Mount310-1, No. 1), slide in the plain washer (GV-Mount310-1, No. 3), then the split washer (GV-Mount310-1, No. 4), and secure them with the screw cap (GV-Mount310-1, No. 5).



2. For GV-BL1501 / 2501 / 3401 / 1511 / 2511 / 3411 / 5311 / 2702 / 4702 / 4713 / 5713 and GV-BL2511-E / 5311-E, loosen the indicated screws to remove the base and the back plate.





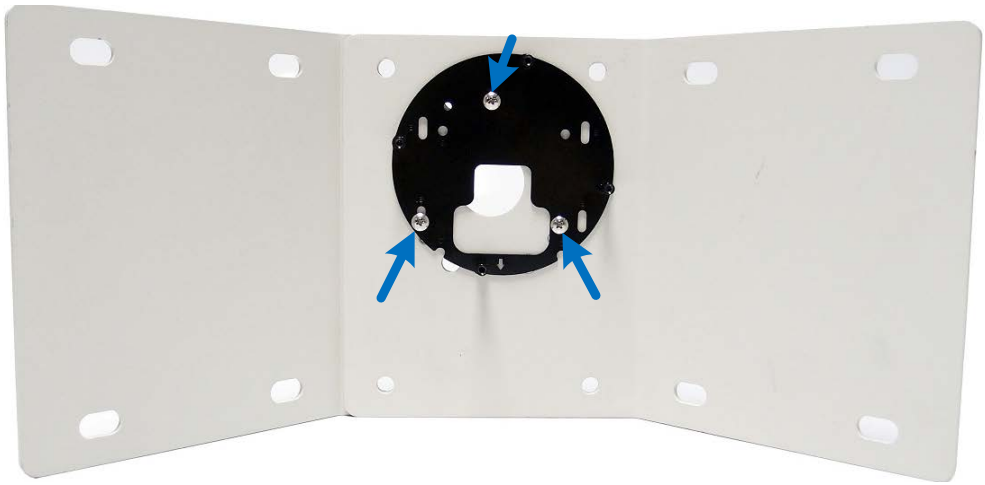


Back Plate

Note: To see how to thread the cables into the camera, refer to *Installation*, *Bullet Camera (II)* Chapter, ***GV-IPCam Hardware Manual – BL***.

---

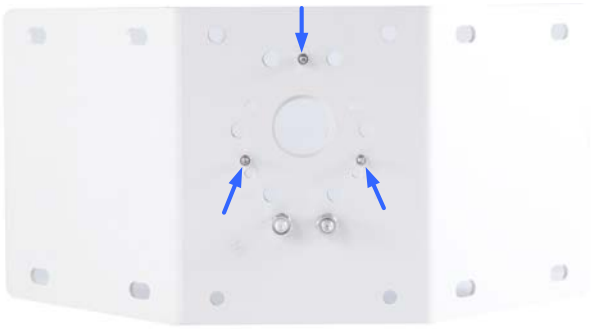
3. Assemble the camera or the back plate with the mounting plates.
   - **GV-BL1501 / 2501 / 3401 / 1511 / 2511 / 3411 / 5311 / 2702 / 4702 / 4713 / 5713** and **GV-BL2511-E / 5311-E:** From the front, align the back plate with the mounting plates and insert the M4 screws. From the back, secure the M4 screw using the nuts and plates. The M4 screws, nuts and plates come with the camera packing list.



- **Other GV-Bullet Camera models:** From the front, align the M5 split washer (GV-Mount310-1, No. 8) and insert the M5 screws (GV-Mount310-1, No. 6). From the backside, secure using M5 plain washer (GV-Mount310-1, No. 7) and M5 screw cap (GV-Mount310-1, No. 9).



Front View



Back View

- **GV-EBL2101 / 2111 / 2702 / 3101 / 4702 / 4711 / 5101** and **GV-BL3700 / 5700:** From the front, insert the screw for mounting kit (supplied with the camera). From the backside, secure using the nut for mounting (supplied with the camera).



Front View



Back View

4. For GV-BL1501 / 2501 / 3401 / 1511 / 2511 / 3411 / 5311 / 2702 / 4702 / 4713 / 5713 and GV-BL2511-E / 5311-E, re-attach the camera back to the back plate.

5. Secure the mounting plates to the wall with 8 self-prepared screws.
6. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the network, power and other cables to the camera. See *Connecting the Camera, Bullet Camera* Chapter, ***GV-IPCam Hardware Manual - BL***.
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   C. Adjust the angle, focus and zoom of the camera. See *Adjusting the Angles* and *Adjusting the Lens and Inserting a Memory Card* in *Bullet Camera* Chapter, ***GV-IPCam Hardware Manual - BL***.
   D. Install the sun-shield cover. See *Installing the Sun-Shield Cover*, *Bullet Camera* Chapter, ***GV-IPCam Hardware Manual - BL***.

7.3 Pole Mount



GV-Bullet Camera, GV-EBL2101 / 2111 / 2702 / 3101 / 4702 / 4711 / 5101 and **GV-LPC2210 / LPC2011**

Required accessories:

- GV-Mount400-1 / 410-1

1. For GV-BL1501 / 2501 / 3401 / 1511 / 2511 / 3411 / 5311 / 2702 / 4702 / 4713 / 5713 and GV-BL2511-E / 5311-E, loosen the indicated screws to remove the base and the back plate.





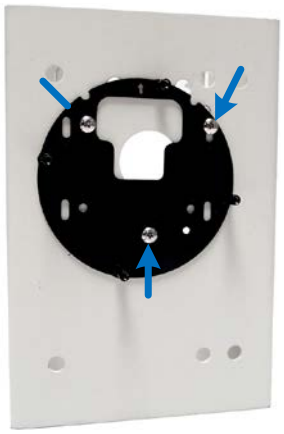


Back Plate

Note: To see how to thread the cables into the camera, refer to *Installation*, *Bullet Camera (II)* Chapter, ***GV-IPCam Hardware Manual – BL***.

2. Assemble the camera or the back plate with the mounting bracket.

- **GV-BL1501 / 2501 / 3401 / 1511 / 2511 / 3411 / 5311 / 2702 / 4702 / 4713 / 5713** and **GV-BL2511-E / 5311-E:** From the front, align the back plate with the mounting plates and insert the M4 screws. From the back, secure the M4 screw using the nuts and plates. The M4 screws, nuts and plates come with the camera packing list.



Front View



Back View

- **Other GV-Bullet Camera models:** From the front, align the M5 split washer (GV-Mount400-1 / 410-1, No.10) and insert M5 screws (GV-Mount400-1 / 410-1, No.8). From the backside, secure using M5 plain washer (GV-Mount400-1 / 410-1, No.9) and M5 screw cap (GV-Mount
400-1 / 410-1, No.11).



Front View



Back View

- **GV-EBL2101 / 2111 / 2702 / 3101 / 4702 / 4711 / 5101** and **GV-BL3700 / 5700:** From the front, insert the screw for mounting kit (supplied with the camera). From the backside, secure using the nut for mounting (supplied with the camera).



Front View



Back View

3. For GV-BL1501 / 2501 / 3401 / 1511 / 2511 / 3411 / 5311 / 2702 / 4702 / 4713 / 5713 and GV-BL2511-E / 5311-E, re-attach the camera back to the back plate.
4. Secure the mounting bracket to the pole using 3 steel straps (GV-Mount400-1 / 410-1, No. 2). Rotate the screw on the strap to adjust its size.





5. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the network, power and other cables to the camera. See *Connecting the Camera, Bullet Camera* Chapter, ***GV-IPCam Hardware Manual - BL***.
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   C. Adjust the angle, focus and zoom of the camera. See *Adjusting the Angles* and *Adjusting the Lens and Inserting a Memory Card* in *Bullet Camera* Chapter, ***GV-IPCam Hardware Manual - BL***.
   D. Install the sun-shield cover. See *Installing the Sun-Shield Cover*, *Bullet Camera* Chapter, ***GV-IPCam Hardware Manual - BL***.

Note for Installing the Box Camera

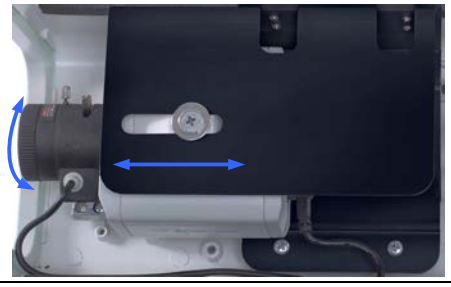
The GV-Housing101 / 102 / 103 support indoor or outdoor installation of GV-BX Series. The supported GV-BX models are as below:

GV-Housing101	GV-Housing102	GV-Housing103
GV-BX120D	GV-BX2600-FD	GV-BX2600-FD
GV-BX130D-0 / BX130D-1	GV-BX2700-3V	GV-BX2700-3V
GV-BX140DW	GV-BX2700-FD	GV-BX2700-FD
GV-BX220D-2 / BX220D-3	GV-BX4700 Series	GV-BX4700-3V
GV-BX320D-0 / BX320D-1	GV-BX4700-FD	GV-BX4700-FD
GV-BX520D	GV-BX5700-3V	GV-BX5700-3V
GV-BX1200 Series	GV-BX8700	GV-BX8700
GV-BX1300 Series	GV-BX8700-FD	GV-BX8700-FD
GV-BX1500 Series (except GV-BX1500-8F)		GV-BX12201
GV-BX2400 Series		
GV-BX2500 Series		
GV-BX2600		
GV-BX3400 Series (except GV-BX3400-8F)		
GV-BX5300 Series		

For the following GV-BX Series with GV-Housing101 / 102 / 103, the shorter the focal length of camera lens you adjust, the more possibly the camera captures the housing box cover.

GV-Housing101	GV-Housing102	GV-Housing103
GV-BX120D (2.8 ~ 12 mm)	GV-BX2700-3V (3 ~ 10.5 mm)	GV-BX12201 (4.1 ~ 9 mm)
GV-BX140DW (2.8 ~ 12 mm)	GV-BX4700-3V (3 ~ 10.5 mm)	GV-BX2700-3V (3 ~ 10.5 mm)
GV-BX220D-2 (2.8 ~ 6 mm)	GV-BX4700-8F (2.8 mm)	GV-BX4700-3V (3 ~ 10.5 mm)
GV-BX320D-0 / BX320D-1 (3.1 ~ 8 mm / 2.8 ~ 6 mm)	GV-BX5700-3V (3.6 ~ 10 mm)	GV-BX5700-3V (3.6 ~ 10 mm)
GV-BX1200-3V (2.8 ~ 12 mm)		
GV-BX1500-3V (2.8 ~ 12 mm)		

For proper live view, you can adjust the position of camera and the focal length of camera lens as illustrated below.

GV-Housing101	GV-Housing102 / 103
	

8. Installing the Box Camera

8.1 Assembling Box Camera with the Housing Box

8.1.1 GV-Housing101 / 102



Required accessories:

- GV-Housing101 / 102 (with heater and fan)

The user needs to prepare:

- Ethernet, power, audio and I/O cables, etc for the camera
- Silicon rubber to seal the camera
- Mini USB cable with the connector of dimensions 9.6 x 7.6 mm or below for the camera (Optional)
- Power wires for power board on the GV-Housing101 / 102 (24V AC / 12V DC input)

1. Unscrew the housing box (GV-Housing101 / 102, No. 1) with torx wrench (GV-Housing101 / 102, No. 8).



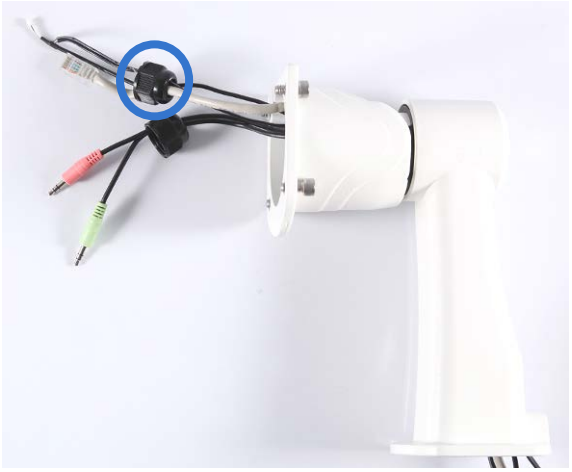
2. Only for GV-Housing101, open the housing box, loosen the four screws, and remove the black plate.



3. Remove the two black caps and the stoppers from the bottom of housing box.



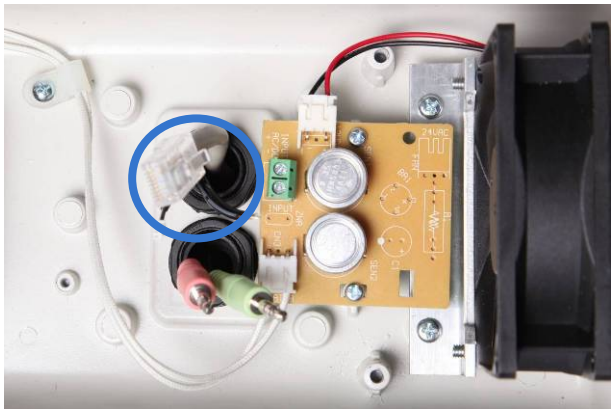
4. Thread all the required cables through the supporting tube (GV-Housing101 / 102, No. 2) and then the two black caps as below. To ensure later installation, allocate the cables to the two black caps properly.



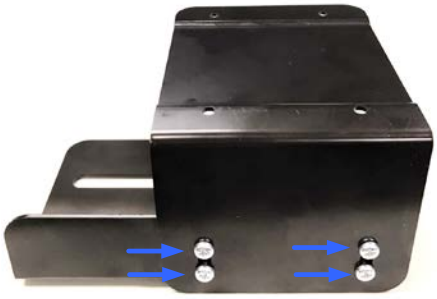
Note:

1. You need to use an Ethernet cable without RJ-45 connector to go through the housing box.
2. For the mini USB cable (if required), you need to use the type with connector of dimensions 9.6 x 7.6 mm or below to go through the housing box.

5. Thread the cables through the holes at the bottom of the housing box and install the RJ-45 connector on the Ethernet cable.



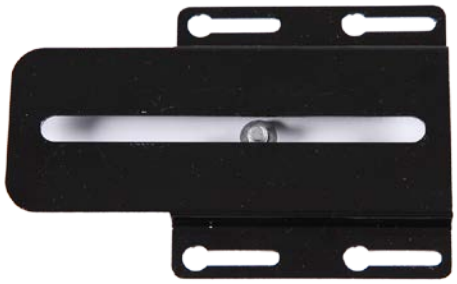
6. Only for GV-Housing102, assemble the two black plates (GV-Housing102, No. 13) with four M4 (8mm) screws (GV-Housing102, No. 11).



7. Assemble the short screw (GV-Housing101 / 102, No. 5) with M5 plain washer (GV-Housing101 / 102, No. 7) and secure the camera on the black plate.

7.1 GV-Housing101

Front View



Back View with Camera



7.2 GV-Housing102

Front View



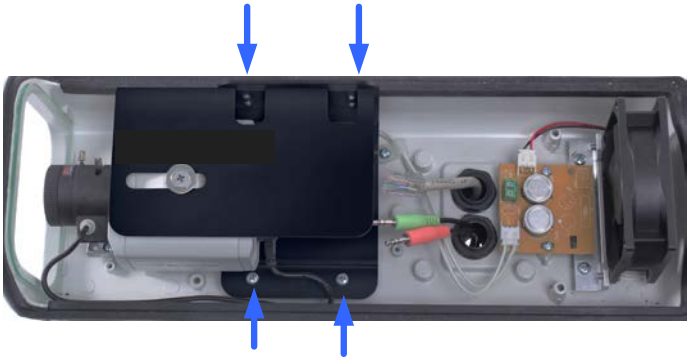
Front View with Camera



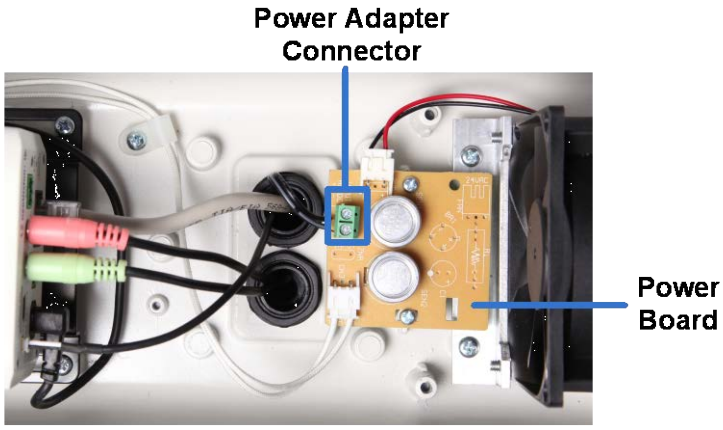
8. Install the black plate with the camera on the housing box.
   - For GV-Housing101, line up the black plate with the four screws, slide it forward to adjust the camera's position as desired, and secure the four screws on the housing box



   - For GV-Housing102, line up the black plate with four M4 (5mm) screws (GV-Housing 102, No. 12) and secure the four screws on the housing box.



9. Connect all the required cables to the camera and the power board.



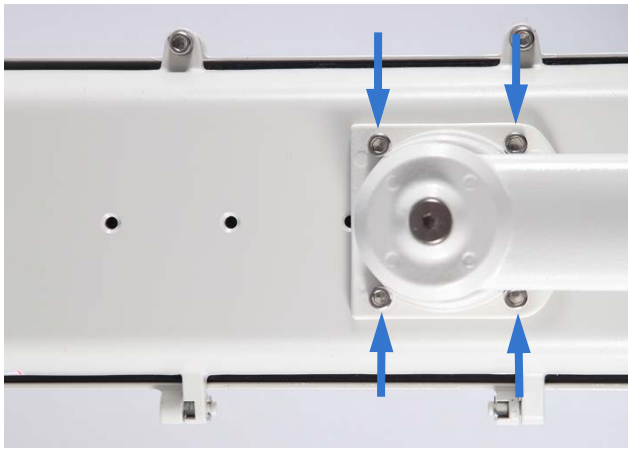
Note: Make sure the Power Adapter wires are connected to the correspondent electrodes labeled on the power board. Note this is only for the Power Adapter from GeoVision. If you are using different power adapter, the wires may have different colors.

- Black wire: negative electrode
- Black with white stripes wire: positive electrode

10. Tighten the black cap on the bottom of housing box. To waterproof the housing box, apply silicon rubber to fill the gap between the cables and the black caps.



11. Secure the supporting tube on the bottom of housing box.



12. Mark the installation site, drill four holes and secure the housing box to the wall using the supplied screw anchors (GV-Housing101 / 102, No. 3), M5 screws (GV-Housing101 / 102, No. 4) and four plain washers (GV-Housing101 / 102, No. 6).



