

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-T



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Note: No memory card slot or local storage function for Argentina.

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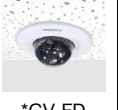











Installation Overview
















GV-Mount Series












The GV-Mount Series supports installation of Vandal Proof IP Dome, Fixed IP Dome, Fisheye Camera, IP Speed Dome, Bullet Camera, Arctic Box Camera, Mini Fixed Dome, Mini Fixed Rugged Dome, Target (Mini) Fixed Dome, Target Mini Fixed Rugged Dome and Target Vandal Proof IP Dome in various environments, such as the ceiling, wall surface, wall corner and pole. The supported installation types are listed below.














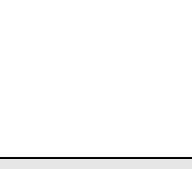








Note: Mind that there are two categories of Vandal Proof IP Camera:





- **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 / 5340 / 5340-E.

	GV-VD / EVD Series	GV-FD / EFD Series	GV-FE / FER Series	GV-SD Series	GV-BL Series	GV-BX-E Series/ GV-IP LPR Camera	GV-MFD Series	GV-MDR Series	GV-EFD / EDR Series
Standard Installation									
Ceiling	Hard Ceiling								
				 *GV-SD220 only					
	In-Ceiling								
	 *GV-VD Series (I) only	 *GV-FD Series only	 *GV-FER12203 is not supported						
Wall	Wall Mount			Wall Pendant	Wall Mount				
				 *Outdoor GV-SD Series only					
Ground	Ground Mount								
									
Power Box	Power Box Mount								
	 *GV-VD Series (I) only								

	GV-VD / EVD Series	GV-FD / EFD Series	GV-FE / FER Series	GV-SD 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		  			
	Straight Tube						
				  *Outdoor GV-SD Series only			
	Straight Tube Box						
				  *Outdoor GV-SD Series only			





	GV-VD / EVD Series	GV-FD / EFD Series	GV-FE / FER Series	GV-SD Series	GV-BL Series	GV-BX-E Series / GV-IP LPR Camera
Optional Installation						
Pole	Pole Mount					
				 *Outdoor GV-SD Series only		
						
	Pole Box Mount					
				 *Outdoor GV-SD Series only		

	GV-VD / EVD Series	GV-FD / EFD Series	GV-FE / FER Series	GV-SD Series	GV-BL Series	GV-BX-E Series / GV-IP LPR Camera
Optional Installation						
Corner	Convex Corner Mount					
				  *Outdoor GV-SD Series only		
						
Corner	Convex Corner Box Mount					
				  *Outdoor GV-SD Series only		
						
Corner	Concave Corner Mount					
				  *Outdoor GV-SD Series only		
						

	GV-VD / EVD Series	GV-FD / EFD Series	GV-FE / FER 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 is not supported.
	L-Shaped Wall Mount		Tilting Wall Mount	L-Shaped Wall Mount		
			 *GV-FER12203 is not supported			
	Wall Pendant Mount					
						
	Wall Box Mount					
 *GV-VD Series only						
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 this installation guide.

GV-BX Series	
Standard Installation	
Housing Box	
Optional Installation	
Housing Box	Convex Corner Mount
	
	Concave Corner Mount
	
	Pole Mount
	

Required Accessories

Look up the required 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.

Optional Installation Method		Required Accessories
Ceiling Mount		
Straight Tube Box Mount	GV-FD Series	GV-Mount100 + GV-Mount902
	GV-EFD2101 / 3101	GV-Mount100 + GV-Mount917
	GV-FE / FER Series	GV-Mount100 + GV-Mount903
	GV-SD220-S / 2300	GV-Mount100
	GV-SD2301 / 2411	GV-Mount102
	GV-VD Series (I)	GV-Mount100 + GV-Mount901
	GV-VD Series (II) GV-EVD Series	GV-Mount100 + GV-Mount903
Straight Tube Mount	GV-FD Series	GV-Mount101 + GV-Mount902
	GV-EFD2101 / 3101	GV-Mount101 + GV-Mount917
	GV-FE / FER Series	GV-Mount101 + GV-Mount903
	GV-SD220-S / 2300	GV-Mount101
	GV-SD2301 / 2411	GV-Mount103
	GV-VD Series (I)	GV-Mount101 + GV-Mount901
	GV-VD Series (II) GV-EVD Series	GV-Mount101 + GV-Mount903

Optional Installation Method		Required Accessories
Ceiling Mount		
In-Ceiling Mount	GV-VD Series (II)	GV-Mount914
	GV-EFD2101 / 3101	GV-Mount915
	GV-EVD Series	GV-Mount916
	GV-SD220	GV-Mount907
	GV-SD220-S / 2300	GV-Mount908
	GV-SD2301 / 2411	GV-Mount908-2
Corner Mount		
Convex Corner Mount	GV-BL Series	GV-Mount300
	GV-BX Series	GV-Mount300 + GV-Housing101
	GV-BX-E Series GV-IP LPR Camera	GV-Mount300
	GV-FD Series	GV-Mount300 + GV-Mount200 + GV-Mount902
	GV-EFD2101 / 3101	GV-Mount300 + GV-Mount200 + GV-Mount917
	GV-FE / FER Series	GV-Mount300 + GV-Mount200 + GV-Mount903
	Outdoor GV-SD Series	GV-Mount300
	GV-VD Series (I)	GV-Mount300 + GV-Mount900
		GV-Mount300 + GV-Mount200 + GV-Mount901
	GV-VD Series (II) GV-EVD Series	GV-Mount300 + GV-Mount900
GV-Mount300 + GV-Mount200 + GV-Mount903		
Convex Corner Box Mount	GV-FD Series	GV-Mount300 + GV-Mount203 + GV-Mount902
	GV-EFD2101 / 3101	GV-Mount300 + GV-Mount203 + GV-Mount917
	GV-FE / FER Series	GV-Mount300 + GV-Mount203 + GV-Mount903
	GV-SD220-S / 2300	GV-Mount300 + GV-Mount203
	GV-SD2301 / 2411	GV-Mount300 + GV-Mount501
	GV-VD Series (I)	GV-Mount300 + GV-Mount203 + GV-Mount901
	GV-VD Series (II) GV-EVD Series	GV-Mount300 + GV-Mount203 + GV-Mount903
Concave Corner Mount	GV-BL Series	GV-Mount310
	GV-BX Series	GV-Mount310 + GV-Housing101
	GV-BX-E Series GV-IP LPR Camera	GV-Mount310
	GV-FD Series	GV-Mount310 + GV-Mount200 + GV-Mount902
	GV-EFD2101 / 3101	GV-Mount310 + GV-Mount200 + GV-Mount917
	GV-FE / FER Series	GV-Mount310 + GV-Mount200 + GV-Mount903
	Outdoor GV-SD Series	GV-Mount310
	GV-VD Series (I)	GV-Mount310 + GV-Mount900
		GV-Mount310 + GV-Mount200 + GV-Mount901
	GV-VD Series (II) GV-EVD Series	GV-Mount310 + GV-Mount900
GV-Mount310 + GV-Mount200 + GV-Mount903		

Optional Installation Method		Required Accessories	
Pole Mount			
Pole Mount	Ø 4" ~ 6"	GV-BL Series	GV-Mount400
		GV-BX Series	GV-Mount400 + GV-Housing101
		GV-BX-E Series GV-IP LPR Camera	GV-Mount400
		GV-FD Series	GV-Mount400 + GV-Mount200 + GV-Mount902
		GV-EFD2101 / 3101	GV-Mount400 + GV-Mount200 + GV-Mount917
		GV-FE / FER Series	GV-Mount400 + GV-Mount200 + GV-Mount903
		Outdoor GV-SD Series	GV-Mount400
		GV-VD Series (I)	GV-Mount400 + GV-Mount900
			GV-Mount400 + GV-Mount200 + GV-Mount901
		GV-VD Series (II)	GV-Mount400 + GV-Mount900
	GV-Mount400 + GV-Mount200 + GV-Mount903		
	GV-EVD Series	GV-Mount400 + GV-Mount200 + GV-Mount903	
	Ø 6" ~ 7.5"	GV-BL Series	GV-Mount410
		GV-BX Series	GV-Mount410 + GV-Housing101
		GV-BX-E Series GV-IP LPR Camera	GV-Mount410
		GV-FD Series	GV-Mount410 + GV-Mount200 + GV-Mount902
		GV-EFD2101 / 3101	GV-Mount410 + GV-Mount200 + GV-Mount917
		GV-FE / FER Series	GV-Mount410 + GV-Mount200 + GV-Mount903
		Outdoor GV-SD Series	GV-Mount410
		GV-VD Series (I)	GV-Mount410 + GV-Mount900
GV-Mount410 + GV-Mount200 + GV-Mount901			
GV-VD Series (II)		GV-Mount410 + GV-Mount900	
	GV-Mount410 + GV-Mount200 + GV-Mount903		
GV-EVD Series	GV-Mount410 + GV-Mount200 + GV-Mount903		
Pole Box Mount	Ø 4" ~ 6"	GV-FD Series	GV-Mount400 + GV-Mount203 + GV-Mount902
		GV-EFD2101 / 3101	GV-Mount400 + GV-Mount203 + GV-Mount917
		GV-FE / FER Series	GV-Mount400 + GV-Mount203 + GV-Mount903
		GV-SD220-S / 2300	GV-Mount400 + GV-Mount203
		GV-SD2301 / 2411	GV-Mount400 + GV-Mount501
		GV-VD Series (I)	GV-Mount400 + GV-Mount203 + GV-Mount901
		GV-VD Series (II)	GV-Mount400 + GV-Mount203 + GV-Mount903
		GV-EVD Series	GV-Mount400 + GV-Mount200 + GV-Mount903

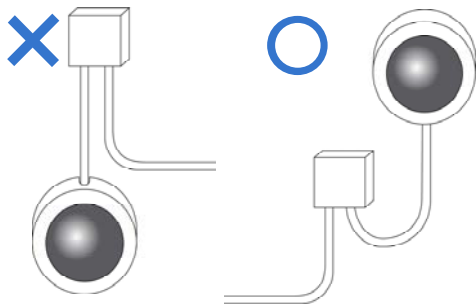
Optional Installation Method		Required Accessories	
Pole Mount			
Pole Box Mount	Ø 6" ~ 7.5"	GV-FD Series	GV-Mount410 + GV-Mount203 + GV-Mount902
		GV-EFD2101 / 3101	GV-Mount410 + GV-Mount203 + GV-Mount917
		GV-FE / FER Series	GV-Mount410 + GV-Mount203 + GV-Mount903
		GV-SD220-S / 2300	GV-Mount410 + GV-Mount203
		GV-SD2301 / 2411	GV-Mount410 + GV-Mount501
		GV-VD Series (I)	GV-Mount410 + GV-Mount203 + GV-Mount901
		GV-VD Series (II) GV-EVD Series	GV-Mount410 + GV-Mount203 + GV-Mount903
Wall Mount			
Wall Mount Bracket	GV-FD Series GV-FE/FER Series GV-VD Series (I)	GV-Mount205 *GV-FER12201 is not supported.	
	GV-VD Series (II) GV-EVD Series GV-FER12203	GV-Mount206	
	GV-MFD Series GV-MDR Series GV-EFD Series GV-EDR Series	GV-Mount918 *GV-EFD2101/3101 is not supported.	
L-Shaped Wall 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-EVD Series	GV-Mount900	
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	
Wall Pendant Mount	GV-FD Series	GV-Mount200 + GV-Mount902	
	GV-EFD2101 / 3101	GV-Mount200 + GV-Mount917	
	GV-FE / FER Series	GV-Mount200 + GV-Mount903	
	GV-VD Series (I)	GV-Mount200 + GV-Mount901	
	GV-VD Series (II) GV-EVD Series	GV-Mount200 + GV-Mount903	

Optional Installation Method		Required Accessories
Wall Mount		
Tilting Wall Mount	GV-FE / FER Series	GV-Mount904 *GV-FER12203 is not supported.
Power Box Mount		
Power Box Mount	GV-FE / FER Series	GV-Mount912
	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

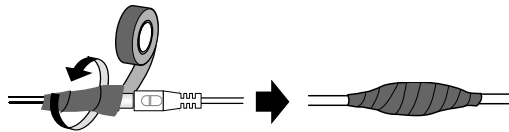
Note for Installing Camera Outdoor

When installing the camera outdoor, be sure that:

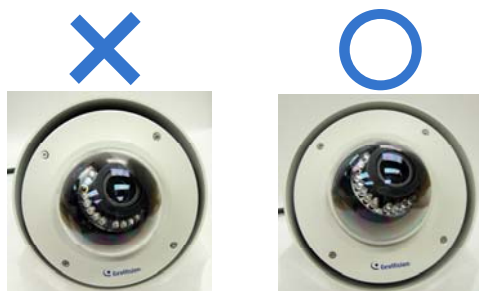
1. The camera is set up above the junction box to prevent water from entering the camera along the cables.



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



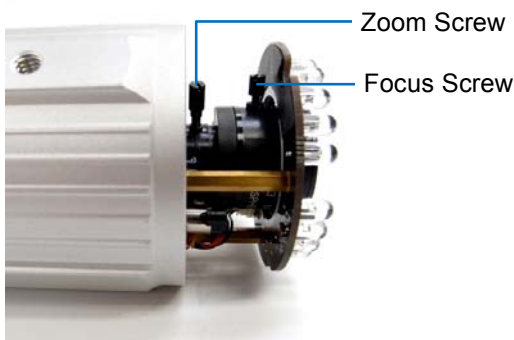
3. To prevent the lens from fogging up, ensure to replace the silica gel bag/desiccant pack every time you open the camera, and conceal the gel bag/desiccant pack in the camera within 2 minutes of exposing to open air. The silica gel bag/desiccant loses its effectiveness when the dry camera is opened.
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 your finger can do it. It is not necessary to use any tools to get them tighter. Doing so can damage the structure of lens.

For example,



Bullet Camera



Fixed IP Dome

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

Note for Supported Power Box Types

The supported power box types and required accessory 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-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		✓		✓



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-LPC2211 / LPC2011**, see *Chapter 7 Installing the Bullet / Target Bullet / LPR Camera* for installation instructions.



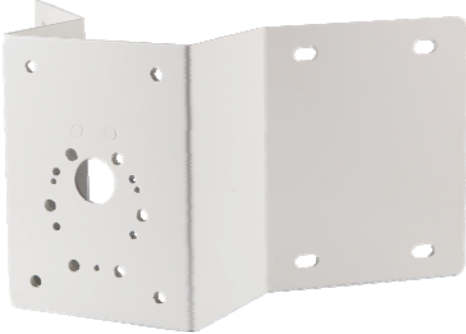
For **GV-LPC1100 / LPC1200 / LPR1200 / LPC2210**, see *Chapter 9 Installing the Arctic Box / IP LPR Camera* for installation instructions.





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	Straight Tube Mount 	Dimensions 219 x 125 x 340 mm / 8.6 x 4.9 x 13.4 in Weight 2.2 kg / 4.9 lb
GV-Mount200	Wall Pendant Tube 	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 Pendant Tube and Junction Box Kit 	Dimensions 315 x 195.5 x 225 mm / 12.4 x 7.7 x 8.9 in Weight 2.95 kg / 6.5 lb


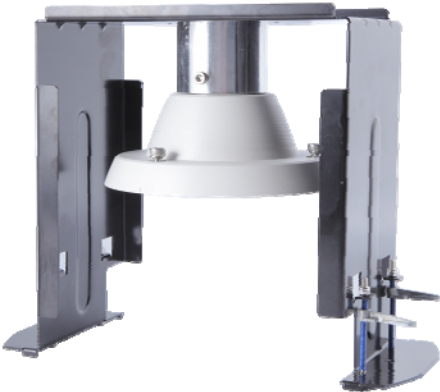
Model No.	Name	Details
GV-Mount205	Wall Mount Bracket Kit 	Dimensions 126.5 x 203 x 160 mm / 5 x 8 x 6.3 in (L x W x diameter)
		Weight 0.5 kg / 1.1 lb
GV-Mount206	Wall Mount Bracket Kit 	Dimensions 126.5 x 211.3 x 176.85 mm / 5 x 8.3 x 6.96 in (L x W x diameter)
		Weight 0.93 kg / 2.06 lb
GV-Mount300	Convex Corner Adapter Kit 	Dimensions 238.6 x 409.5 mm / 9.4 x 16.1 in
		Weight 4.27 kg / 9.41 lb




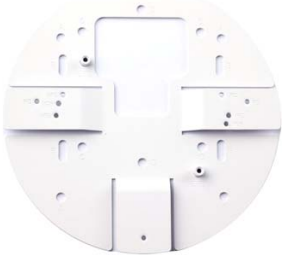
Model No.	Name	Details
GV-Mount310	Concave Corner Adapter Kit 	Dimensions 123.3 x 393.1 mm / 4.9 x 15.5 in Weight 2.96 kg / 6.53 lb
GV-Mount400	Pole Mount Bracket Kit (Ø4 ~ 6 in) 	Dimensions (Bracket) 241 x 161 mm / 9.5 x 6.3 in Steel Strap Diameter Ø4 ~ 6 in Weight 1.70 kg / 3.75 lb
GV-Mount410	Pole Mount Bracket Kit (Ø6 ~ 7.5 in) 	Dimensions (Bracket) 241 x 161 mm / 9.5 x 6.3 in Steel Strap Diameter Ø6 ~ 7.5 in Weight 1.70 kg / 3.75 lb
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

Model No.	Name	Details
GV-Mount702	<p>Extension Tube</p> 	<p>Four options are available.</p> <p>Dimensions Ø5.4 x 10 or 20 or 30 or 50 cm Ø2.1 x 3.9 / 7.9 / 11.8 / 19.7 in</p> <p>Weight 180 g / 0.4 lb 390 g / 0.86 lb 550 g / 1.21lb 800 g / 1.76 lb</p>
GV-Mount900	<p>Wall Mount Bracket</p> 	<p>Dimensions 154 x 108 x 50 mm / 6.1 x 4.3 x 2 in</p> <p>Weight 240 g / 0.53 lb</p>
GV-Mount901	<p>Dome Housing</p> 	<p>Dimensions Ø186 x 165.35 mm / Ø7.3 x 6.51 in</p> <p>Weight: 690 g / 1.52 lb</p>

Model No.	Name	Details
GV-Mount902	GV-FD Series Dome Housing 	Dimensions Ø186 x 165.35 mm / Ø7.3 x 6.51 in <hr/> Weight 700 g / 1.54 lb
GV-Mount903	Dome Housing 	Dimensions Ø185.51 x 165.35 mm / 7.3 x 6.51 in <hr/> Weight 714 g / 1.57 lb

Model No.	Name	Details
GV-Mount904	<p data-bbox="427 324 802 353">Tilting Wall Mount Bracket</p> 	<p data-bbox="959 324 1129 353">Dimensions</p> <p data-bbox="959 360 1230 389">Ø159.1 x 40.5 mm /</p> <p data-bbox="959 396 1134 425">Ø 6.3 x 1.6 in</p> <hr/> <p data-bbox="959 454 1177 483">Tilt angle: 0-20°</p>
GV-Mount907	<p data-bbox="427 1019 802 1093">In-Ceiling Mounting Kit for GV-SD220 IP Speed Dome</p> 	<p data-bbox="959 1019 1129 1048">Dimensions</p> <p data-bbox="959 1055 1230 1084">Ø230 x 153.49 mm /</p> <p data-bbox="959 1090 1161 1120">Ø9.08 x 6.05 in</p> <hr/> <p data-bbox="959 1149 1066 1178">Weight</p> <p data-bbox="959 1184 1171 1214">0.87 kg / 1.91 lb</p>

Model No.	Name	Details
GV-Mount908	In-Ceiling Mounting Kit for GV-SD220-S IP Speed Dome 	<p>Dimensions Mounting plate: 227 x 286 mm / 8.9 x 11.3 in</p> <p>Weight 2.05 kg / 4.5 lb</p>
GV-Mount908-2	In-Ceiling Mounting Kit for GV-SD2301 and GV-SD2411 	<p>Dimensions Mounting plate: 205 x 128 x 227 mm / 8.1 x 5 x 8.9 in</p> <p>Weight 3.0 kg / 6.6 lb</p>

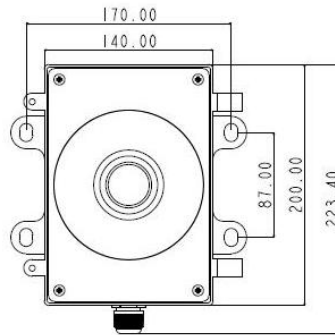
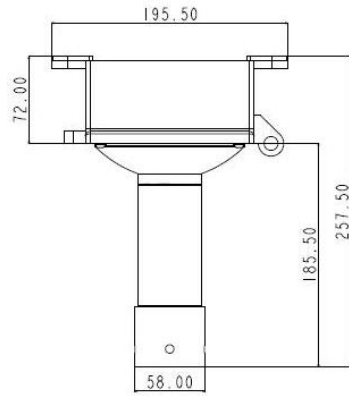
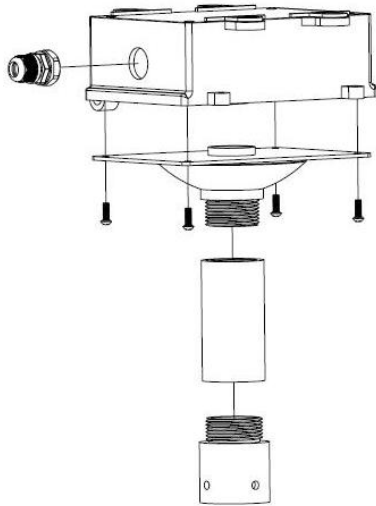
Model No.	Name	Details
GV-Mount909	Wall Box Mount Bracket 	Dimensions 170 x 150 x 110 mm / 6.7 x 5.9 x 4.3 in Weight 610 g / 1.34 lb
GV-Mount910	Power Box Mount Bracket 	Dimensions 112 x 98 x 7.5 mm / 4.4 x 3.9 x 0.3 in Weight 105 g / 0.23 lb
GV-Mount912	Power Box Mount Bracket 	Dimensions Ø146 x 10.5 mm / 5.7 x 0.4 in Weight 180 g / 0.4 lb
GV-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 / 8.74 x 3.39 in Weight 705 g / 1.55 lb
GV-Mount915	In-Ceiling Mounting Kit for GV-EFD2101 / 3101 	Dimensions Ø172.5 x 63.8 mm / 7.04 x 2.5 in Weight 424 g / 0.935 lb
GV-Mount916	In-Ceiling Mounting Kit for GV-EVD2100 / 3100 	Dimensions Ø205 x 63.8 mm / 8 x 2.5 in Weight 645 g / 1.42 lb
GV-Mount917	GV-EFD2101 / 3101 Dome Housing 	Dimensions Ø186 x 97.5 mm / 7.3 x 3.8 in Weight 948 g / 2.09 lb

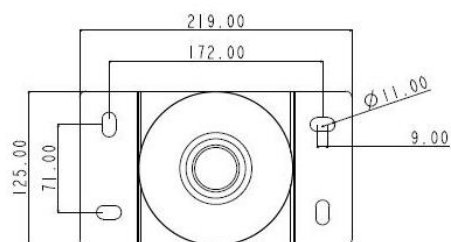
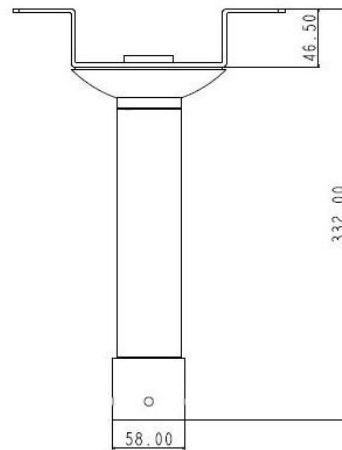
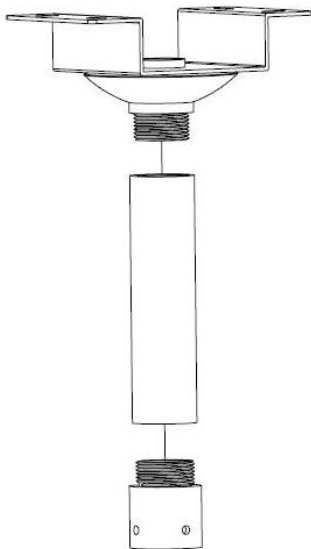
Model No.	Name	Details
GV-Mount918	Wall Mount Bracket 	Dimensions 145 x 117 x 96 mm / 5.71 x 4.60 x 3.78 in Weight 350 g / 0.77 lb
GV-Housing101	Housing Box 	Dimensions 406 x 145 x 109 mm / 16 x 5.7 x 4.3 in Weight 4.69 kg / 10.34 lb (Including Supporting Tube) Operation Ingress Protection (IP67) Vandal 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

1.2 Dimensions

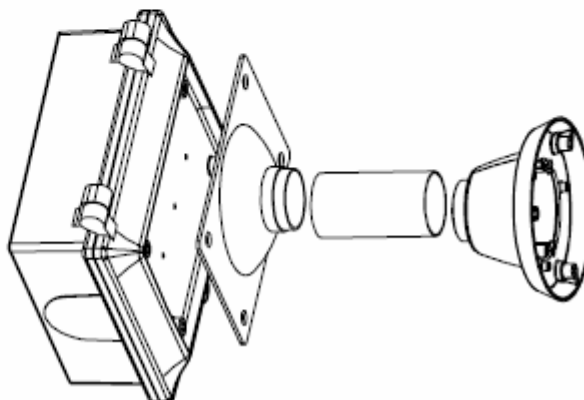
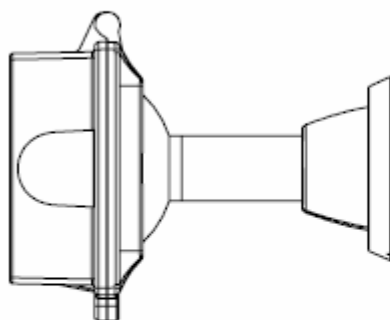
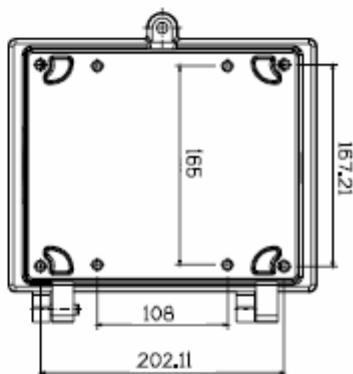
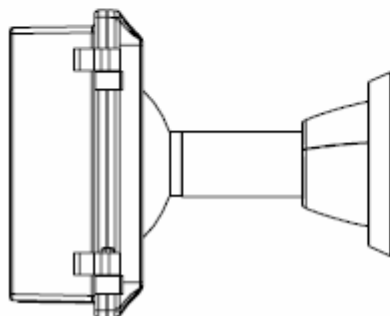
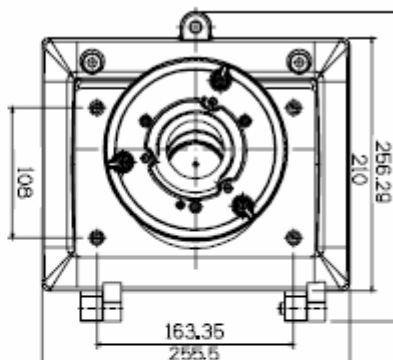
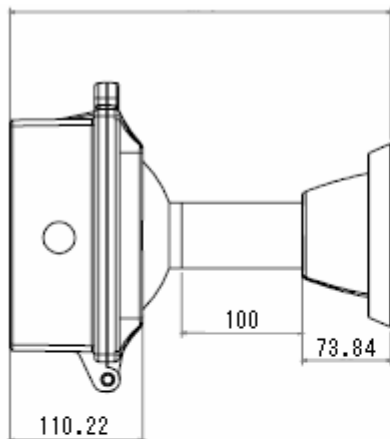
- **GV-Mount100**



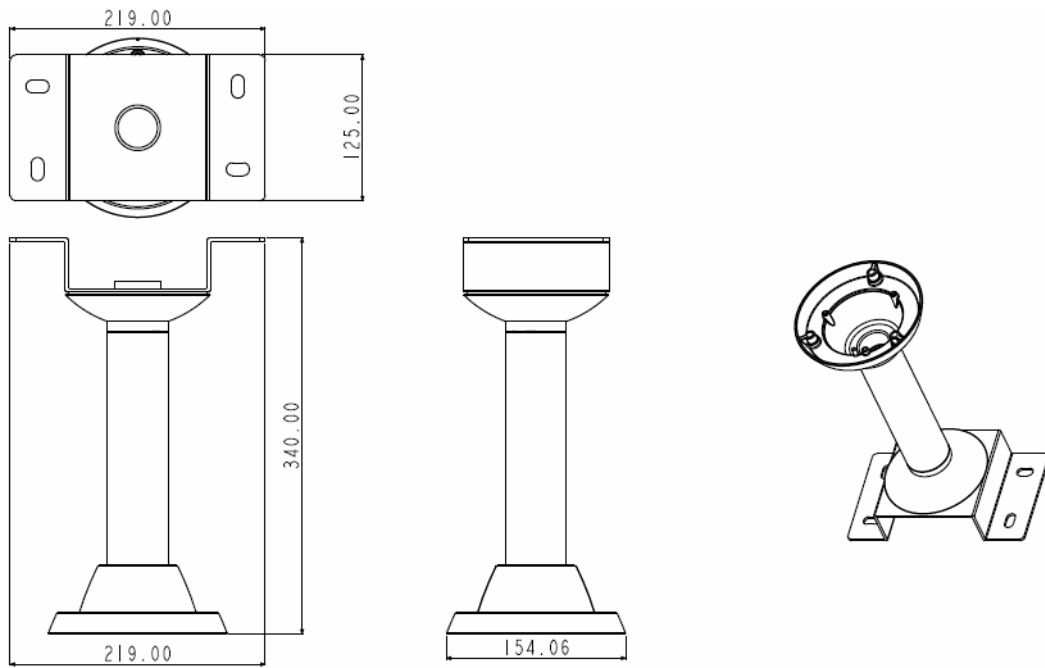
- **GV-Mount101**



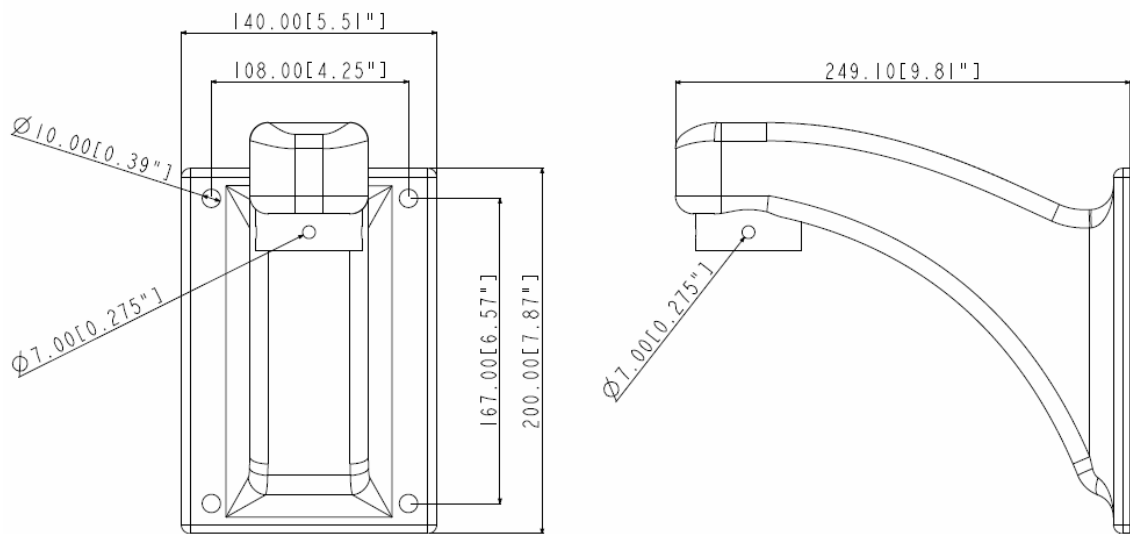
• GV-Mount102



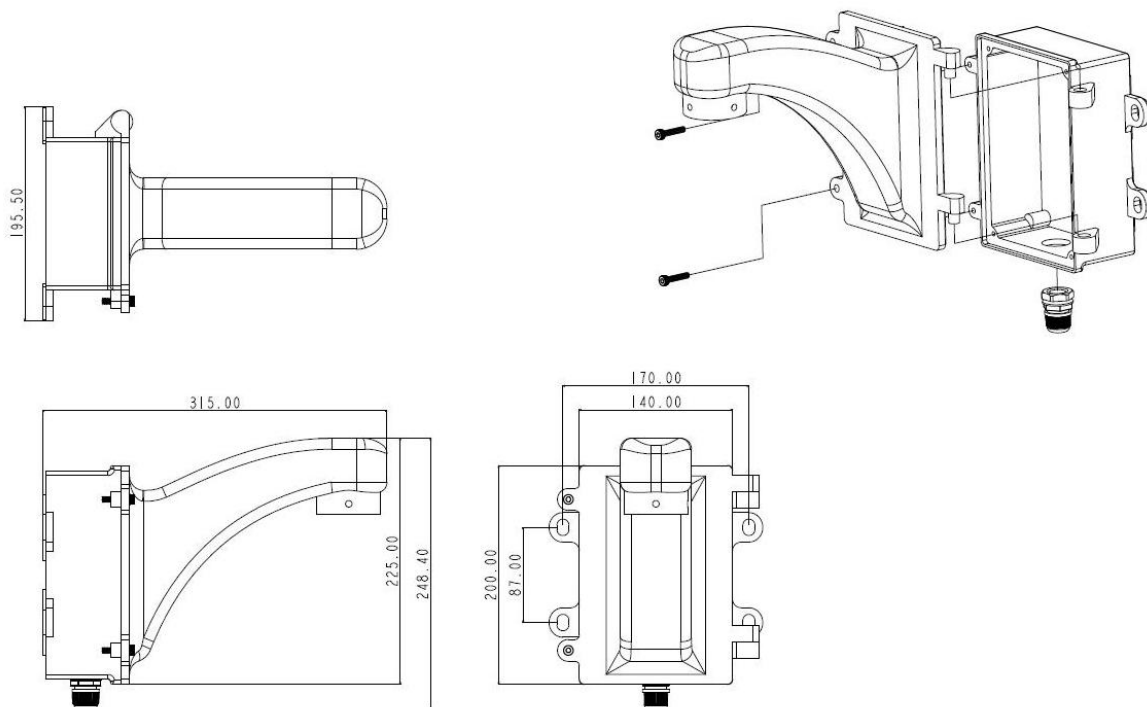
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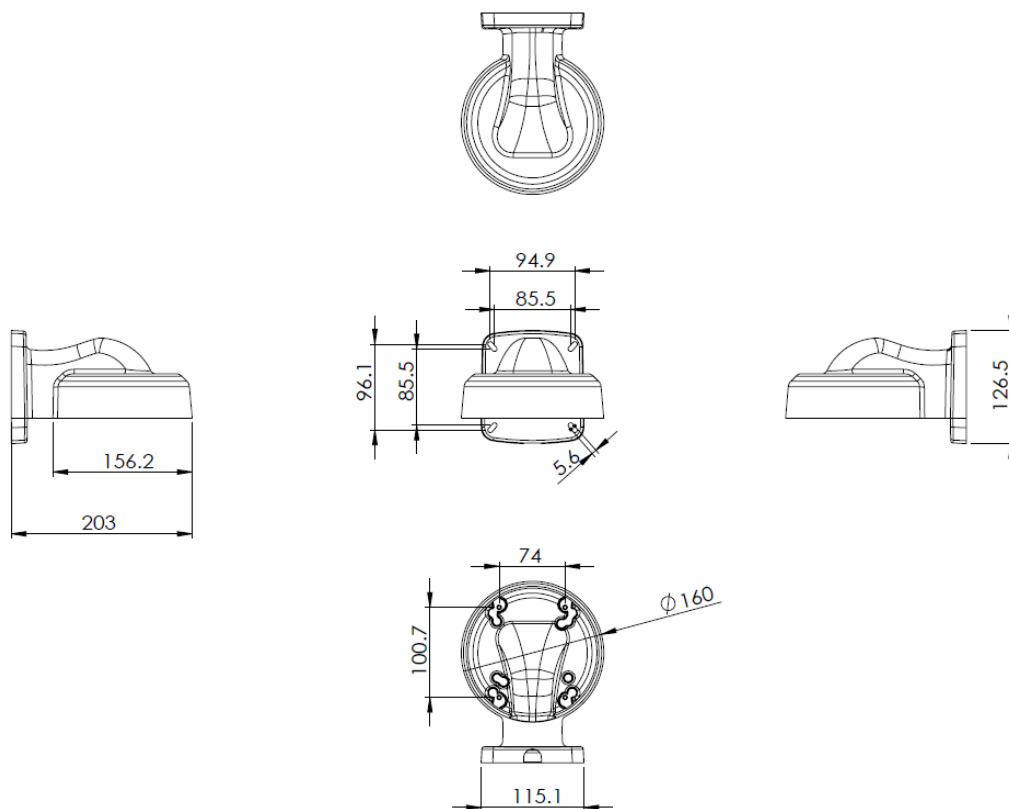
• **GV-Mount200**