13. Adjust the camera to ensure proper live view:
    A. Access the live view of the camera. For the models supporting varifocal lens, check if the housing box cover is on the scene when adjusting the camera. For details, see *Note for Installing the Box Camera* earlier in this chapter.
    B. Based on the live view, adjust the camera's position and the focal length of camera lens.
    C. Use the torx wrench to adjust the joint angle of the housing box if necessary.

14. After the silicon rubber is dry, apply the supplied sticker in the housing box cover to paste the silica gel bag (GV-Housing101 / 102, No. 9) as below.



15. Secure the housing box cover with torx wrench.

Note: Make sure you conceal the silica gel bag in the housing box within two minutes of exposing to the open air.

8.1.2 GV-Housing103



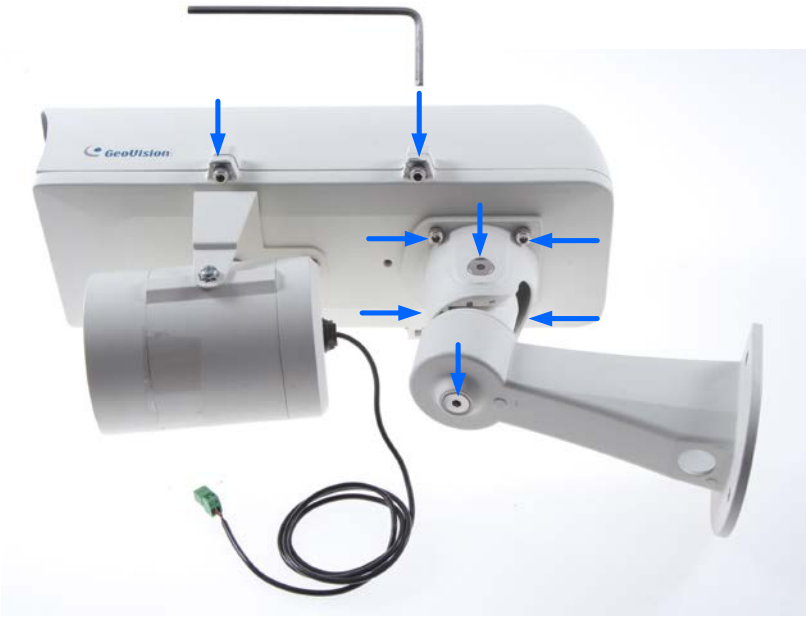
Required accessories:

- GV-Housing103 (with 6 IR LEDs)

The user needs to prepare:

- Ethernet, audio and I/O cables, etc for the camera

1. Unscrew the housing box (GV-Housing103) with the hex key (GV-Housing103, No. 6).



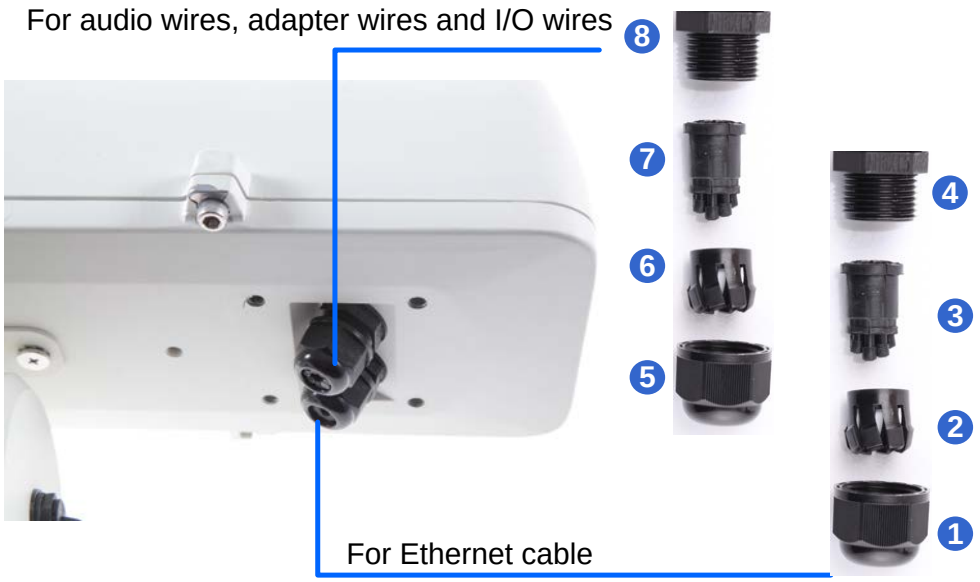
2. Open the housing box, assemble the 1/4'' screw (GV-Housing103, No. 3) with tooth lock washer (GV-Housing103, No. 5), and secure the camera on the black plate.



3. Thread the adapter wire (GV-Housing103, No. 8) through the supporting rack.



4. Disintegrate the conduit connectors. Each connector should have 4 parts. Part 4 and 8 were built in the GV-Hosing103 box.



5. Thread all the required cables through the conduit connectors.



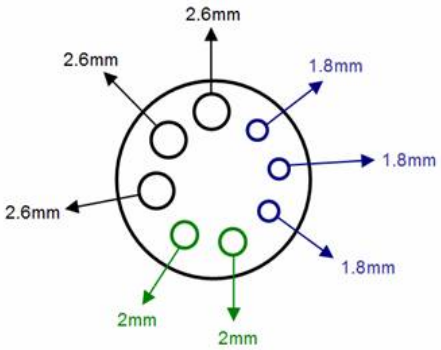
A. Thread the Ethernet cable through part 1, 2, 3 and 4 of the conduit connector at the bottom of the housing box and install the RJ-45 connector on the Ethernet cable.

Note: You need to use an Ethernet cable without RJ-45 connector to go through the housing box.

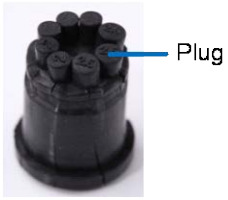


B. Thread the audio wires (optional), adapter wires and I/O wires (optional) through part 5, 6, 7 and 8 of the conduit connector.

- For part 7, there are 8 holes each labeled with its diameter. Remove the plugs and push the wires to the corresponding hole listed below:
- There are 7 wires and 8 holes, keep the last plug in the connector to ensure waterproofing quality.



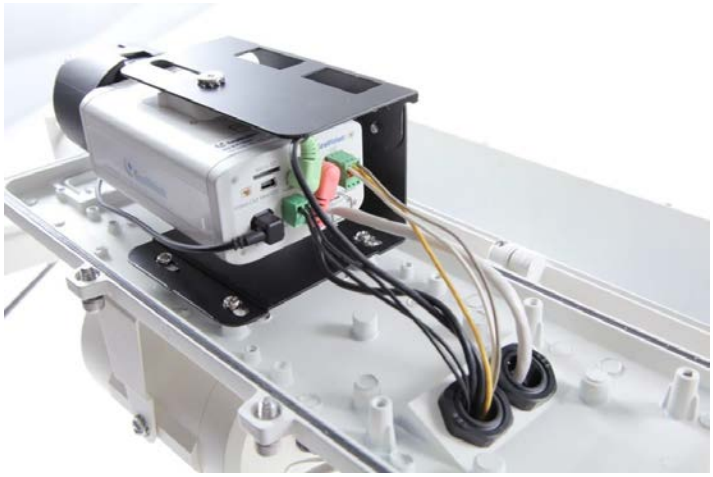
2.6 mm: Audio, BNC
2 mm: DC12V / AC24V
1.8 mm: DIDO



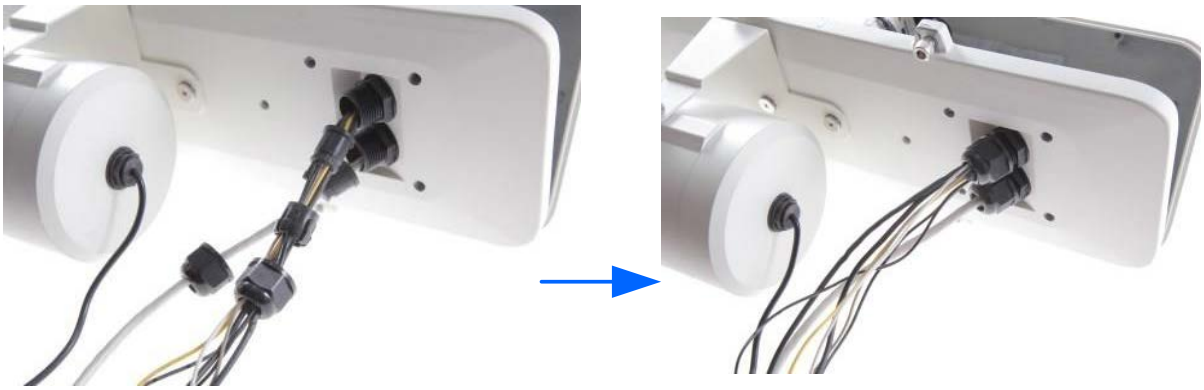
Tip:

1. To make the threading easier, it is advised to thread the wires in the order described above.
2. Use a pair of pliers to help you pull the wires through GV-Hosing103.

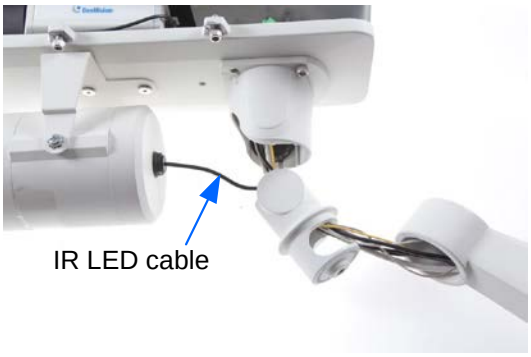
6. Connect all the required cables to the camera.



7. Integrate the conduit connectors and tighten them on the bottom of the housing box.



8. Thread the IR LED cable separately and all the others through the supporting rack.



9. Secure the supporting rack with the hex key.
10. Mark the installation site, drill three holes and secure the housing box to the wall using the supplied screw anchors (GV-Housing103, No. 2), screws (GV-Housing103, No. 1) and three plain washers (GV-Housing103, No. 4).



11. Adjust the camera to ensure proper live view:

A. Access the live view of the camera. For the models supporting varifocal lens, check if the housing box cover is on the scene when adjusting the camera. For details, see *Note for Installing the Box Camera* earlier in this chapter.

B. Based on the live view, adjust the camera's position and the focal length of camera lens.

C. Use the hex key to adjust the joint angle of the housing box if necessary.



12. Paste the silica gel bag (GV-Housing103, No. 7) as below.



13. Secure the housing box cover with hex key.

Note: Make sure you conceal the silica gel bag in the housing box within two minutes of exposing to the open air.

8.2 Convex Corner Mount



Required accessories:

- GV-Mount300-1

The user needs to prepare:

- Screws for wall x 8

1. Assemble the mounting plates (GV-Mount300-1, No. 1), slide in the plain washer (GV-Mount300-1, No. 4), then the split washer (GV-Mount300-1, No. 5), and secure with the screw cap (GV-Mount300-1, No. 6).



Assemble the housing box with the mounting plates:

A. Thread the camera cables through the mounting plates.

B. Slide three 25 mm M8 screws (GV-Mount300-1, No. 3) from front and secure from the backside using plain washer (GV-Mount300-1 No. 4), split washer (GV-Mount300-1, No. 5) and screw cap (GV-Mount300-1, No. 6).





2. Secure the plates to the wall with 8 self-prepared screws.

8.3 Concave Corner Mount



Required accessories:

- GV-Mount310-1

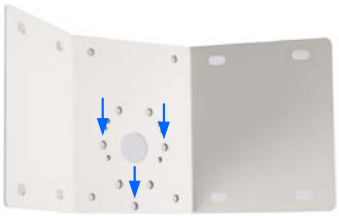
The user needs to prepare:

- Screws for wall x 8

1. Assemble the mounting plates (GV-Mount310-1, No. 1), slide in the plain washer (GV-Mount310-1, No. 4), then the split washer (GV-Mount310-1, No. 5), and secure them with the screw cap (GV-Mount310-1, No. 6).



2. Assemble the camera with the mounting plates.
   A. Thread the camera cable through the mounting plates.
   B. Slide three 25 mm M8 screws for (GV-Mount310-1, No. 3) from front and secure from the backside using plain washer (GV-Mount310-1, No. 4), split washer (GV-Mount310-1, No. 5) and screw cap (GV-Mount310-1, No. 6).





3. Secure the plates to the wall with 8 self-prepared screws.

8.4 Pole Mount



Required accessories:

- GV-Mount400-1 / 410-1

1. Assemble the camera with the mounting bracket (GV-Mount400-1 / 410-1, No.1).
   A. Thread the camera cables through the mounting bracket.
   B. Slide three 25 mm M8 screws (GV-Mount400-1 / 410-1, No. 4) from the front and secure from the backside using plain washer (GV-Mount400-1 / 410-1, No. 5), split washer, (GV-Mount400-1 / 410-1, No. 6) and M8 screw cap (GV-Mount 400-1 / 410-1, No. 7).



2. Secure the mounting bracket to the pole using 3 steel straps (GV-Mount400-1 / 410-1, No. 2). Rotate the screw on the strap to adjust its size.





9. Installing the Arctic Box / IP LPR Camera

9.1 Convex Corner Mount



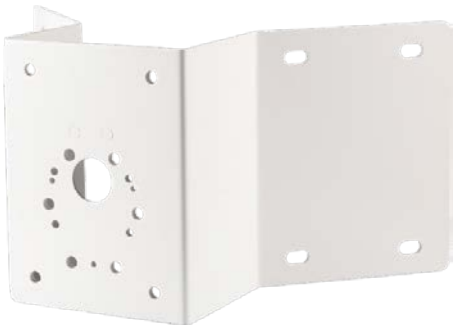
Required accessories:

- GV-Mount300-1

The user needs to prepare:

- Screws for wall x 8

1. Assemble the mounting plates (GV-Mount300-1, No. 1), slide in the plain washer (GV-Mount300-1, No. 4), then the split washer (GV-Mount300-1, No. 5), and secure with the screw cap (GV-Mount300-1, No. 6).



2. Assemble the camera with the mounting plates.
   A. Thread the camera cable through the mounting plates.
   B. Slide the 30 mm M8 screws (GV-Mount300-1, No. 2) from front and secure from the backside using plain washer (GV-Mount300-1, No. 4), split washer (GV-Mount300-1, No. 5) and screw cap (GV-Mount300-1, No. 6).





Backside View

3. Secure the plates to the wall with 8 self-prepared screws.
4. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the camera to PoE. See *Connecting the Camera*, *IR Arctic Box Camera* Chapter, ***GV-IPCam Hardware Manual - BXE***.
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   C. Adjust the angle, focus and zoom of the camera. See steps 6 and 7 in *Installation*, *IR Arctic Box Camera* Chapter, ***GV-IPCam Hardware Manual - BXE***.
   D. Replace the silica gel bag and secure the housing cover. See steps 8 and 9 in *Installation*, *IR Arctic Box Camera* Chapter, ***GV-IPCam Hardware Manual - BXE***.

9.2 Concave Corner Mount



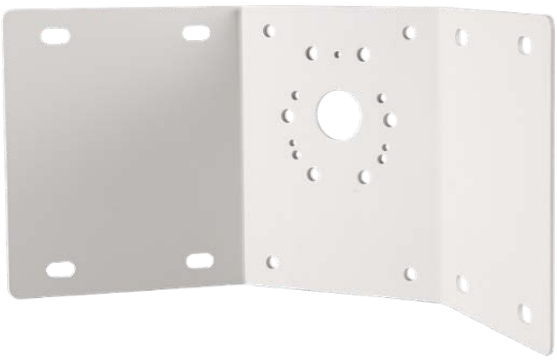
Required accessories:

- GV-Mount310-1

The user needs to prepare:

- Screws for wall x 8

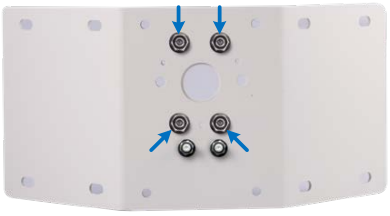
1. Assemble the mounting plates (GV-Mount310-1, No. 1), slide in the plain washer (GV-Mount310-1, No. 3), then the split washer (GV-Mount310-1, No. 4), and secure them with the screw cap (GV-Mount310-1, No. 5).



2. Assemble the camera with the mounting plates.
   A. Thread the camera cable through the mounting plates.
   B. Slide the 30 mm M8 screws (GV-Mount310-1, No. 2) from front and secure from the backside using plain washer (GV-Mount310-1, No. 3), split washer (GV-Mount310-1, No. 4) and screw cap (GV-Mount300-1, No. 5).



Front View



Back View

3. Secure the plates to the wall with 8 self-prepared screws.
4. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the camera to PoE. See *Connecting the Camera*, *IR Arctic Box Camera* Chapter, ***GV-IPCam Hardware Manual - BXE***.
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   C. Adjust the angle, focus and zoom of the camera. See steps 6 and 7 in *Installation*, *IR Arctic Box Camera* Chapter, ***GV-IPCam Hardware Manual - BXE***.
   D. Replace the silica gel bag and secure the housing cover. See steps 8 and 9 in *Installation*, *IR Arctic Box Camera* Chapter, ***GV-IPCam Hardware Manual - BXE***.

9.3 Pole Mount



Required accessories:

- GV-Mount400-1 / 410-1

1. Assemble the camera with the mounting bracket (GV-Mount400-1 / 410-1, No.1).
   A. Thread the camera cable through the mounting bracket.
   B. Slide the 30 mm M8 screws (GV-Mount400-1 / 410-1, No. 3) from the front and secure from the backside using plain washer (GV-Mount400-1 / 410-1, No. 5), split washer, (GV-Mount400-1 / 410-1, No. 6) and M8 screw cap (GV-Mount400-1 / 410-1, No. 7).





Backside View

2. Secure the mounting bracket to the pole using 3 steel straps (GV-Mount400-1 / 410-1, No. 2). Rotate the screw on the strap to adjust its size.





3. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the camera to PoE. See *Connecting the Camera*, *IR Arctic Box Camera* Chapter, ***GV-IPCam Hardware Manual - BXE***.
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   C. Adjust the angle, focus and zoom of the camera. See steps 6 and 7 in *Installation*, *IR Arctic Box Camera* Chapter, ***GV-IPCam Hardware Manual - BXE***.
   D. Replace the silica gel bag and secure the housing cover. See steps 8 and 9 in *Installation*, *IR Arctic Box Camera* Chapter, ***GV-IPCam Hardware Manual - BXE***.

10. Installing the Mini Fixed Dome

10.1 Wall Box Mount



Required accessories:

- GV-Mount909

IMPORTANT: GV-MFD2700 Series / 4700 Series does not support this installation method.

1. Take the wall mount bracket (GV-Mount909, No. 1) and make 4 marks on the wall for screw anchors.

wall



2. Drill the marks and insert 4 screw anchors (GV-Mount909, No. 2).

3. Secure the wall mount bracket to the wall with wall mount screws (GV-Mount909, No. 3).
4. Unscrew the camera's cover using the supplied torx wrench.
5. Align and secure the camera to the wall mount bracket with two M3 screws (GV-Mount909, No. 4).
6. Align and secure the camera to the wall mount bracket with two M3 screws (GV-Mount909, No. 4).



7. Refer to the indicated sections of the manuals on the software DVD:
   A. Thread the network, power and other cables through the wall mount bracket and connect them to the camera. See *Connecting the Camera*, *Mini Fixed Dome & Mini Fixed Rugged Dome* Chapter, ***GV-IPCam Hardware Manual - MFD***.
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   C. Based on the live view, adjust the pan and tilt angles and secure the housing cover with the torx wrench. See steps 7 to 11 in *Installation*, *GV-MFD Series*, *Mini Fixed Dome & Mini Fixed Rugged Dome* Chapter, ***GV-IPCam Hardware Manual - MFD***.

10.2 Wall Mount Bracket



Required accessories:

- GV-Mount918

IMPORTANT: GV-Mount918 is not compatible with GV-MFD120 / 130 / 220 / 320 / 520.

1. Take the wall mount bracket (GV-Mount918, No. 1) and make 2 marks on the wall for screw anchors.



2. Drill the marks and insert 2 screw anchors (GV-Mount918, No. 2).
3. Secure the wall mount bracket to the wall with 2 wall mount screws (GV-Mount918, No. 3) and 2 plain washers (GV-Mount918, No. 5).

Note: Thread the network, power and other cables through the wall mount bracket before securing the wall mount bracket to the wall.

4. Unscrew the camera's cover using the supplied torx wrench.
5. Align and secure the camera to the wall mount bracket with 2 M3 screws (GV-Mount918, No. 4).



6. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the network, power and other cables to the camera. See *Connecting the Camera*, *Mini Fixed Dome & Mini Fixed Rugged Dome* Chapter, ***GV-IPCam Hardware Manual - MFD***.
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   C. Based on the live view, adjust the pan and tilt angles and secure the housing cover with the torx wrench. See steps 7 to 11 in *Installation*, *GV-MFD Series*, *Mini Fixed Dome & Mini Fixed Rugged Dome* Chapter, ***GV-IPCam Hardware Manual - MFD***.

10.3 Power Box Mount





Required accessories:

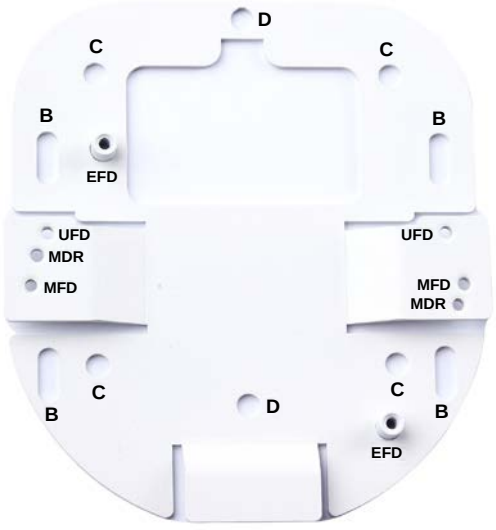
- GV-Mount910 or GV-Mount913

The user needs to prepare

- Screws for securing the mounting plate to power box

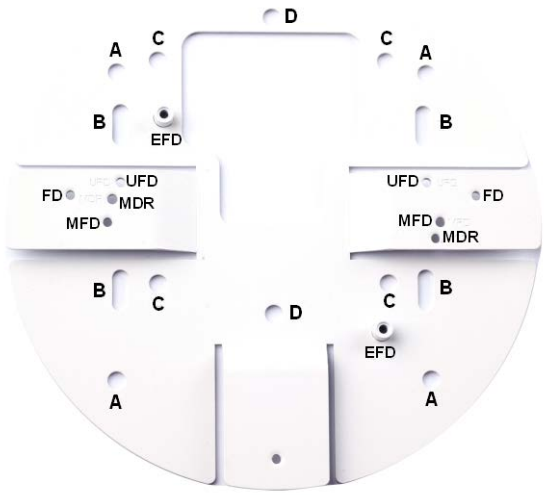
1. Secure the mounting plate (GV-Mount910 or GV-Mount913, No. 1) to the power box with your own screws. Depending on the type of power box, use the holes indicated with the corresponding letter:

GV-Mount910



Type of Power Box	Hole
Double Gang	B
4'' Octagon	C
Single Gang	D

GV-Mount913



Type of Power Box	Hole
4’’ Square	A
Double Gang	B
4’’ Octagon	C
Single Gang	D

2. Remove camera cover with the supplied torx wrench.
3. Secure the camera to the mounting plate with M3 screws (GV-Mount910 or GV-Mount913, No. 2). Use the holes indicated with MFD.



4. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the network, power and other cables to the camera. See *Connecting the Camera*, *Mini Fixed Dome & Mini Fixed Rugged Dome* Chapter, ***GV-IPCam Hardware Manual - MFD***.
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   C. Based on the live view, adjust the pan and tilt angles and secure the housing cover with the torx wrench. See steps 7 to 11 in *Installation*, *GV-MFD Series*, *Mini Fixed Dome & Mini Fixed Rugged Dome* Chapter, ***GV-IPCam Hardware Manual - MFD***.

11. Installing the Mini Fixed Rugged Dome

11.1 Wall Box Mount



Required accessories:

- GV-Mount909

IMPORTANT: The GV-Mount909 is not IP66 protected. Make sure you install the camera in a dry place.

1. Take the wall mount bracket (GV-Mount909, No. 1) and make 4 marks on the wall for screw anchors.

wall



2. Drill the marks and insert 4 screw anchors (GV-Mount909, No. 2).
3. Secure the wall mount bracket to the wall with wall mount screws (GV-Mount909, No. 3).
4. Unscrew the camera's cover using the supplied torx wrench.
5. Thread the cable through the wall mount bracket and secure the camera to the wall mount bracket with two M3 screws (GV-Mount909, No. 4). Use the labels on the wall mount bracket to help you.



6. Refer to the indicated sections of the manuals on the software DVD:
   A. Waterproof the cable with the supplied cable connector. See step 6 in *Installation, GV-MDR Series*, *Mini Fixed Dome & Mini Fixed Rugged Dome* Chapter, ***GV-IPCam Hardware Manual - MDR***.

B. Connect the network and power to the camera. See *Connecting the Camera*, *Mini Fixed Dome & Mini Fixed Rugged Dome* Chapter, ***GV-IPCam Hardware Manual - MDR***.

C. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.

D. Based on the live view, adjust the angle of the camera. See step 8 in *Installation*, *GV-MDR Series*, *Mini Fixed Dome & Mini Fixed Rugged Dome* Chapter, ***GV-IPCam Hardware Manual - MDR***.

E. Replace the silica gel bag and secure the camera's cover with the supplied torx wrench. See steps 11 to 13 in *Installation*, *GV-MDR Series*, *Mini Fixed Dome & Mini Fixed Rugged Dome* Chapter, ***GV-IPCam Hardware Manual - MDR***.

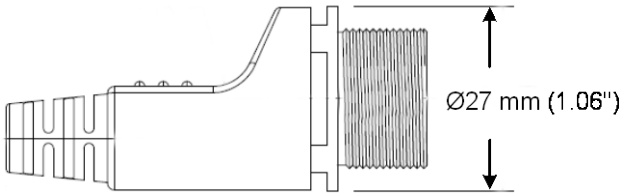
11.2 Wall Mount Bracket



Required accessories:

- GV-Mount918

IMPORTANT: When the Mini Fixed Rugged Dome camera is installed with GV-Mount918, it is not compatible with the Waterproof Connector.



1. Take the wall mount bracket (GV-Mount918, No. 1) and make 2 marks on the wall for screw anchors.



2. Drill the marks and insert 2 screw anchors (GV-Mount918, No. 2).
3. Secure the wall mount bracket to the wall with 2 wall mount screws (GV-Mount918, No. 3) and 2 plain washers (GV-Mount918, No. 5).

Note: Thread the network, power and other cables through the wall mount bracket before securing the wall mount bracket to the wall.

---

4. Unscrew the camera's cover using the supplied torx wrench.
5. Connect the network, power and other cables to the camera. Align and secure the camera to the wall mount bracket with 2 M3 screws (GV-Mount918, No. 4).



6. Refer to the indicated sections of the manuals on the software DVD:
   A. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   B. Based on the live view, adjust the pan and tilt angles and secure the housing cover with the torx wrench. See step 8 in *Installation*, *GV-MDR Series*, *Mini Fixed Dome & Mini Fixed Rugged Dome* Chapter, ***GV-IPCam Hardware Manual - MDR***.
   C. Replace the silica gel bag and secure the housing cover using the torx wrench. See steps 11 to 13 in *Installation*, *GV-MDR Series*, *Mini Fixed Dome & Mini Fixed Rugged Dome* Chapter, ***GV-IPCam Hardware Manual - MDR***.

11.3 Power Box Mount





Required accessories:

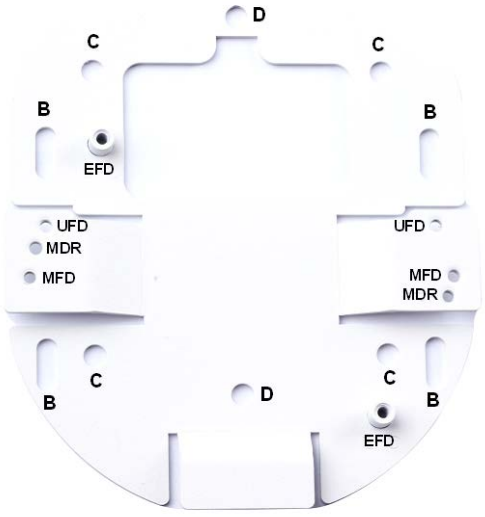
- GV-Mount910 or GV-Mount913

The user needs to prepare

- Screws for securing the mounting plate to power box

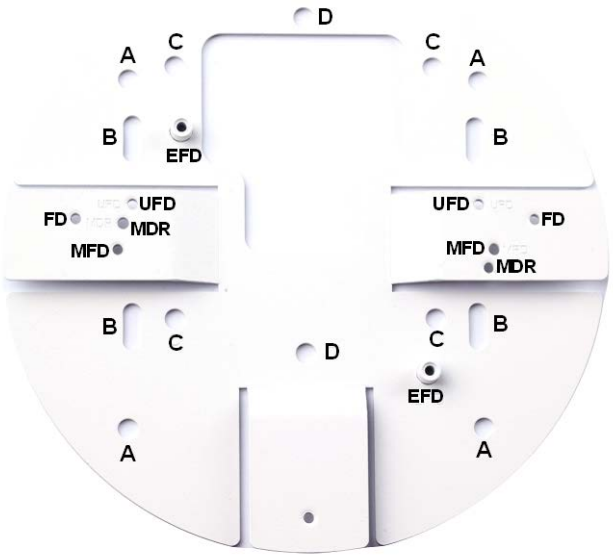
1. Secure the mounting plate (GV-Mount910 or GV-Mount913, No. 1) to the power box with your own screws. Depending on the type of power box, use the holes indicated with the corresponding letter:

GV-Mount910



Type of Power Box	Hole
Double Gang	B
4'' Octagon	C
Single Gang	D

GV-Mount913



Type of Power Box	Hole
4'' Square	A
Double Gang	B
4'' Octagon	C
Single Gang	D

2. Open the camera cover with the supplied torx wrench.
3. Thread the camera cable through the mounting plate and the power box, and secure the camera to the mounting plate with M3 screws (GV-Mount910 or GV-Mount913, No. 2). Use the holes indicated with "MDR".



4. Refer to the indicated sections of the manuals on the software DVD:
   A. Waterproof the cable with the supplied cable connector. See step 6 in *Installation*, *GV-MDR Series*, *Mini Fixed Dome & Mini Fixed Rugged Dome* Chapter, ***GV-IPCam Hardware Manual - MDR***.

B. Connect the network and power to the camera. See *Connecting the Camera*, *Mini Fixed Dome & Mini Fixed Rugged Dome* Chapter, ***GV-IPCam Hardware Manual - MDR***.

C. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.

D. Based on the live view, adjust the angle of the camera. See step 8 in *Installation*, *GV-MDR Series*, *Mini Fixed Dome & Mini Fixed Rugged Dome* Chapter, ***GV-IPCam Hardware Manual - MDR***.

E. Replace the silica gel bag and secure the camera's cover with the supplied torx wrench. See steps 11 to 13 in *Installation*, *GV-MDR Series*, *Mini Fixed Dome & Mini Fixed Rugged Dome* Chapter, ***GV-IPCam Hardware Manual - MDR***.

12. Installing the Target (Mini) Fixed Dome

12.1 Wall Box Mount



GV-EFD1100 / EFD2100



GV-EFD2101 / EFD3101 / EFD5101

Required accessories:

- GV-Mount909

1. Take the wall mount bracket (GV-Mount909, No. 1) and make 4 marks on the wall for screw anchors.



2. Drill the marks and insert 4 screw anchors (GV-Mount909, No. 2).
3. Secure the wall mount bracket to the wall with wall mount screws (GV-Mount909, No. 3).

4. Open the camera housing cover.
    a. For GV-EFD1100 / EFD2100, open the camera housing cover by turning.
    b. For GV-EFD2101 / EFD3101 / EFD5101, use the torx wrench to loosen three screws on housing cover and remove the camera housing.



5. Align and secure the camera to the wall mount bracket with two M3 screws (GV-Mount909, No. 4).
    c. GV-EFD1100 / EFD2100: Use the holes labeled as **EFD**.



    d. GV-EFD2101 / EFD3101 / EFD5101: Use the holes labeled as **FD**.



6. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the camera to power and network. See *Connecting the Camera*, *Target (Mini) Fixed Dome* Chapter, **G*V-IPCam Hardware Manual - EFD*.**
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, **G*V-IPCam Firmware Manual***.
   C. Based on the live view, adjust the pan and tilt angles and secure the housing cover. See *Installation*, *Target (Mini) Fixed Dome* Chapter, **G*V-IPCam Hardware Manual - EFD***.

12.2 Wall Mount Bracket



This installation method is only applicable to **GV-EFD1100** and **GV-EFD2100**.

Required accessories:

- GV-Mount918

1. Take the wall mount bracket (GV-Mount918, No. 1) and make 2 marks on the wall for screw anchors.



2. Drill the marks and insert 2 screw anchors (GV-Mount918, No. 2).
3. Secure the wall mount bracket to the wall with 2 wall mount screws (GV-Mount918, No. 3) and 2 plain washers (GV-Mount918, No. 5).

Note: Thread the network, power and other cables through the wall mount bracket before securing the wall mount bracket to the wall.

4. Open the camera's cover by turning.
5. Align and secure the camera to the wall mount bracket with 2 M3 screws (GV-Mount918, No. 4).

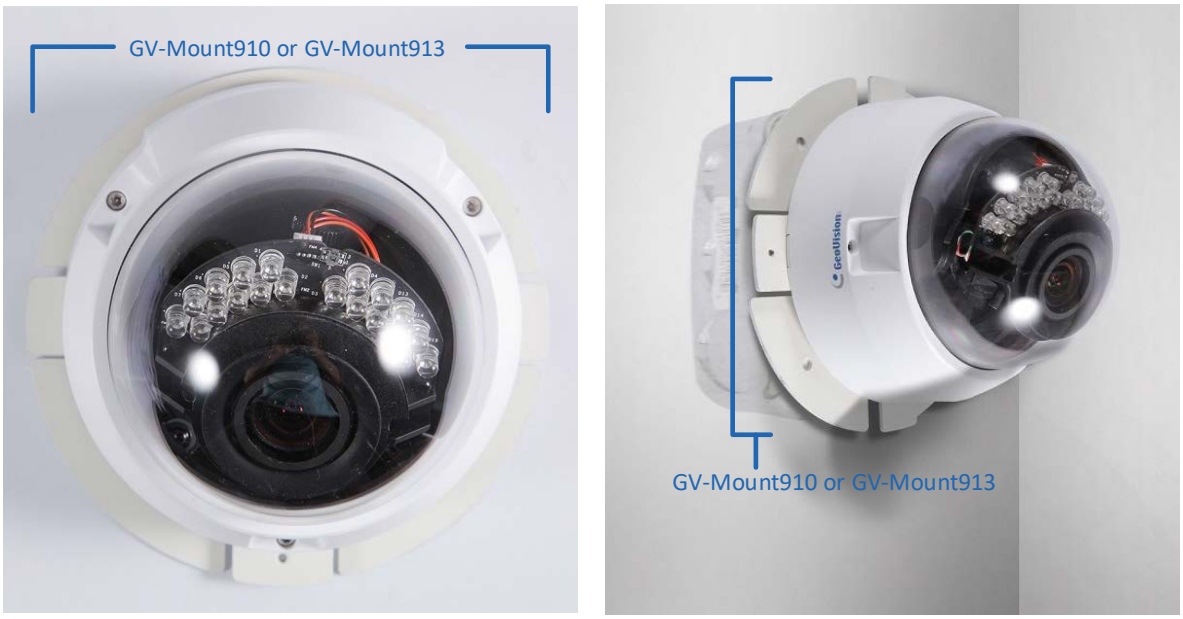


6. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the network, power and other cables to the camera. See *Connecting the Camera*, *Target Mini Fixed Dome* Chapter, ***GV-IPCam Hardware Manual - EFD***.
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   C. Based on the live view, adjust the pan and tilt angles and secure the housing cover with the torx wrench. See steps 8 -10 in *Installation, Target Mini Fixed Dome* Chapter, ***GV-IPCam Hardware Manual - EFD***.