• **GV-Mount203**

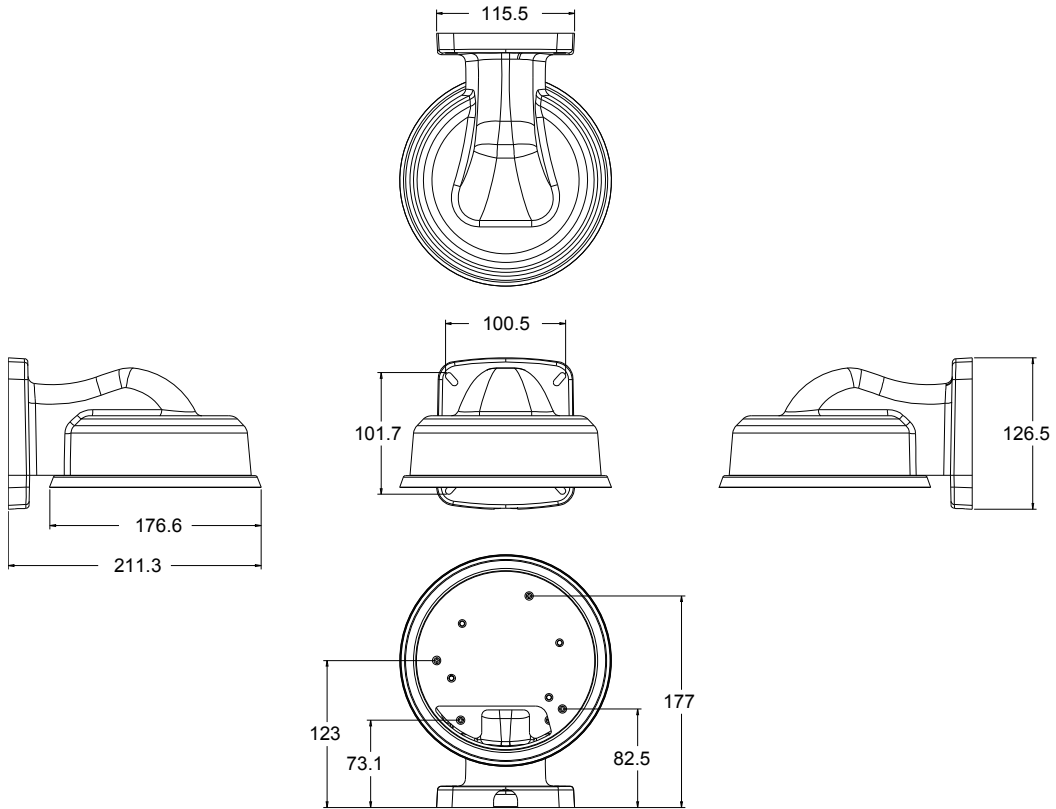


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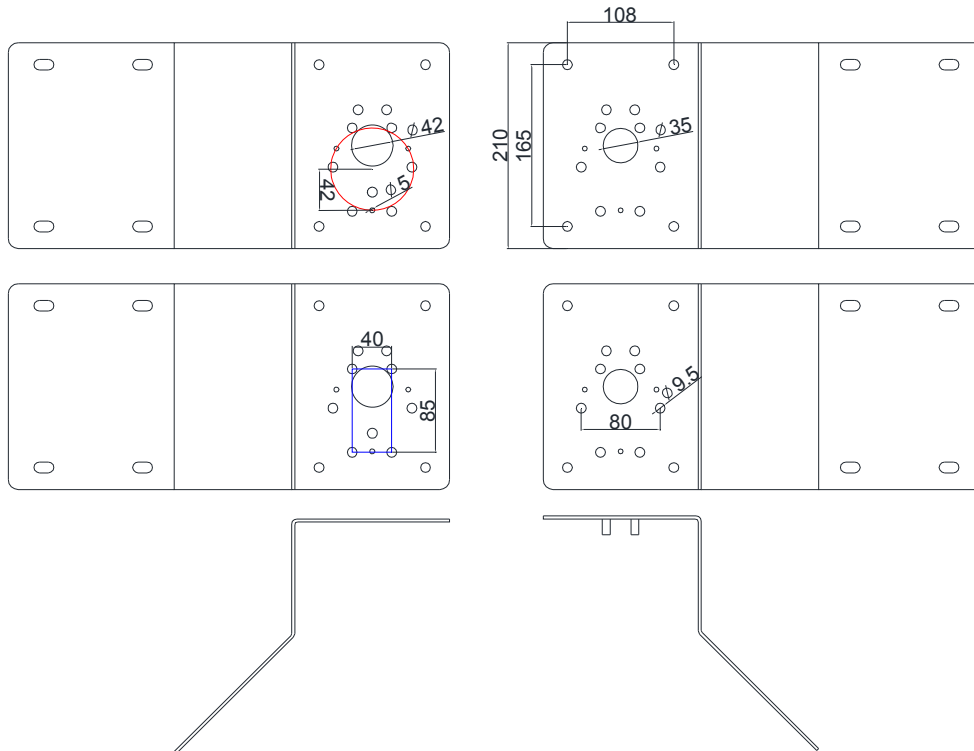


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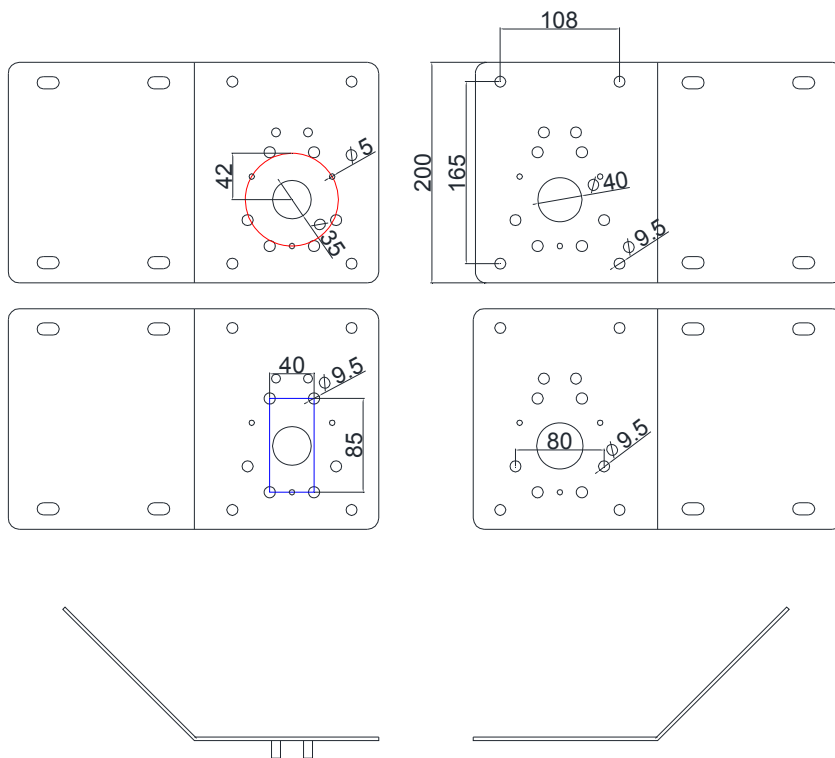
- GV-Mount206**



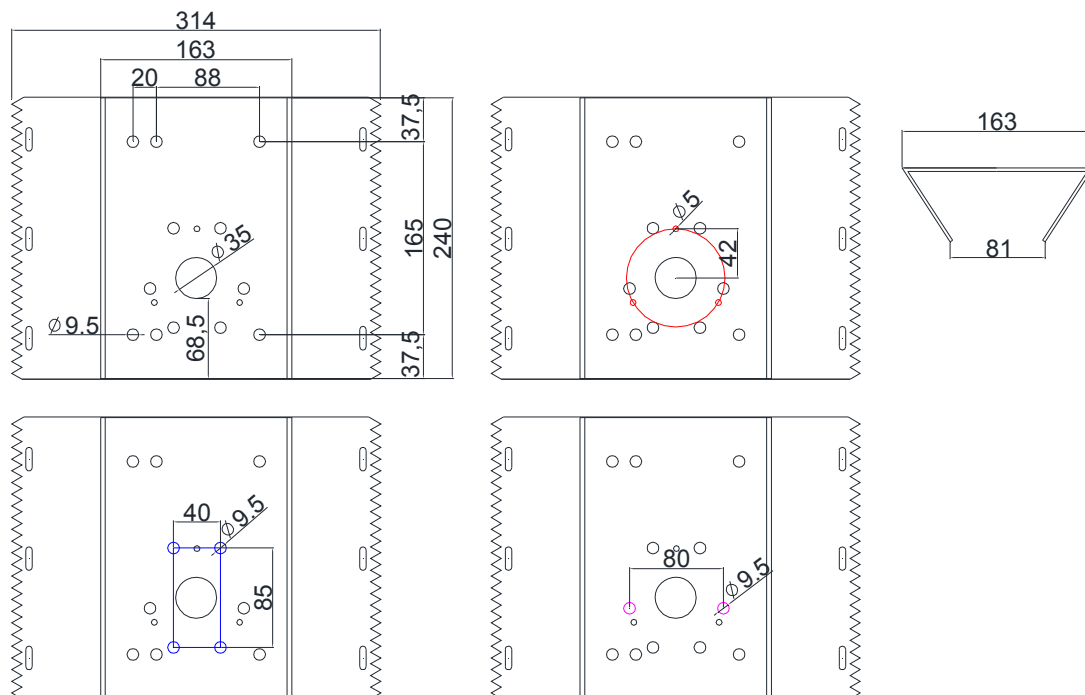
- GV-Mount300**



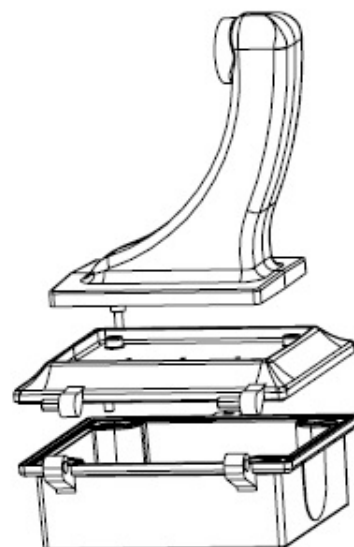
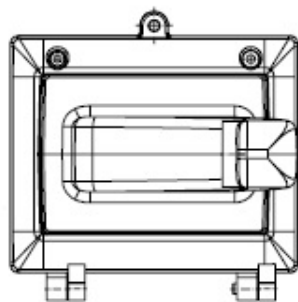
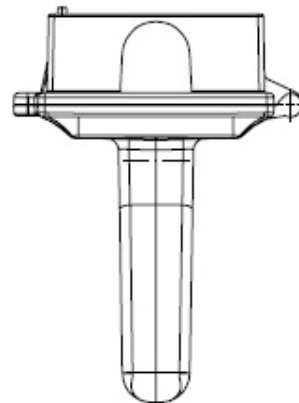
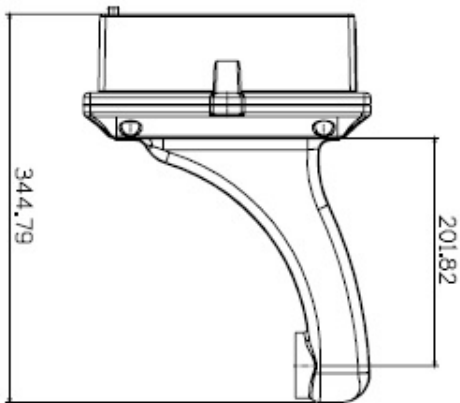
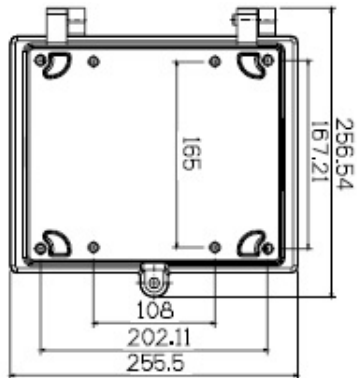
• **GV-Mount310**



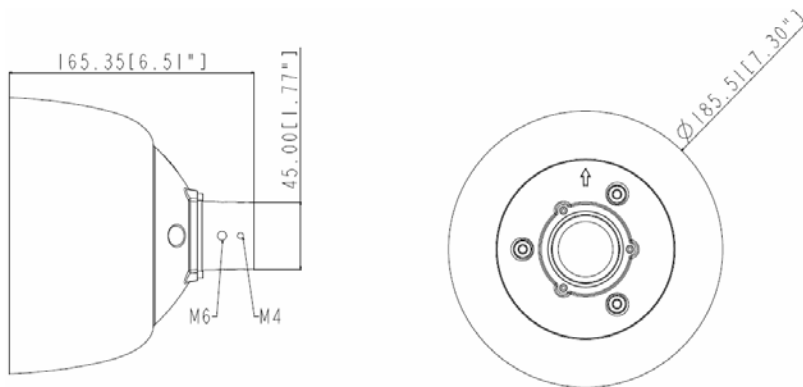
• **GV-Mount400 / GV-Mount410**



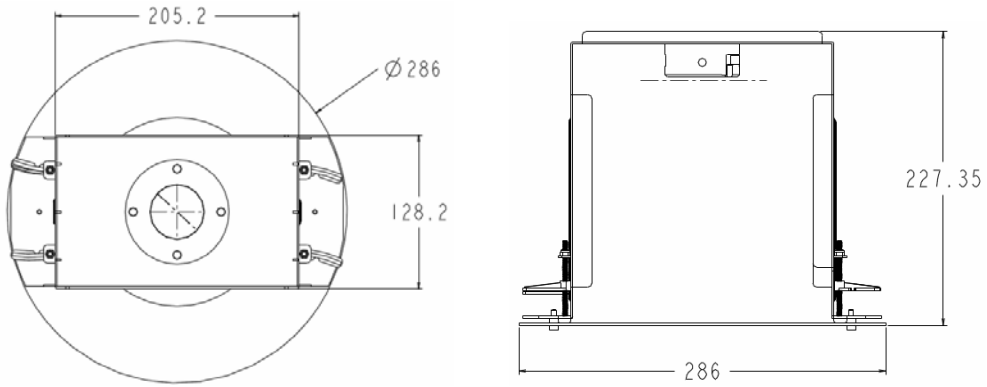
- **GV-Mount501**



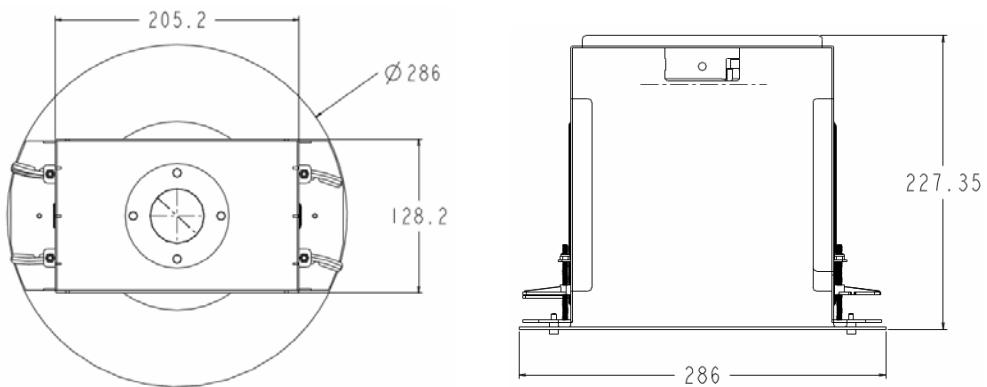
- **GV-Mount901 / Mount902 / Mount903 / Mount917**



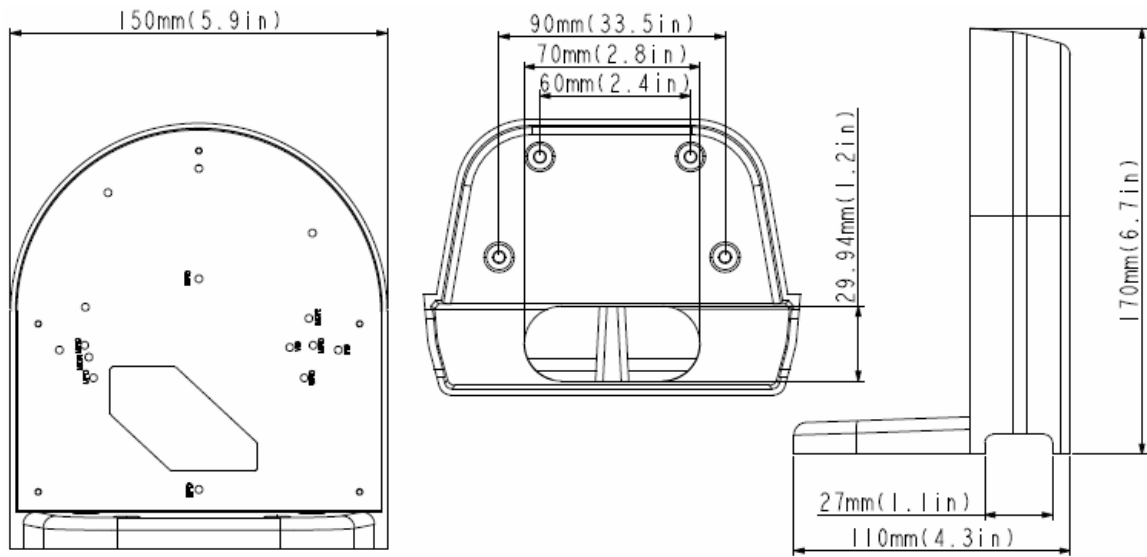
- **GV-Mount908**



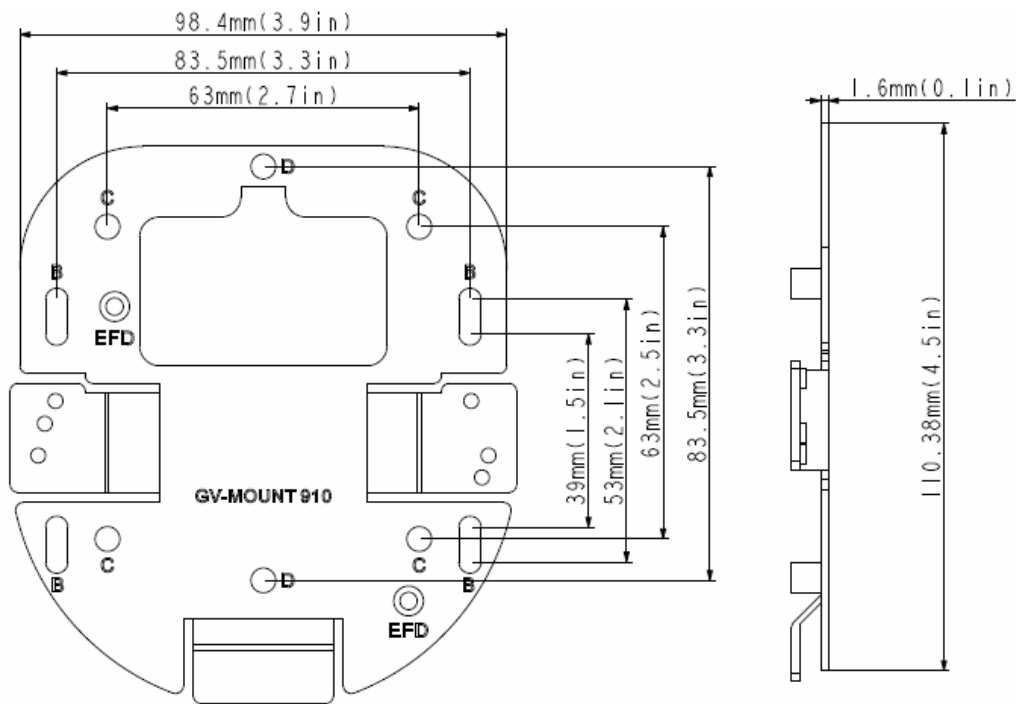
- **GV-Mount908-2**



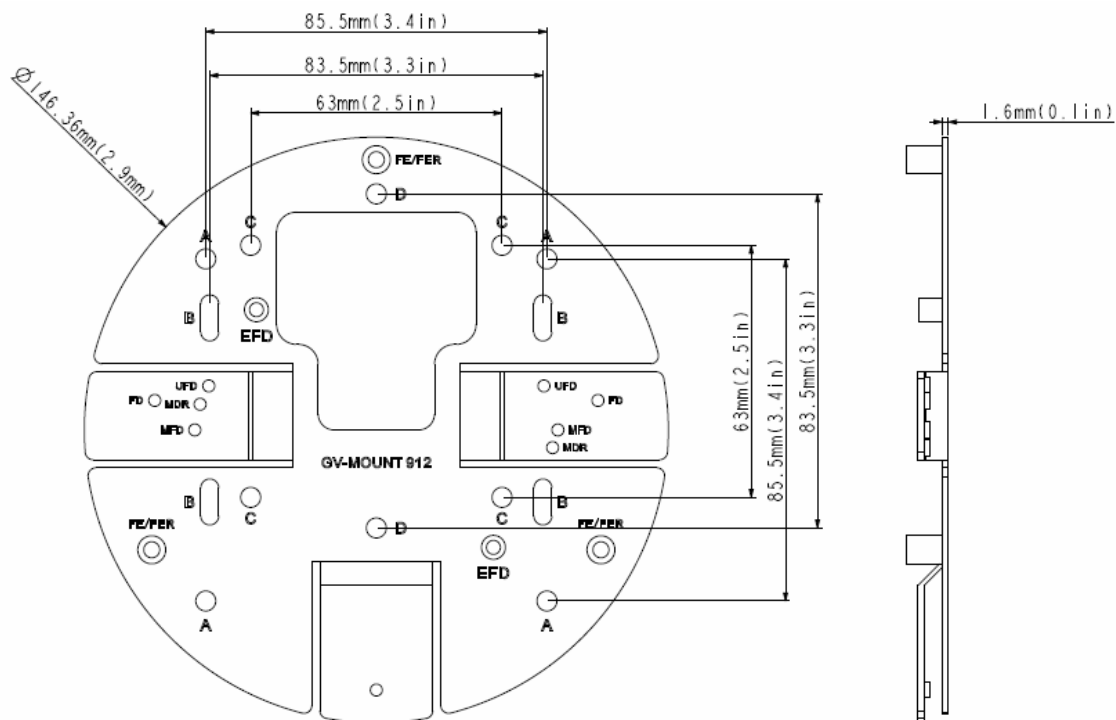
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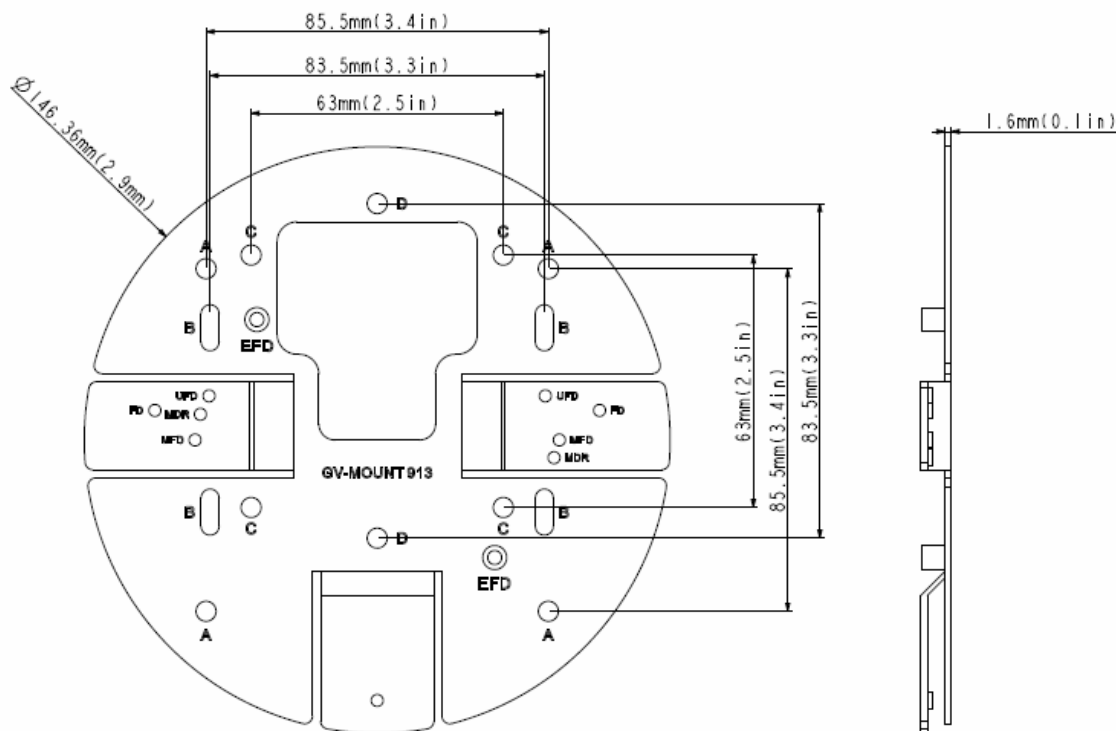
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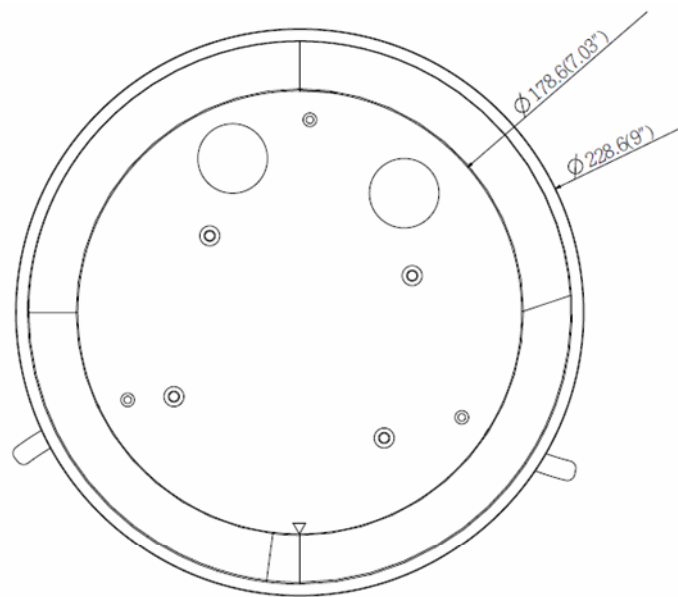
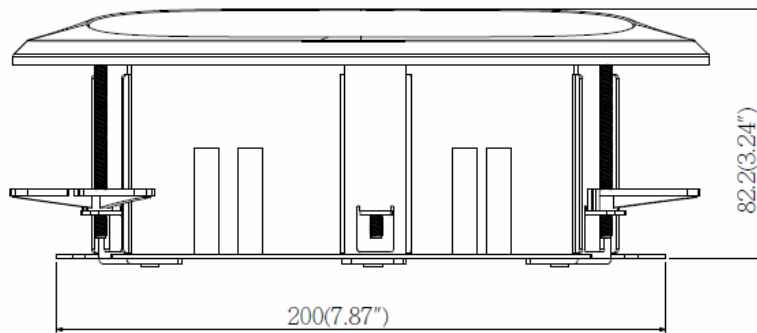
• **GV-Mount912**