12.3 Power Box Mount



GV-EFD1100 / EFD2100



GV-EFD2101 / EFD3101 / EFD5101

Required accessories:

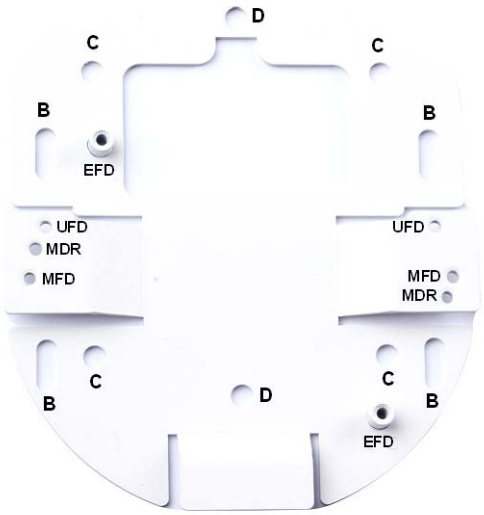
- GV-Mount910 or GV-Mount913

The user needs to prepare

- Screws for securing the mounting plate to power box

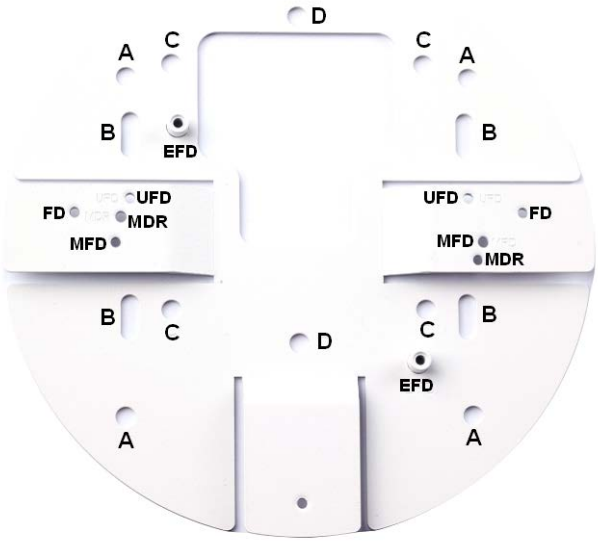
1. Secure the mounting plate (GV-Mount910 or GV-Mount913, No. 1) to the power box with your own screws. Depending on the type of power box, use the holes indicated with the corresponding letter:

GV-Mount910



Type of Power Box	Hole
Double Gang	B
4'' Octagon	C
Single Gang	D

GV-Mount913



Type of Power Box	Hole
4'' Square	A
Double Gang	B
4'' Octagon	C
Single Gang	D

2. Open the camera housing cover.

    e. For GV-EFD1100 / EFD2100, open the camera housing cover by turning.

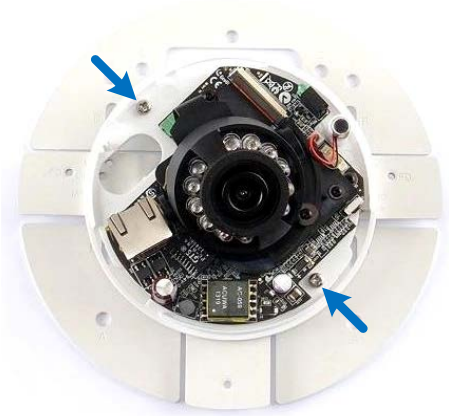
    f. For GV-EFD2101 / EFD3101 / EFD5101, use the torx wrench to loosen three screws on housing cover and remove the camera housing. If you are installing **GV-Mount910**, unscrew the three screws to separate the back plate as indicated below.



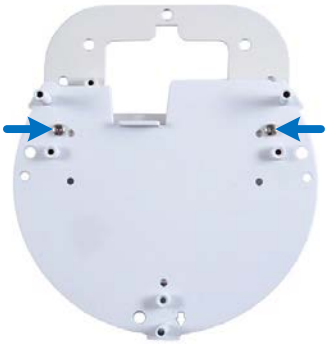


3. Secure the camera / back plate to the mounting plate with M3 screws (GV-Mount910 or GV-Mount913, No. 2).

    g. GV-EFD1100 / EFD2100: Use the holes labeled as **EFD**.



    h. GV-EFD2101 / EFD3101 / EFD5101: Use the holes labeled as **UFD** for GV-Mount910 and **FD** for GV-Mount913. For GV-Mount910, reattach the camera back to the back plate.



GV-Mount910



GV-Mount913

4. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the camera to power and network. See *Connecting the Camera*, *Target (Mini) Fixed Dome* Chapter, **G*V-IPCam Hardware Manual - EFD*.**
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, **G*V-IPCam Firmware Manual***.
   C. Based on the live view, adjust the pan and tilt angles and secure the housing cover. See *Installation*, *Target (Mini) Fixed Dome* Chapter, **G*V-IPCam Hardware Manual - EFD***.

12.4 GV-EFD2101 / EFD3101 / EFD5101 In-Ceiling Mount



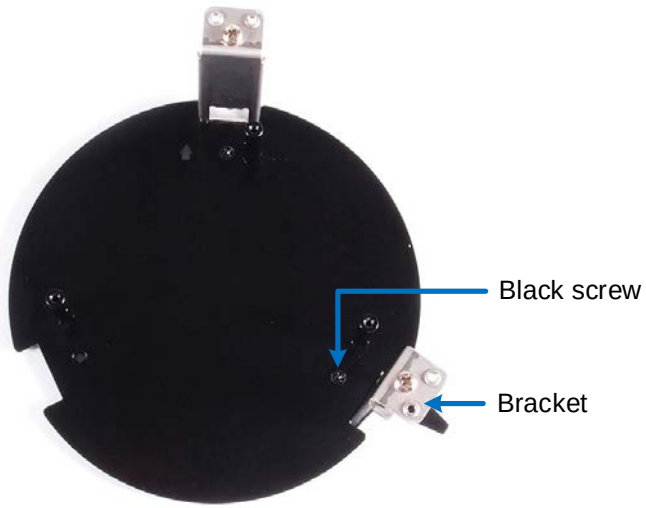
This installation method is only applicable to **GV-EFD2101**, **GV-EFD3101** and **GV-EFD5101**.
The thickness of the ceiling board must not exceed 4 cm (1.57 in).

Required accessories:

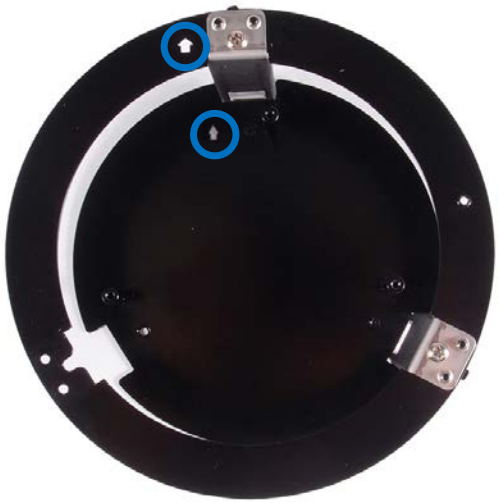
- GV-Mount915

1. Assemble the support racks, mounting plate and the mounting ring.

   A. Secure two brackets (GV-Mount915, No. 1) to the in-ceiling plate (GV-Mount915, No.2) with a black screw (GV-Mount915, No. 5).



B. Assemble the in-ceiling ring (GV-Mount915, No. 4). Make sure the arrows on the mounting ring and mounting plate are aligned.



C. Assemble the third bracket and secure it with a black screw (GV-Mount915, No. 5).

D. Secure the brackets on the underside of the in-ceiling ring with black screws (GV-Mount915, No. 5).



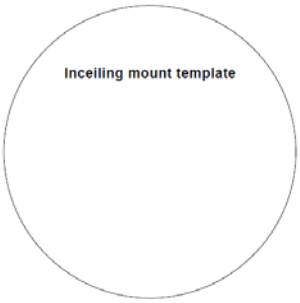
E. Use the thread lock (GV-Mount915, No. 9) to attach the in-ceiling cover with the in-ceiling ring using the screw (GV-Mount915, No. 7).



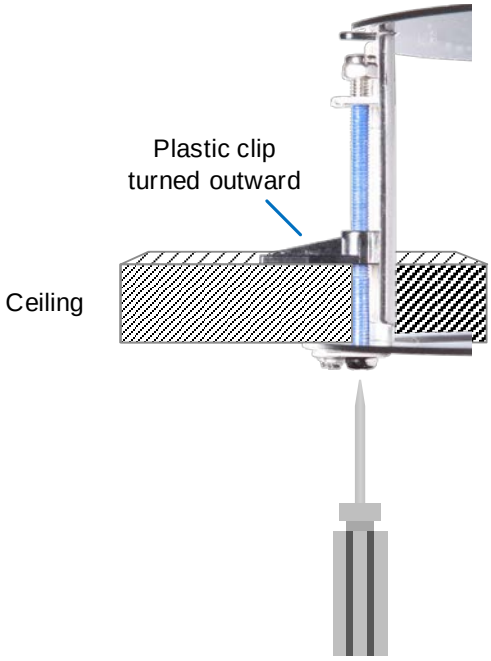
2. Use the torx wrench to loosen three screws on housing cover of the camera, and remove the camera housing.



3. Paste the sticker (GV-Mount915, No. 8) to the ceiling, and then cut off the circle part of the ceiling.



4. Place the mounting casing inside the ceiling hole, and secure the casing with the ceiling.
   A. Turn the plastic clip of the bracket outward.
   B. Tighten the bracket so that the plastic clips are tightly pinching the ceiling board.

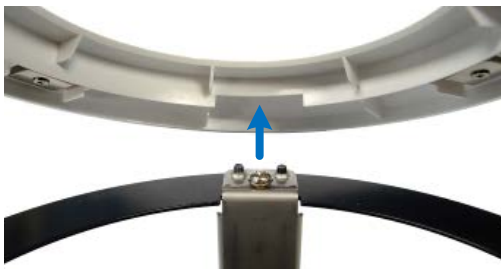


5. Thread the cables through the in-ceiling mount and into the camera.

6. Place the camera onto the in-ceiling plate, and secure with screws (GV-Mount915, No. 6). Be sure to align the arrow on the camera back plate with the arrow on the in-ceiling ring.



7. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the camera to power and network. See *Connecting the Camera*, *Target (Mini) Fixed Dome* Chapter, ***GV-IPCam Hardware Manual - EFD*.**
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   C. Based on the live view, adjust the pan and tilt angles and secure the housing cover. See *Installation*, *Target (Mini) Fixed Dome* Chapter, ***GV-IPCam Hardware Manual - EFD***.
8. Place the in-ceiling cover onto the in-ceiling ring. The brackets should align with the three indentations of the in-ceiling cover.



12.5 Assembling GV-EFD2101 / EFD3101 / EFD5101 with Dome Housing



This installation method is only applicable to **GV-EFD2101**, **GV-EFD3101** and **GV-EFD5101**.

Required accessories:

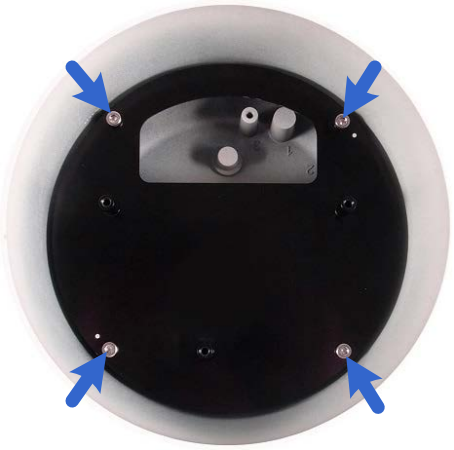
- GV-Mount917

1. Use the torx wrench to loosen three screws on housing cover and remove the camera housing.



2. Secure the housing plate to the dome housing with M4 small screws (GV-Mount917, No. 3).





3. Secure the camera body to the housing plate (GV-Mount917, No. 3) with three M4 small screws (GV-Mount917, No. 4).



12.6 Wall Pendant Mount



This installation method is only applicable to **GV-EFD2101**, **GV-EFD3101** and **GV-EFD5101**.

Required accessories:

- GV-Mount200
- GV-Mount917

The user needs to prepare:

- Screws for wall x 4

1. Assemble the camera with the dome housing. See *12.6 Assembling the GV-EFD2101 / EFD3101 / EFD5101 with the Dome Housing*.

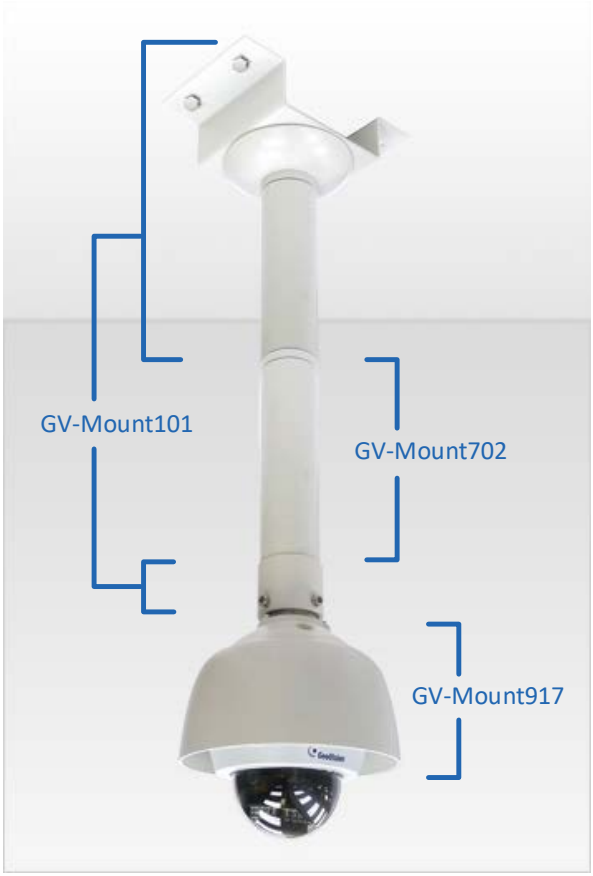
2. Thread the camera cables from the wall through the pendant tube (GV-Mount200, No. 1), and secure the pendant tube to the end of the housing cap (GV-Mount917, No. 2) with M6 screws (GV-Mount917, No. 4).



3. Secure the wall pendant tube to the wall with 4 self-prepared screws.
4. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the camera to power and network. See *Connecting the Camera*, *Target (Mini) Fixed Dome* Chapter, **GV-IPCam Hardware Manual - EFD.**
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   C. Based on the live view, adjust the pan and tilt angles and secure the housing cover. See *Installation*, *Target (Mini) Fixed Dome* Chapter, ***GV-IPCam Hardware Manual - EFD***.

12.7 Straight Tube Mount





This installation method is only applicable to **GV-EFD2101**, **GV-EFD3101** and **GV-EFD5101**.

Required accessories:

- GV-Mount101
- GV-Mount917

The user needs to prepare:

- Screws for ceiling x 4

Optionally extend with:

- GV-Mount702

1. Assemble the camera with the dome housing. See *12.6 Assembling the GV-EFD2101 / EFD3101 / EFD5101 with the Dome Housing*.
2. Assemble the mounting bracket (GV-Mount101, No. 1), the tube (GV-Mount101, No. 2) and the tube connector (GV-Mount101, No. 3). Tighten with the supplied torx wrench (GV-Mount101, No. 4)





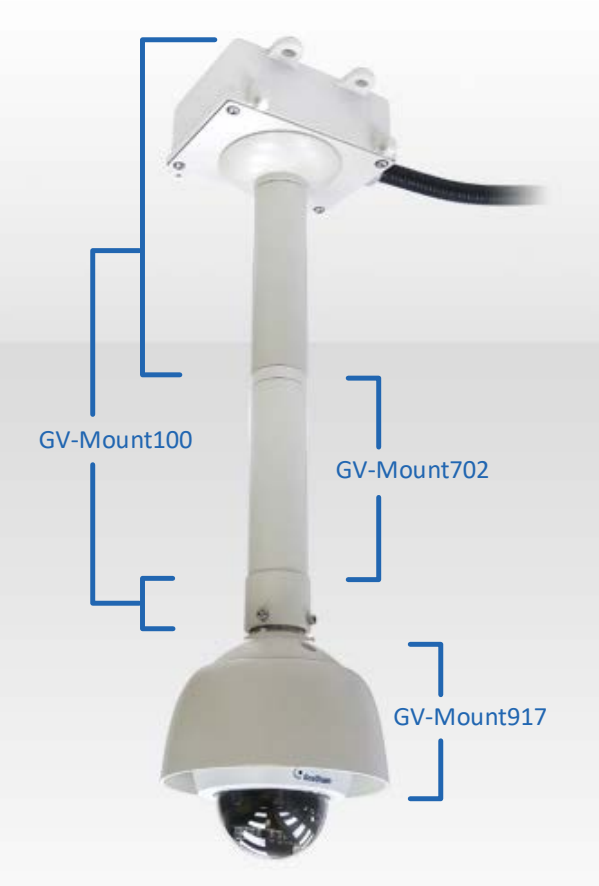
3. Thread the cables and wires into the dome housing.
4. Secure the tube to the end of the housing cap (GV-Mount902, No. 2) with M6 screws (GV-Mount101, No. 4).



5. Secure the housing bracket to the ceiling with 4 self-prepared screws.
6. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the camera to power and network. See *Connecting the Camera*, *Target (Mini) Fixed Dome* Chapter, ***GV-IPCam Hardware Manual - EFD*.**
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   C. Based on the live view, adjust the pan and tilt angles and secure the housing cover. See *Installation*, *Target (Mini) Fixed Dome* Chapter, ***GV-IPCam Hardware Manual - EFD***.

12.8 Straight Tube Box Mount





This installation method is only applicable to **GV-EFD2101**, **GV-EFD3101** and **GV-EFD5101**.

Required accessories:

- GV-Mount100
- GV-Mount917

The user needs to prepare:

- Screws for ceiling x 4
- Corrugated tube x 1 (3/4", ø 26.0 ~ 26.5 mm)



Optionally extend with:

- GV-Mount702

1. Assemble the camera with the dome housing. See *12.6 Assembling the GV-EFD2101 / EFD3101 / EFD5101 with the Dome Housing*.
2. Follow steps 2 to 6 in *4.2 Straight Tube Box Mount* to install the junction box, corrugated tube and mounting tube.
3. Thread the wires and cables through the housing cap (GV-Mount917, No. 2) and secure the tube to the end of the housing cap with M6 screws (GV-Mount917, No. 4).
4. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the camera to power and network. See *Connecting the Camera*, *Target (Mini) Fixed Dome* Chapter, **GV-IPCam Hardware Manual - EFD.**
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, **GV-IPCam Firmware Manual**.
   C. Based on the live view, adjust the pan and tilt angles and secure the housing cover. See step 9 in *Installation*, *Target (Mini) Fixed Dome* Chapter, **GV-IPCam Hardware Manual - EFD**.

12.9 Convex Corner Mount



This installation method is only applicable to **GV-EFD2101**, **GV-EFD3101** and **GV-EFD5101**.

Required accessories:

- GV-Mount200
- GV-Mount300-1
- GV-Mount917

The user needs to prepare:

- Screws for wall x 8

1. Assemble the camera with the dome housing. See *12.6 Assembling the GV-EFD2101 / EFD3101 / EFD5101 with the Dome Housing*.
2. Assemble the mounting plates (GV-Mount300-1, No. 1), slide in the plain washer (GV-Mount300-1, No. 4), then the split washer (GV-Mount300-1, No. 5), and secure them with the screw cap (GV-Mount300-1, No. 6).



3. Secure the pendant tube (GV-Mount200, No. 1) to the plate. Slide the 30 mm M8 screws (GV-Mount300-1, No. 2) from the front and secure from the backside using plain washers (GV-Mount300-1, No. 4), split washers (GV-Mount300-1, No. 5) and the M8 screw caps (GV-Mount300-1, No. 6).

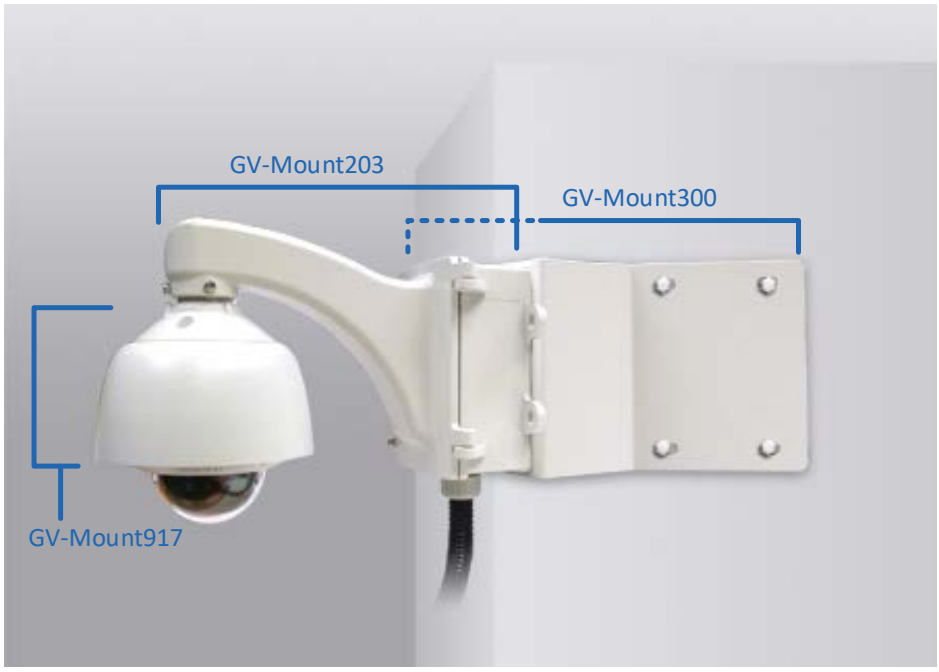




Backside View

4. Thread the necessary wires and cables through the pendant tube and secure the plate to the wall with 8 self-prepared screws.
5. Thread the wires and cables into the dome and connect them to the camera.
6. Secure the pendant tube to the end of the housing cap (GV-Mount917, No. 2) with M6 screws (GV-Mount902, No. 4).
7. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the camera to power and network. See *Connecting the Camera*, *Target (Mini) Fixed Dome* Chapter, ***GV-IPCam Hardware Manual - EFD*.**
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   C. Based on the live view, adjust the pan and tilt angles and secure the housing cover. See *Installation*, *Target (Mini) Fixed Dome* Chapter, ***GV-IPCam Hardware Manual - EFD***.

12.10 Convex Corner Box Mount



This installation method is only applicable to **GV-EFD2101**, **GV-EFD3101**, and **GV-EFD5101**.

Required accessories:

- GV-Mount203
- GV-Mount300-1
- GV-Mount917

The user needs to prepare:

- Screws for wall x 8
- Corrugated tube x 1 (3/4", ø 26.0 ~ 26.5 mm)



1. Assemble the camera with the dome housing. See *12.6 Assembling the GV-EFD2101 / EFD3101 / EFD5101 with the Dome Housing*.
2. Follow steps 2 to 6 in *4.9 Convex Corner Box Mount* to install the mounting plates, junction box, corrugated tube and pendant tube.
3. Thread the wires and cables through the pendant tube into the dome housing and connect them to the camera.

4. Secure the pendant tube to the end of the housing cap (GV-Mount917, No. 2) with M6 screws (GV-Mount917, No. 4).



5. Conceal the junction box with M5 screws using the torx wrench (GV-Mount203, No. 5).
6. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the camera to power and network. See *Connecting the Camera*, *Target (Mini) Fixed Dome* Chapter, **GV-IPCam Hardware Manual - EFD.**
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, **GV-IPCam Firmware Manual**.
   C. Based on the live view, adjust the pan and tilt angles and secure the housing cover. See *Installation*, *Target (Mini) Fixed Dome* Chapter, **GV-IPCam Hardware Manual - EFD**.

12.11 Concave Corner Mount



Required accessories:

- GV-Mount200
- GV-Mount310-1
- GV-Mount917

The user needs to prepare:

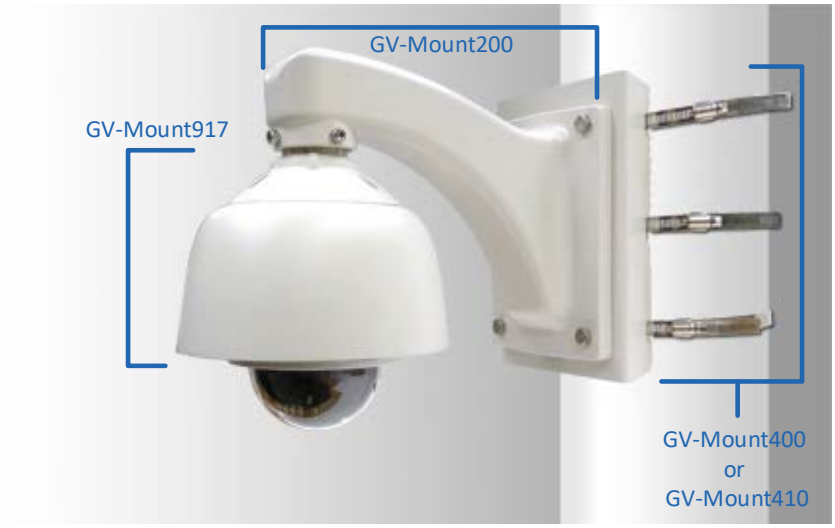
- Screws for wall x 8

1. Assemble the camera with the dome housing. See *12.6 Assembling the GV-EFD2101 / EFD3101 / EFD5101 with the Dome Housing*.
2. Follow steps 2 and 3 in *4.10 Concave Corner Mount* to assemble the mounting plates and the pendant tube.
3. Thread the necessary wires and cables through the pendant tube and connect them to the camera.
4. Secure the plate to the wall with 8 self-prepared screws.
5. Secure the pendant tube to the end of the housing cap (GV-Mount917, No. 2) with M6 screws (GV-Mount917, No. 4).
6. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the camera to power and network. See *Connecting the Camera*, *Target (Mini) Fixed Dome* Chapter, ***GV-IPCam Hardware Manual - EFD*.**

B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.

C. Based on the live view, adjust the pan and tilt angles and secure the housing cover. See *Installation*, *Target (Mini) Fixed Dome* Chapter, ***GV-IPCam Hardware Manual - EFD***.

12.12 Pole Mount



This installation method is only applicable to **GV-EFD2101**, **GV-EFD3101** and **GV-EFD5101**.

Required accessories:

- GV-Mount200
- GV-Mount400-1 / 410-1
- GV-Mount917

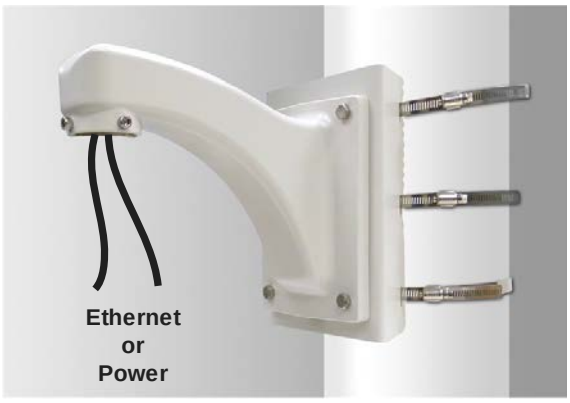
1. Assemble the camera with the dome housing. See *12.6 Assembling the GV-EFD2101 / EFD3101 / EFD5101 with the Dome Housing*.
2. Secure the pendant tube (GV-Mount200, No. 1) to the mounting bracket (GV-Mount400 / 410 / 400-1 / 410-1, No. 1). Slide the 30 mm M8 screws (GV-Mount400 / 410 / 400-1 / 410-1, No. 3) from the front and secure from the backside using plain washer (GV-Mount400-1 / 410-1, No. 5), split washer (GV-Mount400-1 / 410-1, No. 6) and screw cap (GV-Mount400-1 / 410-1, No. 7).





Backside View

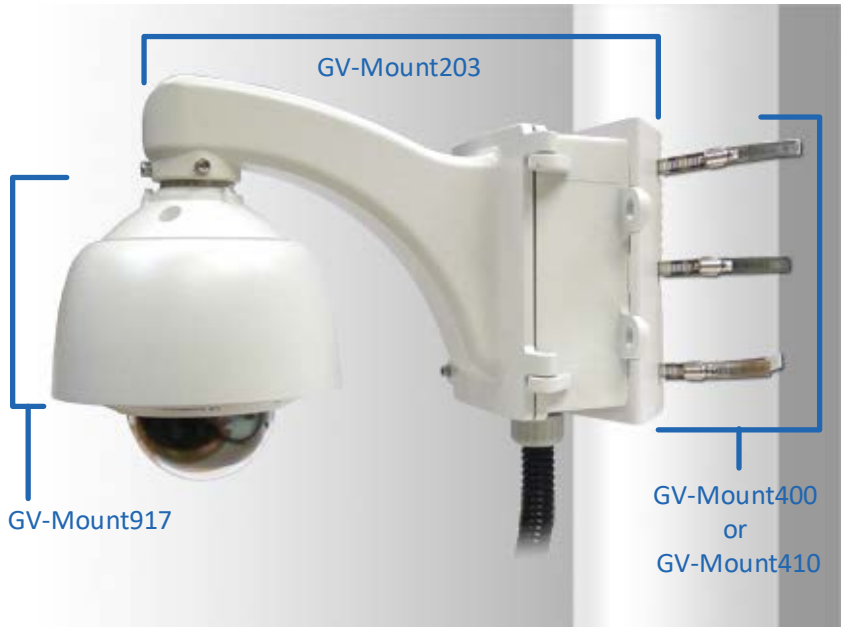
3. Thread the necessary wires and cables through the pendant tube and secure the mounting bracket to the pole using 3 steel straps (GV-Mount400-1 / 410-1, No. 2). Rotate the screw on the strap to adjust its size.





4. Thread the wires and cables into the dome housing and connect them to the camera.
5. Secure the pendant tube to the end of the housing cap (GV-Mount917, No. 2) with M6 screws (GV-Mount917, No. 4).
6. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the camera to power and network. See *Connecting the Camera*, *Target (Mini) Fixed Dome* Chapter, ***GV-IPCam Hardware Manual - EFD*.**
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   C. Based on the live view, adjust the pan and tilt angles and secure the housing cover. See *Installation*, *Target (Mini) Fixed Dome* Chapter, ***GV-IPCam Hardware Manual - EFD***.

12.13 Pole Box Mount



This installation method is only applicable to **GV-EFD2101**, **GV-EFD3101** and **GV-EFD5101**.

Required accessories:

- GV-Mount203
- GV-Moun400-1 / 410-1
- GV-Mount917

The user needs to prepare:

- Corrugated tube x 1 (3/4'', ø 26.0 ~ 26.5 mm)



---

1. Assemble the camera with the dome housing. See *12.6 Assembling the GV-EFD2101 / EFD3101 / EFD5101 with the Dome Housing*.
2. Follow steps 2 to 5 in *4.12 Pole Box Mount* to install the junction box, mounting bracket, corrugated tube and pendant tube.
3. Thread the wires and cables through the pendant tube into the dome housing and connect them to the camera.
4. Secure the pendant tube to the end of the housing cap (GV-Mount917, No. 2) with M6 screws (GV-Mount917, No. 4).

5. Conceal the junction box with M5 screws (GV-Mount203, No. 3) using the torx wrench (GV-Mount203, No. 5).
6. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the camera to power and network. See *Connecting the Camera*, *Target (Mini) Fixed Dome* Chapter, **GV-IPCam Hardware Manual - EFD.**
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, **GV-IPCam Firmware Manual**.
   C. Based on the live view, adjust the pan and tilt angles and secure the housing cover. See *Installation*, *Target (Mini) Fixed Dome* Chapter, **GV-IPCam Hardware Manual - EFD**.

13. Installing the Target Mini Fixed Rugged Dome

13.1 Wall Box Mount

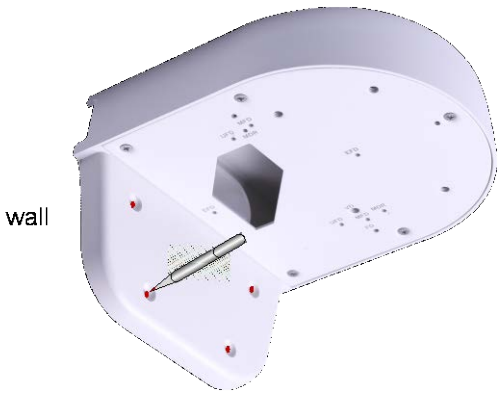
The information in this section does not apply to GV-EDR4700 Series.



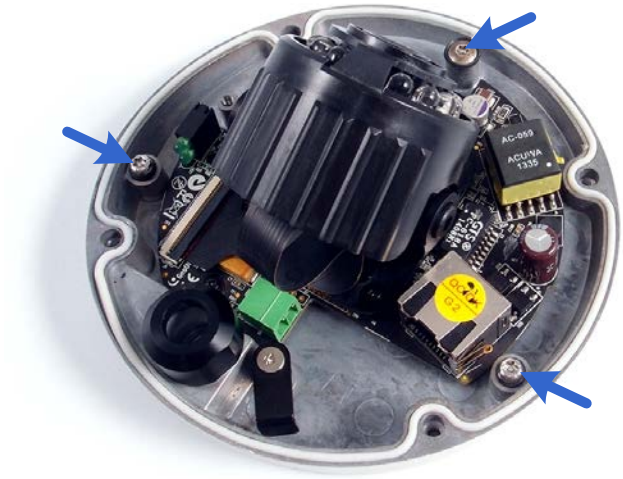
Required accessories:

- GV-Mount909

1. Take the wall mount bracket (GV-Mount909, No. 1) and make 4 marks on the wall for screw anchors.



2. Drill the marks and insert 4 screw anchors (GV-Mount909, No. 2).
3. Secure the wall mount bracket to the wall with wall mount screws (GV-Mount909, No. 3).
4. Unscrew the camera's cover using the supplied torx wrench.
5. Unscrew the three screws as indicated below. A back plate can be separated from the bottom.



6. Align and secure the back plate to the wall mount bracket with two M3 screws (GV-Mount909, No. 4). Use the holes indicated with MFD.



7. Refer to the indicated sections of the manuals on the software DVD:
   A. Finish installing the camera. Follow steps 5 to 15 in *Installation*, *Target Mini Fixed Rugged Dome* Chapter, ***GV-IPCam Hardware Manual - EDR***.
   B. Connect the network and power cables to the camera. See *Connecting the Camera*, *Target Mini Fixed Rugged Dome* Chapter, ***GV-IPCam Hardware Manual - EDR***.
   C. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.

13.2 Wall Mount Bracket



Required accessories:

- GV-Mount918

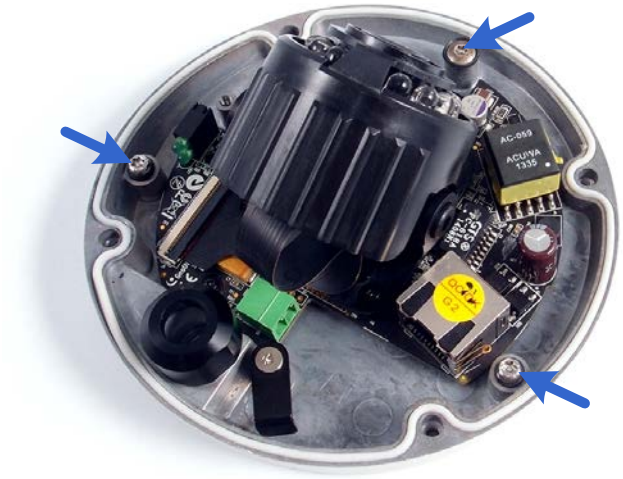
1. Take the wall mount bracket (GV-Mount918, No. 1) and make 2 marks on the wall for screw anchors.



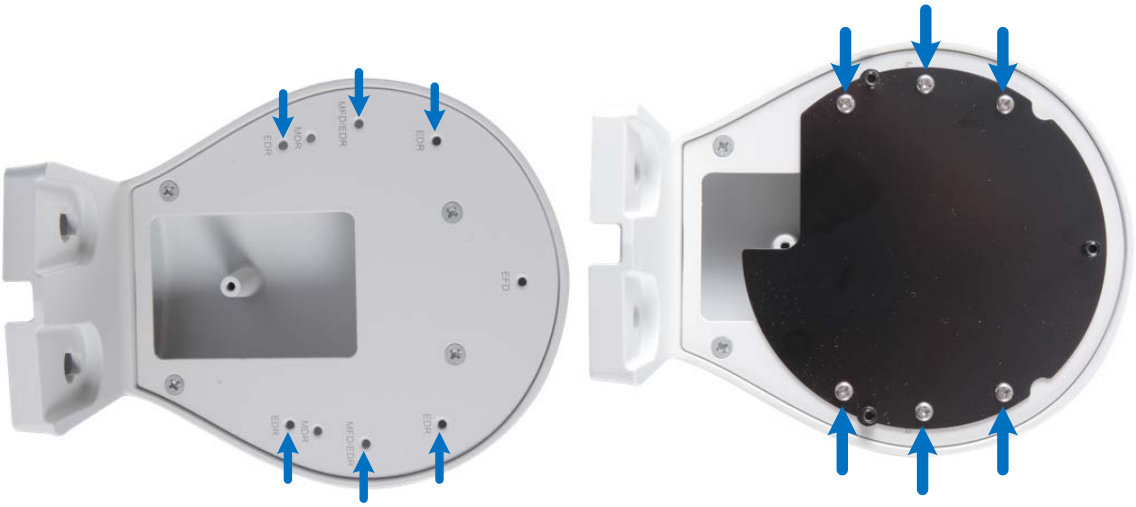
2. Drill the marks and insert 2 screw anchors (GV-Mount918, No. 2).
3. Secure the wall mount bracket to the wall with 2 wall mount screws (GV-Mount918, No. 3) and 2 plain washers (GV-Mount918, No. 5).

Note: Thread the network, power and other cables through the wall mount bracket before securing the wall mount bracket to the wall.