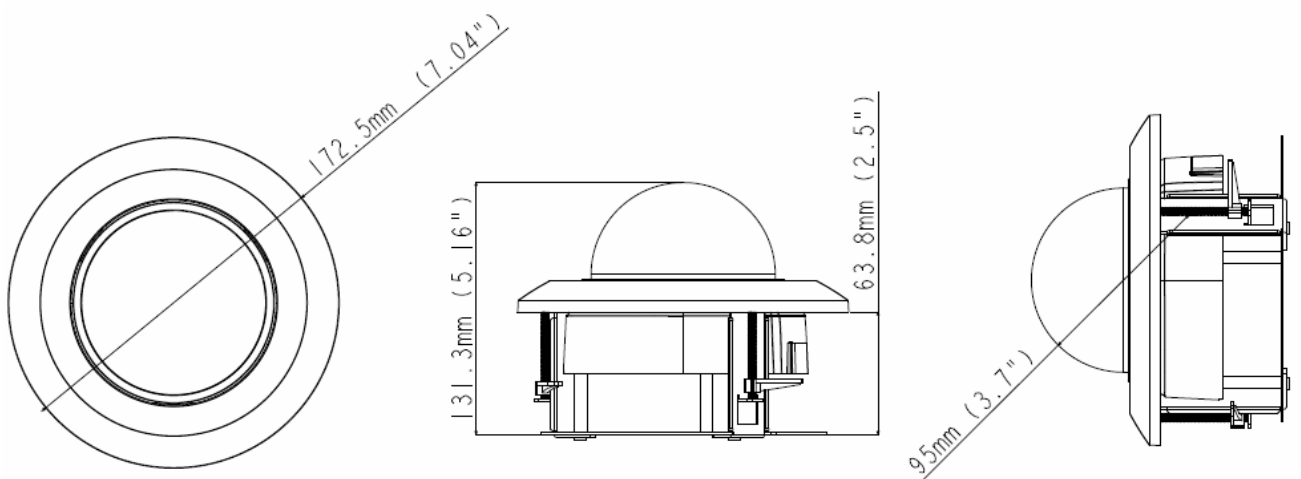
• **GV-Mount913**



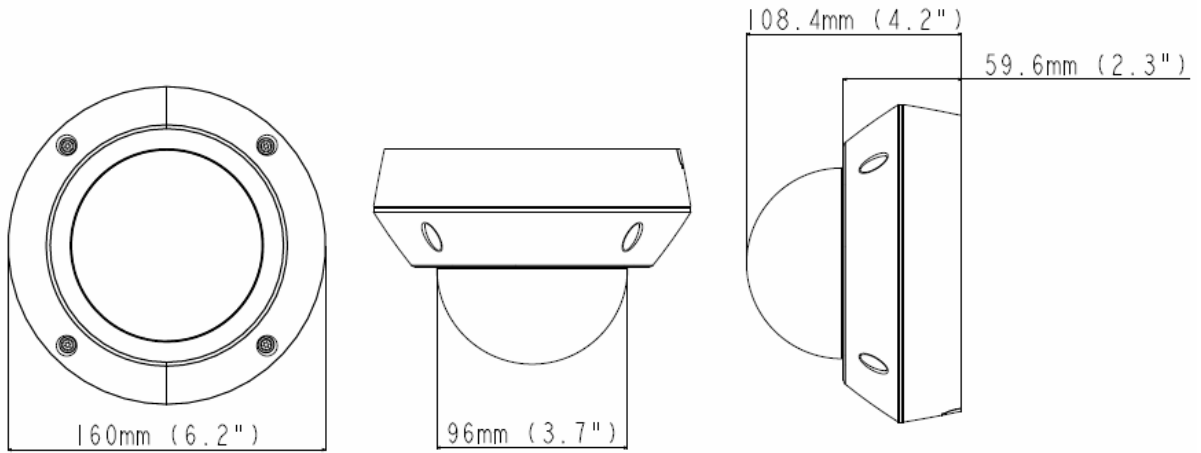
- **GV-Mount914**



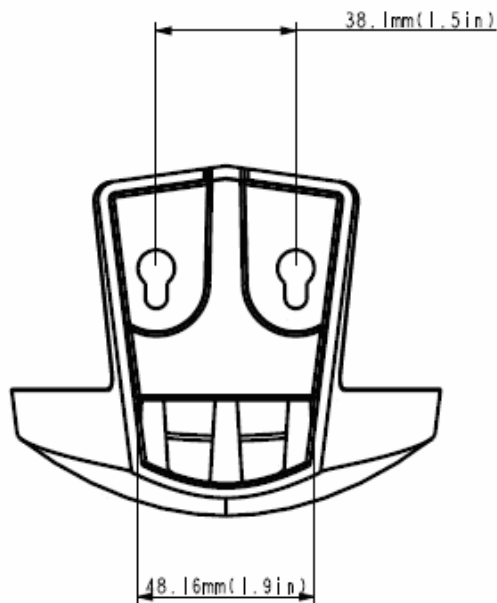
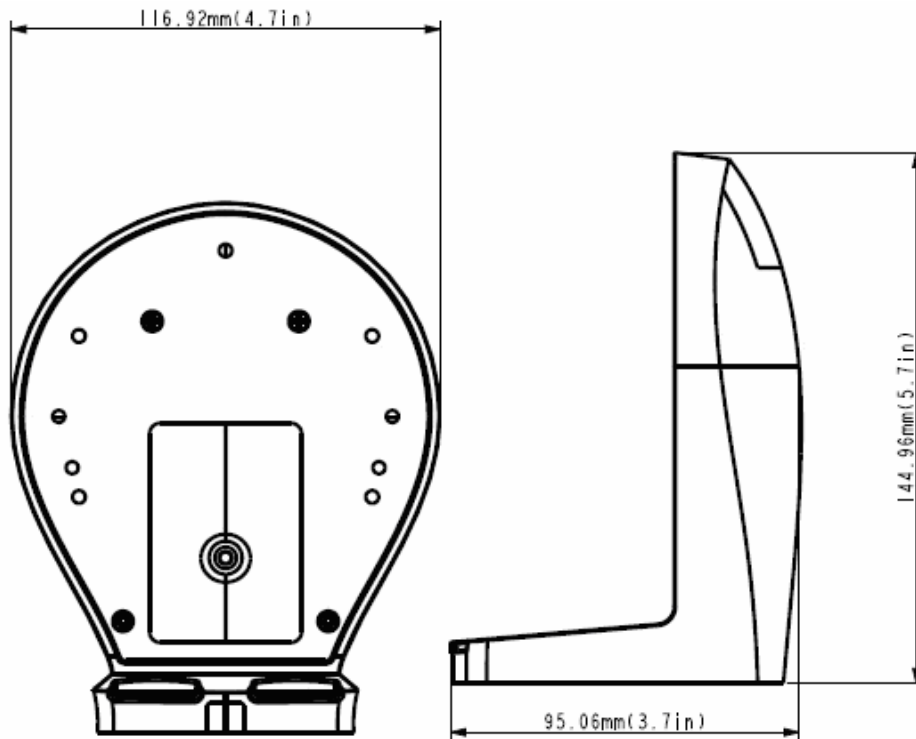
- **GV-Mount915**



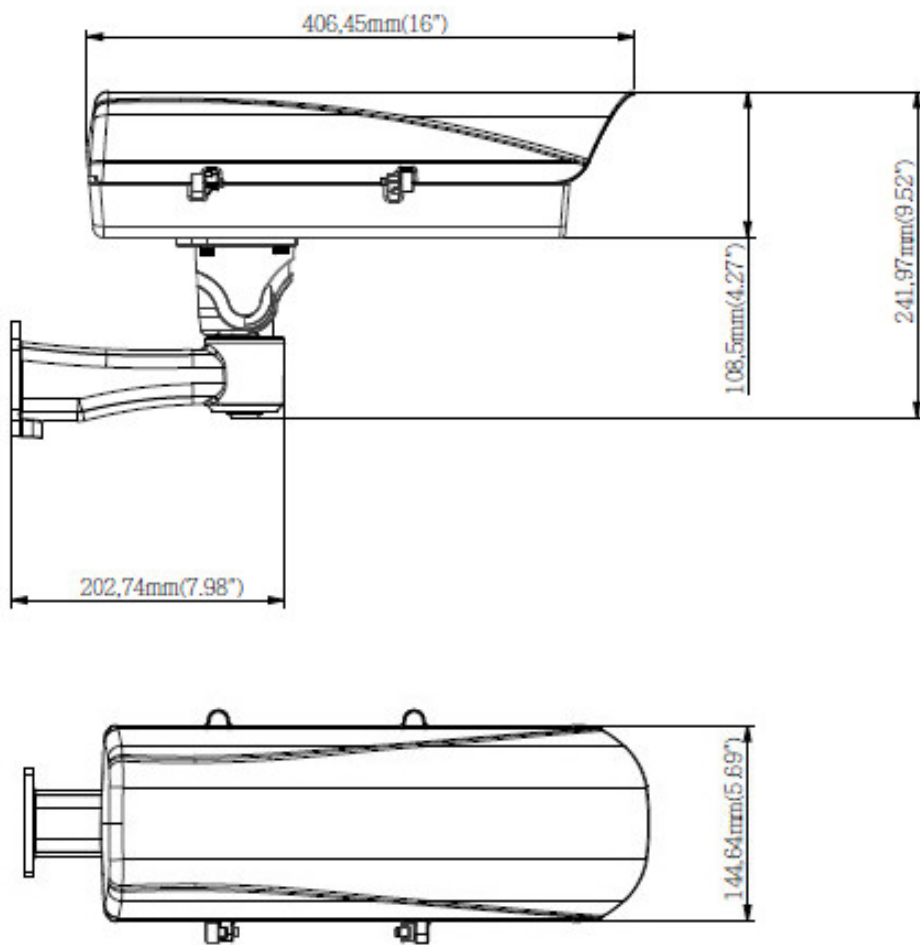
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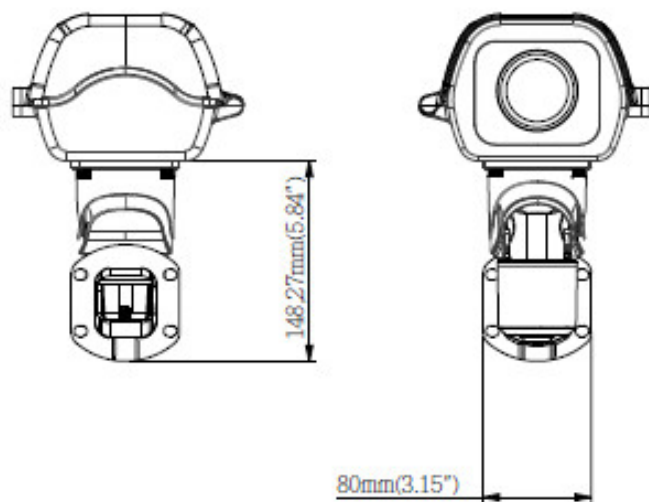
- GV-Mount918



- GV-Housing101










Supporting Tube







1.3 Packing Lists




- **GV-Mount100**

<p>1. Junction Box</p> 	<p>2. Box Cover</p> 
<p>3. Tube</p> 	<p>4. Tube Connector</p> 
<p>5. M5 Flat Screw x 4</p> 	<p>6. Corrugated Tube Connector</p> 
<p>7. No. 2 Torx Wrench</p> 	


- **GV-Mount101**

<p>1. Mounting Bracket</p> 	<p>2. Tube</p> 
<p>3. Tube Connector</p> 	<p>4. No. 2 Torx Wrench</p> 

- **GV-Mount102**

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

• **GV-Mount103**

<p>1. Mounting Bracket</p> 	<p>2. Mounting Cap</p> 
<p>3. Tube</p> 	<p>4. No. 2 Torx Wrench</p> 

• **GV-Mount200**





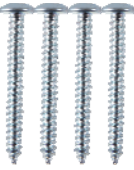



1. Wall Pendant Tube



• **GV-Mount203**

<p>1. Junction Box</p> 	<p>2. Wall Pendant Tube</p> 
<p>3. M5 Screw x 2</p> 	<p>4. Corrugated Tube Connector</p> 
<p>5. No.5 Torx Wrench</p> 	

- **GV-Mount205**

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

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.

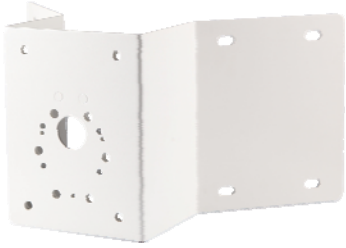










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- **GV-Mount206**










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

Note: Installation of GV-Mount206 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-Mount300**

<p>1. Mounting Plate x 2</p> 	<p>2. M8 Screw (30 mm) x 4</p> 
<p>3. M8 Screw (25 mm) x 4</p> 	<p>4. M8 Plain Washer x 6</p> 
<p>5. M8 Split Washer x 6</p> 	<p>6. M8 Screw Cap x 6</p> 
<p>7. M5 Screw (20 mm) x 4</p> 	<p>8. M5 Plain Washer x 4</p> 
<p>9. M5 Split Washer x 4</p> 	<p>10. M5 Screw Cap x 4</p> 
<p>11. M8 Screw (45 mm) x 4 for GV-SD2301</p> 	








• **GV-Mount310**

<p>1. Mounting Plate x 2</p> 	<p>2. M8 Screw (30 mm) x 4</p> 
<p>3. M8 Plain Washer x 6</p> 	<p>4. M8 Split Washer x 6</p> 
<p>5. M8 Screw Cap x 6</p> 	<p>6. M5 Screw (20 mm) x 4</p> 
<p>7. M5 Plain Washer x 4</p> 	<p>8. M5 Split Washer x 4</p> 
<p>9. M5 Screw Cap x 4</p> 	<p>10. M8 Screw (45 mm) x 4 for GV-SD2301</p> 









• **GV-Mount400**

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

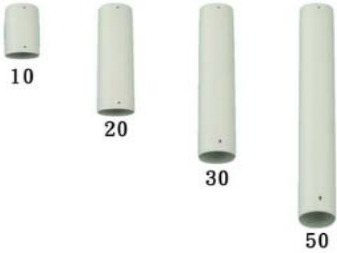

- **GV-Mount410**

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






• **GV-Mount501**

<p>1. Junction Box</p>  A square metal junction box with a dark interior and four mounting tabs on the corners.	<p>2. Box Cover</p>  A white metal box cover with a central circular hole and four mounting tabs on the corners.
<p>3. Supporting Plate</p>  A rectangular metal supporting plate with four mounting holes and four tabs on the corners.	<p>4. M8 (30 mm) Screw x 4</p>  Four silver-colored M8 screws with a length of 30 mm, arranged in a row.
<p>5. M8 (20 mm) Screw x 4</p>  Four silver-colored M8 screws with a length of 20 mm, arranged in a row.	<p>6. Waterproof Rubber</p>  A circular grey waterproof rubber gasket with three small circular holes in the center.
<p>7. No. 5 Torx Wrench</p>  A silver-colored No. 5 Torx wrench.	<p>8. No. 6 Torx Wrench</p>  A silver-colored No. 6 Torx wrench.
<p>9. Back-up pad</p>  A circular grey back-up pad with a central hole.	

- **GV-Mount702**

<p>1. Extension Tube</p> 	<p>2. Extension Tube Connector</p> 
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- **GV-Mount900**

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

- **GV-Mount901**

<p>1. Dome Housing</p> 	<p>2. Housing Cap</p> 
<p>3. M4 Screw x 4</p> 	<p>4. M6 Screw x 7</p> 






• **GV-Mount902**

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







• **GV-Mount903**

<p>1. Dome Housing</p> 	<p>2. Housing Cap</p> 
<p>3. M4 Screw x 4</p> 	<p>4. M6 Screw x 7</p> 
<p>5. Camera Pier x 3</p> 	<p>6. Flat M4 Screw x 3</p> 

- **GV-Mount904**

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

• **GV-Mount907**

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

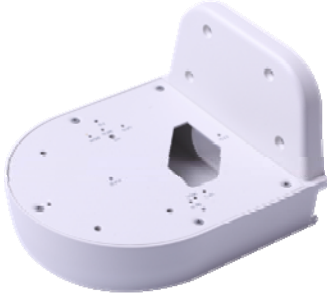




- **GV-Mount908**

<p>1. Housing Cap x 1</p> 	<p>2. Mounting Plate x 1</p> 
<p>3. Screw x 4</p> 	<p>4. M6 Screw x 4</p> 
<p>5. Hex key x 1</p> 	<p>6. Installation Sticker x 1</p>
<p>7. In-ceiling cover x 1</p> 	<p>8. M4 Screw x 2</p> 



• **GV-Mount908-2**

<p>1. Housing Cap x 1</p> 	<p>2. Mounting Plate x 1</p> 
<p>3. Mounting Cap</p> 	<p>4. In-ceiling cover x 1</p> 
<p>5. Screw x 4</p> 	<p>6. M5 Screw x 2</p> 
<p>7. Hex key x 1</p> 	<p>8. M4 Screw x 2</p> 
<p>9. Installation Sticker x 1</p>	



- **GV-Mount909**

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



- **GV-Mount910**

<p>1. Mounting Plate x 1</p> 	<p>2. M3 Screw (8 mm) x 4</p> 
--	---




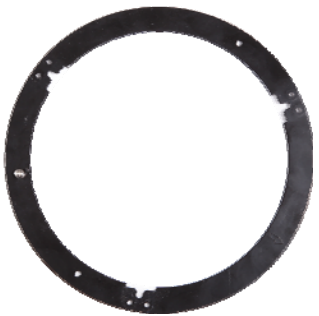




- **GV-Mount912**

<p>1. Mounting Plate x 1</p> 	<p>2. M3 Screw (8 mm) x 4</p> 
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- **GV-Mount913**

<p>1. Mounting Plate x 1</p> 	<p>2. M3 Screw (8 mm) x 4</p> 
--	---




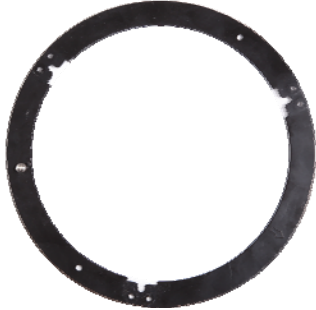



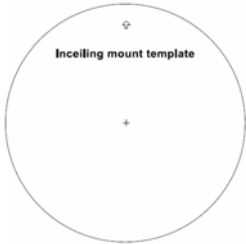
- **GV-Mount914**

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

• **GV-Mount915**

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






• **GV-Mount916**

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

• **GV-Mount917**










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

• **GV-Mount918**

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

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.

- **GV-Housing101**

<p>1. Housing Box x 1</p> 	<p>2. Supporting Tube x 1</p> 
<p>3. Screw Anchor x 4</p> 	<p>4. M5 Screw (35 mm) x 4</p> 
<p>5. Short Screw x 1</p> 	<p>6. M5 Plain Washer (7 mm) x 4</p> 
<p>7. M5 Plain Washer (16 mm) x 1</p> 	<p>8. Torx Wrench x 1</p> 
<p>9. Silica Gel Bag x 1</p> 	<p>10. Sticker (for Silica Gel Bag) x 1</p>

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-Mount901
-

1. Unpack the camera body.

A.



B.



C.



D.



2. Secure the back cover to the dome housing (GV-Mount901, No. 1) with M4 screws (GV-Mount901, No. 3).



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



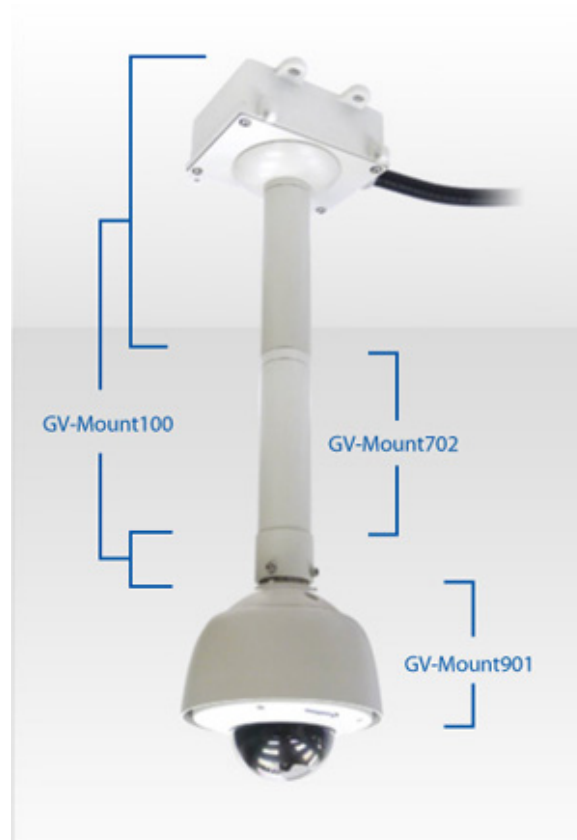
2 Installing the Vandal Proof IP Dome (Part I)

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-Mount901, No. 2) and secure with M6 screws (GV-Mount901, No. 4).

2.2 Straight Tube Box Mount



Required accessories:

- GV-Mount100
- GV-Mount901

The user needs to prepare:

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



Optionally extend with:

- GV-Mount702
-

2 Installing the Vandal Proof IP Dome (Part I)

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-Mount901, No. 2) with M6 screws (GV-Mount901, 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.

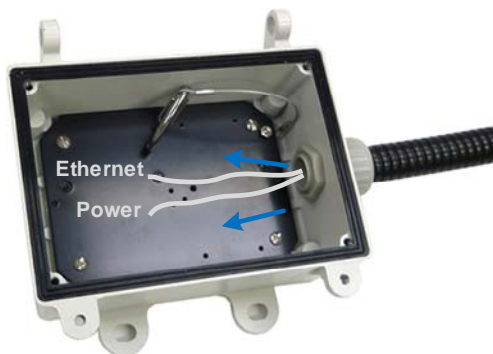


- B. Slide part A and part B to the self-prepared corrugated tube.



- C. Screw part C to the tube.

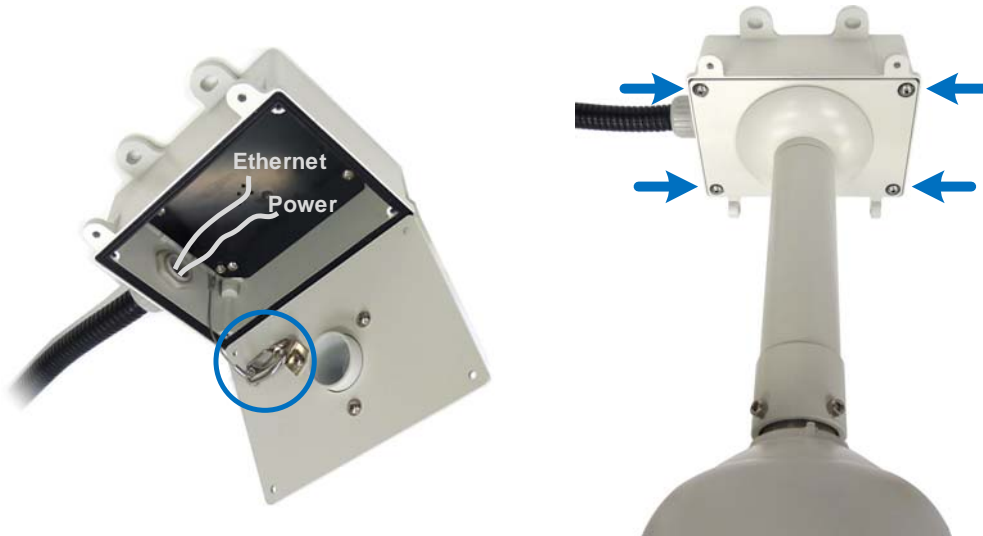
- D. Thread the necessary wires and cables from the ceiling through the corrugated tube, plug the tube to the junction box and secure with part D.



7. Connect the network, power and other cables to the camera. See *Connecting the Camera, Vandal Proof IP Dome (Part I) Chapter, GV-IPCam H.264 Hardware Manual - VD* on the software DVD.

2 Installing the Vandal Proof IP Dome (Part I)

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 H.264 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 H.264 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 H.264 Hardware Manual - VD**.

2.3 Straight Tube Mount



Required accessories:

- GV-Mount101
- GV-Mount901

The user needs to prepare:

- Screws for ceiling x 4

Optionally extend with:

- GV-Mount702
-

2 Installing the Vandal Proof IP Dome (Part I)

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-Mount901, No. 2) with M6 screws (GV-Mount901, 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 H.264 Hardware Manual - VD**.
 - B. Access live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 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 H.264 Hardware Manual - VD**.

2.4 Wall Mount



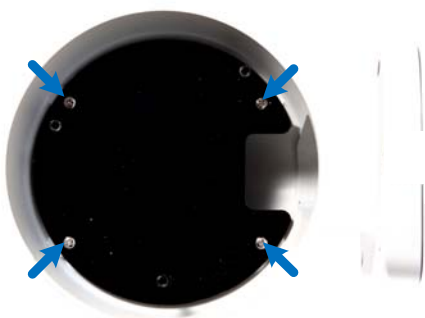
Required accessories:

- GV-Mount205
-

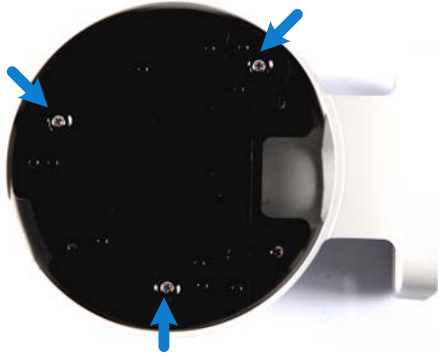
1. Take the wall mount bracket (GV-Mount205, No. 1) and make 4 marks on the wall for screw anchors.



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).



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



- Unpack the camera body.

A.



B.



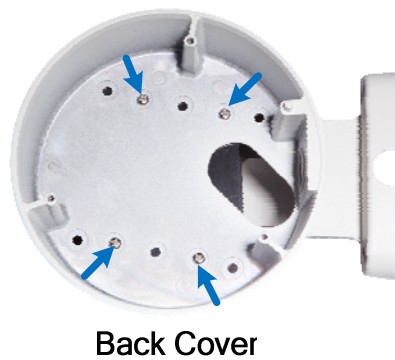
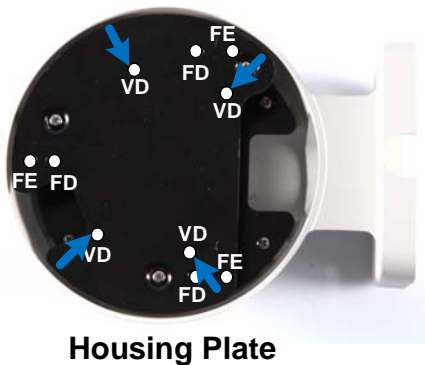
C.



D.

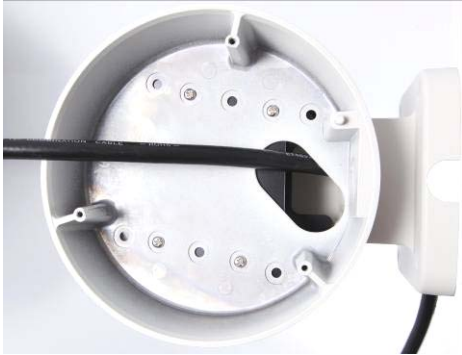


- Align and secure the camera's back cover to the housing plate with 4 M4 screws (GV-Mount205, No. 4).



2 Installing the Vandal Proof IP Dome (Part I)

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 H.264 Hardware Manual - VD**.
 - B. Access live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 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 H.264 Hardware Manual - VD**.

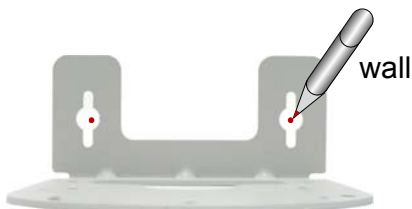
2.5 L-Shaped Wall Mount



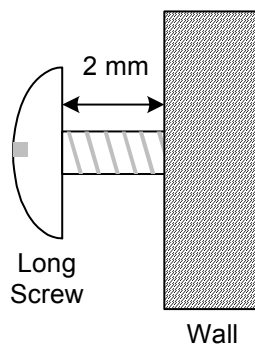
Required accessories:

- GV-Mount900
-

1. Take the wall mount bracket (GV-Mount900, No. 1) and make 2 marks on the wall for screw anchors.



2. Drill the marks and insert 2 screw anchors (GV-Mount900, No. 2).
3. Insert the wall mount screws (GV-Mount900, No. 3) and leave enough distance (approximately 2 mm) to hang the wall mount bracket later.



2 Installing the Vandal Proof IP Dome (Part I)

4. Unpack the camera body.

A.



B.



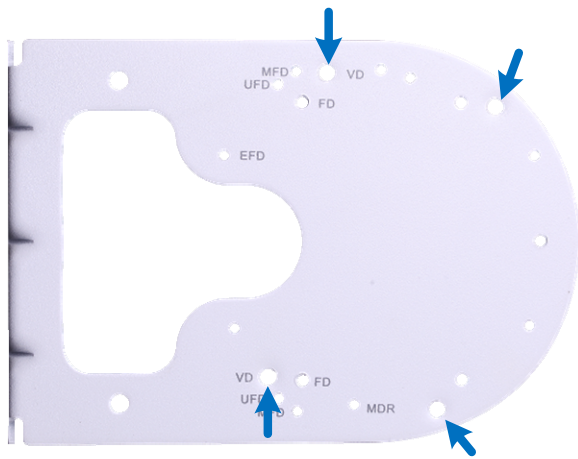
C.



D.



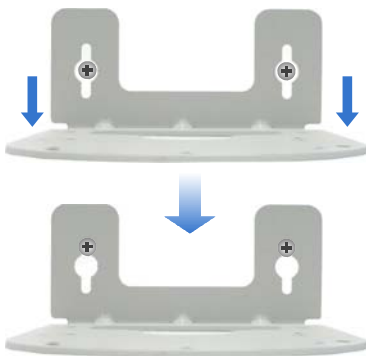
5. Align and secure the back cover to the wall mount bracket with M5 screws (GV-Mount900, No. 5).



6. Thread the cable through the conduit entry at the bottom of the back cover and follow steps 5C and 5D to re-assemble the camera.



7. Hang the wall mount bracket on the wall mount screws and push the wall mount bracket downward. Tighten the screws to the wall.



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, Vandal Proof IP Dome (Part I) Chapter, **GV-IPCam H.264 Hardware Manual - VD.***
 - B. Access live view. See *Accessing the Live View, Getting Started Chapter, **GV-IPCam H.264 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 H.264 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 H.264 Hardware Manual - VD.***

2.6 Wall Box Mount

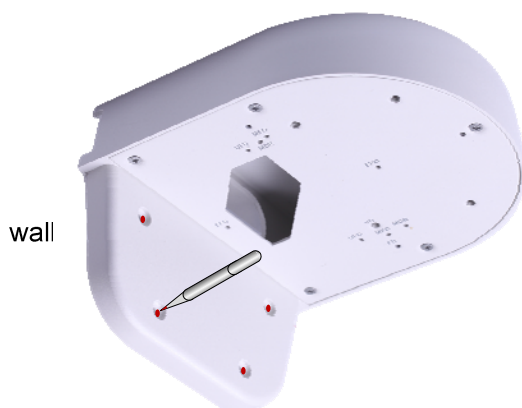


Required accessories:

- 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.



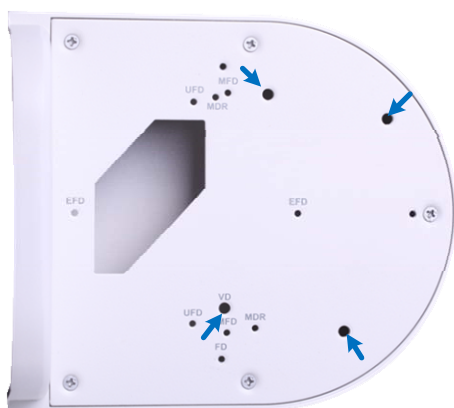
C.



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 H.264 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 H.264 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 H.264 Hardware Manual - VD**.

2.7 Wall Pendant Mount



Required accessories:

- GV-Mount200
- GV-Mount901

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-Mount901, No. 2) with M6 screws (GV-Mount901, 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 H.264 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 H.264 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 H.264 Hardware Manual - VD**.

2.8 Convex Corner Mount with Pendant Tube



Required accessories:

- GV-Mount200
- GV-Mount300
- GV-Mount901

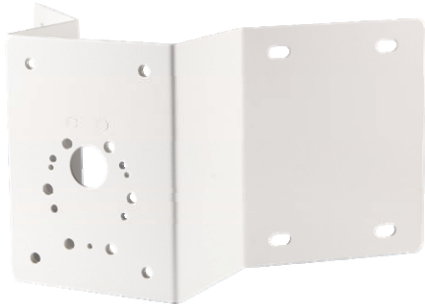
The user needs to prepare:

- 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-Mount901, No. 2) with M6 screws (GV-Mount901, No. 4).



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



4. Thread the camera cable and secure the pendant tube to the mounting plates. Slide the 30 mm M8 screws (GV-Mount300, No. 3) from front and secure from the backside using plain washer (GV-Mount300, No. 4), split washer (GV-Mount300, No. 5) and screw cap (GV-Mount300, 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 H.264 Hardware Manual - VD**.
 - B. Access live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 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 H.264 Hardware Manual - VD**.

2.9 Convex Corner Mount with Wall Bracket



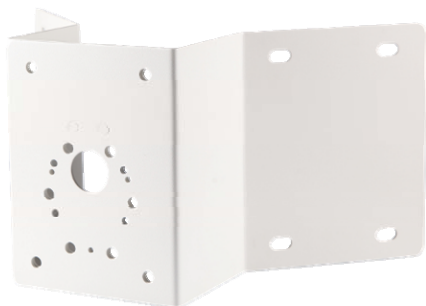
Required accessories:

- GV-Mount300
- GV-Mount900

The user needs to prepare:

- Screws for wall x 8
-

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



2. Assemble the camera with the wall mount bracket (GV-Mount900, No.1).

A. Unpack the camera body.

A-1



A-2



A-3



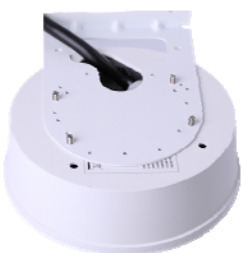
A-4



B. Secure the back cover to the wall mount bracket from the interior with M5 screws (GV-Mount900, No. 5).



C. Thread the cable through the conduit entry at the bottom of the back cover and follow step 2A-3 and 2A-4 to secure the camera body.



2 Installing the Vandal Proof IP Dome (Part I)

3. 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, No. 2) from front and secure from the backside using plain washer (GV-Mount300, No. 4), split washer (GV-Mount300, No. 5) and screw cap (GV-Mount300, No. 6).

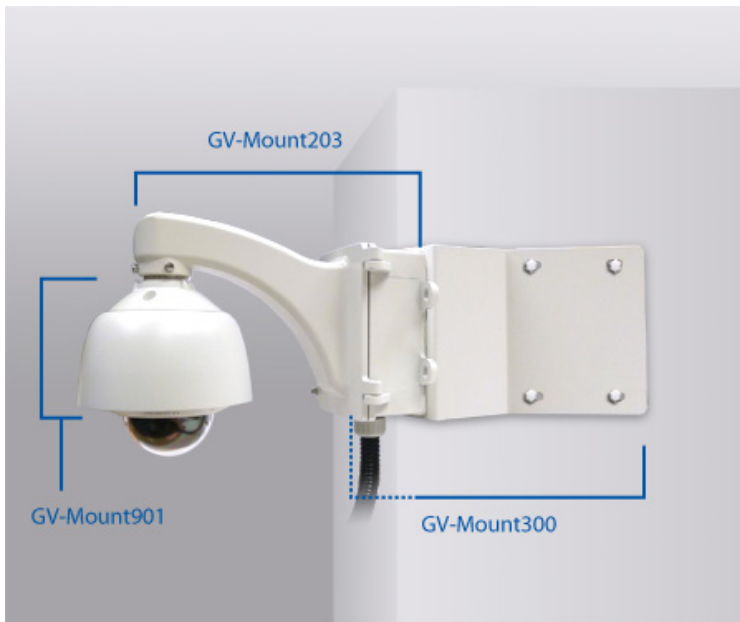


Backside View

4. Secure the plates to the wall with 8 self-prepared screws.
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, Vandal Proof IP Dome (Part I)* Chapter, **GV-IPCam H.264 Hardware Manual - VD**.
 - B. Access live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 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 H.264 Hardware Manual - VD**.

Note: You can use a corrugated tube to waterproof the cable.

2.10 Convex Corner Box Mount



Required accessories:

- GV-Mount203
- GV-Mount300
- GV-Mount901

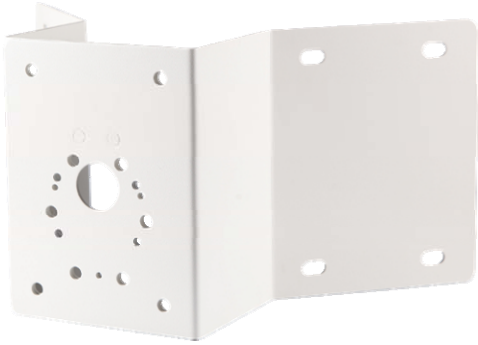
The user needs to prepare:

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

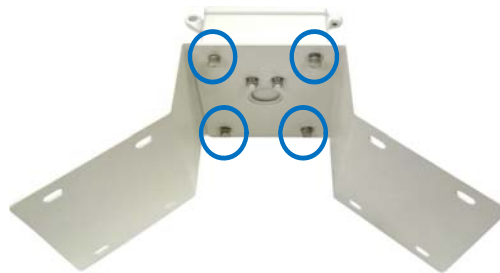


2 Installing the Vandal Proof IP Dome (Part I)

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



Back View

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

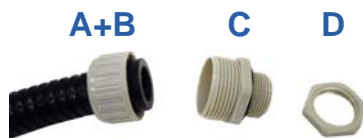


5. Assemble the corrugated tube connector (GV-Mount203, No. 4) with the self-prepared corrugated tube.

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

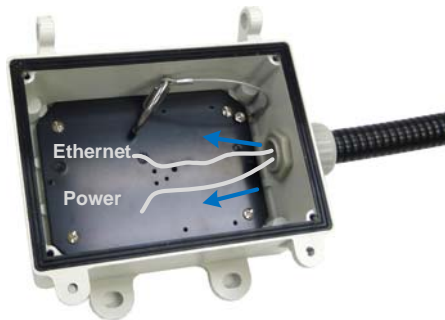


B. Slide part A and part B to the self-prepared corrugated tube.

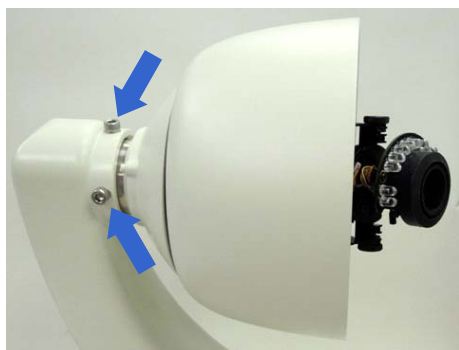


C. Screw part C to the tube.

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-Mount901, No. 2) with M6 screws (GV-Mount901, No. 4).



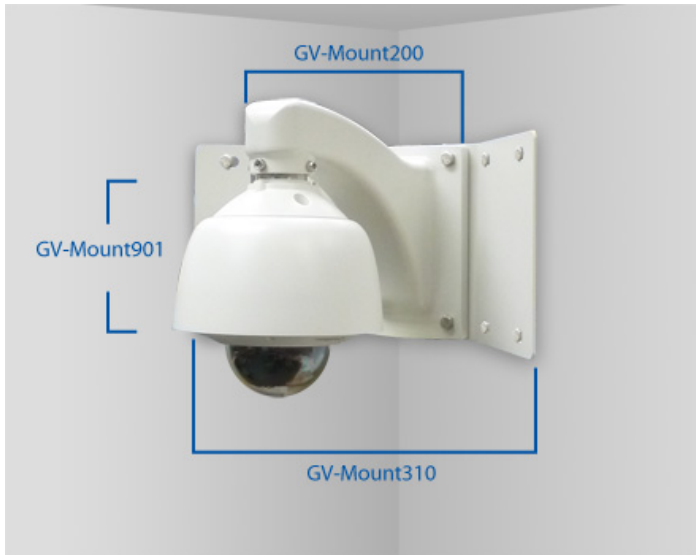
2 Installing the Vandal Proof IP Dome (Part I)

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 H.264 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 H.264 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 H.264 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 H.264 Hardware Manual - VD**.

2.11 Concave Corner Mount with Pendant Tube



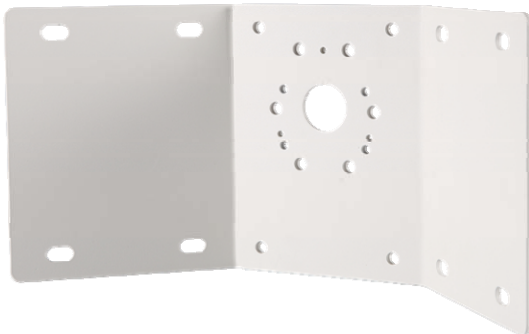
Required accessories:

- GV-Mount200
- GV-Mount310
- GV-Mount901

The user needs to prepare:

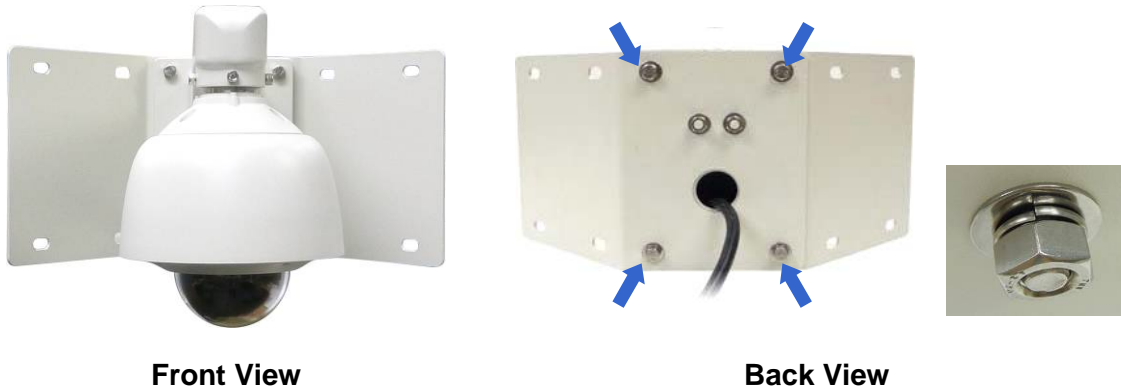
- Screws for wall x 8
-

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



2 Installing the Vandal Proof IP Dome (Part I)

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



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 H.264 Hardware Manual - VD.*
 - B. Access live view. See *Accessing the Live View, Getting Started Chapter, GV-IPCam H.264 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 H.264 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 H.264 Hardware Manual - VD.*

2.12 Concave Corner Mount with Wall Bracket



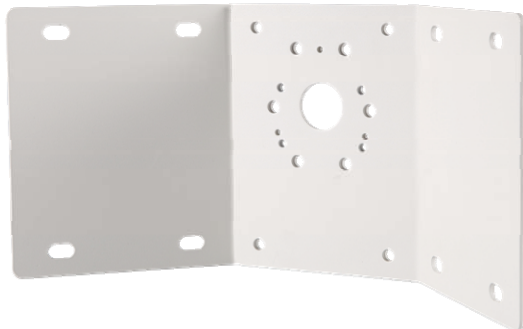
Required accessories:

- GV-Mount310
- GV-Mount900

The user needs to prepare:

- Screws for wall x 8

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



2 Installing the Vandal Proof IP Dome (Part I)

2. Assemble the camera with the wall mount bracket (GV-Mount900, No.1).

A. Unpack the camera body.

A-1



A-2



A-3



A-4



B. Secure the back cover to the wall mount bracket with M5 screws (GV-Mount900, No. 5).



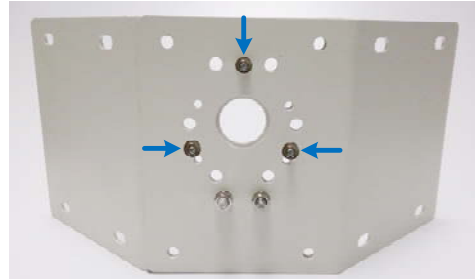
C. Thread the cable through the conduit entry at the bottom of the back cover and follow step 2A-3 and 2A-4 to secure the camera body.



3. 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, No. 2) from the front and secure from the backside using plain washer (GV-Mount310, No. 3), split washer, (GV-Mount310, No. 4) and M8 screw cap (GV-Mount310, No. 5).



Front View



Back View

4. Secure the plates to the wall with 8 self-prepared screws.
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, Vandal Proof IP Dome (Part I) Chapter, **GV-IPCam H.264 Hardware Manual - VD.***
 - B. Access live view. See *Accessing the Live View, Getting Started Chapter, **GV-IPCam H.264 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 H.264 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 H.264 Hardware Manual - VD.***

Note: You can use a corrugated tube to waterproof the cable.

2.13 Pole Mount with Pendant Tube



Required accessories:

- GV-Mount200
 - GV-Mount400 or GV-Mount410
 - GV-Mount901
-

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 / GV-Mount410, No. 1) to the pole using 3 steel straps (GV-Mount400 / GV-Mount410, 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-Mount901, No. 2) with M6 screws (GV-Mount901, 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 / GV-Mount410, No. 3) from the front and secure from the backside using plain washer (GV-Mount400 / GV-Mount410, No. 5), split washer (GV-Mount400 / GV-Mount410, No. 6) and screw cap (GV-Mount400 / GV-Mount410, 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 H.264 Hardware Manual - VD.***
 - B. Access live view. See *Accessing the Live View, Getting Started Chapter, **GV-IPCam H.264 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 H.264 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 H.264 Hardware Manual - VD.***

2.14 Pole Mount with Wall Bracket



Required accessories:

- GV-Mount400 or GV-Mount410
 - GV-Mount900
-

1. Assemble the camera with the wall mount bracket (GV-Mount900, No.1).

E. Unpack the camera body.

A-1



A-2



A-3 Unscrew



A-4



F. Secure the back cover to the wall mount bracket with M5 screws (GV-Mount900, No. 5).



- G. Thread the cable through the conduit entry at the bottom of the back cover and follow step 2A-3 and 2A-4 to secure the camera body.



2. Assemble the camera with the mounting bracket (GV-Mount400 / GV-Mount410, No.1).
 - A. Thread the camera cable through the mounting bracket.
 - B. Slide the 30 mm M8 screws (GV-Mount400 / GV-Mount410, No. 3) from the front and secure from the backside using plain washer (GV-Mount400 / GV-Mount410, No. 5), split washer, (GV-Mount400 / GV-Mount410, No. 6) and M8 screw cap (GV-Mount400 / GV-Mount410, No. 7).



Backside View

3. Secure the mounting bracket to the pole using 3 steel straps (GV-Mount400 / GV-Mount410, No. 2). Rotate the screw on the strap to adjust its size.

2 Installing the Vandal Proof IP Dome (Part I)



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 H.264 Hardware Manual - VD**.
 - B. Access live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 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 H.264 Hardware Manual - VD**.

Note: You can use a corrugated tube to waterproof the cable.

2.15 Pole Box Mount



Required accessories:

- GV-Mount203
- GV-Mount400 or GV-Mount410
- GV-Mount901

The user needs to prepare:

- Corrugated tube x 1 (3/4", \varnothing 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 / GV-Mount410, No. 1) and the junction box (GV-Mount203, No. 1) from the backside using 25 mm M8 screws (GV-Mount400 / GV-Mount410, No. 4), plain washer (GV-Mount400 / GV-Mount410, No. 5) and split washers (GV-Mount400 / GV-Mount410, No. 6).



Backside View

2 Installing the Vandal Proof IP Dome (Part I)

- Secure the mounting bracket to the pole using 3 steel straps (GV-Mount400 / GV-Mount410, No. 2). Rotate the screw on the strap to adjust its size. Face the conduit exit downward.



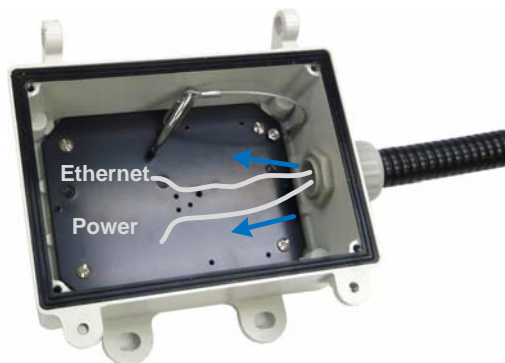
- Assemble the corrugated tube connector (GV-Mount203, No. 4) with the self-prepared corrugated tube.
 - Dismantle the supplied corrugated tube connector. You should have 4 parts.



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



- Screw part C to the tube.
- 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-Mount901, No. 2) with M6 screws (GV-Mount901, 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 H.264 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 H.264 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 H.264 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 H.264 Hardware Manual - VD**.

2.16 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 H.264 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 H.264 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 H.264 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 / 5340 / 5340-E, be sure that:

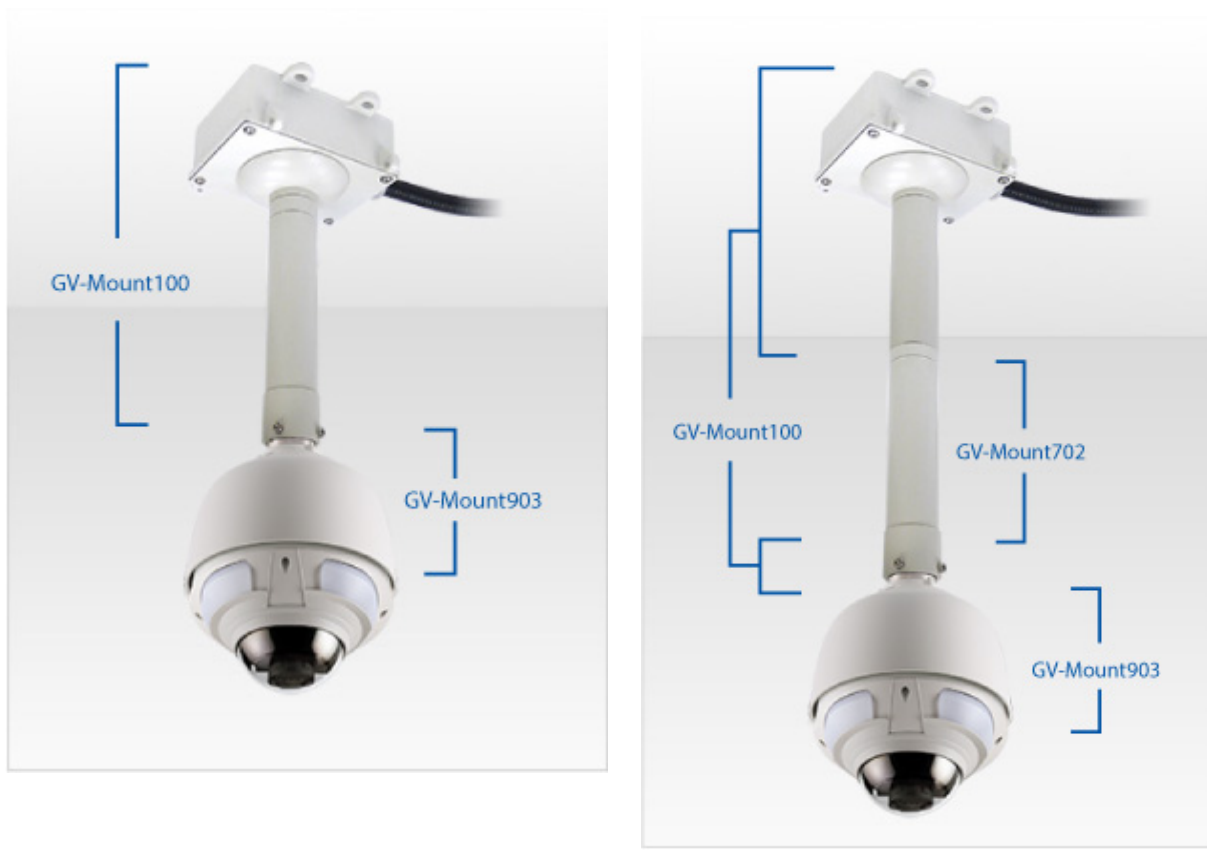
1. When installing the camera near the corner, maintain at least 25 cm away from the walls to avoid reflections.
2. If the center of the camera view is less than 25° to the ceiling, or lower than the grey line (as illustrated below), disassemble the indicated ring so the view is not obstructed. However,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

3.1 Straight Tube Box Mount



Required accessories:

- GV-Mount100
- GV-Mount903

The user needs to prepare:

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



Optionally extend with:

- GV-Mount702

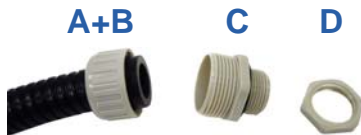
3 Installing the Vandal Proof IP Dome (Part II)

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.

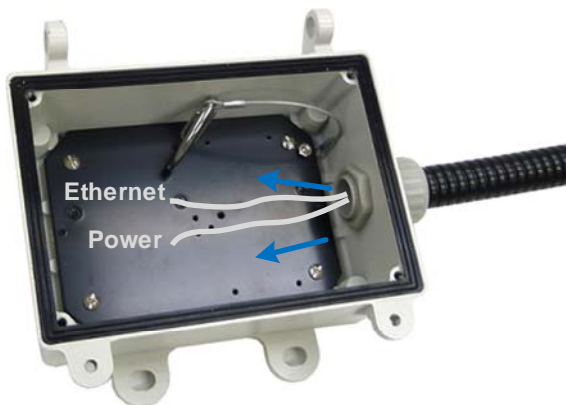


B. Slide part A and part B to the self-prepared corrugated tube.



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.



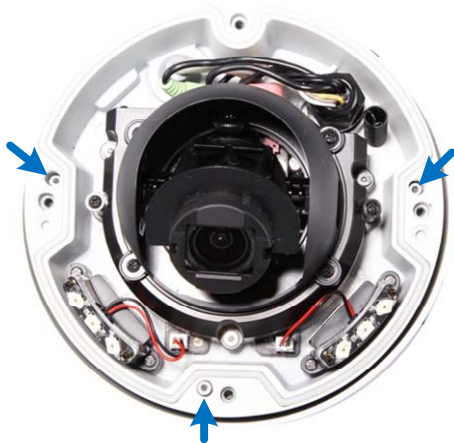
2. Secure the junction box to the ceiling with self-prepared screws.
3. Assemble the box cover (GV-Mount100, No.2) with the tube (GV-Mount100, No. 3), tube connector (GV-Mount100, No. 4), housing cap (GV-Mount903, No. 2) and then the dome housing (GV-Mount903, No.1) with M6 screws (GV-Mount903, No. 4).



4. Thread the power (supplied), network (self-prepared) and other wires (supplied) through the box cover and into the dome housing.
5. Secure the supplied back plate to the dome housing.



6. Thread the wires into the camera. See steps 1 to 3 in *Installation, Vandal Proof IP Dome (Part II)* Chapter, **GV-IPCam H.264 Hardware Manual - VD** on the software DVD.
7. Secure the camera to the back plate with the supplied torx wrench.



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



3 Installing the Vandal Proof IP Dome (Part II)

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 H.264 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 H.264 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 H.264 Hardware Manual - VD**.

3.2 Straight Tube Mount



Required accessories:

- GV-Mount101
- GV-Mount903

The user needs to prepare:

- Screws for ceiling x 4

Optionally extend with:

- GV-Mount702
-

3 Installing the Vandal Proof IP Dome (Part II)

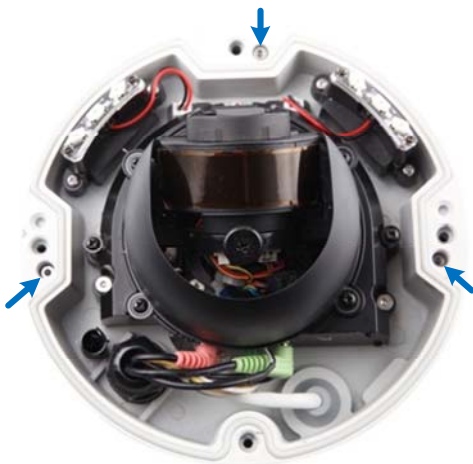
1. Assemble the mounting bracket (GV-Mount101, No. 1), tube (GV-Mount101, No. 2), tube connector (GV-Mount101, No. 3), housing cap (GV-Mount903, No. 2) and the dome housing (GV-Mount903, No. 1) with M6 screws (GV-Mount903, No. 4).



2. Thread the power (supplied), network (self-prepared) and other wires (supplied) through the box cover and into the dome housing.
3. Secure the supplied back plate to the dome housing.



4. Thread the wires into the camera. See steps 1 to 3 in *Installation, Vandal Proof IP Dome (Part II)* Chapter, **GV-IPCam H.264 Hardware Manual - VD** on the software DVD.
5. Secure the camera to the back plate with the supplied torx wrench.



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 H.264 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 H.264 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 H.264 Hardware Manual - VD**.

3.3 Wall Mount Bracket



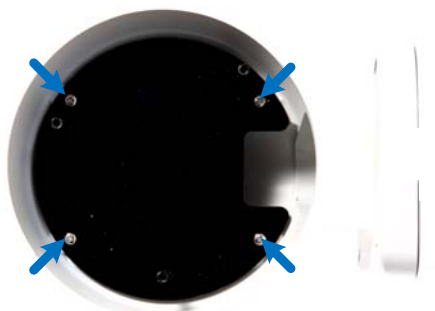
Required accessories:

- 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).



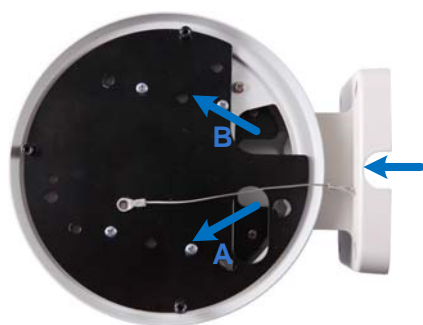
- Align and secure the housing plate (GV-Mount206, No. 3) to the mounting plate with 3 M4 screws (GV-Mount206, No. 4).



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



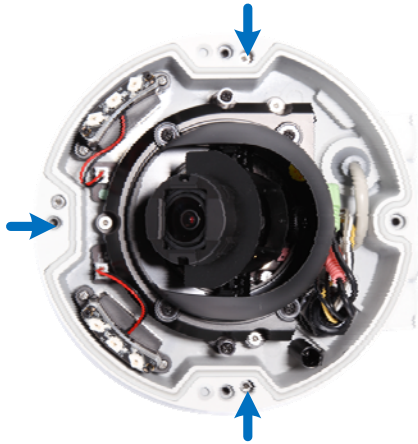
- Thread the camera cables through the wall mount bracket.



- Thread the wires of power adapter, audio (optional), TV out (optional) and I/O devices (optional) through the hole labeled A.
 - Thread the RJ-45 cable through the hole labeled B.
- Thread and connect the related wires to the camera. See steps 1 to 4 in *Installation, Vandal Proof IP Dome (Part II)* Chapter, **GV-IPCam H.264 Hardware Manual - VD** on the software DVD.

3 Installing the Vandal Proof IP Dome (Part II)

8. Align and secure the camera to the back plate with the supplied torx wrench.



9. Secure the wall mount bracket 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 H.264 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 H.264 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 H.264 Hardware Manual - VD**.

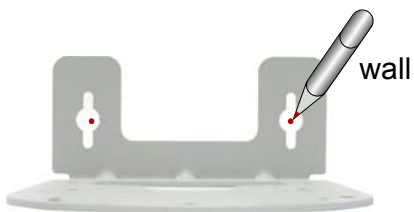
3.4 L-Shaped Wall Mount



Required accessories:

- GV-Mount900
-

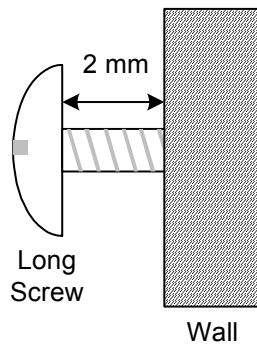
1. Take the wall mount bracket (GV-Mount900, No. 1) and make 2 marks on the wall for screw anchors.



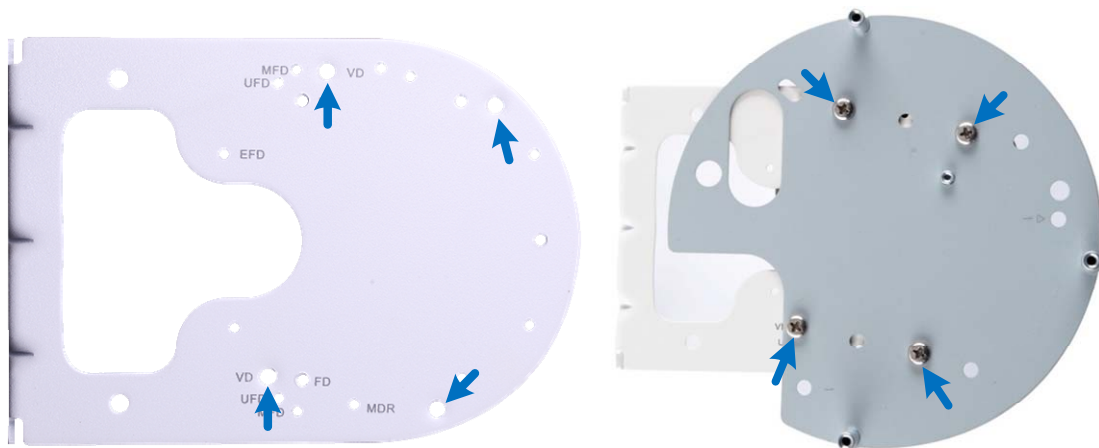
2. Drill the marks and insert 2 screw anchors (GV-Mount900, No. 2).

3 Installing the Vandal Proof IP Dome (Part II)

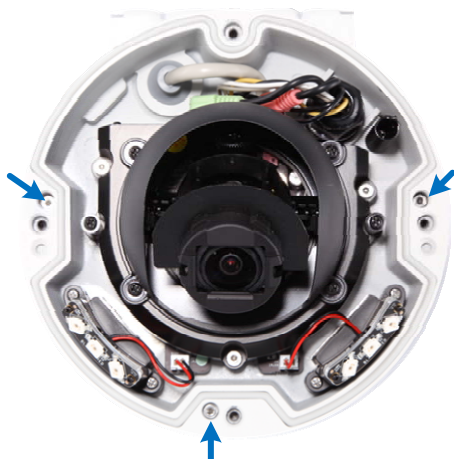
3. Insert the ceiling screws (GV-Mount900, No. 3) and leave enough distance (approximately 2 mm) to hang the wall mount bracket later.



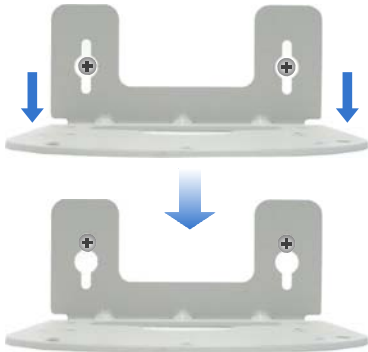
4. Align and secure the supplied back plate to the wall mount bracket with M5 screws (GV-Mount900, No. 5).



5. 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 H.264 Hardware Manual – VD** on the software DVD.
6. Secure the camera to the wall mount bracket with the supplied torx wrench.



7. Hang the wall mount bracket on the ceiling screws, push the wall mount bracket downward and tighten the screws to the wall.



8. Connect the camera wires with wires from the wall.
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 H.264 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 H.264 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 H.264 Hardware Manual - VD**.

3.5 Wall Box Mount

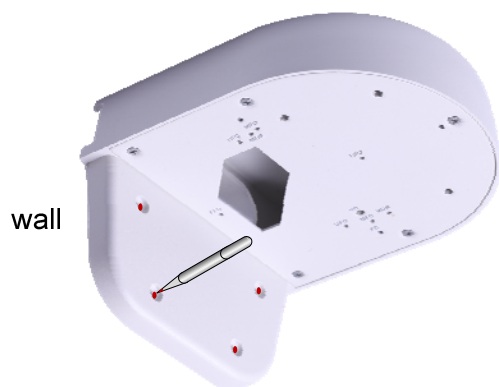


Required accessories:

- GV-Mount909
-

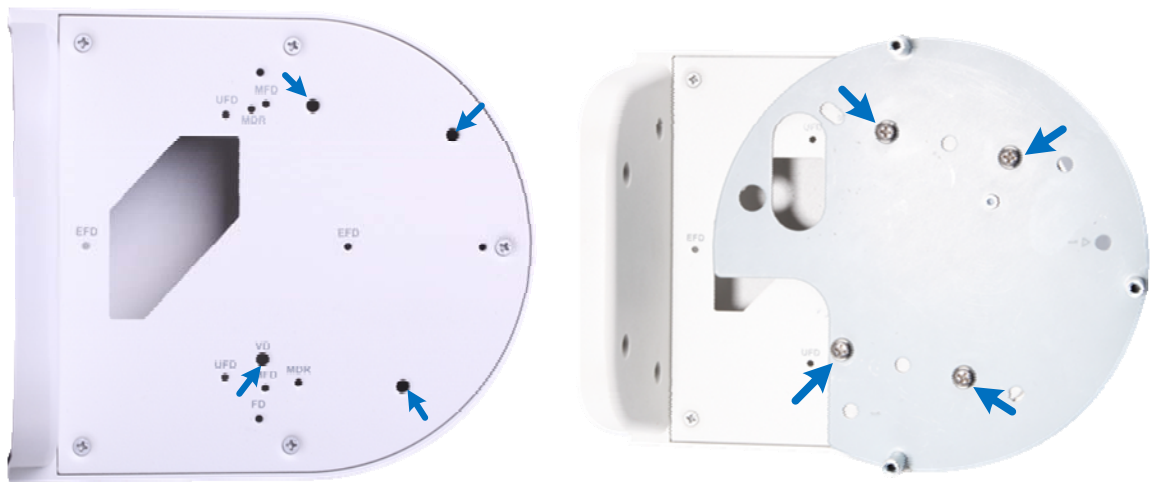
IMPORTANT: The GV-Mount909 is not IP66 protected. Make sure you install the camera in a dry place.

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

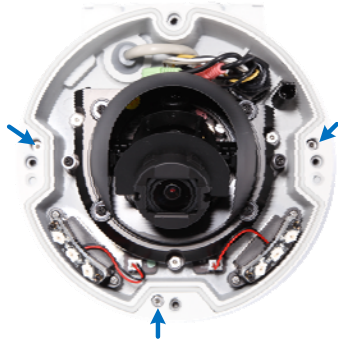


2. Drill the marks and insert 4 screw anchors (GV-Mount909, No. 2).

3. Secure the 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 H.264 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 H.264 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 H.264 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 H.264 Hardware Manual - VD**.