4. Unscrew the camera's cover using the supplied torx wrench.
5. Unscrew the camera using the supplied torx wrench, and separate the camera from the back plate.



6. Align and secure the camera's back plate to the wall mount bracket with 6 M3 screws (GV-Mount918, No. 4).



7. Connect the network, power and other cables to the camera. Align and secure the camera to the wall mount bracket.



8. Refer to the indicated sections of the manuals on the software DVD:
   A. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   B. Based on the live view, adjust the pan and tilt angles. See steps 14 in *Installation, Target Mini Fixed Rugged Dome* Chapter, ***GV-IPCam Hardware Manual - EDR***.
   C. Replace the silica gel bag and secure the housing cover using the torx wrench. See steps 15 in *Installation, Target Mini Fixed Rugged Dome* Chapter, ***GV-IPCam Hardware Manual - EDR***.

13.3 Power Box Mount





Required accessories:

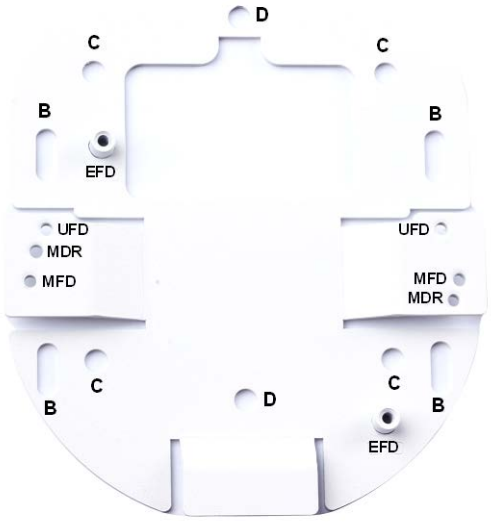
- GV-Mount910 or GV-Mount913

The user needs to prepare

- Screws for securing the mounting plate to power box

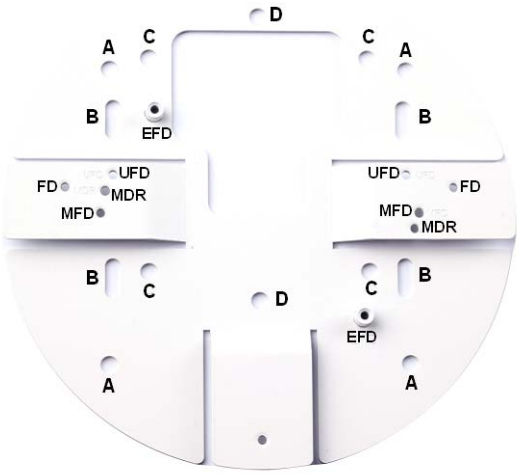
1. Secure the mounting plate (GV-Mount910 or GV-Mount913, No. 1) to the power box with your own screws. Depending on the type of power box, use the holes indicated with the corresponding letter:

GV-Mount910



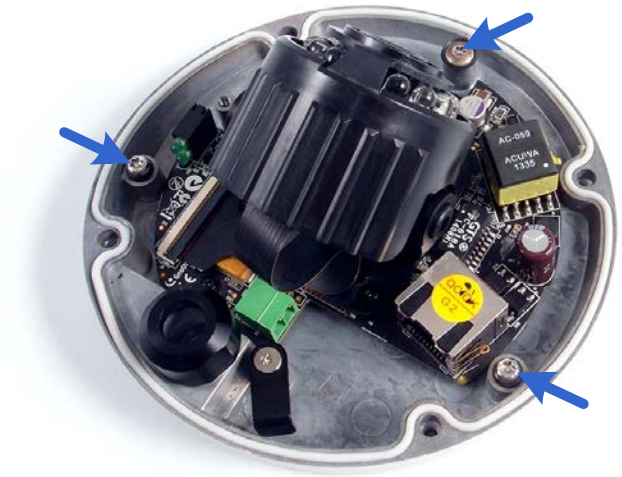
Type of Power Box	Hole
Double Gang	B
4'' Octagon	C
Single Gang	D

GV-Mount913

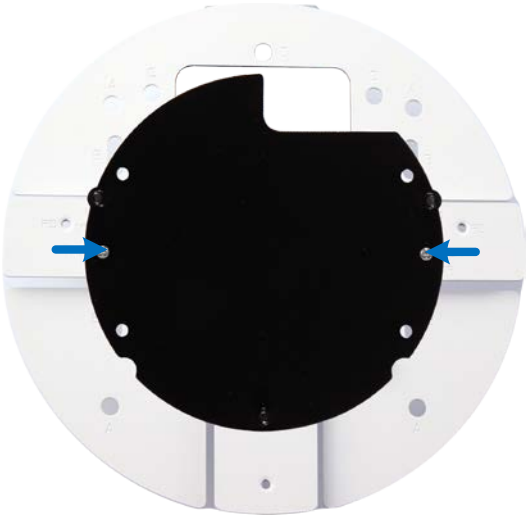


Type of Power Box	Hole
4’’ Square	A
Double Gang	B
4’’ Octagon	C
Single Gang	D

2. Remove camera cover with the supplied torx wrench.
3. Unscrew the three screws as indicated below. A back plate can be separated from the bottom.



4. Secure the back plate to the mounting plate with M3 screws (GV-Mount910 or GV-Mount913, No. 2). Use the holes indicated with MFD.



5. Refer to the indicated sections of the manuals on the software DVD:
   A. Finish installing the camera. Follow steps 5 to 15 in *Installation*, *Target Mini Fixed Rugged Dome* Chapter, ***GV-IPCam Hardware Manual - EDR***.
   B. Connect the network and power cables to the camera. See *Connecting the Camera*, *Target Mini Fixed Rugged Dome* Chapter, ***GV-IPCam Hardware Manual - EDR***.
   C. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.

14. Installing the Target Vandal Proof / Vandal Proof IP Dome

Besides the Target Vandal Proof IP Dome, the installation methods in Chapter 14 also apply to **GV-VD2702 / 2712 / 4702 / 4712** of Vandal Proof IP Dome.

14.1 Wall Mount Bracket



Required accessories:

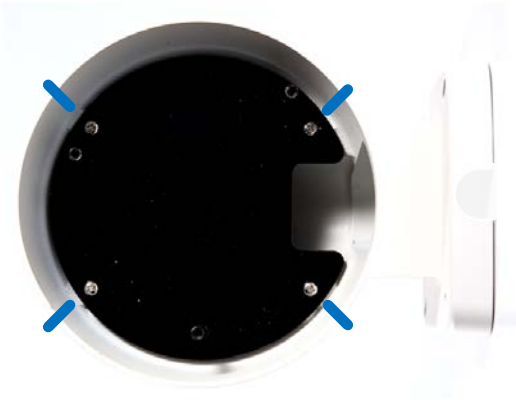
- GV-Mount206

1. Take the wall mount bracket (GV-Mount206, No. 1) and make 4 marks on the wall for screw anchors.



2. Drill the marks and insert 4 screw anchors (GV-Mount206, No. 6).

3. Align and secure the mounting plate (GV-Mount206, No. 2) to the wall mount bracket with 4 M4 screws (GV-Mount206, No. 4).

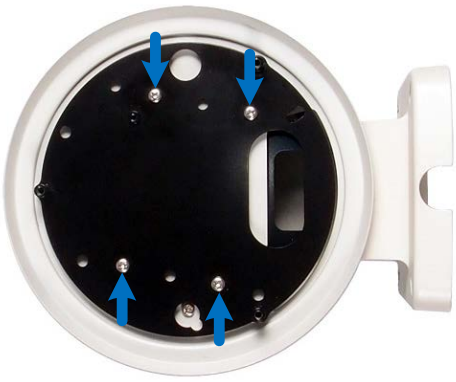


4. Align and secure the housing plate (GV-Mount206, No. 3) to the mounting plate with 3 M4 screws (GV-Mount206, No. 4).



5. Open the camera housing cover, remove the back plate and thread the cables into the camera. See steps 1 to 6 in *Installation*, *Target Vandal Proof IP Dome* Chapter, ***GV-IPCam Hardware Manual - EVD*** on the software DVD.
6. Align and secure the camera's back plate to the housing plate with four M4 screws (GV-Mount206, No. 4).





7. Secure the camera to the back plate with the supplied torx wrench.

8. Secure the wall mount bracket to the wall with 40 mm M4 screws (GV-Mount206, No. 5) and plain washers (GV-Mount206, No. 7).
9. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the camera to power and network. See *Connecting the Camera*, *Target Vandal Proof IP Dome* Chapter, ***GV-IPCam Hardware Manual - EVD.***
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   C. Based on the live view, adjust the pan and tilt angles and secure the housing cover. See step 10 in *Installation*, *Target Vandal Proof IP Dome* Chapter, ***GV-IPCam Hardware Manual – EVD***.

14.2 In-Ceiling Mount



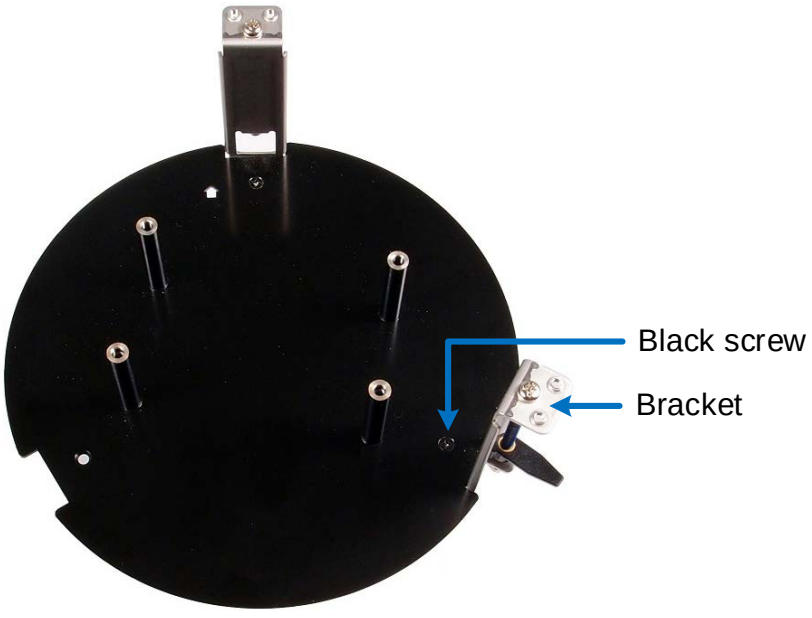
The thickness of the ceiling board must not exceed 4 cm (1.57 in).

Required accessories:

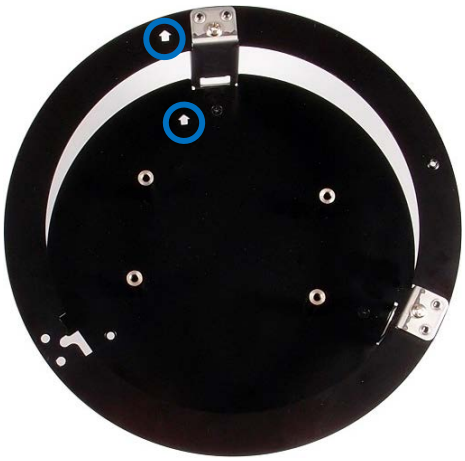
- GV-Mount916

1. Assemble the support racks, mounting plate and the mounting ring.

   A. Secure two brackets (GV-Mount916, No. 1) to the in-ceiling plate (GV-Mount916, No.2) with a black screw (GV-Mount916, No. 5).



B. Assemble the in-ceiling ring (GV-Mount916, No. 4). Make sure the arrows on the mounting ring and mounting plate are aligned.

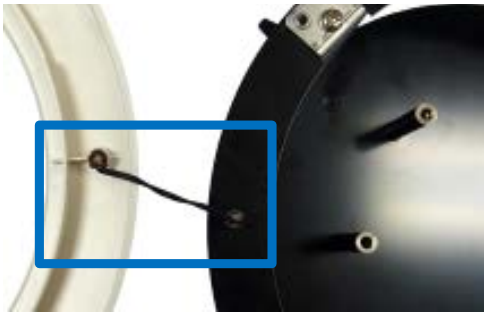


C. Assemble the third bracket and secure it with a black screw (GV-Mount916, No. 5).

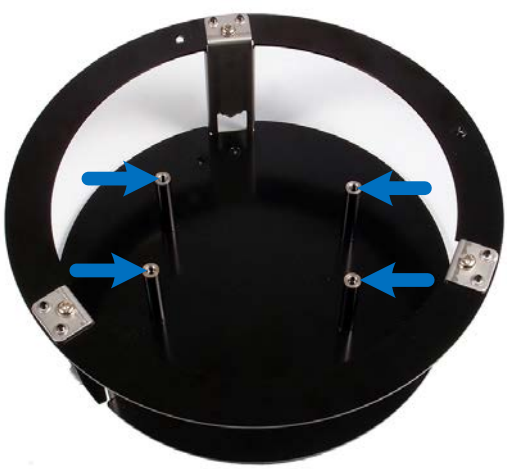
D. Secure the brackets on the underside of the in-ceiling ring with black screws (GV-Mount916, No. 5).

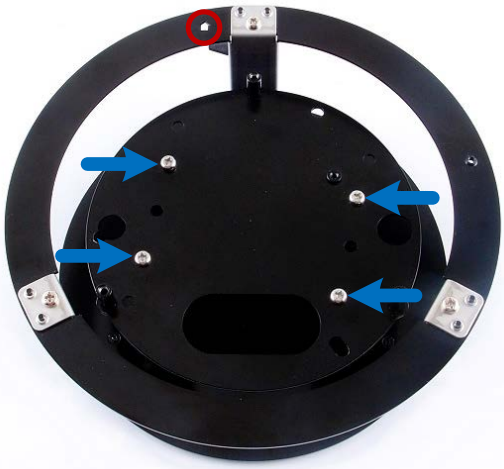


E. Use the thread lock (GV-Mount916, No. 9) to attach the in-ceiling cover with the in-ceiling ring using the M3 short screw (GV-Mount916, No. 7).

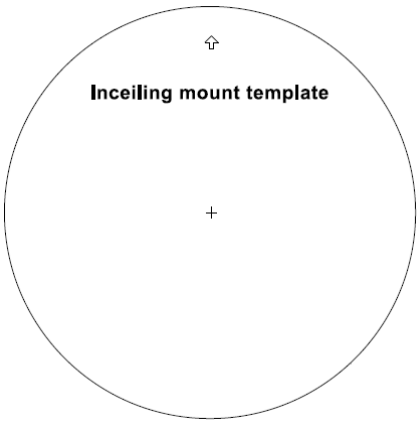


2. Open the camera housing cover and remove the back plate.
3. Place the back plate onto the in-ceiling plate, and secure with screws (GV-Mount916, No. 6). The arrow on the in-ceiling ring should be pointing away from the cable opening of the back plate.



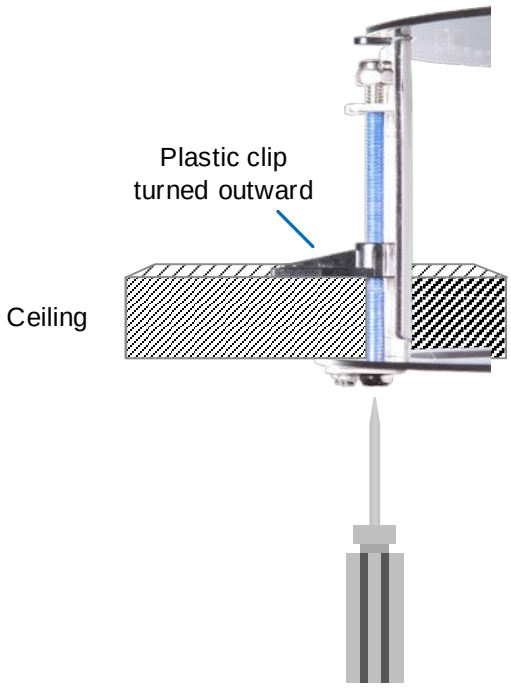


4. Paste the sticker (GV-Mount916, No. 8) to the ceiling, and then cut off the circle part of the ceiling.

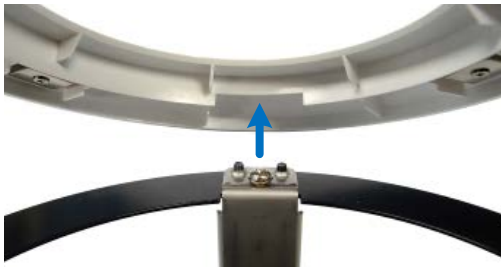


5. Place the mounting casing inside the ceiling hole, and secure the casing with the ceiling.
   A. Turn the plastic clip of the bracket outward.

B. Tighten the bracket so that the plastic clips are tightly pinching the ceiling board.



6. Thread the cables through the in-ceiling mount and into the camera. See steps 1 to 6 in *Installation*, *Target Vandal Proof IP Dome* Chapter, G*V-IPCam Hardware Manual - EVD* on the software DVD.
7. Secure the camera to the back plate with the supplied torx wrench.
8. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the camera to power and network. See *Connecting the Camera*, *Target Vandal Proof IP Dome* Chapter, ***GV-IPCam Hardware Manual - EVD***.
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   C. Based on the live view, adjust the pan and tilt angles and secure the housing cover. See step 10 in *Installation*, *Target Vandal Proof IP Dome* Chapter, ***GV-IPCam Hardware Manual – EVD***.
9. Place the in-ceiling cover onto the in-ceiling ring. The brackets should align with the three indentations of the in-ceiling cover.



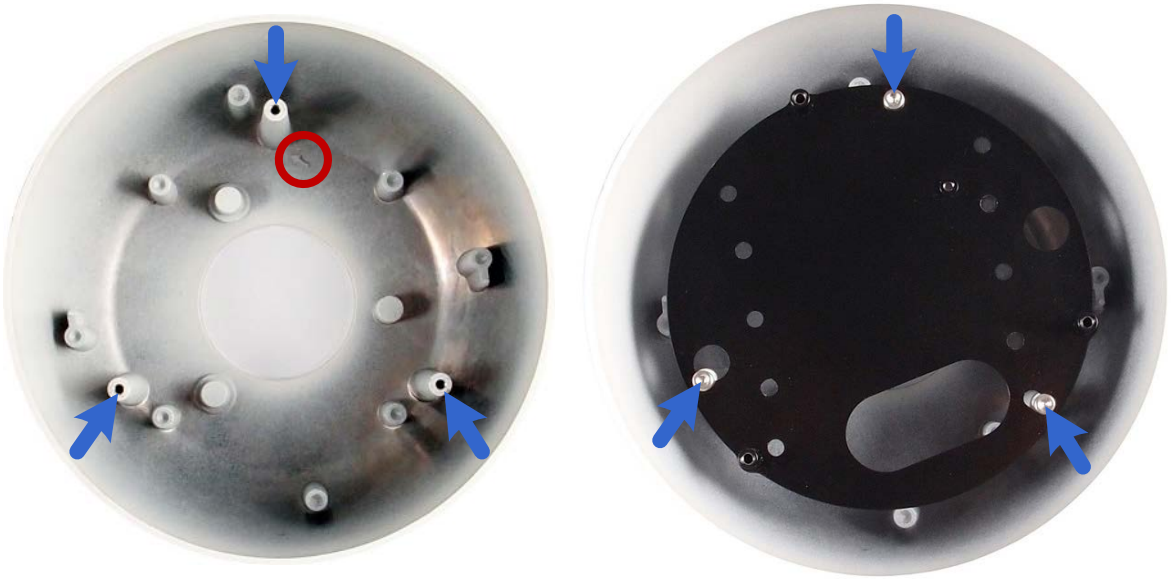
14.3 Assembling Dome Housing



Required accessories:

- GV-Mount903-1

1. Open the camera housing cover, remove the back plate and thread the cables into the camera. See steps 1 to 6 in *Installation*, *Target Vandal Proof IP Dome* Chapter, G*V-IPCam Hardware Manual - EVD* on the software DVD.
2. Secure the back plate to the dome housing with M4 screws (GV-Mount903-1, No. 3). The oval-shaped cable opening on the back plate should be on the opposite side of the arrow inside the dome housing.