3.6 Wall Pendant Mount



Required accessories:

- GV-Mount200
- GV-Mount903

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



2. Thread the power (supplied), network (self-prepared) and other wires (supplied) through the pendant tube and into the dome housing.
3. Secure the supplied back plate to the dome housing.



4. Thread the wires into the camera. See steps 1 to 4 in *Installation, Vandal Proof IP Dome (Part II) Chapter, GV-IPCam H.264 Hardware Manual - VD* on the software DVD.
5. Secure the camera to the back plate with the supplied torx wrench.



3 Installing the Vandal Proof IP Dome (Part II)

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 H.264 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 H.264 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 H.264 Hardware Manual - VD**.

3.7 Convex Corner Mount with Pendant Tube



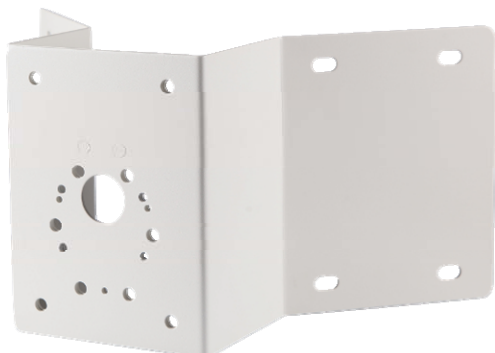
Required accessories:

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

The user needs to prepare:

- Screws for wall x 8
-

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



3 Installing the Vandal Proof IP Dome (Part II)

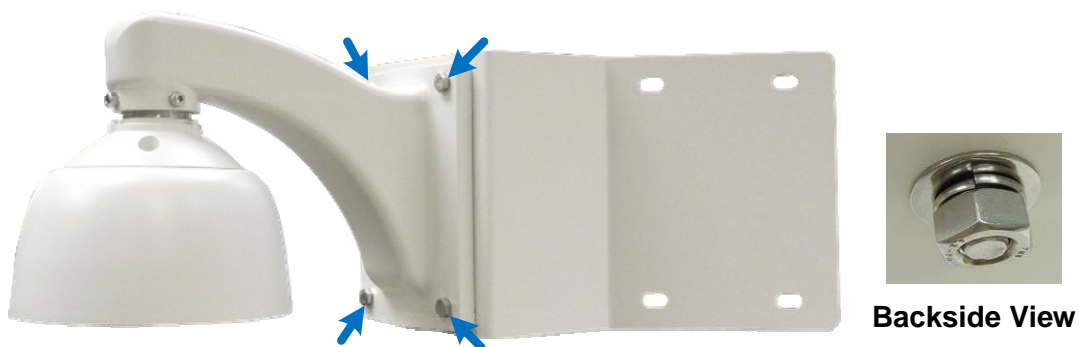
2. Assemble the pendant tube (GV-Mount200, No. 1) with the housing cap (GV-Mount903, No. 2) and then the dome housing (GV-Mount903, No. 1) with M6 screws (GV-Mount903, No. 4).



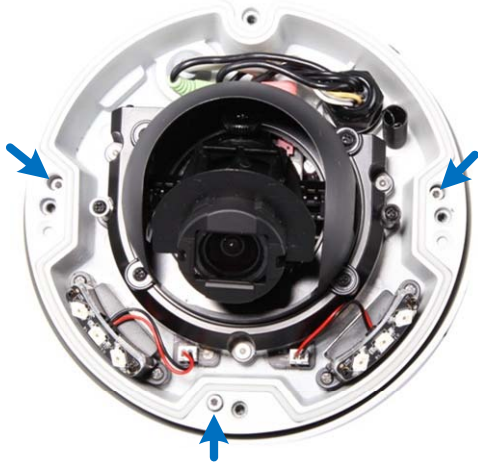
3. Thread the power (supplied), network (self-prepared) and other wires (supplied) through the pendant tube and into the dome housing.
4. Secure the supplied back plate to the dome housing.



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



6. Thread the wires into the camera. See steps 1 to 4 in *Installation, Vandal Proof IP Dome (Part II)* Chapter, **GV-IPCam H.264 Hardware Manual - VD** on the software DVD.
7. Secure the camera to the back plate with the supplied torx wrench.



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 H.264 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 H.264 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 H.264 Hardware Manual - VD**.

3.8 Convex Corner Mount with Wall Bracket



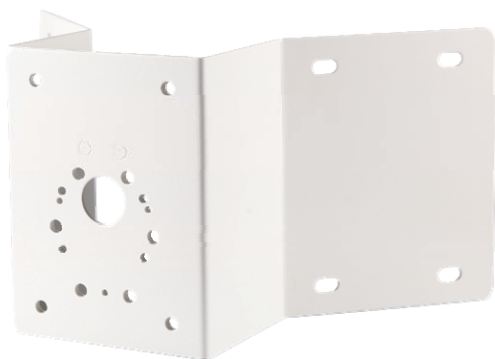
Required accessories:

- GV-Mount300
- GV-Mount900

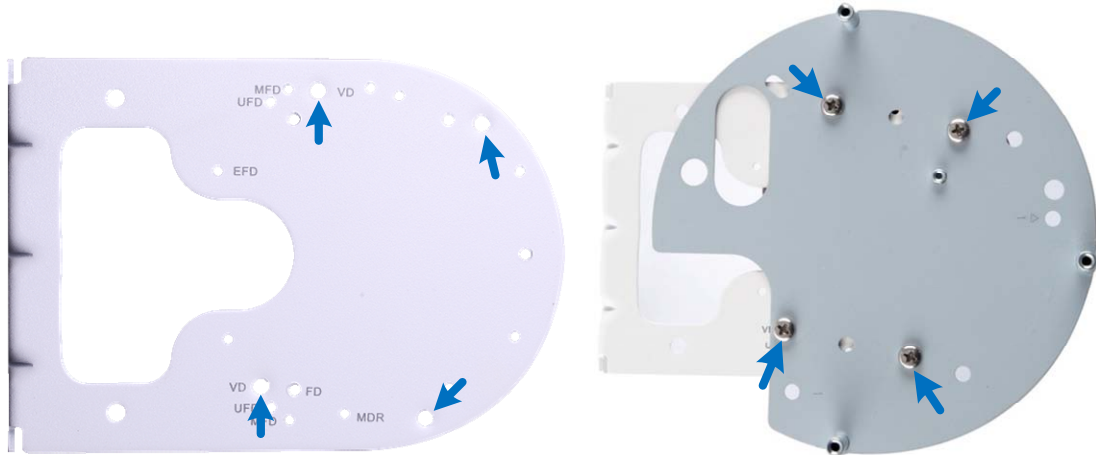
The user needs to prepare:

- Screws for wall x 8

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



- Secure the supplied back plate to wall mount bracket (GV-Mount900, No. 1).



- Secure the wall mount bracket to the mounting plates. Slide the 30 mm M8 screws (GV-Mount300, No. 2) from front and secure from the backside using plain washer (GV-Mount300, No. 4), split washer (GV-Mount300, No. 5) and screw cap (GV-Mount300, No. 6).

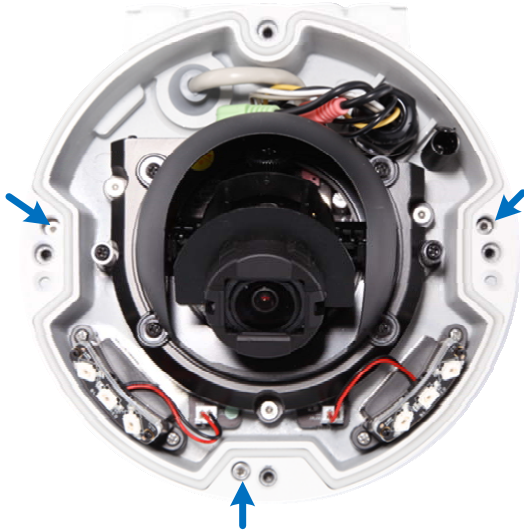


Backside View

- Thread the power (supplied), network (self-prepared) and other wires (supplied) through the mounting plates, wall mount bracket and then into the camera. See steps 1 to 4 in *Installation, Vandal Proof IP Dome (Part II) Chapter, GV-IPCam H.264 GV-IPCam H.264 Hardware Manual - VD* on the software DVD.

3 Installing the Vandal Proof IP Dome (Part II)

5. Secure the camera to the wall mount bracket with the supplied torx wrench.



6. Connect camera wires with wires from the wall.
7. Secure the plates to the wall with 8 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 H.264 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 H.264 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 H.264 Hardware Manual - VD**.

Note: You can use a corrugated tube to waterproof the cable.

3.9 Convex Corner Box Mount



Required accessories:

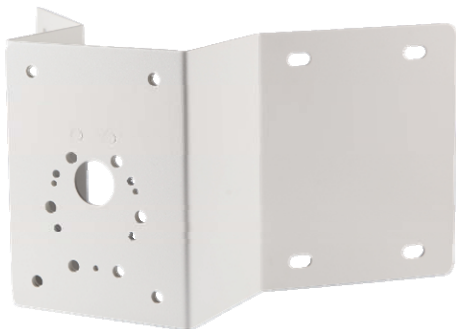
- GV-Mount203
- GV-Mount300
- GV-Mount903

The user needs to prepare:

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

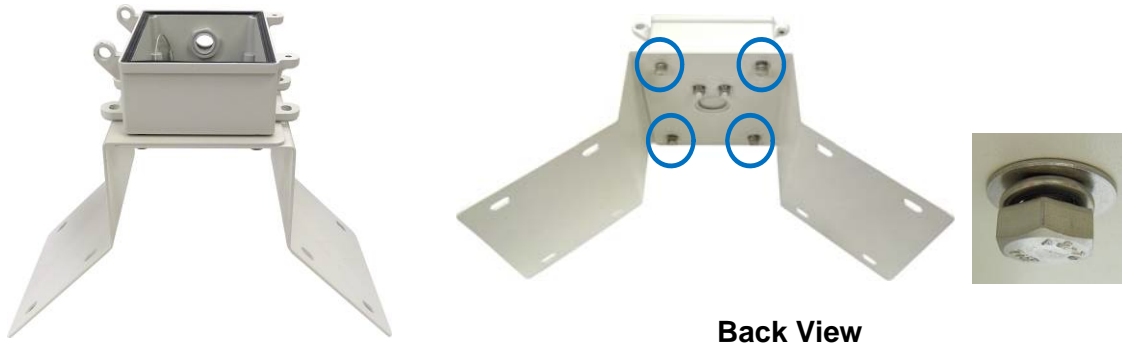


-
1. Assemble the mounting plates, slide in the plain washer (GV-Mount300, No. 4), then the split washer (GV-Mount300, No. 5), and secure with the screw cap (GV-Mount300, No. 6).



3 Installing the Vandal Proof IP Dome (Part II)

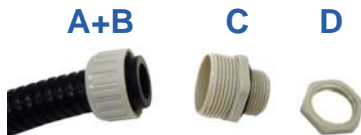
- Secure the junction box (GV-Mount203, No. 1) to the plate from the backside using the 25 mm M8 screw (GV-Mount300, No. 3), plain washer (GV-Mount300, No. 4) and split washer (GV-Mount300, No. 5).



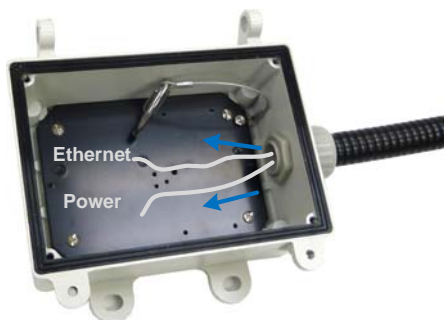
- Install the corrugated tube and the tube connector (GV-Mount203, No. 4) to the junction box.
 - Dismantle the supplied corrugated tube connector. You should have 4 parts.



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

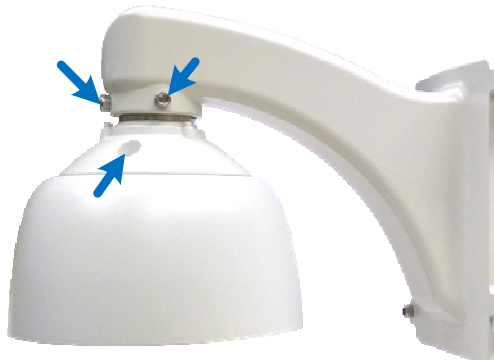


- Screw part C to the tube.
- Thread the necessary wires through the corrugated tube, plug the tube to the junction box and secure with part D.



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

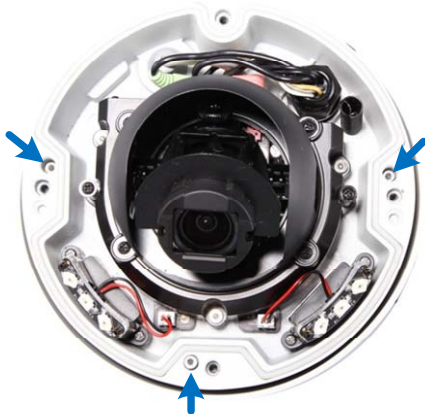
5. Assemble the pendant tube (GV-Mount203, No. 2), housing cap (GV-Mount903, No. 2) and the dome housing (GV-Mount903, No. 1) with M6 screws (GV-Mount903, No. 4).



6. Thread the power (supplied), network (self-prepared) and other wires (supplied) through the pendant tube and into the dome housing.
7. Secure the supplied back plate to the dome housing.



8. Thread the wires into the camera. See steps 1 to 4 in *Installation, Vandal Proof IP Dome (Part II)* Chapter, **GV-IPCam H.264 Hardware Manual - VD** on the software DVD.
9. Secure the camera to the back plate with the supplied torx wrench.



3 Installing the Vandal Proof IP Dome (Part II)

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

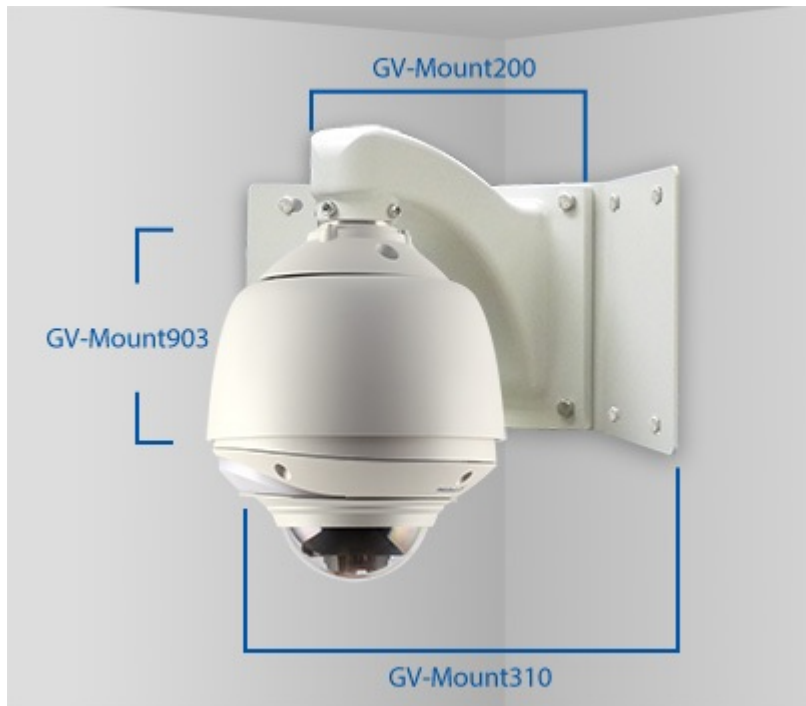


11. Connect the wires and close the junction box with M5 screws (GV-Mount203, No. 3).

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 H.264 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 H.264 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 H.264 Hardware Manual - VD**.

3.10 Concave Corner Mount with Pendant Tube



Required accessories:

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

The user needs to prepare:

- Screws for wall x 8
-

3 Installing the Vandal Proof IP Dome (Part II)

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



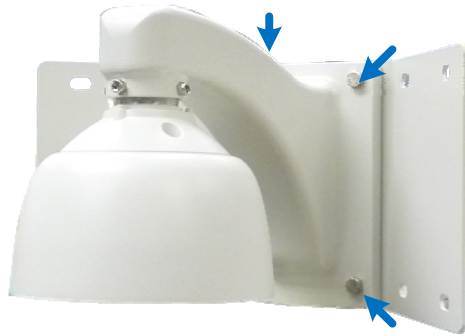
2. Assemble the pendant tube (GV-Mount200, No. 1) with the housing cap (GV-Mount903, No. 2) and then the dome housing (GV-Mount903, No. 1) with M6 screws (GV-Mount903, No. 4).



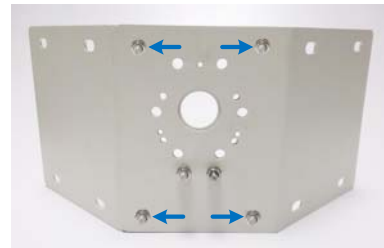
3. Thread the power (supplied), network (self-prepared) and other wires (supplied) through the pendant tube and the dome housing.
4. Secure the supplied back plate to the dome housing.



5. Secure the pendant tube to the mounting plates. Slide the 30 mm M8 screws (GV-Mount310, No. 3) from front and secure from the backside using plain washer (GV-Mount310, No. 4), split washer (GV-Mount310, No. 5) and screw cap (GV-Mount310, No. 6).



Front View



Back View

6. Connect these wires to the camera. See steps 1 to 4 in *Installation, Vandal Proof IP Dome (Part II)* Chapter, **GV-IPCam H.264 Hardware Manual - VD** on the software DVD.
7. Secure the camera to the back plate with the supplied torx wrench.



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 H.264 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 H.264 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 H.264 Hardware Manual - VD**.

3.11 Concave Corner Mount with Wall Bracket



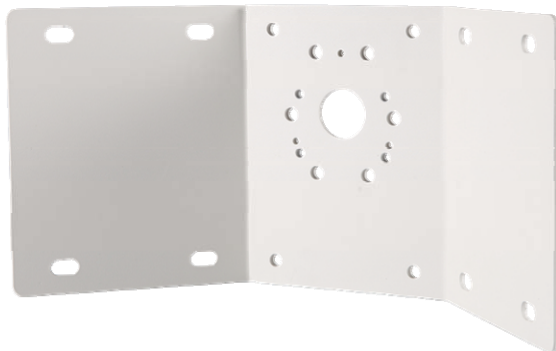
Required accessories:

- GV-Mount310
- GV-Mount900

The user needs to prepare:

- Screws for wall x 8
-

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



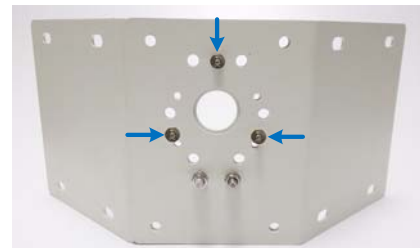
- Secure the supplied back plate to wall mount bracket (GV-Mount900, No. 1).



- Secure the wall mount bracket to the mounting plates. Slide the 30 mm M8 screws (GV-Mount310, No. 2) from the front and secure from the backside using plain washer (GV-Mount310, No. 3), split washer, (GV-Mount310, No. 4) and M8 screw cap (GV-Mount310, No. 5).

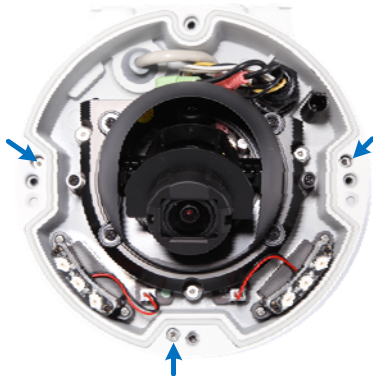


Front View



Back View

- Thread the power (supplied), network (self-prepared) and other wires (supplied) through the mounting plates, wall mount bracket and then into the camera. See steps 1 to 4 in *Installation, Vandal Proof IP Dome (Part II)* Chapter, **GV-IPCam H.264 Hardware Manual – VD** on the software DVD.
- Secure the camera to the wall mount bracket with the supplied torx wrench.



- Connect the camera wires with wires from the wall.

3 Installing the Vandal Proof IP Dome (Part II)

7. Secure the plates to the wall with 8 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 H.264 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 H.264 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 H.264 Hardware Manual - VD**.

Note: You can use a corrugated tube to waterproof the cable.

3.12 Pole Mount with Pendant Tube



Required accessories:

- GV-Mount200
 - GV-Mount400 or GV-Mount410
 - GV-Mount903
-

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



3 Installing the Vandal Proof IP Dome (Part II)

2. Secure the pendant tube (GV-Mount200, No. 1) with the mounting bracket (GV-Mount400 / 401, No. 1). Slide the 30 mm M8 screws (GV-Mount400 / GV-Mount410, No. 3) from the front and secure from the backside using plain washer (GV-Mount400 / GV-Mount410, No. 5), split washer (GV-Mount400 / GV-Mount410, No. 6) and screw cap (GV-Mount400 / GV-Mount410, No. 7).



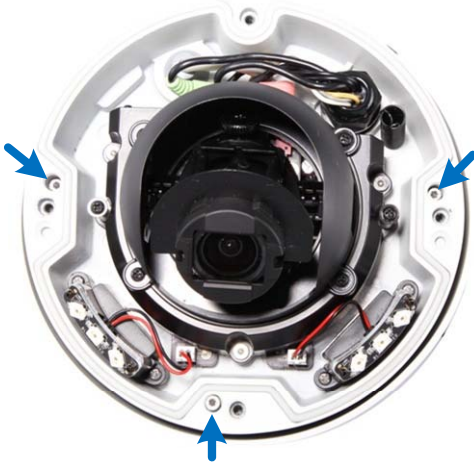
Backside View

3. Thread the power (supplied), network (self-prepared) and other wires (supplied) through the mounting bracket, pendant tube and the dome housing.
4. Secure the supplied back plate to the dome housing.



5. Thread the wires into the camera. See steps 1 to 4 in *Installation, Vandal Proof IP Dome (Part II)* Chapter, **GV-IPCam H.264 Hardware Manual - VD** on the software DVD.

6. Secure the camera to the back plate with the supplied torx wrench.



7. Connect camera wires with wires from the pole.
8. Secure the mounting bracket to the pole using 3 steel straps (GV-Mount400 / GV-Mount410, 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 H.264 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 H.264 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 H.264 Hardware Manual - VD**.

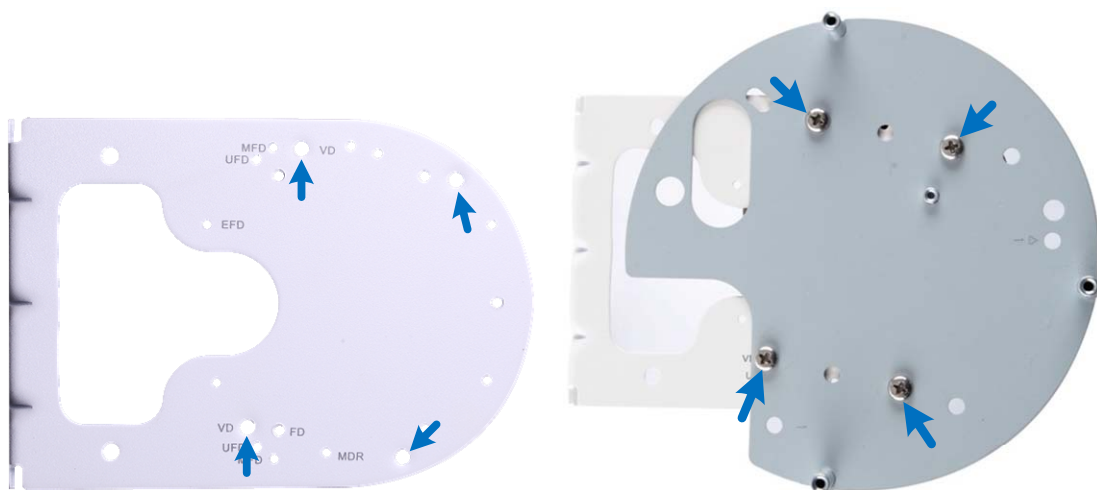
3.13 Pole Mount with Wall Bracket



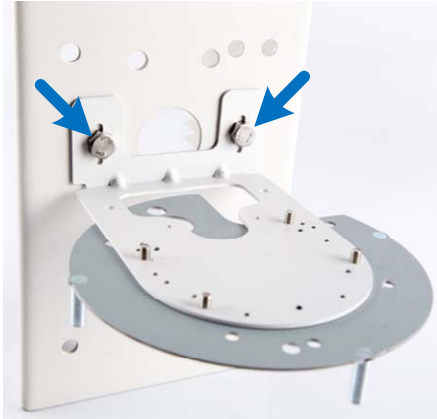
Required accessories:

- GV-Mount400 or GV-Mount410
 - GV-Mount900
-

1. Secure the supplied back plate to wall mount bracket (GV-Mount900, No. 1).

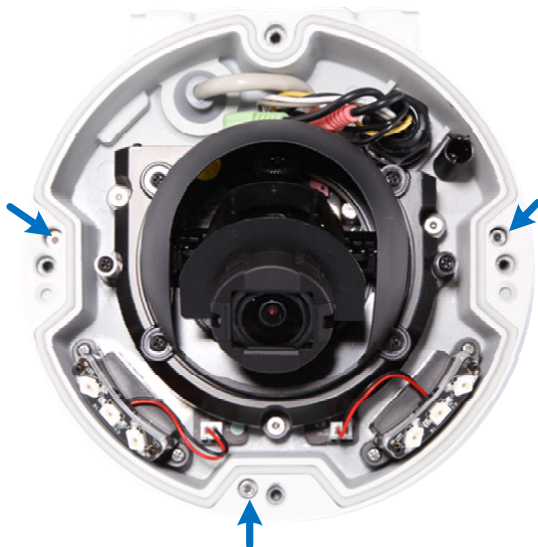


2. Secure the wall mount bracket (GV-Mount900, No. 1) to the mounting bracket (GV-Mount400 / GV-Mount410, No.1). Slide the 30 mm M8 screws (GV-Mount400 / GV-Mount410, No. 3) from the front and secure from the backside using plain washer (GV-Mount400 / GV-Mount410, No. 5), split washer, (GV-Mount400 / GV-Mount410, No. 6) and M8 screw cap (GV-Mount400 / GV-Mount410, No. 7).



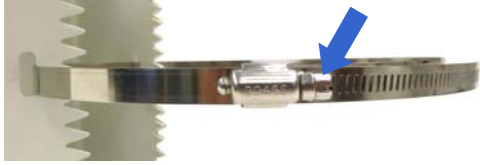
Backside View

3. Thread the power (supplied), network (self-prepared) and other wires (supplied) through the mounting bracket, wall mount bracket and then into the camera. See steps 1 to 4 in *Installation, Vandal Proof IP Dome (Part II)* Chapter, **GV-IPCam H.264 Hardware Manual - VD** on the software DVD.
4. Secure the camera to the back plate with the supplied torx wrench.



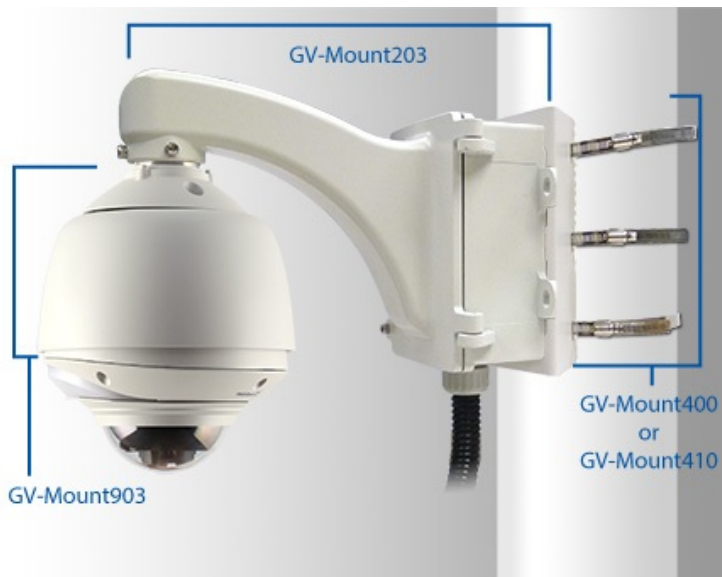
3 Installing the Vandal Proof IP Dome (Part II)

5. Connect the camera wires with wires from the pole.
6. Secure the mounting bracket to the pole using 3 steel straps (GV-Mount400 / GV-Mount410, No. 2). Rotate the screw on the strap to adjust its size.



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 H.264 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 H.264 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 H.264 Hardware Manual - VD**.

3.14 Pole Box Mount



Required accessories:

- GV-Mount203
- GV-Mount400 or GV-Mount410
- GV-Mount903

The user needs to prepare:

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



-
1. Assemble the junction box (GV-Mount203, No. 1) with the mounting bracket (GV-Mount400 / 410, No. 1) with the plain washer (GV-Mount400 / GV-Mount410, No. 5), split washers (GV-Mount400 / GV-Mount410, No. 6) and then the 25 mm M8 screws (GV-Mount400 / GV-Mount410, No. 4).



Backside View

3 Installing the Vandal Proof IP Dome (Part II)

2. Secure the mounting bracket to the pole using 3 steel straps (GV-Mount400 / GV-Mount410, No. 2). Rotate the screw on the strap to adjust its size. Face the conduit exit downward.



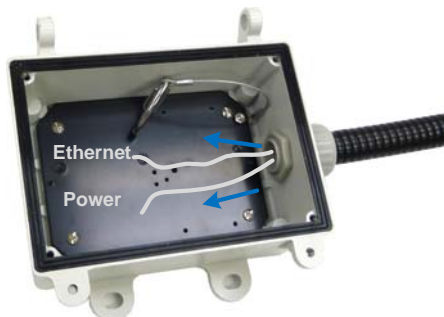
3. Install the corrugated tube and the tube connector (GV-Mount203, No. 4) to the junction box.
 - A. Dismantle the supplied corrugated tube connector. You should have 4 parts.



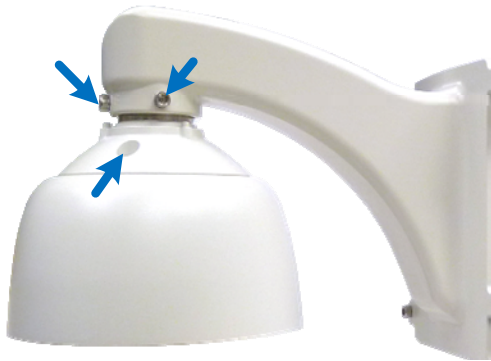
- B. Slide part A and part B to the self-prepared corrugated tube.



- 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.



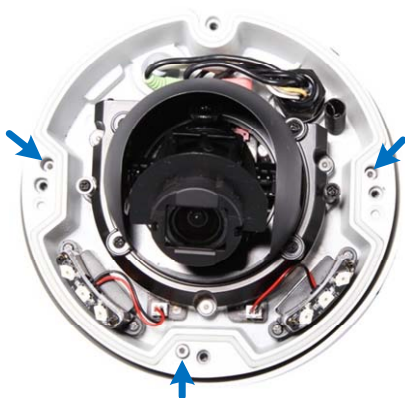
4. Assemble the pendant tube (GV-Mount203, No. 2), housing cap (GV-Mount903, No. 2) and the dome housing (GV-Mount903, No. 1) with M6 screws (GV-Mount903, No. 4).



5. Thread the power (supplied), network (self-prepared) and other wires (supplied) through the pendant tube and into the dome housing
6. Secure the supplied back plate to the dome housing.



7. Thread the wires into the camera. See steps 1 to 4 in *Installation, Vandal Proof IP Dome (Part II)* Chapter, **GV-IPCam H.264 Hardware Manual - VD** on the software DVD.
8. Secure the camera to the back plate with the supplied torx wrench.



3 Installing the Vandal Proof IP Dome (Part II)

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 H.264 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 H.264 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 H.264 Hardware Manual - VD**.

3.15 Power Box Mount

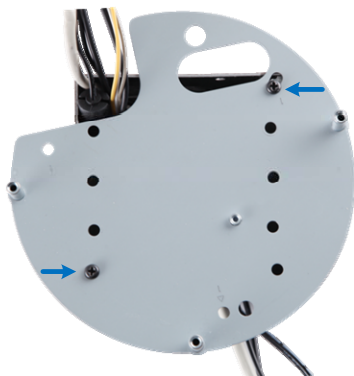


The user needs to prepare

- Screws for securing the camera to power box
-

Supported Power Box Types			
Single Gang	Double Gang	4" Octagon	4" Square
	✓		✓

1. 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.



3 Installing the Vandal Proof IP Dome (Part II)

2. Thread the wires into the camera. See steps 1 to 4 in *Installation, Vandal Proof IP Dome (Part II)* Chapter, **GV-IPCam H.264 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 H.264 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 H.264 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 H.264 Hardware Manual - VD**.

3.16 In-Ceiling Mount

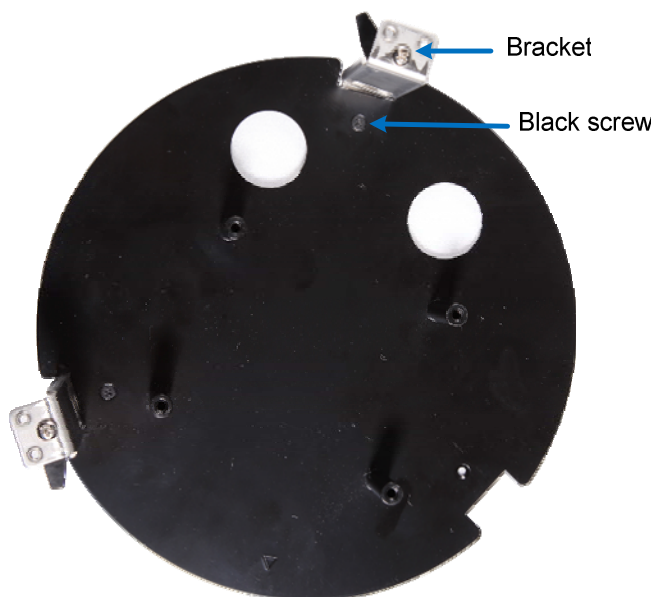


The thickness of the ceiling board must not exceed 4 cm (1.57 in).

Required accessories:

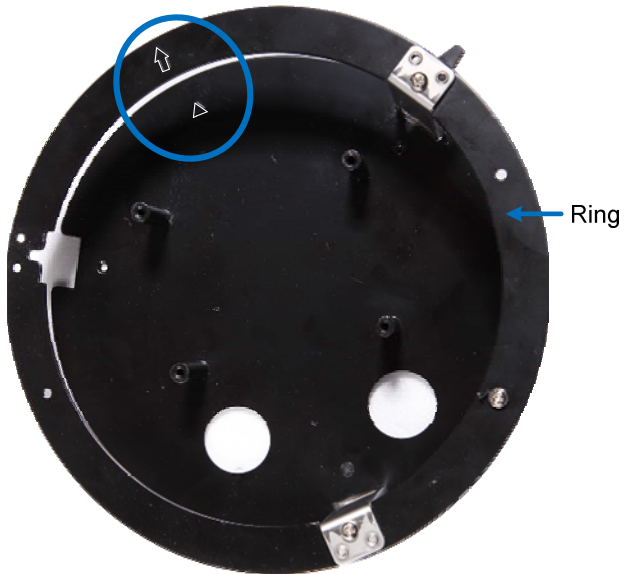
- GV-Mount914
-

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).



3 Installing the Vandal Proof IP Dome (Part II)

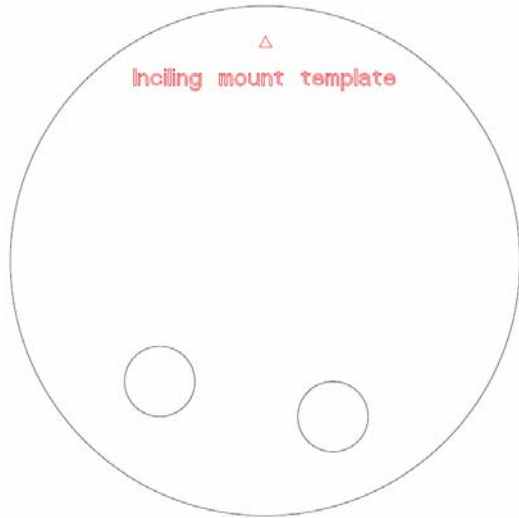
- B. Assemble the in-ceiling ring (GV-Mount914, No. 4). Make sure the arrows point to the same direction.



- 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).



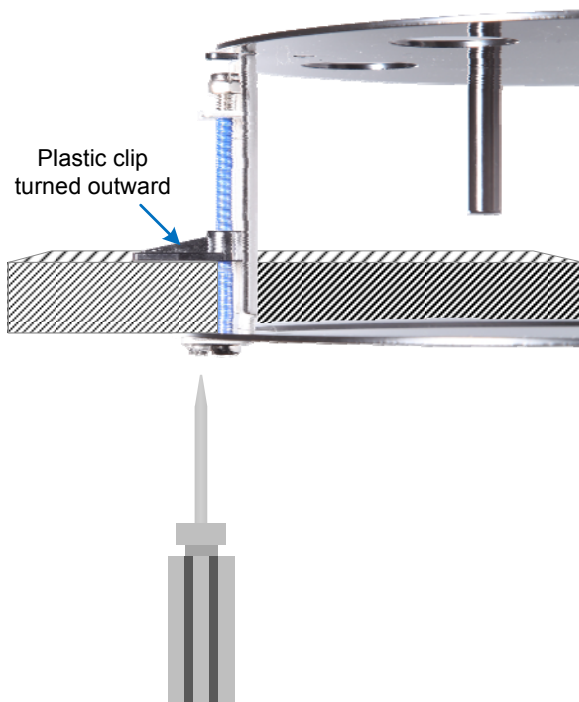
2. Paste the sticker (GV-Mount914, No. 5) to the ceiling, and then remove the part of the ceiling with sticker on.



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.

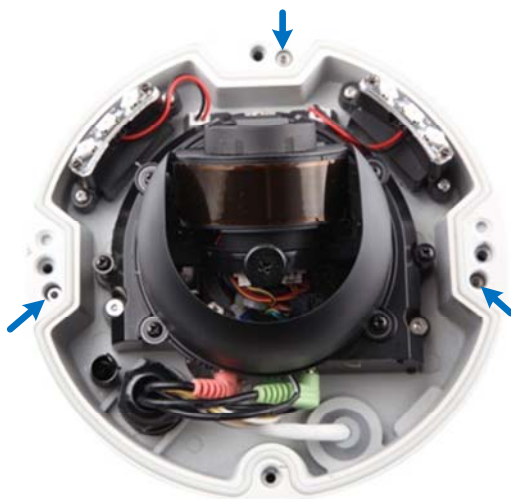


3 Installing the Vandal Proof IP Dome (Part II)

- 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.



- Connect the wires to the camera. For details, see steps 1 to 4, *Installation, Vandal Proof IP Dome (Part II) Chapter, GV-IPCam H.264 Hardware Manual - VD* on the software DVD.
- Secure the camera to the back plate using the torx wrench (standard package).



- Refer to the indicated sections of the manuals on the software DVD:
 - Access live view. See *Accessing the Live View, Getting Started Chapter, GV-IPCam H.264 Firmware Manual*.
 - Adjust the angle, focus and zoom of the camera. See step 9 in *Installation, Vandal Proof IP Dome (Part II) Chapter, GV-IPCam H.264 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 H.264 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).



4. Installing the Fixed IP Dome

4.1 Basic Installation

4.1.1 Assembling the Fixed IP Dome with the Dome Housing



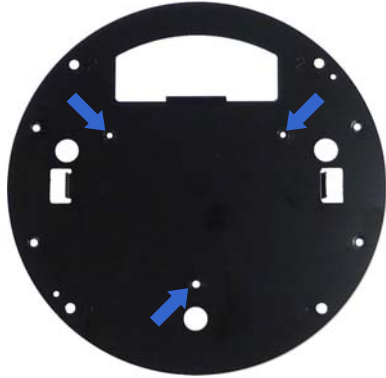
Required accessories:

- 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

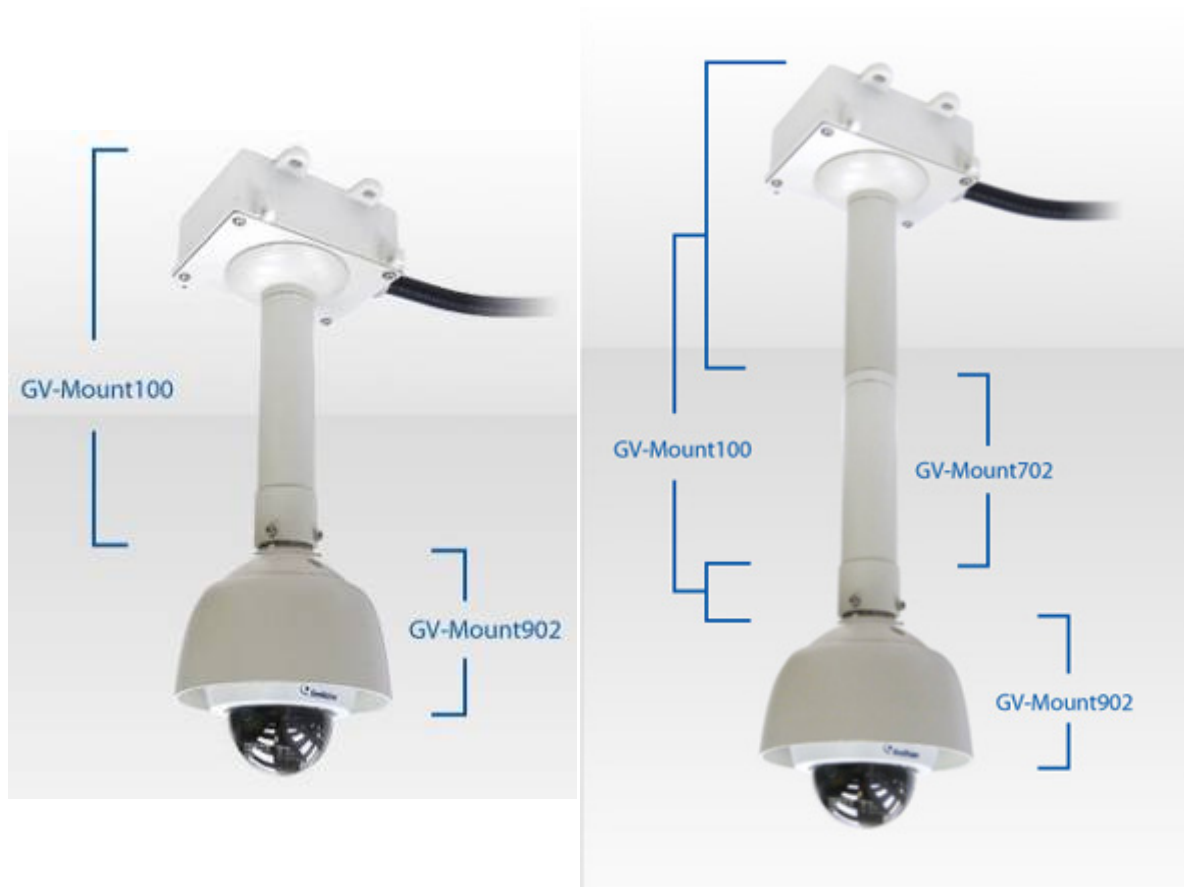
1. Secure the right and left rack (GV-Mount902, No. 5) to the housing cover.



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", \varnothing 26.0 ~ 26.5 mm)



Optionally extend with:

- GV-Mount702
-

4 Installing the Fixed IP Dome

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.

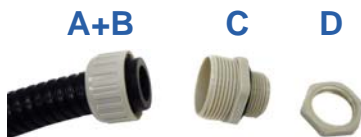


3. Assemble the corrugated tube connector (GV-Mount100, No. 6) with the self-prepared corrugated tube.

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

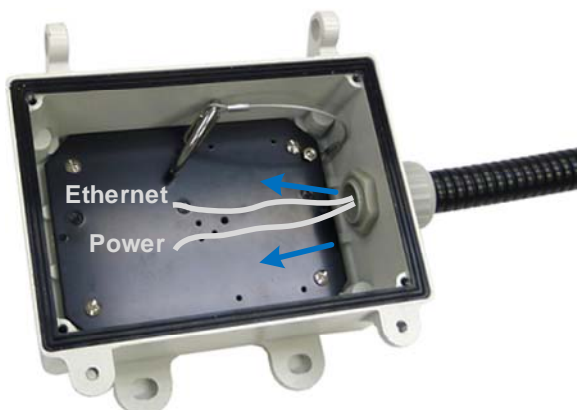


B. Slide part A and part B to the self-prepared corrugated tube.



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 H.264 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 H.264 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
-

4 Installing the Fixed IP Dome

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 H.264 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 H.264 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 H.264 Hardware Manual - FD**.
8. Put on the housing cover. See *4.1.2 Putting on the Housing Cover*.

4.4 Wall Mount



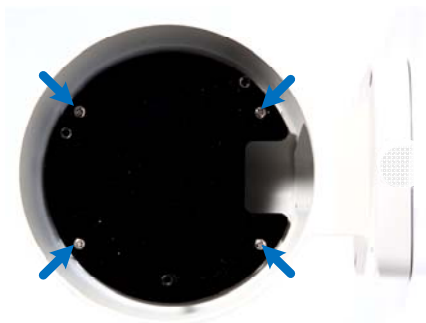
Required accessories:

- GV-Mount205
-

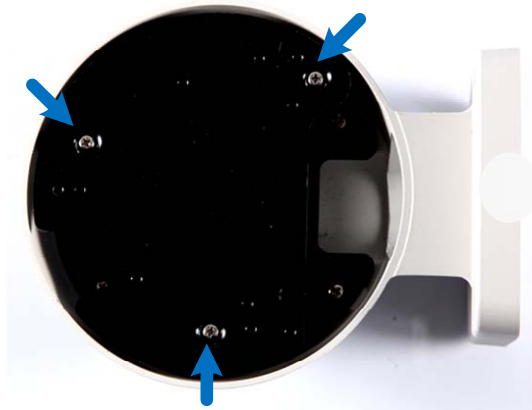
1. Take the wall mount bracket (GV-Mount205, No. 1) and make 4 marks on the wall for screw anchors.



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).



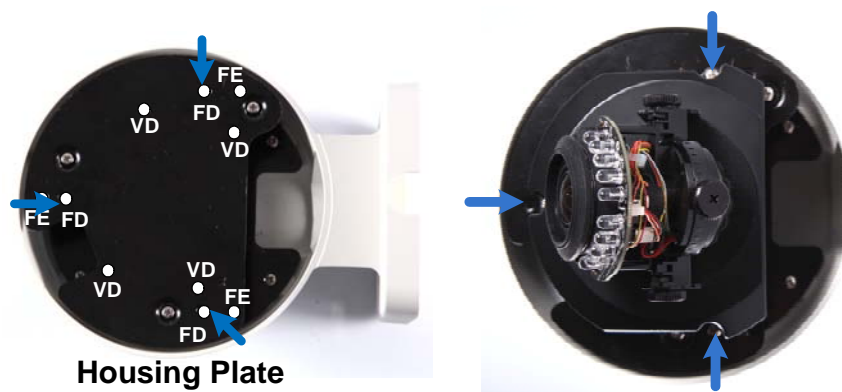
4. Align and secure the housing plate (GV-Mount205, No. 3) to the mounting plate with 3 M4 screws (GV-Mount205, No. 4).



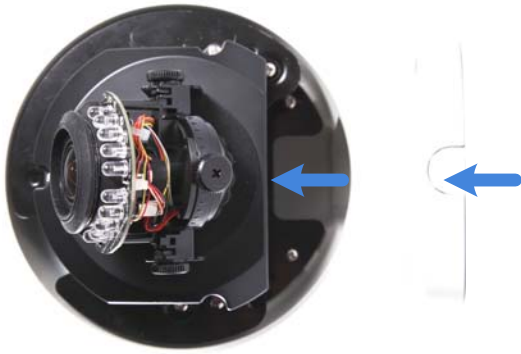
5. Unpack and remove the camera cover with supplied torx wrench.



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 H.264 Hardware Manual - FD**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 Hardware Manual - FD**.

4.5 L-Shaped Wall Mount



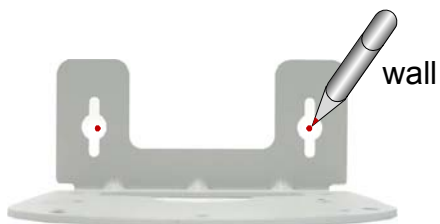
Required accessories:

- GV-Mount900
-

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



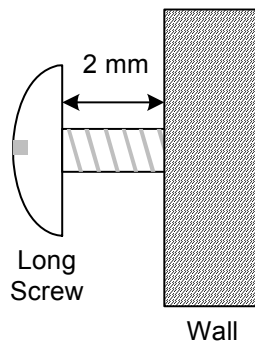
2. Take the wall mount bracket (GV-Mount900, No. 1) and make 2 marks on the wall for screw anchors.



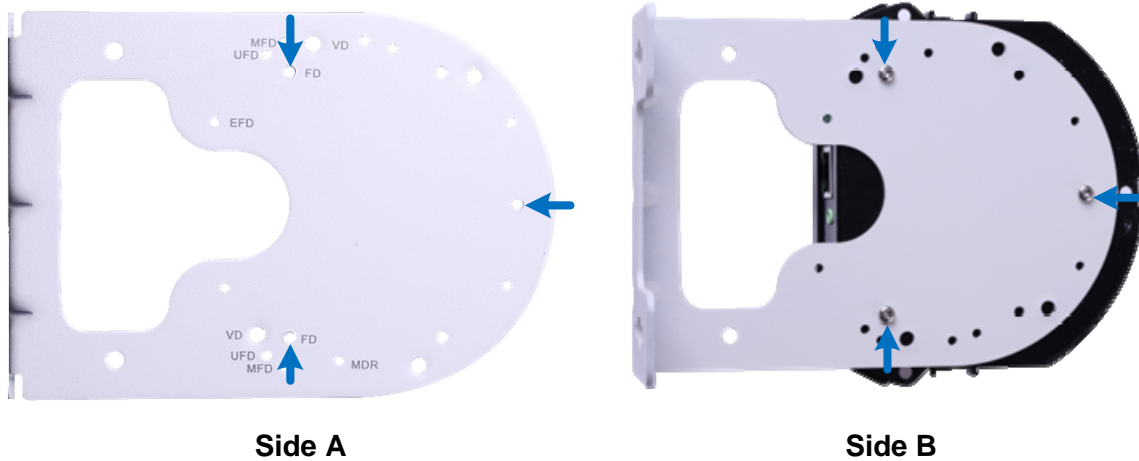
3. Drill the marks and insert 2 screw anchors (GV-Mount900, No. 2).

4 Installing the Fixed IP Dome

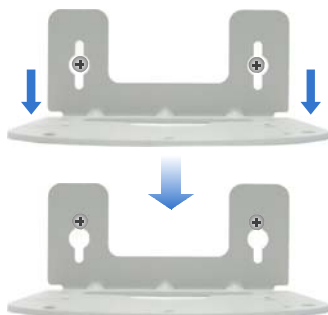
4. Insert the wall mount screws (GV-Mount900, No. 3) and leave enough distance (approximately 2 mm) to hang the wall mount bracket later.



5. Align and secure the camera body with the wall mount bracket with three M3 screws (GV-Mount900, No. 4).



6. Hang the wall mount bracket on the wall mount screws and push the wall mount bracket downward. Tighten the wall mount screws to the wall.



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, Fixed IP Dome* Chapter, ***GV-IPCam H.264 Hardware Manual - FD***.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, ***GV-IPCam H.264 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 H.264 Hardware Manual - FD***.

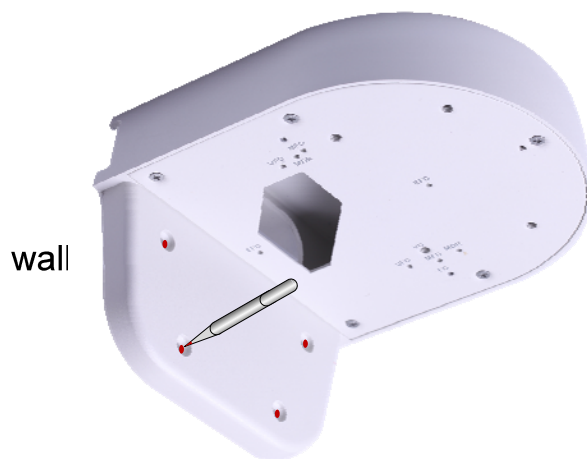
4.6 Wall Box Mount



Required accessories:

- GV-Mount909
-

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

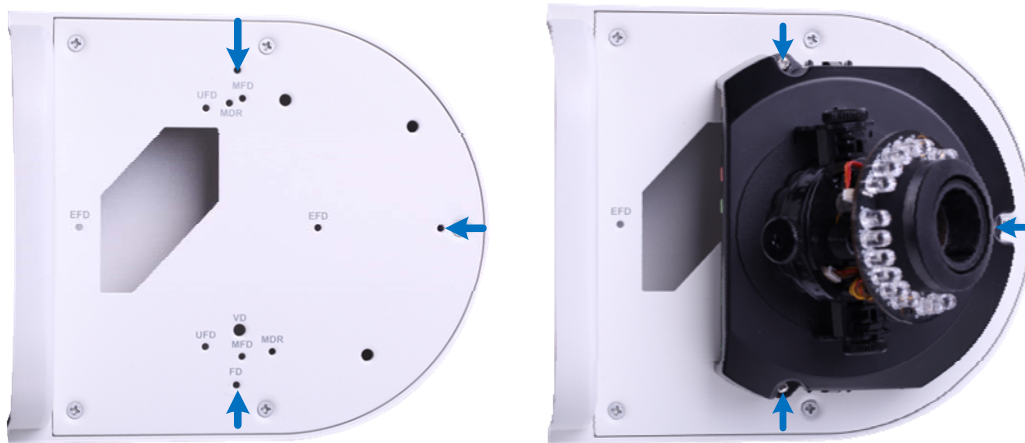


2. Drill the marks and insert screw anchors (GV-Mount909, No. 2).
3. Secure the wall mount bracket to the wall with wall mount screws (GV-Mount909, No. 3).

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 H.264 Hardware Manual - FD**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 Hardware Manual - FD**.

4.7 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 H.264 Hardware Manual - FD**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 Firmware Manual**.
 - C. Adjust the angle, focus and zoom. See steps 6 and 7 in *Hard-Ceiling Mount, Fixed IP Dome* Chapter, **GV-IPCam H.264 Hardware Manual - FD**.
5. Put on the housing cover. See 4.1.2 *Putting on the Housing Cover*.

4.8 Convex Corner Mount



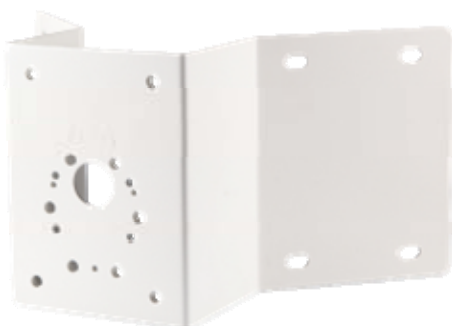
Required accessories:

- GV-Mount200
- GV-Mount300
- 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, No. 1), slide in the plain washer (GV-Mount300, No. 4), then the split washer (GV-Mount300, No. 5), and secure them with the screw cap (GV-Mount300, No. 6).



3. Secure the pendant tube (GV-Mount200, No. 1) to the plate. Slide the 30 mm M8 screws (GV-Mount300, No. 2) from the front and secure from the backside using plain washers (GV-Mount300, No. 4), split washers (GV-Mount300, No. 5) and the M8 screw caps (GV-Mount300, 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 H.264 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 H.264 Firmware Manual**.
 - B. Adjust the angle, focus and zoom. See steps 6 and 7 in *Hard-Ceiling Mount, Fixed IP Dome* Chapter, **GV-IPCam H.264 Hardware Manual - FD**.
8. Put on the housing cover. See 4.1.2 *Putting on the Housing Cover*.

4.9 Convex Corner Box Mount



Required accessories:

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

The user needs to prepare:

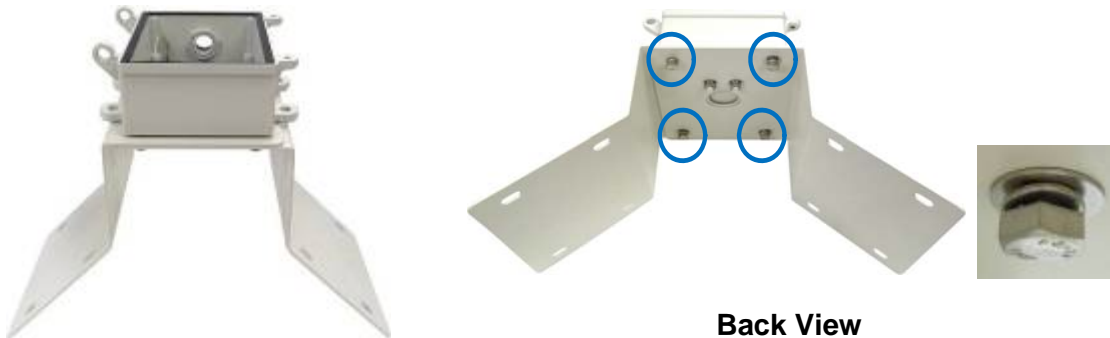
- Screws for wall x 8
- Corrugated tube x 1 (3/4", \varnothing 26.0 ~ 26.5 mm)



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, No. 1), slide in the plain washer (GV-Mount300, No. 4), then the split washer (GV-Mount300, No. 5), and secure them with the screw cap (GV-Mount300, 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, No. 3), plain washer (GV-Mount300, No. 4), split washer (GV-Mount300, No. 5) and the M8 screw cap (GV-Mount300, No. 6).

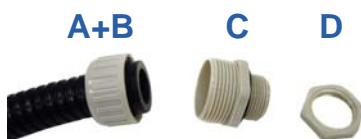


4. Secure the mounting plate to the wall with 8 self-prepared screws. Face the conduit exit downward.
5. Assemble the corrugated tube connector (GV-Mount203, No. 4) with the self-prepared corrugated tube.

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



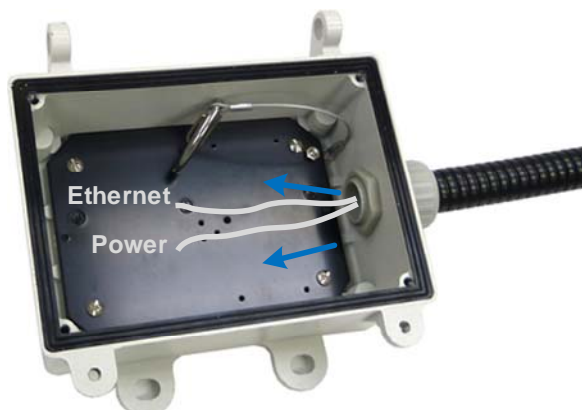
B. Slide part A and part B to the self-prepared corrugated tube.



C. Screw part C to the tube.

4 Installing the Fixed IP Dome

- 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 H.264 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 H.264 Firmware Manual**.
 - B. Adjust the angle, focus and zoom. See steps 6 and 7 in *Hard-Ceiling Mount, Fixed IP Dome* Chapter, **GV-IPCam H.264 Hardware Manual - FD**.
11. Put on the housing cover. See *4.1.2 Putting on the Housing Cover*.

4.10 Concave Corner Mount



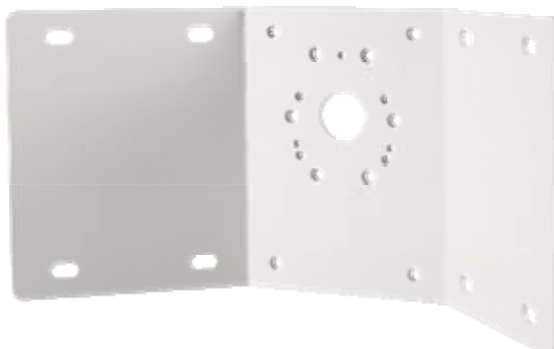
Required accessories:

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

The user needs to prepare:

- Screws for wall x 8
-

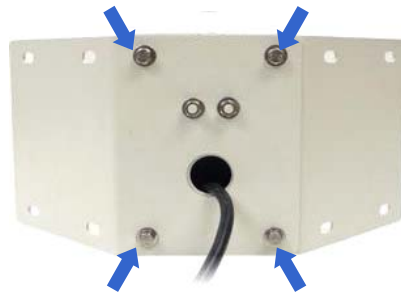
1. Assemble the camera with the dome housing. See *4.1.1 Assembling the Fixed IP Dome with the Dome Housing*.
2. Assemble the mounting plates (GV-Mount310, No. 1), slide in the plain washer (GV-Mount310, No. 3), then the split washer, and secure them with the screw cap.



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



Front View



Back View



- Thread the necessary wires and cables through the pendant tube and secure the plate to the wall with 8 self-prepared screws.
- Connect the network, power and other cables to the camera. See *Connecting the Camera, Fixed IP Dome* Chapter, **GV-IPCam H.264 Hardware Manual - FD** on the software DVD.
- Secure the pendant tube to the end of the housing cap (GV-Mount902, No. 2) with M6 screws (GV-Mount902, No. 4).
- Refer to the indicated sections of the manuals on the software DVD:
 - Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 Firmware Manual**.
 - Adjust the angle, focus and zoom. See steps 6 and 7 in *Hard-Ceiling Mount, Fixed IP Dome* Chapter, **GV-IPCam H.264 Hardware Manual - FD**.
- Put on the housing cover. See *4.1.2 Putting on the Housing Cover*.

4.11 Pole Mount



Required accessories:

- GV-Mount200
 - GV-Mount400 or GV-Mount410
 - 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 / GV-Mount410, No. 1). Slide the 30 mm M8 screws (GV-Mount400 / GV-Mount410, No. 3) from the front and secure from the backside using plain washer (GV-Mount400 / GV-Mount410, No. 5), split washer (GV-Mount400 / GV-Mount410, No. 6) and screw cap (GV-Mount400 / GV-Mount410, 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 / GV-Mount410, 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 H.264 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 H.264 Firmware Manual**.
 - B. Adjust the angle, focus and zoom. See steps 6 and 7 in *Hard-Ceiling Mount, Fixed IP Dome* Chapter, **GV-IPCam H.264 Hardware Manual - FD**.
7. Put on the housing cover. See *4.1.2 Putting on the Housing Cover*.

4.12 Pole Box Mount



Required accessories:

- GV-Mount203
- GV-Mount400 or GV-Mount410
- GV-Mount902

The user needs to prepare:

- Corrugated tube x 1 (3/4", \varnothing 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 / GV-Mount410, No. 1) and the junction box (GV-Mount203, No. 1) from the backside using 25 mm M8 screws (GV-Mount400 / GV-Mount410, No. 4), plain washer (GV-Mount400 / GV-Mount410, No. 5) and split washers (GV-Mount400 / GV-Mount410, No. 6).



Backside View

3. Secure the mounting bracket to the pole using 3 steel straps (GV-Mount400 / GV-Mount410, No. 2). Rotate the screw on the strap to adjust its size. Face the conduit exit downward.

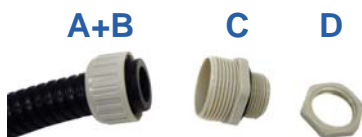


4. Assemble the corrugated tube connector (GV-Mount203, No. 4) with the self-prepared corrugated tube.

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



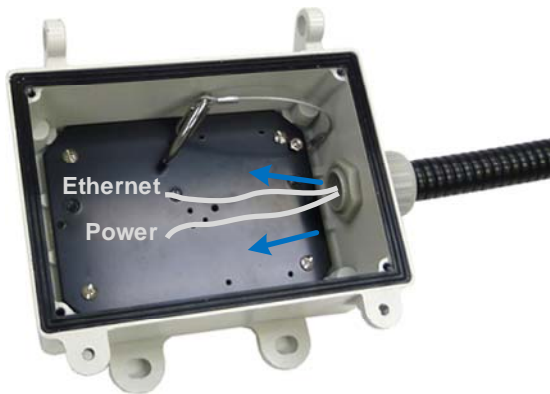
- B. Slide part A and part B to the self-prepared corrugated tube.



- C. Screw part C to the tube.

4 Installing the Fixed IP Dome

- 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 H.264 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 H.264 Firmware Manual**.
 - B. Adjust the angle, focus and zoom. See steps 6 and 7 in *Hard-Ceiling Mount, Fixed IP Dome* Chapter, **GV-IPCam H.264 Hardware Manual - FD**.
10. Put on the housing cover. See 4.1.2 *Putting on the Housing Cover*.