3. Reattach the safety lock and secure the camera to the back plate.

14.4 Wall Pendant Mount



Required accessories:

- GV-Mount200
- GV-Mount903-1

The user needs to prepare:

- Screws for wall x 4

1. Assemble the camera with the dome housing. See *14.4 Assembling the Dome Housing*.

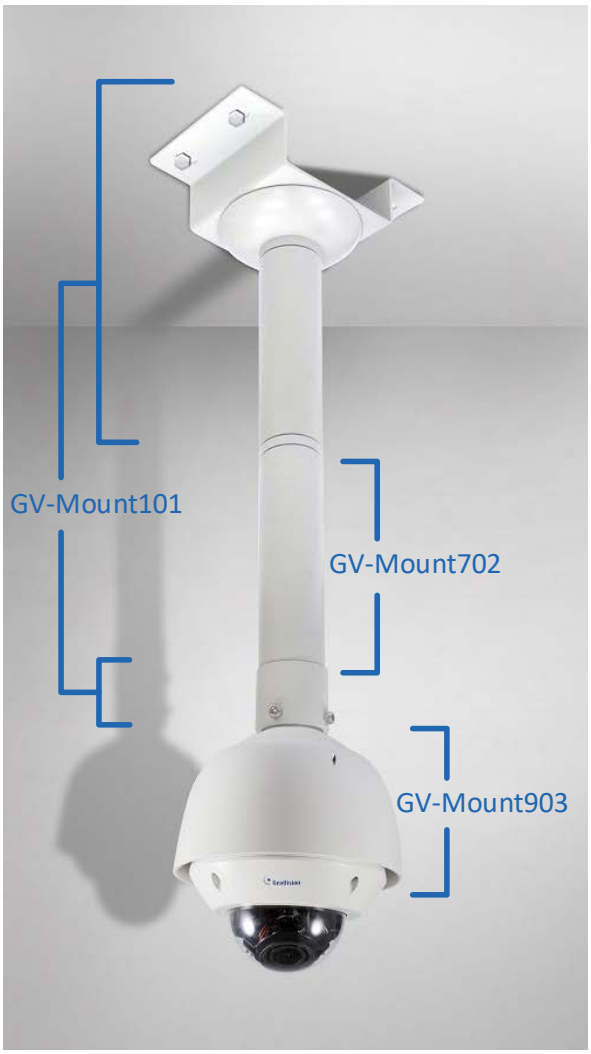
2. Thread the camera cables from the wall through the pendant tube (GV-Mount200, No. 1), and secure the pendant tube to the end of the housing cap (GV-Mount903-1, No. 2) with M6 screws (GV-Mount903-1, No. 4).



3. Secure the wall pendant tube to the wall with 4 self-prepared screws.
4. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the camera to power and network. See *Connecting the Camera*, *Target Vandal Proof IP Dome* Chapter, ***GV-IPCam Hardware Manual - EVD.***
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual.***
   C. Based on the live view, adjust the pan and tilt angles and secure the housing cover. See step 10 in *Installation*, *Target Vandal Proof IP Dome* Chapter, ***GV-IPCam Hardware Manual – EVD.***

14.5 Straight Tube Mount





Required accessories:

- GV-Mount101
- GV-Mount903-1

The user needs to prepare:

- Screws for ceiling x 4

Optionally extend with:

- GV-Mount702

1. Assemble the camera with the dome housing. See *14.4 Assembling the Dome Housing*.
2. Assemble the mounting bracket (GV-Mount101, No. 1), the tube (GV-Mount101, No. 2) and the tube connector (GV-Mount101, No. 3). Tighten with the supplied torx wrench (GV-Mount101, No. 4)





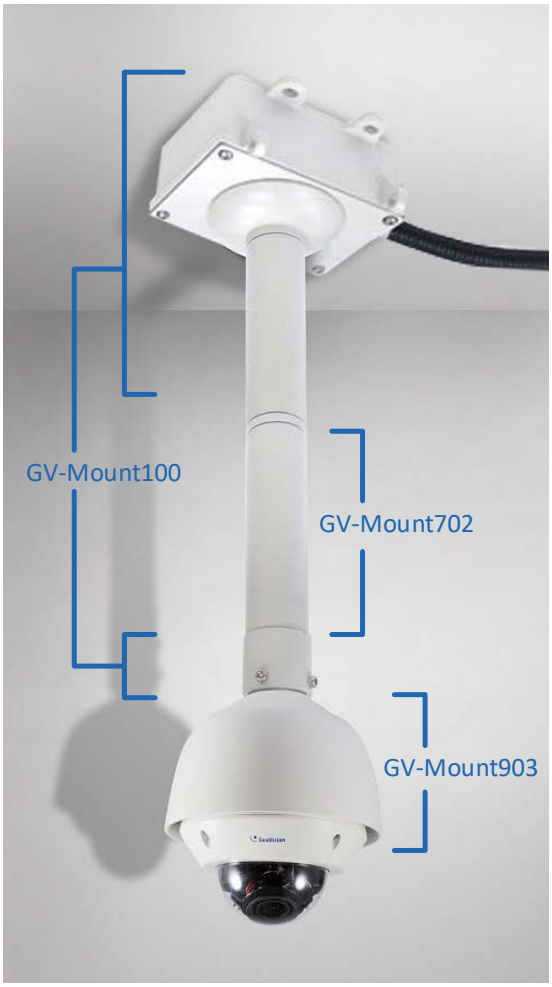
3. Secure the tube to the end of the housing cap (GV-Mount902, No. 2) with M6 screws (GV-Mount101, No. 4).



4. Secure the housing bracket to the ceiling with 4 self-prepared screws.
5. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the camera to power and network. See *Connecting the Camera*, *Target Vandal Proof IP Dome* Chapter, ***GV-IPCam Hardware Manual - EVD.***
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual.***
   C. Based on the live view, adjust the pan and tilt angles and secure the housing cover. See step 10 in *Installation*, *Target Vandal Proof IP Dome* Chapter, ***GV-IPCam Hardware Manual – EVD.***

14.6 Straight Tube Box Mount





Required accessories:

- GV-Mount100
- GV-Mount903-1

The user needs to prepare:

- Screws for ceiling x 4
- Corrugated tube x 1 (3/4'', ø 26.0 ~ 26.5 mm)



Optionally extend with:

- GV-Mount702

1. Assemble the camera with the dome housing. See *14.4 Assembling the Dome Housing*.
2. Follow steps 2 to 6 in *4.2 Straight Tube Box Mount* to install the junction box, corrugated tube and mounting tube.
3. Thread the wires and cables through the housing cap (GV-Mount903-1, No. 2) and secure the tube to the end of the housing cap with M6 screws (GV-Mount903-1, No. 4).
4. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the camera to power and network. See *Connecting the Camera*, *Target Vandal Proof IP Dome* Chapter, ***GV-IPCam Hardware Manual - EVD.***
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual.***
   C. Based on the live view, adjust the pan and tilt angles and secure the housing cover. See step 10 in *Installation*, *Target Vandal Proof IP Dome* Chapter, ***GV-IPCam Hardware Manual – EVD.***

14.7 Convex Corner Mount with Pendant Tube



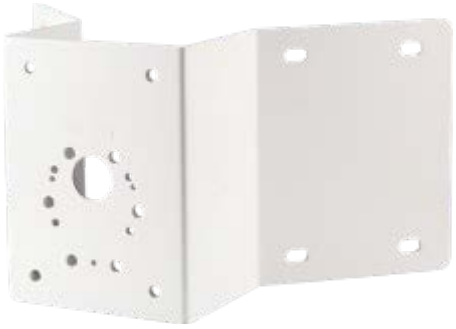
Required accessories:

- GV-Mount200
- GV-Mount300-1
- GV-Mount903-1

The user needs to prepare:

- Screws for wall x 8

1. Assemble the camera with the dome housing. See *14.4 Assembling the Dome Housing*.
2. Assemble the mounting plates (GV-Mount300-1, No. 1), slide in the plain washer (GV-Mount300-1, No. 4), then the split washer (GV-Mount300-1, No. 5), and secure them with the screw cap (GV-Mount300-1, No. 6).



3. Secure the pendant tube (GV-Mount200, No. 1) to the plate. Slide the 30 mm M8 screws (GV-Mount300-1, No. 2) from the front and secure from the backside using plain washers (GV-Mount300-1, No. 4), split washers (GV-Mount300-1, No. 5) and the M8 screw caps (GV-Mount300-1, No. 6).





Backside View

4. Thread the necessary wires and cables through the pendant tube and secure the plate to the wall with 8 self-prepared screws.
5. Thread the wires and cables into the dome and secure the pendant tube to the end of the housing cap (GV-Mount903-1, No. 2) with M6 screws (GV-Mount903-1, No. 4).
6. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the camera to power and network. See *Connecting the Camera*, *Target Vandal Proof IP Dome* Chapter, ***GV-IPCam Hardware Manual - EVD***.
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   C. Based on the live view, adjust the pan and tilt angles and secure the housing cover. See step 10 in *Installation*, *Target Vandal Proof IP Dome* Chapter, ***GV-IPCam Hardware Manual – EVD***.

14.8 Convex Corner Box Mount



Required accessories:

- GV-Mount203
- GV-Mount300-1
- GV-Mount903-1

The user needs to prepare:

- Screws for wall x 8
- Corrugated tube x 1 (3/4", ø 26.0 ~ 26.5 mm)



1. Assemble the camera with the dome housing. See *14.4 Assembling the Dome Housing*.
2. Follow steps 2 to 6 in *4.9 Convex Corner Box Mount* to install the mounting plates, junction box, corrugated tube and pendant tube.
3. Thread the wires and cables through the pendant tube into the dome housing.

4. Secure the pendant tube to the end of the housing cap (GV-Mount903-1, No. 2) with M6 screws (GV-Mount903-1, No. 4).



5. Conceal the junction box with M5 screws using the torx wrench (GV-Mount203, No. 5).
6. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the camera to power and network. See *Connecting the Camera*, *Target Vandal Proof IP Dome* Chapter, ***GV-IPCam Hardware Manual - EVD.***
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
   C. Based on the live view, adjust the pan and tilt angles and secure the housing cover. See step 10 in *Installation*, *Target Vandal Proof IP Dome* Chapter, ***GV-IPCam Hardware Manual – EVD***.

14.9 Concave Corner Mount with Pendant Tube



Required accessories:

- GV-Mount200
- GV-Mount310-1
- GV-Mount903-1

The user needs to prepare:

- Screws for wall x 8

1. Assemble the camera with the dome housing. See *14.4 Assembling the Dome Housing*.
2. Follow steps 2 and 3 in *4.10 Concave Corner Mount* to assemble the mounting plates and the pendant tube.
3. Thread the necessary wires and cables through the pendant tube and secure the plate to the wall with 8 self-prepared screws.
4. Secure the pendant tube to the end of the housing cap (GV-Mount903-1, No. 2) with M6 screws (GV-Mount903-1, No. 4).

5. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the camera to power and network. See *Connecting the Camera*, *Target Vandal Proof IP Dome* Chapter, ***GV-IPCam Hardware Manual - EVD.***
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual.***
   C. Based on the live view, adjust the pan and tilt angles and secure the housing cover. See step 10 in *Installation*, *Target Vandal Proof IP Dome* Chapter, ***GV-IPCam Hardware Manual – EVD.***

14.10 Pole Mount



Required accessories:

- GV-Mount200
- GV-Mount400-1 / 410-1
- GV-Mount903-1

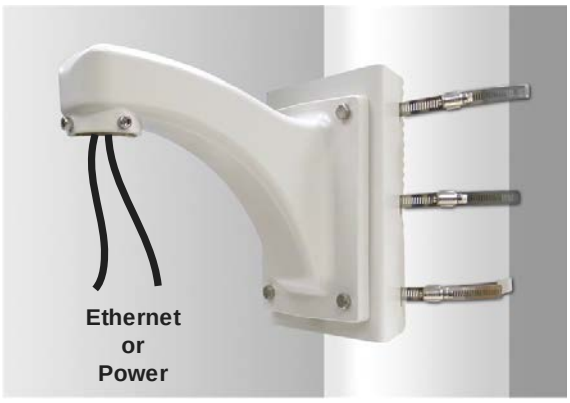
1. Assemble the camera with the dome housing. See *14.4 Assembling the Dome Housing*.
2. Secure the pendant tube (GV-Mount200, No. 1) to the mounting bracket (GV-Mount400-1 / 410-1, No. 1). Slide the 30 mm M8 screws (GV-Mount400-1 / 410-1, No. 3) from the front and secure from the backside using plain washer (GV-Mount400-1 / 410-1, No. 5), split washer (GV-Mount400-1 / 410-1, No. 6) and screw cap (GV-Mount400-1 / 410-1, No. 7).





Backside View

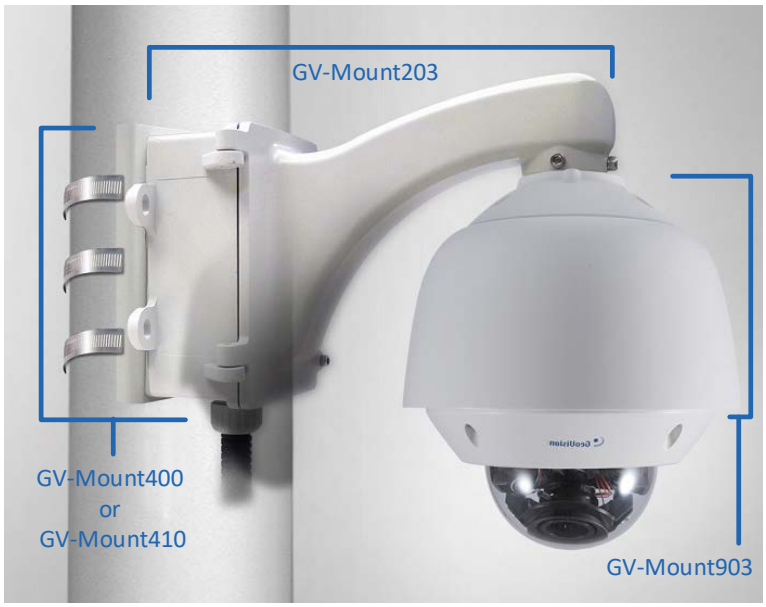
3. Thread the necessary wires and cables through the pendant tube and secure the mounting bracket to the pole using 3 steel straps (GV-Mount400-1 / 410-1, No. 2). Rotate the screw on the strap to adjust its size.





4. Thread the wires and cables into the dome housing.
5. Secure the pendant tube to the end of the housing cap (GV-Mount903-1, No. 2) with M6 screws (GV-Mount903-1, No. 4).
6. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the camera to power and network. See *Connecting the Camera*, *Target Vandal Proof IP Dome* Chapter, ***GV-IPCam Hardware Manual - EVD.***
   B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual.***
   C. Based on the live view, adjust the pan and tilt angles and secure the housing cover. See step 10 in *Installation*, *Target Vandal Proof IP Dome* Chapter, ***GV-IPCam Hardware Manual – EVD.***

14.11 Pole Box Mount



Required accessories:

- GV-Mount203
- GV-Mount400-1 / 410-1
- GV-Mount903-1

The user needs to prepare:

- Corrugated tube x 1 (3/4'', ø 26.0 ~ 26.5 mm)



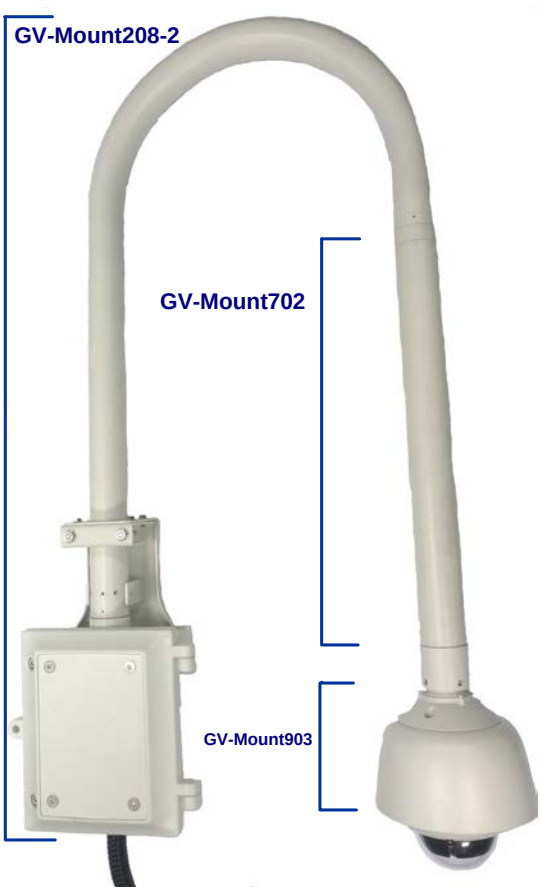
1. Assemble the camera with the dome housing. See *14.4 Assembling the Dome Housing*.
2. Follow steps 2 to 5 in *4.12 Pole Box Mount* to install the junction box, mounting bracket, corrugated tube and pendant tube.
3. Thread the wires and cables through the pendant tube into the dome housing.
4. Secure the pendant tube to the end of the housing cap (GV-Mount903-1, No. 2) with M6 screws (GV-Mount903-1, No. 4).
5. Conceal the junction box with M5 screws (GV-Mount203, No. 3) using the torx wrench (GV-Mount203, No. 5).
6. Refer to the indicated sections of the manuals on the software DVD:
   A. Connect the camera to power and network. See *Connecting the Camera*, *Target Vandal Proof IP Dome* Chapter, ***GV-IPCam Hardware Manual - EVD.***

B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual.***

C. Based on the live view, adjust the pan and tilt angles and secure the housing cover. See step 10 in *Installation*, *Target Vandal Proof IP Dome* Chapter, ***GV-IPCam Hardware Manual – EVD.***

14.12 Swan Neck Mount





Required accessories:

- GV-Mount208-2
- GV-Mount903-1

The user needs to prepare:

- Screws for wall x 4
- Corrugated tube x 1 (3/4", ø 26.0 ~ 26.5 mm)



- Adjustable wrench x 1

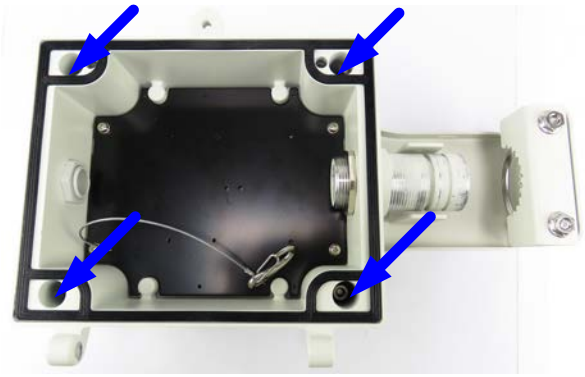
Optionally extend with:

- GV-Mount702

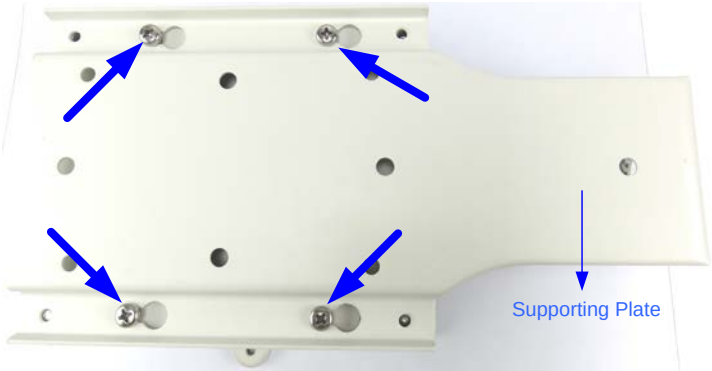
1. Loosen the indicated two screws of the junction box (GV-Mount208-2, No. 7) using No. 6 torx wrench (GV-Mount208-2, No. 4) and open the box cover.