4.13 Power Box Mount



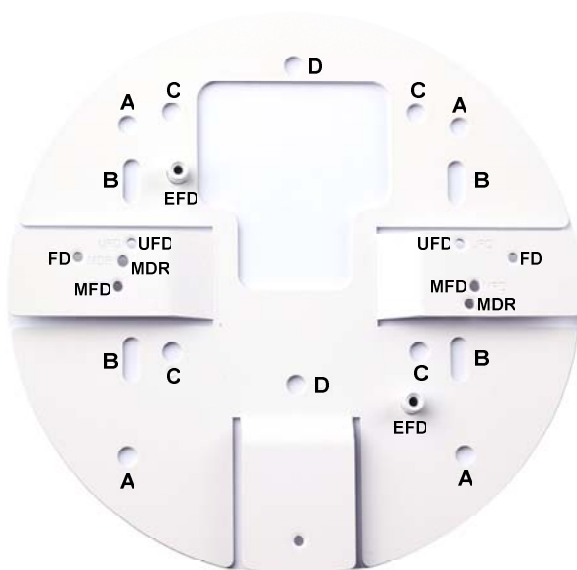
Required accessories:

- 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:

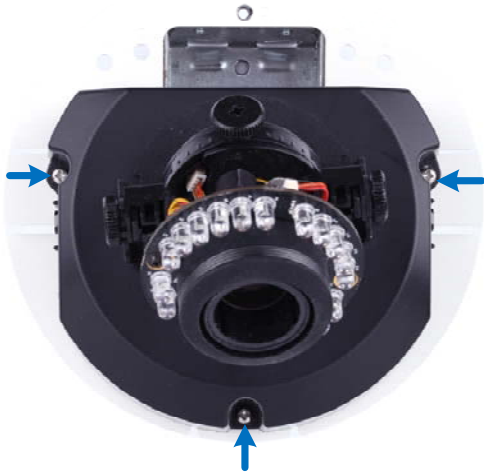


Type of Power Box	Hole
4" Square	A
Double Gang	B
4" Octagon	C
Single Gang	D

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 H.264 Hardware Manual - FD*.
 - B. Access the live view. See *Accessing the Live View, Getting Started Chapter, GV-IPCam H.264 Firmware Manual*.
 - C. Adjust the angle, focus and zoom. See steps 6 and 7 in *Hard-Ceiling Mount, Fixed IP Dome Chapter, GV-IPCam H.264 Hardware Manual - FD*.
5. Follow step 2 to put on the camera cover.

5. Installing the Fisheye Camera

5.1 Assembling the Fisheye Camera with the Dome Housing



Required accessories:

- GV-Mount903
-

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



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

5 Installing the Fisheye Camera

2. For **GV-FE3402 / 3403 / 5302 / 5303** and **GV-FER3402 / 3403 / 5302 / 5303**, install the camera piers.
 - A. Fasten the camera pier (GV-Mount903, No. 5) into the dome housing (GV-Mount903, No. 1).



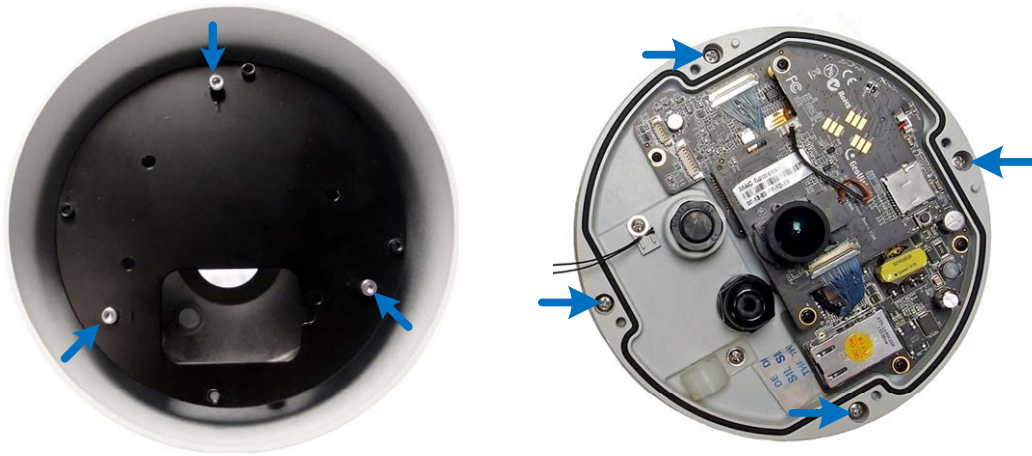
- B. Thread the camera cable through the dome housing and secure the camera to the piers using flat M4 screws (GV-Mount903, No. 6).



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, No. 3).



4. For GV-FER12203, secure the camera back plate to the dome housing with three M4 screws (GV-Mount903, 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-FER12203 and cameras with an IR LED ring, secure its safety lock to the camera and then fasten the screws.



5.2 Straight Tube Box Mount



Required accessories:

- GV-Mount100
- GV-Mount903

The user needs to prepare:

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



Optionally extend with:

- GV-Mount702
-

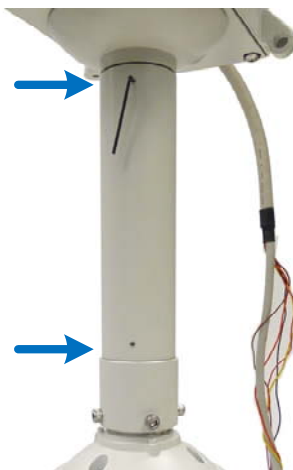
1. Assemble the camera to the dome housing. See *5.1 Assembling the Fisheye Camera with the Dome Housing*.
2. Assemble the tube (GV-Mount100, No. 3) and the tube connector (GV-Mount100, No. 4).



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

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

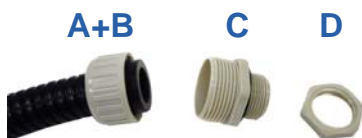


6. Assemble the corrugated tube connector (GV-Mount100, No. 6) with the self-prepared corrugated tube.

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

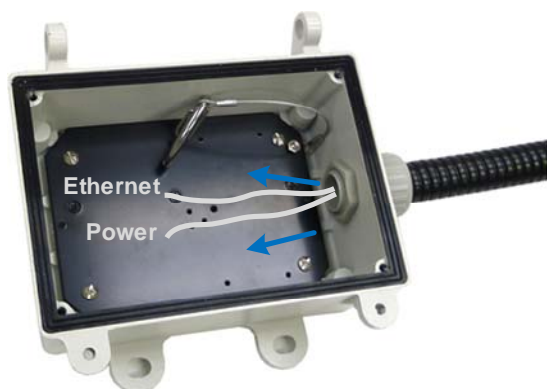


- B. Slide part A and part B to the self-prepared corrugated tube.



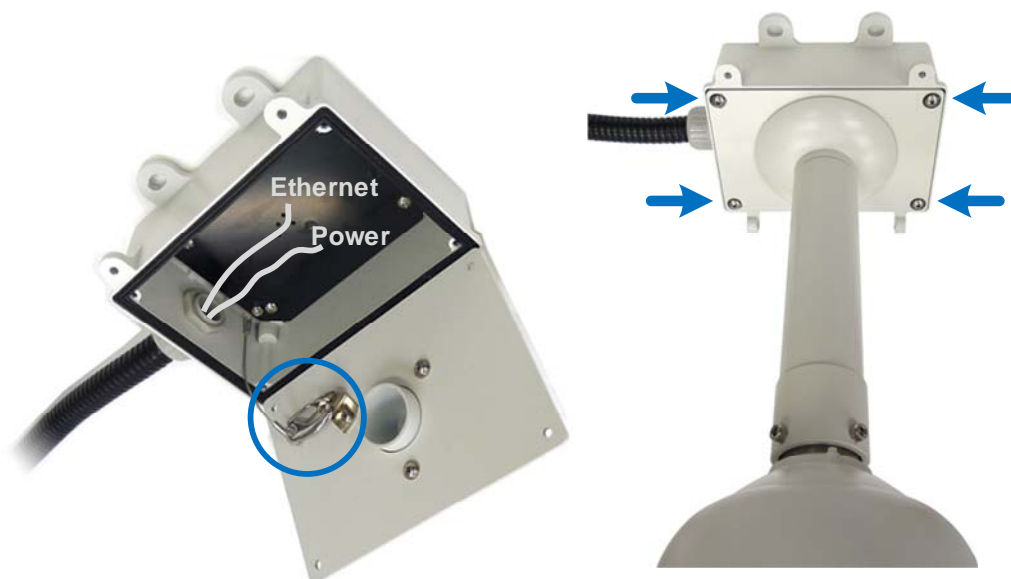
- C. Screw part C to the tube.

- 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 H.264 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 H.264 User's Manual* on the software DVD.

5.3 Straight Tube Mount



Required accessories:

- GV-Mount101
- GV-Mount903

The user needs to prepare:

- Screws for ceiling x 4

Optionally extend with:

- GV-Mount702
-

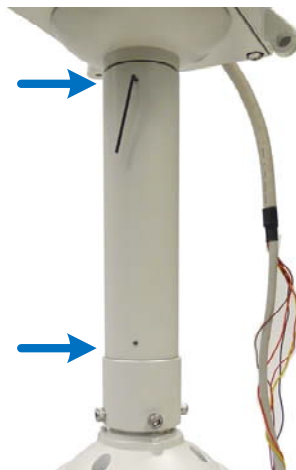
1. Assemble the camera with the dome housing. See *5.1 Assembling the Fisheye Camera with the Dome Housing*.
2. Assemble the tube (GV-Mount101, No. 2) and the tube connector (GV-Mount101, No. 3).



3. Thread the camera cable through the tube and secure the tube to the end of the housing cap (GV-Mount903, No.2) with M6 screws (GV-Mount903, 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 H.264 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-FER12203



Required accessories:

- GV-Mount205
-

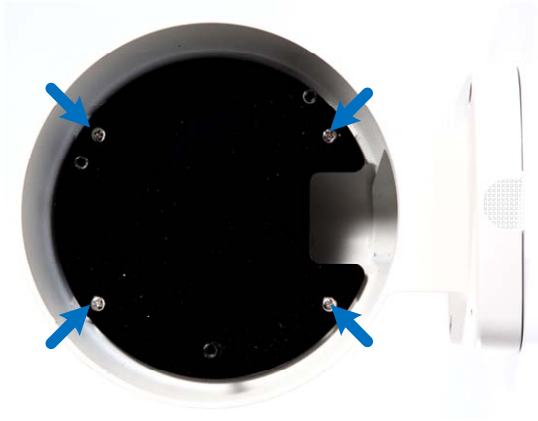
IMPORTANT: GV-FE2303 / 3403 / 4303 / 5303 with the POE converter are not supported.

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

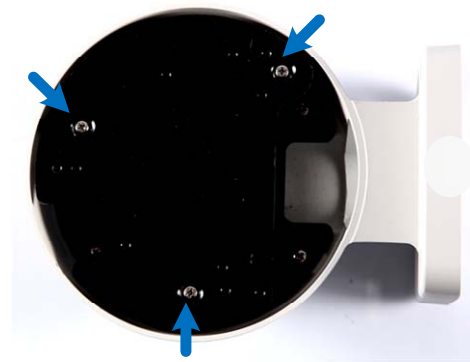


2. Drill the marks and insert screw anchors (GV-Mount205, No. 6).

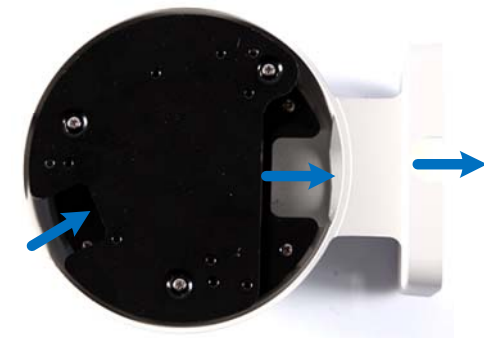
3. Align and secure the mounting plate (GV-Mount205, No. 2) to the wall mount bracket with 4 M4 screws (GV-Mount205, No. 4).



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

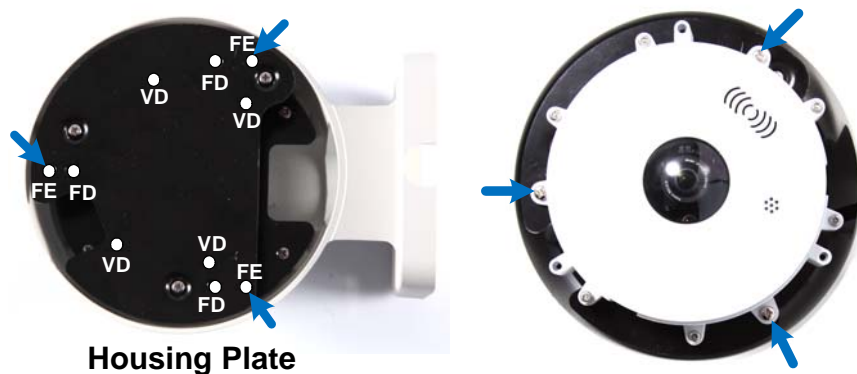


5. Thread the camera cable through the wall mount bracket as below.



5 Installing the Fisheye Camera

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 H.264 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-FER12203



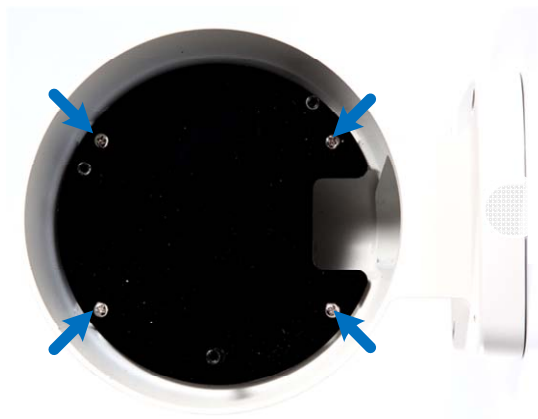
Required accessories:

- 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 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).

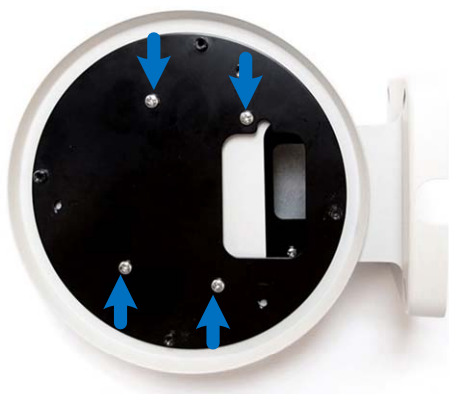


5 Installing the Fisheye Camera

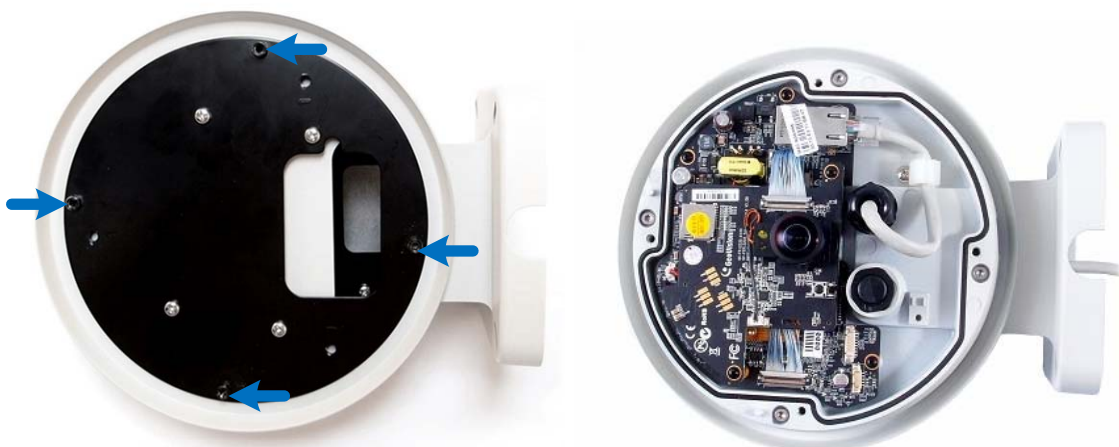
4. Align and secure the housing plate (GV-Mount206, No. 3) to the mounting plate with 3 M4 screws (GV-Mount206, No. 4).



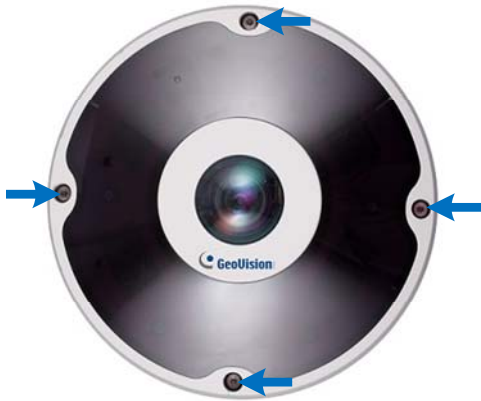
5. Secure the back plate of the camera onto the housing plate with 4 M4 screws (GV-Mount206, No. 4).



6. Thread the camera cable through the wall mount bracket.
7. Align and secure the camera to the back plate.



- Secure the camera cover using the supplied torx wrench.



- Secure the wall mount bracket to the wall with 40 mm M4 screws (GV-Mount206, No. 5) and plain washers (GV-Mount206, No. 7).
- Refer to the indicated sections of the *GV-Fisheye IP Camera H.264 User's Manual* on the software DVD to:
 - Connect the network, power and other cables to the camera. See *1.7 Connecting the Data Cable*.
 - Access the live view. See *2.1 Installing on a Network*.

5.5 Wall Pendant Mount



Required accessories:

- GV-Mount200
- GV-Mount903

The user needs to prepare:

- Screws for wall x 4
-

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



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

5.6 Tilting Wall Mount



Front View



Side View: Flat



Side View: Tilted

Required accessories:

- GV-Mount904
-

IMPORTANT: [GV-FER12203](#) does not support this installation method.

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

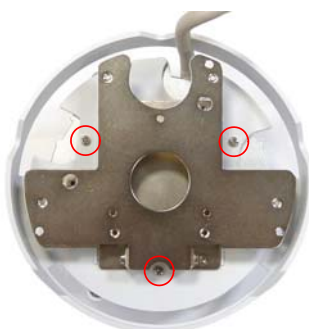
5 Installing the Fisheye Camera

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.



5.7 Convex Corner Mount



Required accessories:

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

The user needs to prepare:

- Screws for wall x 8
-

1. Assemble the camera with the dome housing. See *5.1 Assembling the Fisheye Camera 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, No.2) with M6 screws (GV-Mount903, No. 4).



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



4. Thread the camera cable and secure the pendant tube to the plates. Slide the 30 mm M8 screws (GV-Mount300, No. 2) from the front and secure from the backside using plain washer (GV-Mount300, No. 4), split washer (GV-Mount300, No. 5) and screw cap (GV-Mount300, 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 H.264 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:

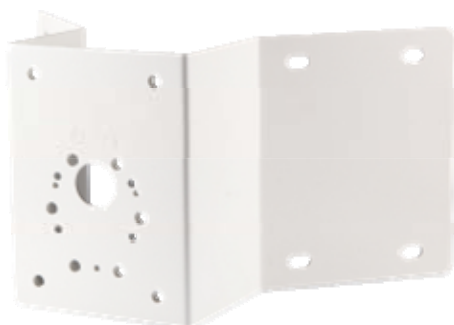
- GV-Mount203
- GV-Mount300
- GV-Mount903

The user needs to prepare:

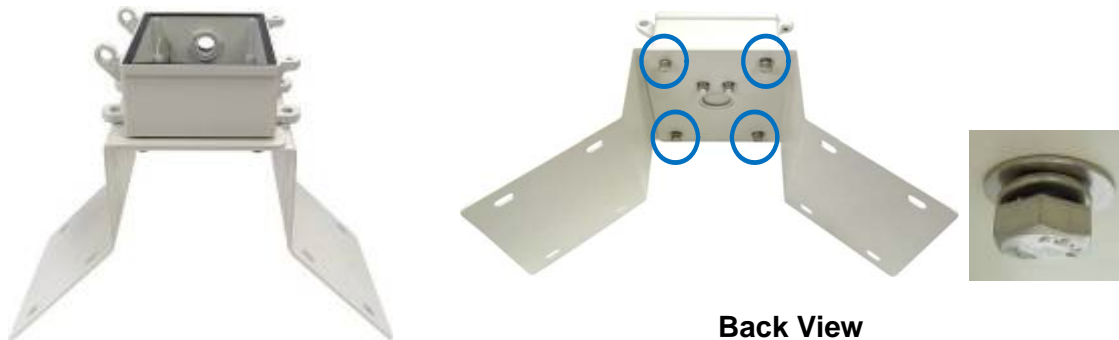
- Screws for wall x 8
- Corrugated tube x 1 (3/4", \varnothing 26.0 ~ 26.5 mm)



1. Assemble the camera with the dome housing. See *5.1 Assembling the Fisheye Camera with the Dome Housing*.
2. Assemble the mounting plates (GV-Mount300, No. 1), slide in the plain washer (GV-Mount300, No. 4), then the split washer (GV-Mount300, No. 5), and secure them with the screw cap (GV-Mount300, 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, No. 3), plain washer (GV-Mount300, No. 4), and split washer (GV-Mount300, No. 5).



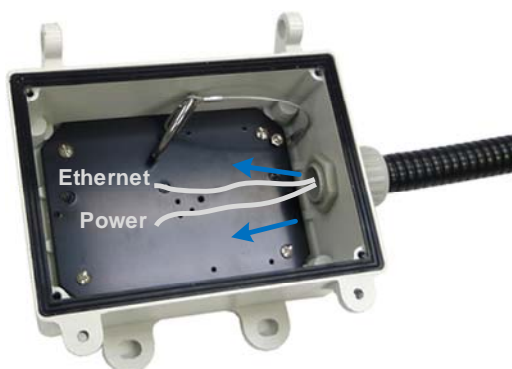
4. Secure the mounting plates to the wall with 8 self-prepared screws. Face the conduit exit downward.
5. Assemble the corrugated tube connector (GV-Mount203, No. 4) with the self-prepared corrugated tube.
 - A. Dismantle the supplied corrugated tube connector. You should have 4 parts.



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

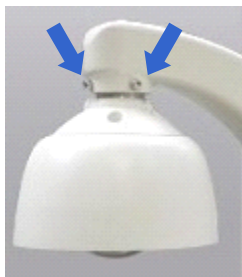


- C. Screw part C to the tube.
 - D. Thread the necessary wires and cables from the wall or the ceiling through the corrugated tube, plug the tube to the box and secure with part D.



5 Installing the Fisheye Camera

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, No. 2) with M6 screws (GV-Mount903, No. 4).

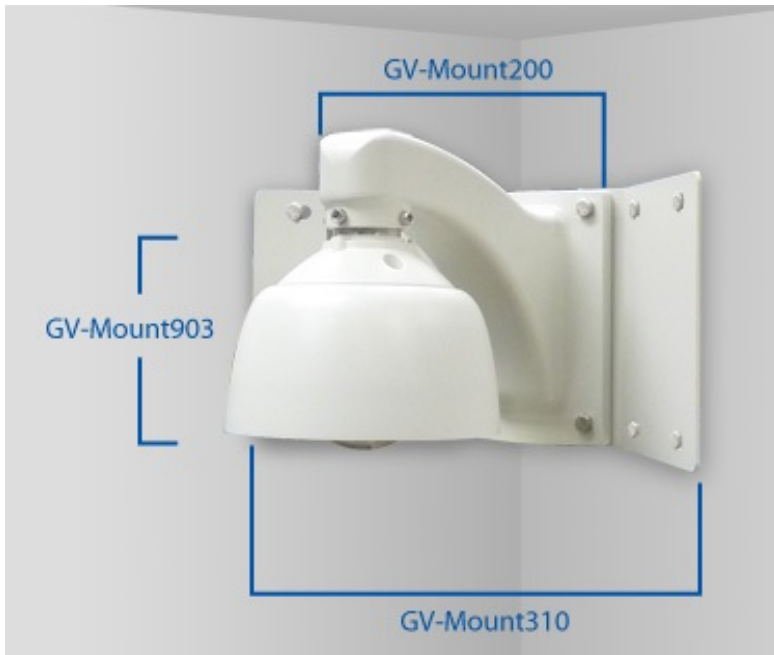


7. Hinge and hook the pendant tube to the junction box.



8. Connect the network, power and other cables to the camera. See *1.7 Connecting the Data Cable, GV-Fisheye IP Camera H.264 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 H.264 User's Manual* on the software DVD.

5.9 Concave Corner Mount



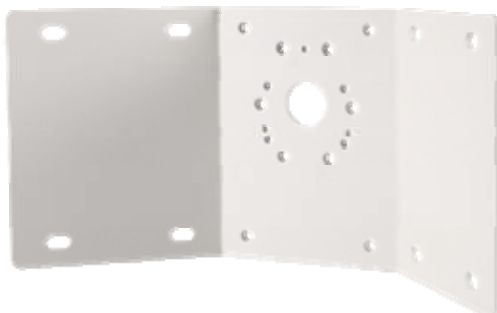
Required accessories:

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

The user needs to prepare:

- Screws for wall x 8

-
1. Assemble the camera with the dome housing. See *5.1 Assembling the Fisheye Camera with the Dome Housing*.
 2. Assemble the mounting plates (GV-Mount310, No. 1), slide in the plain washer (GV-Mount310, No. 3), then the split washer (GV-Mount310, No. 4), and secure them with the screw cap (GV-Mount310, No. 5).



5 Installing the Fisheye Camera

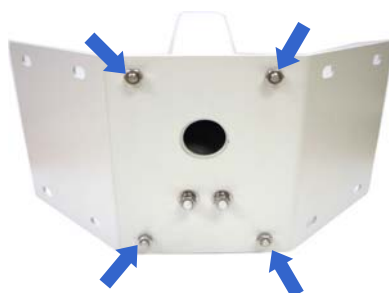
3. Thread the camera cable through the wall pendant tube (GV-Mount200, No. 1), and secure the tube to the end of the housing cap (GV-Mount903, No. 2) with M6 screws (GV-Mount903, No. 4).



4. Thread the camera cable and secure the pendant tube to the plates. Slide the 30 mm M8 screws (GV-Mount903, No. 2) from the front and secure from the backside using plain washer (GV-Mount903, No. 3), split washer (GV-Mount903, No. 4) and secure with M8 screw cap (GV-Mount903, No. 5).



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 H.264 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 or GV-Mount410
 - GV-Mount903
-

1. Assemble the camera with the dome housing. See *5.1 Assembling the Fisheye Camera with the Dome Housing*.
2. Secure the mounting bracket (GV-Mount400 / GV-Mount410, No. 1) to the pole using 3 steel straps (GV-Mount400 / GV-Mount410, No. 2). Rotate the screw on the strap to adjust its size.



5 Installing the Fisheye Camera

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, No. 2) with M6 screws (GV-Mount903, 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 / GV-Mount410, No. 3) from the front and secure from the backside using plain washer (GV-Mount400 / GV-Mount410, No. 5), split washer (GV-Mount400 / GV-Mount410, No. 6) and screw cap (GV-Mount400 / GV-Mount410, No. 7).



Backside View

5. Refer to the indicated sections of the **GV-Fisheye IP Camera H.264 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 or GV-Mount410
- GV-Mount903

Required accessories:

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



-
1. Assemble the camera with the dome housing. See *5.1 Assembling the Fisheye Camera with the Dome Housing*.
 2. Secure the junction box (GV-Mount203, No. 1) to the mounting bracket (GV-Mount400 / GV-Mount410, No. 1) from the backside using 25 mm M8 screws (GV-Mount400 / GV-Mount410, No. 4), plain washer (GV-Mount400 / GV-Mount410, No. 5) and split washers (GV-Mount400 / GV-Mount410, No. 6).



Backside View

5 Installing the Fisheye Camera

- Secure the mounting bracket to the pole using 3 steel straps (GV-Mount400 / GV-Mount410, No. 2). Rotate the screw on the strap to adjust its size. Face the conduit exit downward.

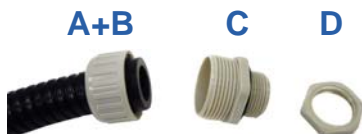


- Assemble the corrugated tube connector (GV-Mount203, No. 4) with the self-prepared corrugated tube.

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

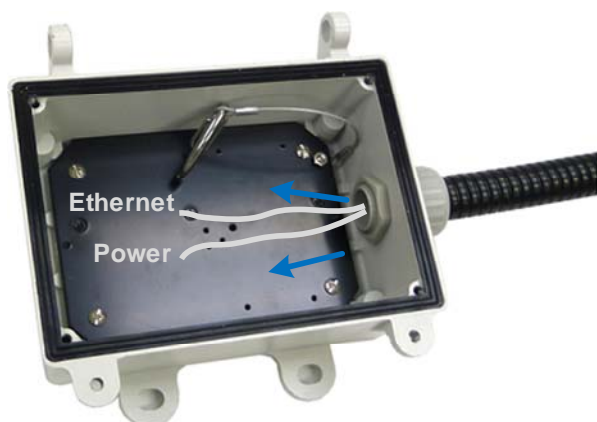


B. Slide part A and part B to the self-prepared corrugated tube.

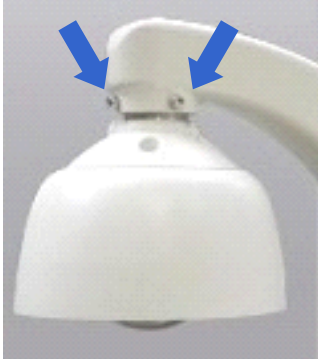


C. Screw part C to the tube.

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, No. 2) with M6 screws (GV-Mount903, No. 4).

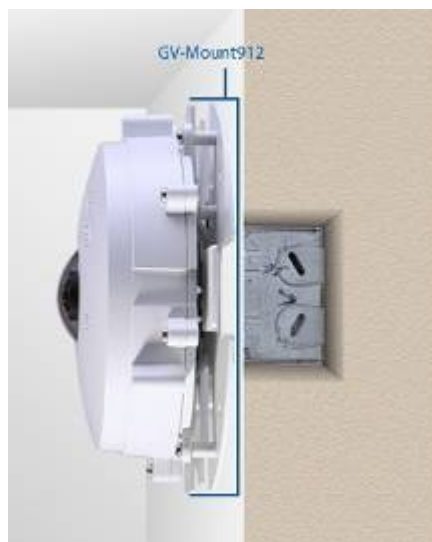


6. Hinge and hook the pendant tube to the junction box.



7. Connect the network, power and other cables to the camera. See *1.7 Connecting the Data Cable, GV-Fisheye IP Camera H.264 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 H.264 User's Manual* on the software DVD.

5.12 Power Box Mount



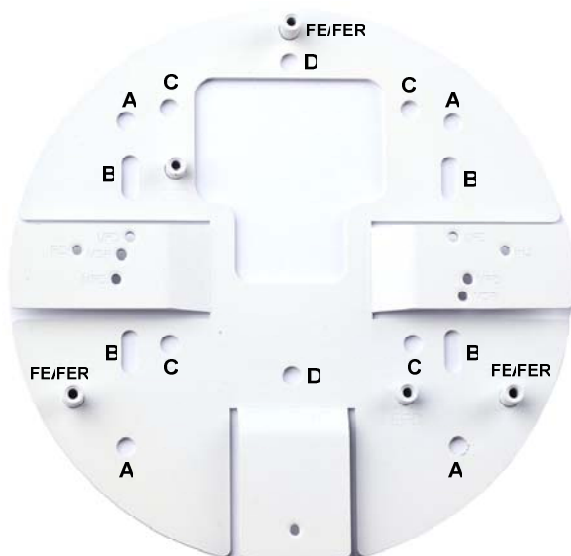
Required accessories:

- GV-Mount912

The user needs to prepare

- Screws for securing the mounting plate to power box
-

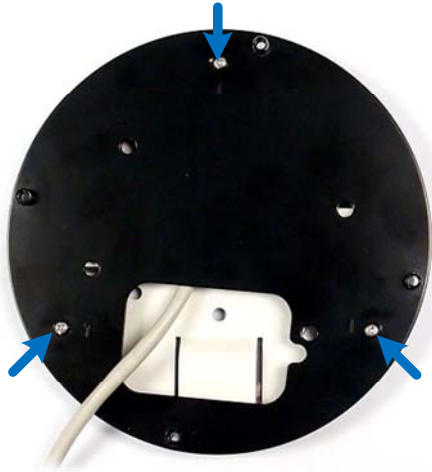
1. Secure the mounting plate (GV-Mount912, No. 1) to the power box with your own screws. Depending on the type of power box, use the holes indicated with the corresponding letter:



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

2. For **GV-FER12203**:

- 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 **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".



4. Refer to the indicated sections of the **GV-Fisheye Camera User's Manual on the software DVD** to:

- A. Connect the cables and wires. See *1.7 Connecting the Data Cable*.
- B. Access the live view. See *2.1 Installing on a Network*.

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.

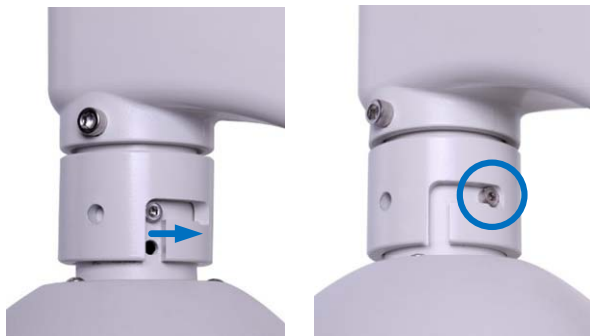


- B. Insert two desiccant packs to indicated positions.



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 / GV-SD2411



Required Item

- GV-SD2301 / 2411 standard package
-

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.