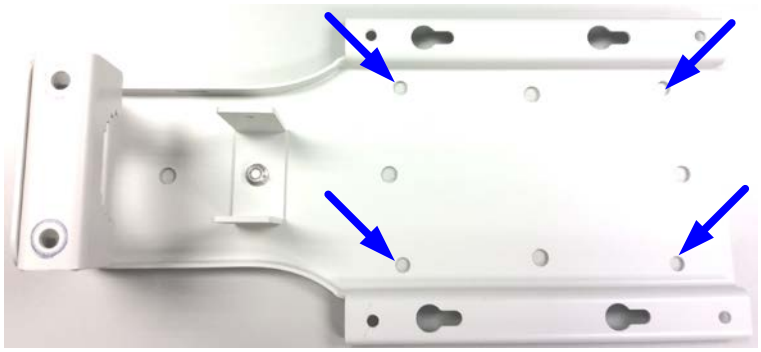
2. Loosen the 4 screws in the holes of the junction box using No. 6 torx wrench (GV-Mount208-2, No. 4) without removing them.



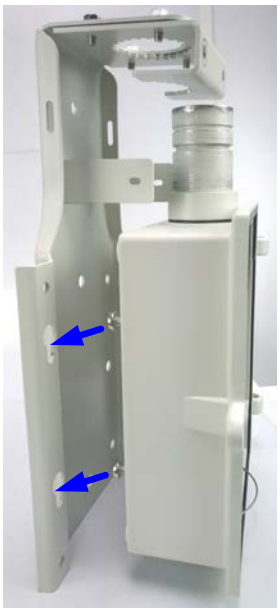
3. Turn over the junction box and loosen the four screws in the back with a Philips screwdriver to remove the supporting plate.



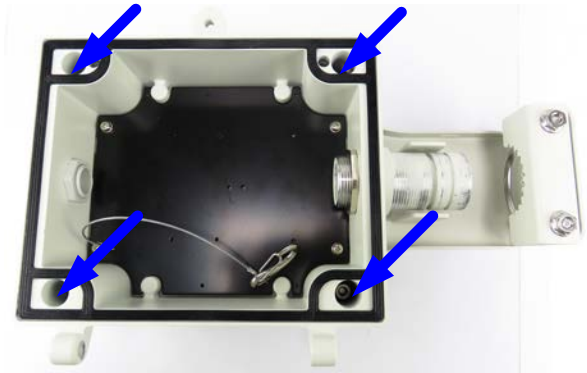
4. Secure the supporting plate to the wall with the 4 self-prepared screws.



5. Hang the junction box onto the supporting plate. Slide the box sideway to lodge the 4 screws with the plate.



6. Fasten the 4 screws in the holes of the junction box.

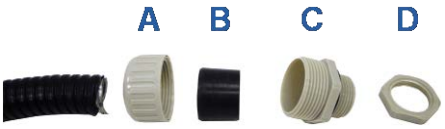


7. Hinge and hook the box cover to the junction box.



8. Assemble the supplied corrugated tube connector with the self-prepared corrugated tube and the junction box.

   A. Dismantle the supplied corrugated tube connector. You should have 4 parts.

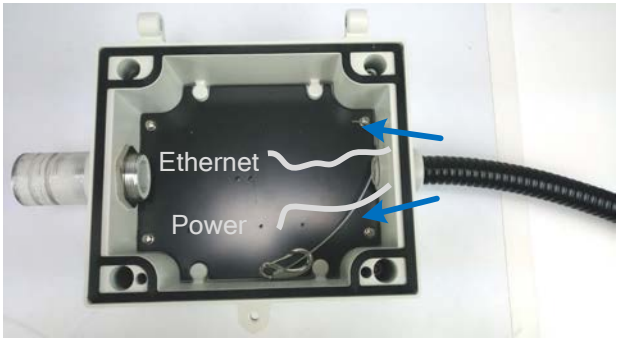


   B. Slide part A and part B to the self-prepared corrugated tube.

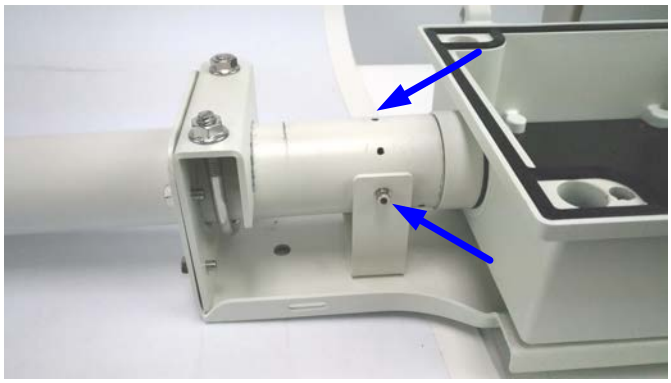


   C. Screw part C to the tube.

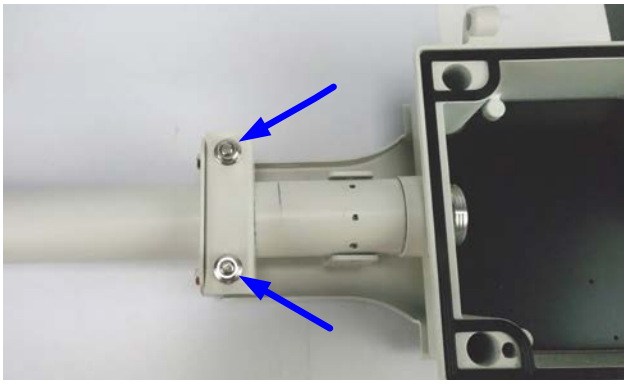
   D. Thread the power, network and other wires from the wall through the corrugated tube into the junction box and secure it with part D.



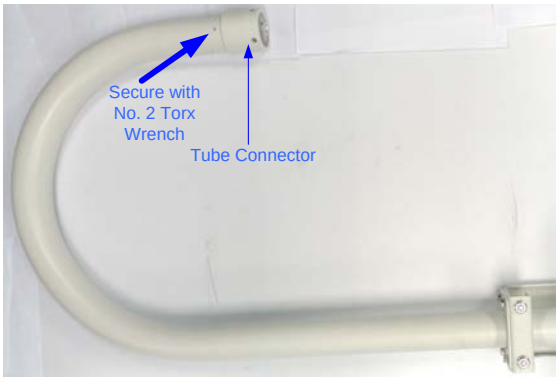
9. Connect the swan neck stainless tube (GV-Mount208-2, No. 5) with the junction box and fasten the washers (GV-Mount208-2, No. 6) on the two sides of the swan neck tube with No. 3 Torx Wrench (GV-Mount208-2, No. 2). Adjust the swan neck tube to suit your needs while you connect them.



10. Fasten the screws on the top of the swan neck with the self-prepared adjustable wrench.

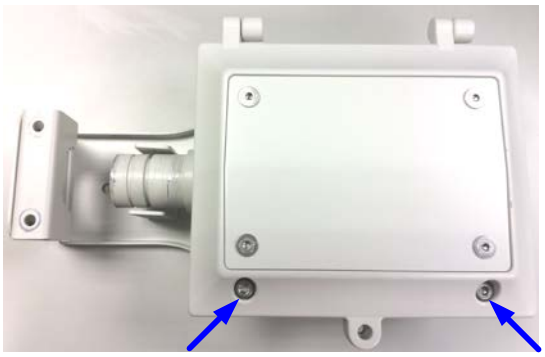


11. Secure the tube connector (GV-Mount208-2, No. 8) to the swan neck stainless tube with No.2 torx wrench (GV-Mount208-2, No. 1). Thread the wires and cables through the tube.



12. Assemble the tube connector (GV-Mount208-2, No. 8), housing cap (GV-Mount903-1, No. 2) and then the dome housing (GV-Mount903-1, No.1) with M6 screws (GV-Mount903-1, No. 4).
13. Thread the power (supplied), network (self-prepared) and other wires (supplied) through the dome housing.

14. Follow *14.4 Assembling Dome Housing* to secure the camera to the dome housing (GV-Mount903-1, No. 1).
15. Secure the box cover by fastening the 2 screws.



16. Refer to the indicated sections of the manuals on the software DVD:
    A. Connect the camera to power and network. See *Connecting the Camera*, *Target Vandal Proof IP Dome* Chapter, ***GV-IPCam Hardware Manual - EVD***.
    B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam Firmware Manual***.
    C. Based on the live view, adjust the pan and tilt angles and secure the housing cover. See step 10 in *Installation*, *Target Vandal Proof IP Dome* Chapter, ***GV-IPCam Hardware Manual – EVD***.

15. Installing the Panoramic PTZ Camera

15.1 In-Ceiling Mount

15.1.1 GV-PPTZ14021 / GV-PPTZ14031



This installation method is only applicable to **GV-PPTZ14021** and **GV-PPTZ14031**.

The complete installation weighs 6 kg / 13.22 lb. Make sure the chosen ceiling can bear the weight, but the thickness of the ceiling board must not exceed 3.5 cm (1.38 in).

Required Items

- GV-Mount908-3

The user needs to prepare:

- RJ-45 Ethernet Cable 60cm

1. Connect the cables to the camera.

   A. Remove the plastic rim at the bottom of the camera.



   B. Slide the cap and the waterproofing components through an Ethernet cable as shown below.



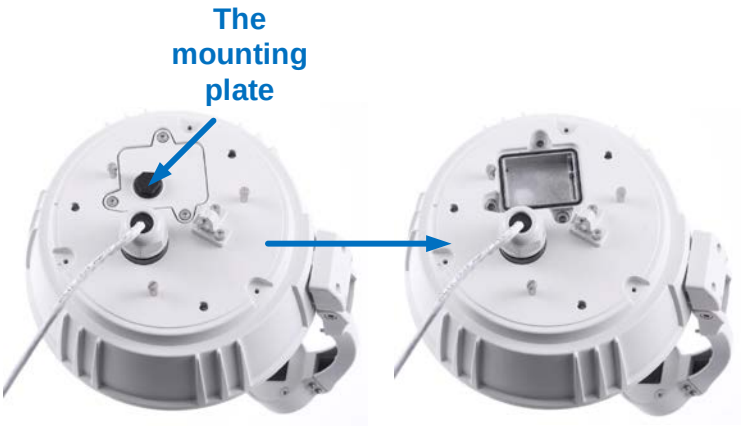
   C. Insert the Ethernet cable to the LAN port of the camera.

D. Move the cap and the components toward the LAN port.

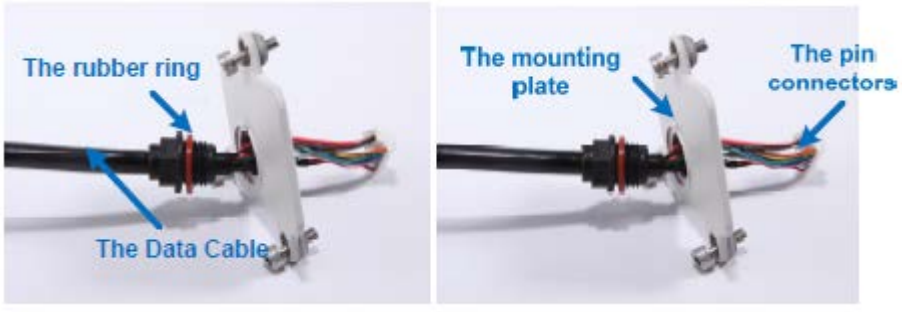


E. Secure the cap tightly.

F. You can choose to connect I/O devices, microphone, speaker and power adapter to the camera optionally. In that case, remove the mounting plate at the back of the camera and follow *Step G – Step I, Step 1*.



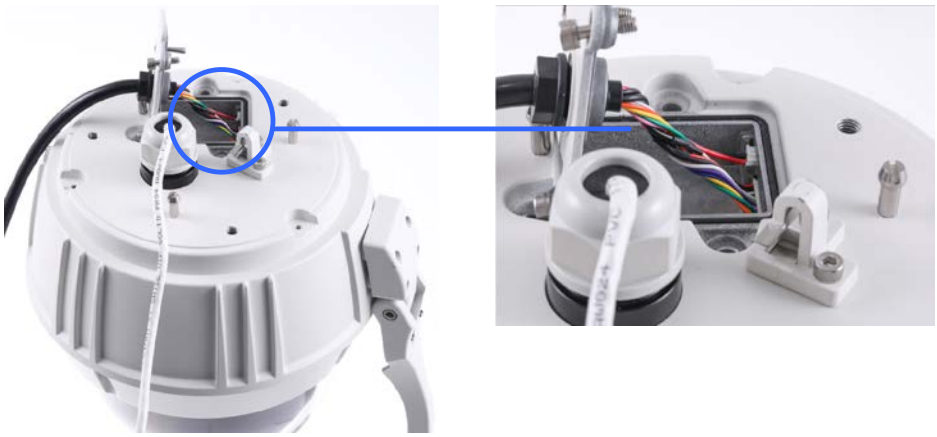
G. Pass the pin connectors of the data cable through the mounting plate.



H. Fasten the data cable with the mounting plate and the rubber ring.



I. Insert the pin connectors of the data cable to the indicated area.

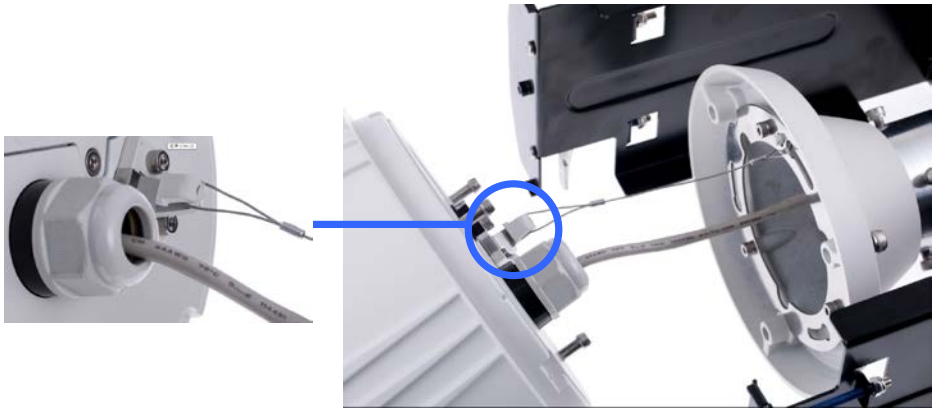


2. Assemble the camera with the GV-Mount908-3 mounting plate.

A. Make sure the arrow mark on the mounting plate is aligned with the arrow mark on the housing cap.



B. Attach the drop-prevention wire to the safety lock of the camera and thread the cables through the mounting plate.



C. Rotate the camera so that the rivets snap into the grooves on the housing cap.



D. Make sure the concave mark on the camera is aligned with the arrow mark on the housing cap.



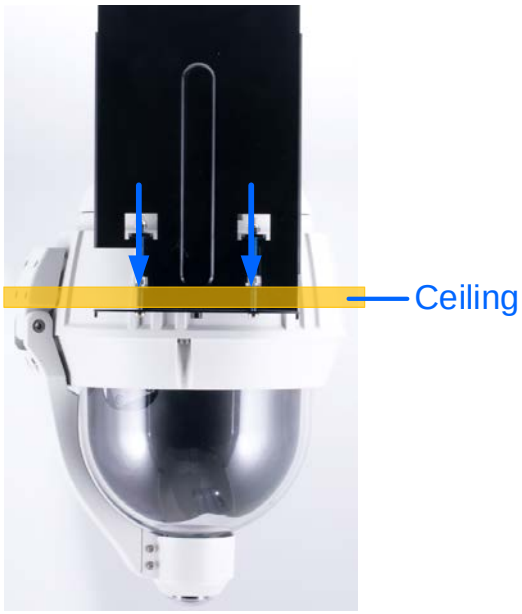
E. Secure the screws that hold the camera and the mounting plate together.



3. Drill the ceiling. Use the installation sticker (GV-Mount908-3, No. 7) to help you estimate the size of the camera.
4. Thread an Ethernet cable and the data cable through the ceiling.
5. Use RJ-45 extender (GV-Mount908-3, No.6) to connect the Ethernet cable in the ceiling hole and the Ethernet cable of the camera.



6. Insert the camera to the ceiling. Adjust the 4 screws to clip the camera tightly into the ceiling.



7. Secure the camera to the ceiling using the hex key.



8. Secure the in-ceiling cover with 2 screws using the hex key.