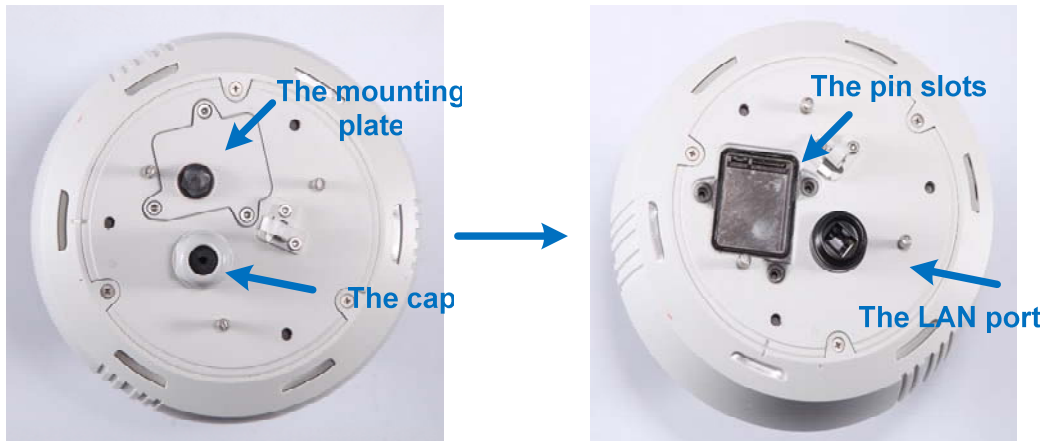
2. Connect the cables to the camera.

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



6 Installing the GV-IP Speed Dome

- 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.

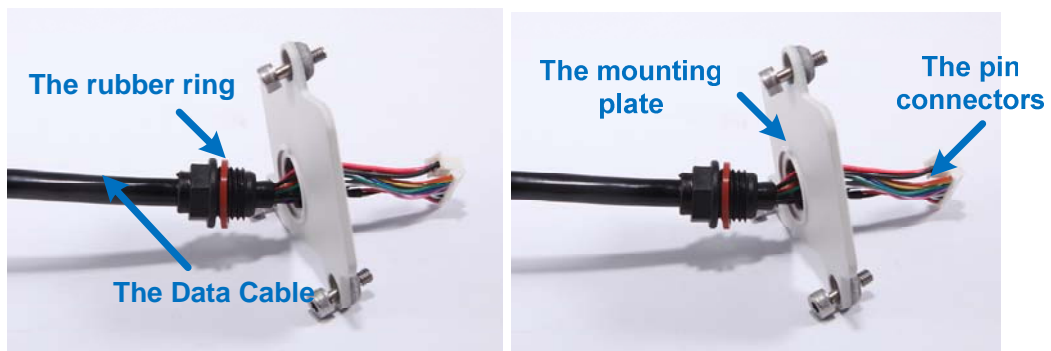


E. Move the cap and the components toward the LAN port.

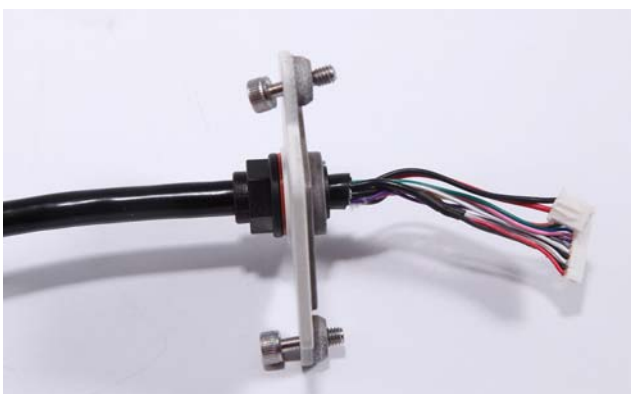


F. Secure the cap tightly.

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.

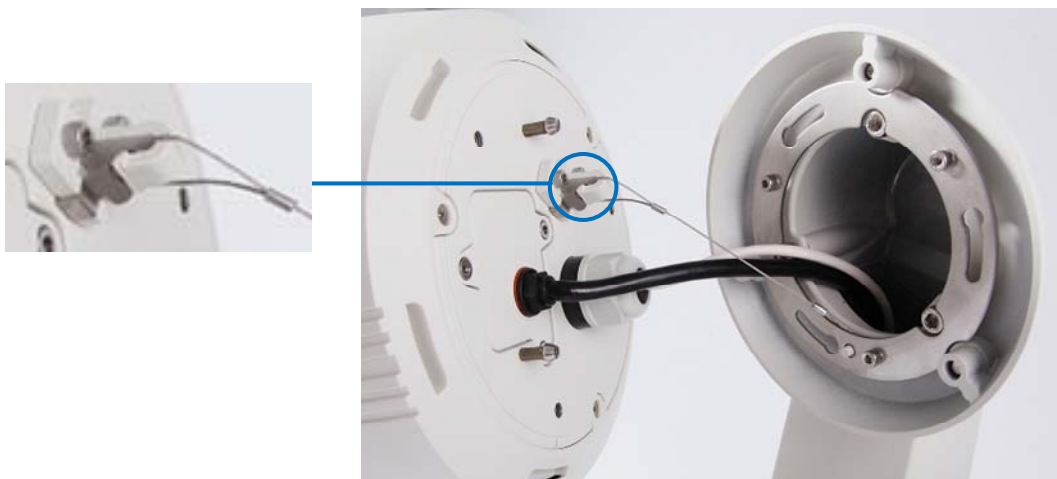


6 Installing the GV-IP Speed Dome

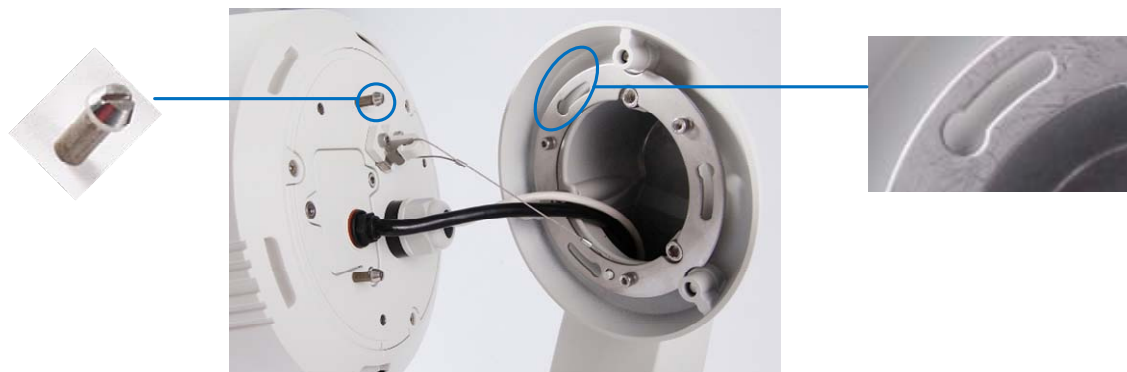
- I. Insert the pin connectors of the Data Cable to the indicated area.



- 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.

6.2 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
-

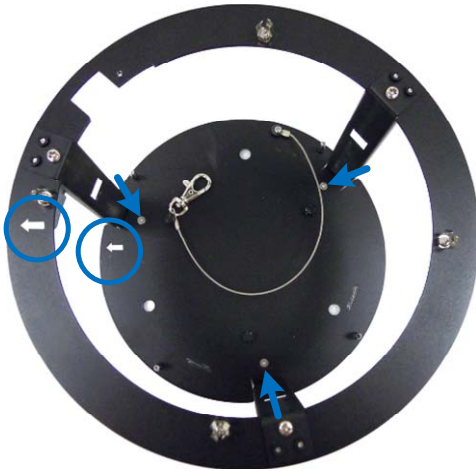
1. Assemble the support racks, mounting plate and the mounting ring.
 - A. Secure the three support racks (GV-Mount907, No. 1) to the mounting ring (GV-Mount907, No.2) from the underside with screws (GV-Mount907, No. 3).



- 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 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.

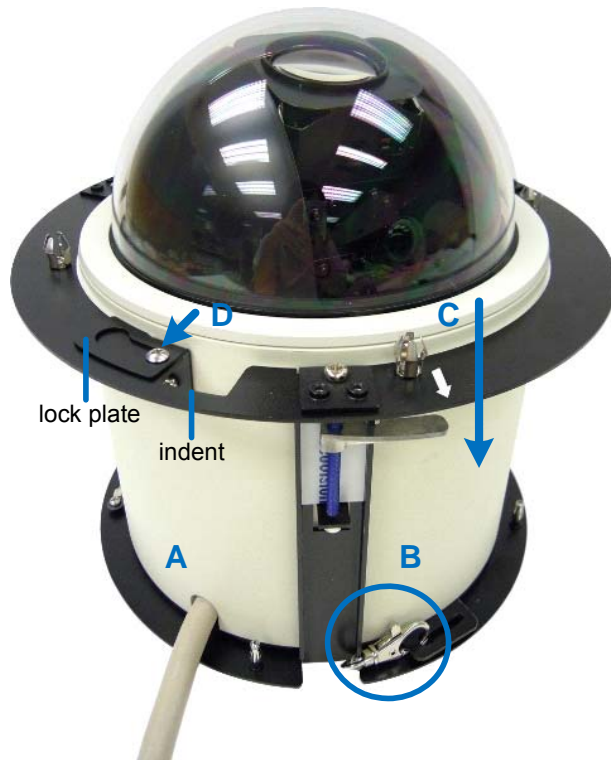
- A. Unscrew the screw on the side of the camera body with the supplied hex key (GV-Mount907, No. 6).



- 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* on the software CD/DVD.

6.2.2 GV-SD220-S / GV-SD2300



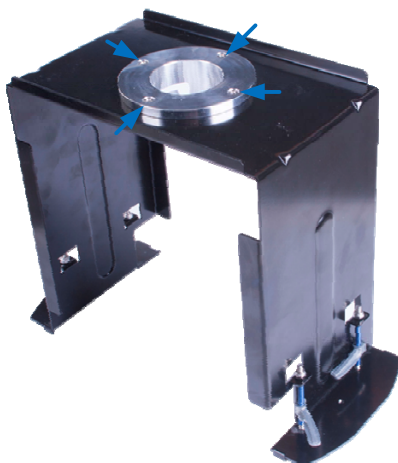
This installation method is only applicable to **GV-SD220-S** and **GV-SD2300**.

The complete installation weights 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) with 4 screws (GV-Mount908, No. 3).

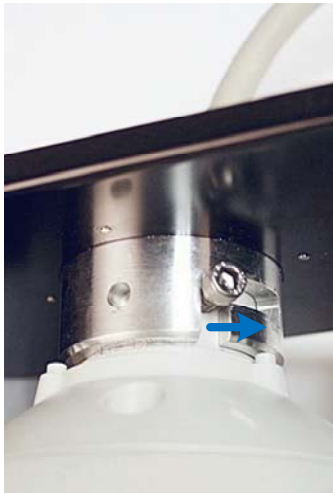


IMPORTANT: The housing cap only fits the mounting plate in a certain position. Rotate the housing cap on the mounting plate to make sure it fits tightly before securing it to the mounting plate.

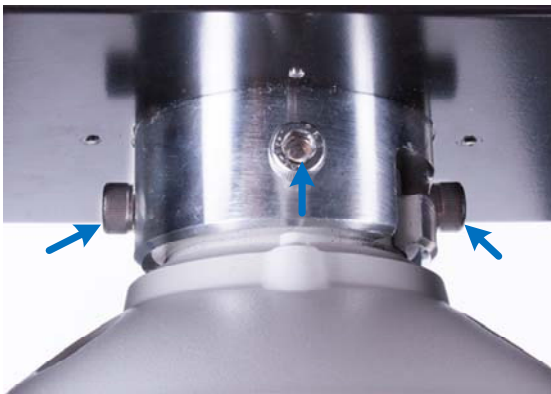
2. Remove the camera dome.



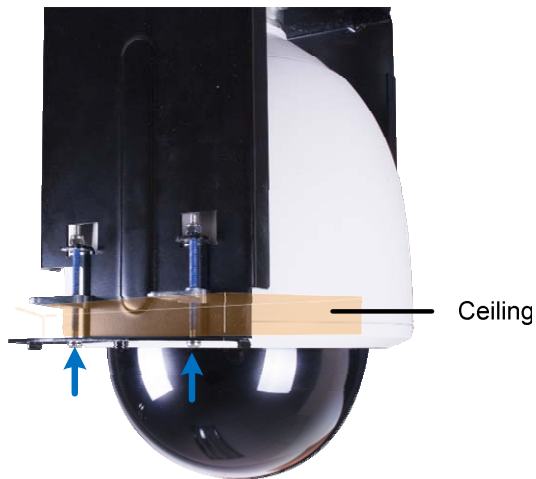
3. Secure the camera with the assembled mounting plate.
 - A. Put 2 screws (GV-Mount908, No. 4) loosely on the opposite sides of the camera.
 - B. Thread the camera data cable through the mounting plate and the housing cap.
 - C. Rotate the camera so that the screws lodge in the housing cap at the indicated position.



- D. Put on another 2 screws (GV-Mount908, No. 4) and use the 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* on the software CD/DVD.

6.2.3 GV-SD2301 / GV-SD2411



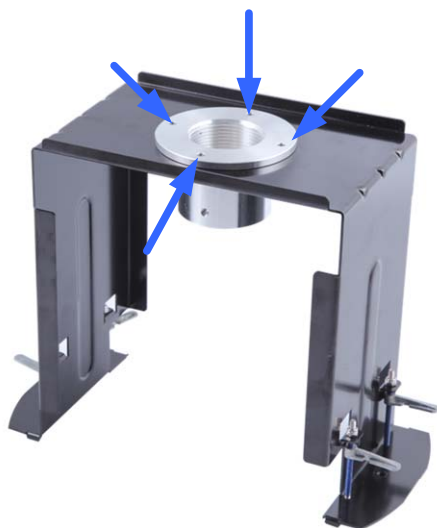
This installation method is only applicable to **GV-SD2301** and **GV-SD2411**.

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.

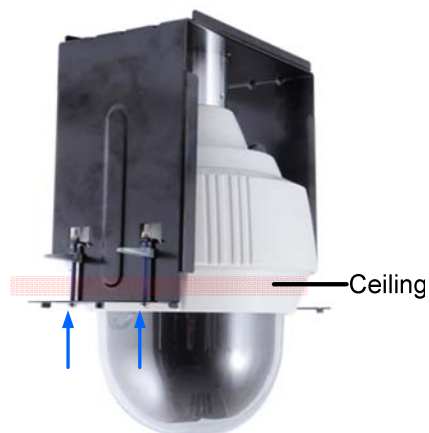
2. Assemble the mounting cap to the mounting plate by rotating the mounting cap onto the housing cap. Put on 2 screws (GV-Mount908-2, No. 6) and use the hex key (GV-Mount908-2, No.7) to secure both screws tightly.



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.



6 Installing the GV-IP Speed Dome

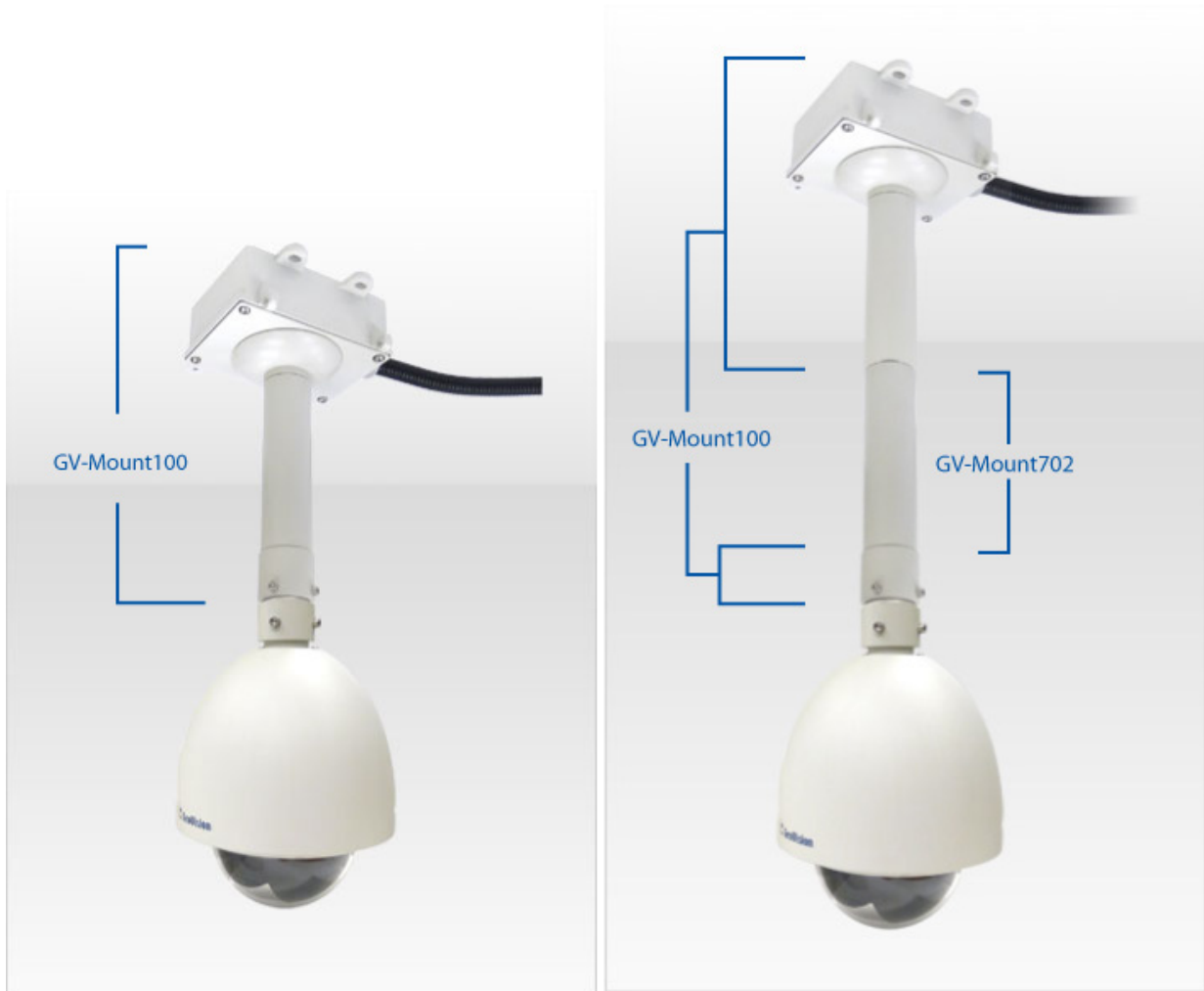
7. Secure the in-ceiling cover (GV-Mount908-2, No. 4) with 2 screws (GV-Mount908-2, No. 8) using the hex key (camera's standard package).



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

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", \varnothing 26.0 ~ 26.5 mm)

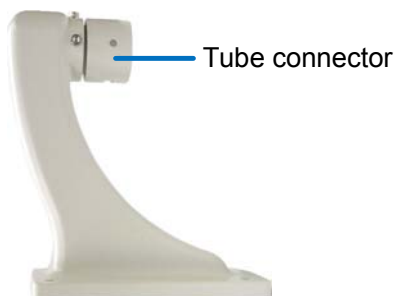


Optionally extend with:

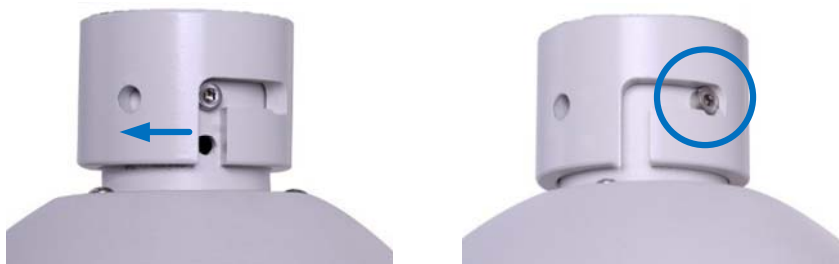
- GV-Mount702

6 Installing the GV-IP Speed Dome

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.

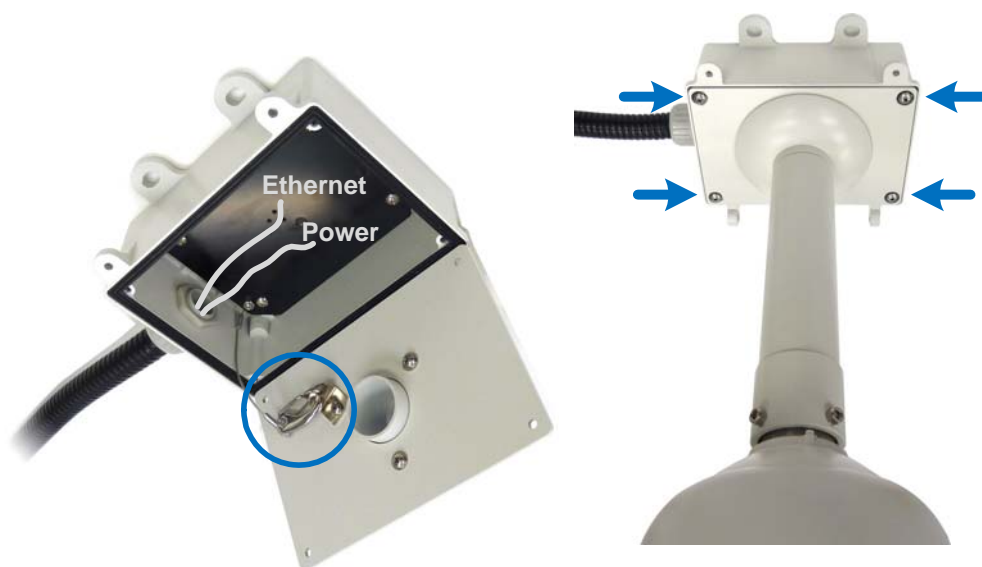


4. Assemble the tube (*GV-Mount100*, No. 3) and the tube connector (*GV-Mount100*, No. 4).



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* on the software CD/DVD.
8. Hinge and hook the box cover and secure it with M5 flat screws (GV-Mount100, No. 5).



6.3.2 GV-SD2301 / GV-SD2411



This installation method is only applicable to **GV-SD2301** and **GV-SD2411**.

Required accessories:

- GV-Mount102

The user needs to prepare:

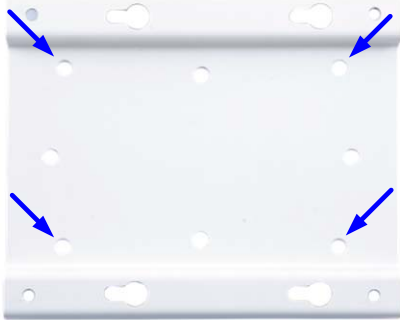
- Screws for ceiling x 4
- Corrugated tube x 1 (3/4", \varnothing 26.0 ~ 26.5 mm)



Optionally extend with:

- GV-Mount702
-

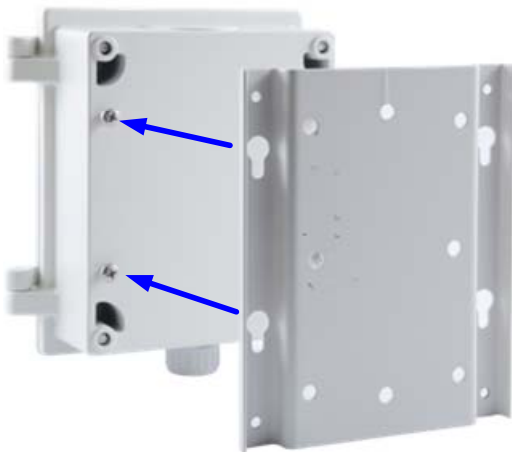
1. Follow step 1 in 6.1.2 *GV-SD2301 / GV-SD2411* to insert the desiccant packs and the SD card.
2. Secure the supporting plate (GV-Mount102, No. 3) to the ceiling with the 4 self-prepared screws.



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

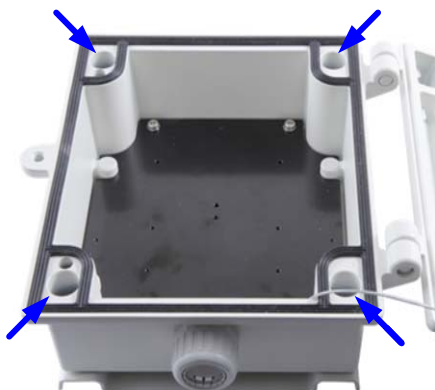


4. Hang the junction box onto the supporting plate. Slide the junction box sideways to lodge the 4 screws with the plate.

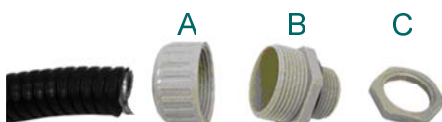


6 Installing the GV-IP Speed Dome

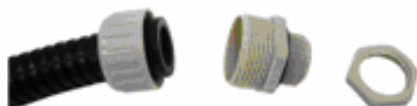
5. Fasten the 4 screws in the holes of the junction box using the supplied No. 6 torx wrench (GV-Mount102, No. 9).



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).



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



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



6 Installing the GV-IP Speed Dome

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



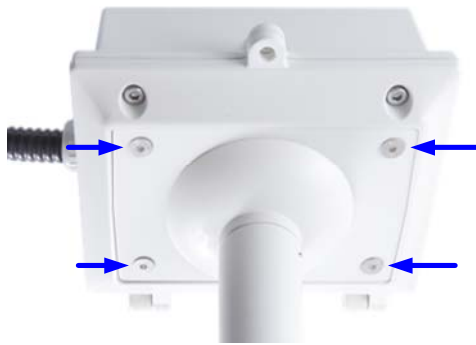
11. Make sure the tubes are properly screwed. Tighten the screws using the supplied No. 2 torx wrench (GV-Mount102, No. 8).



12. 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.
13. Rotate the camera onto the mounting cap, and secure the camera using the supplied No. 5 torx wrench (GV-Mount102, No. 7). For detailed installation procedures of the cameras, see 6.1.2 GV-SD2301 / GV-SD2411.



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

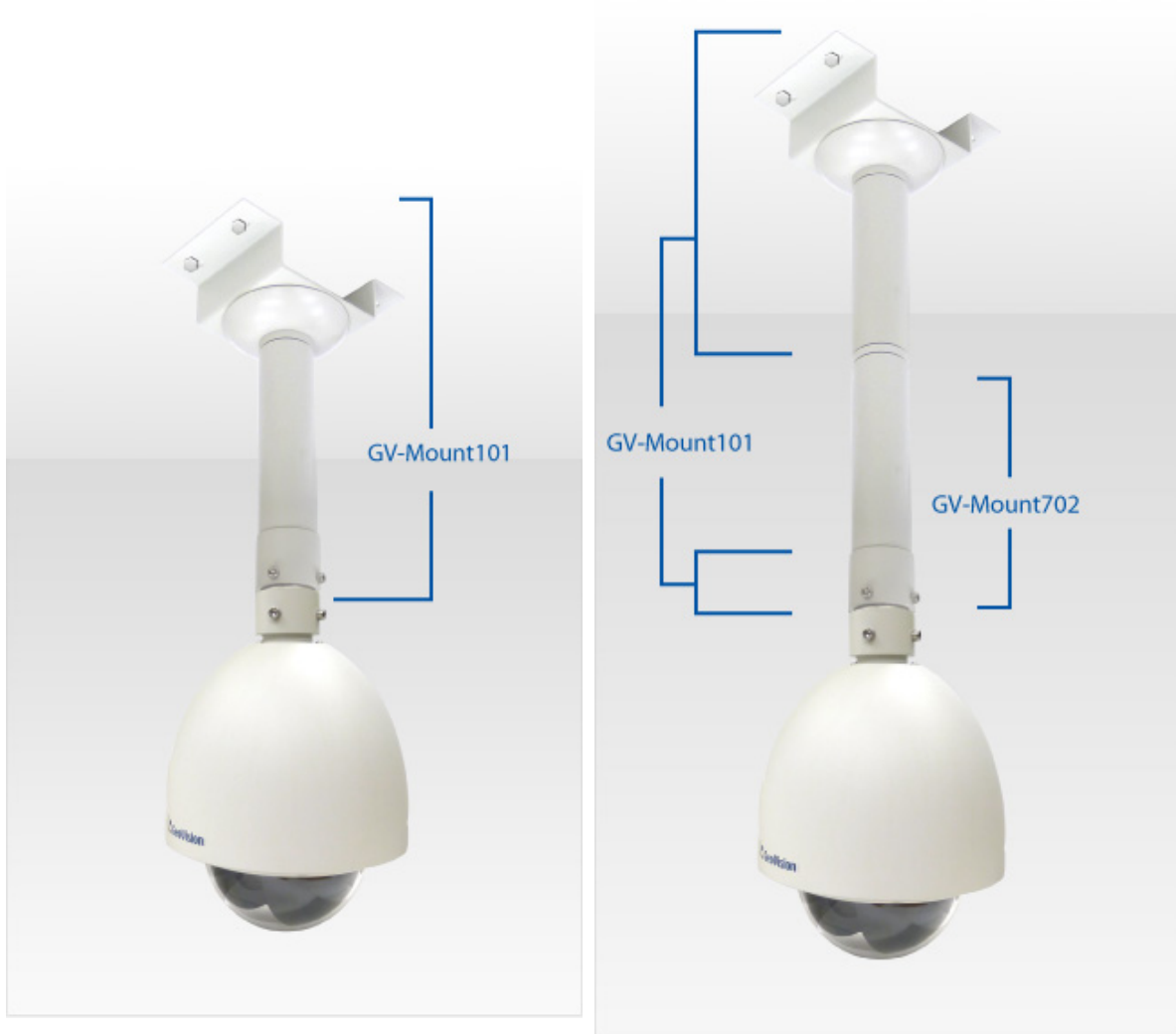


15. Secure the box cover by fastening the 2 screws at the corner with No. 6 torx wrench.



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

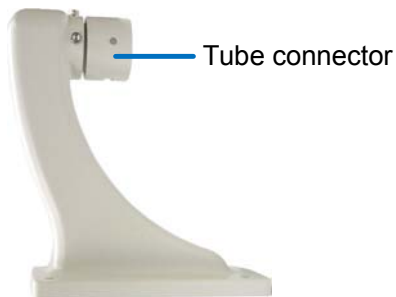
The user needs to prepare:

- Screws for ceiling x 4

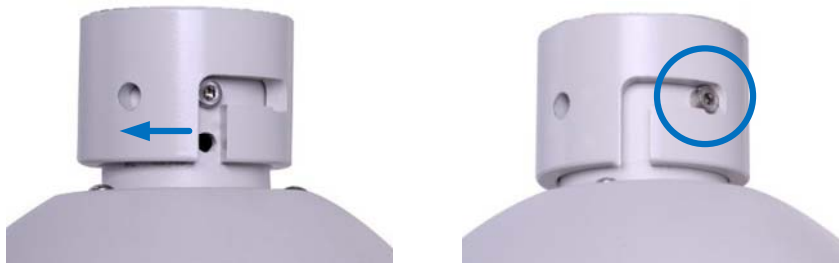
Optionally extend with:

- 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 M6 screws.

6 Installing the GV-IP Speed Dome

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* on the software CD/DVD.

6.4.2 GV-SD2301 / GV-SD2411



This installation method is only applicable to **GV-SD2301** and **GV-SD2411**.

Required accessories:

- GV-Mount103

The user needs to prepare:

- Screws for ceiling x 4

Optionally extend with:

- GV-Mount702

1.

1. Follow steps 1 to 3 in 6.1.2 *GV-SD2301 / GV-SD2411* to insert the desiccant packs and the SD card.

6 Installing the GV-IP Speed Dome

2. Assemble the tube (GV-Mount103, No. 3), the housing cap (GV-Mount103, No. 2), and the mounting bracket (GV-Mount103, No. 1) by rotating the parts together.



3. Make sure the tubes are properly screwed. Tighten the screws using the supplied torx wrench (GV-Mount103, 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* on the software CD/DVD.
6. Rotate the camera onto the mounting cap, and secure the camera using the supplied No. 5 torx wrench (GV-Mount103, No. 4). For detailed installation procedures of the cameras, see *6.1.2 GV-SD2301 / GV-SD2411*.



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

6.5 Convex Corner Mount



GV-SD220-S / GV-SD2300



GV-SD2301 / GV-SD2411

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

Required accessories:

- Pendant Tube (in outdoor IP Speed Dome standard package)
- GV-Mount300

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 and GV-SD2411, 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 *1.6 Connecting the Camera, GV-IP Speed Dome User's Manual* on the software CD/DVD.

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

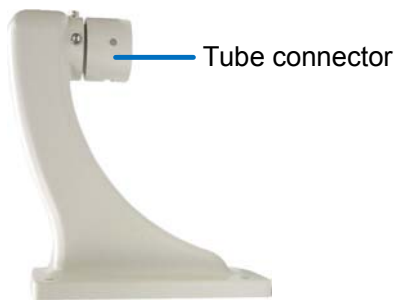
The user needs to prepare:

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

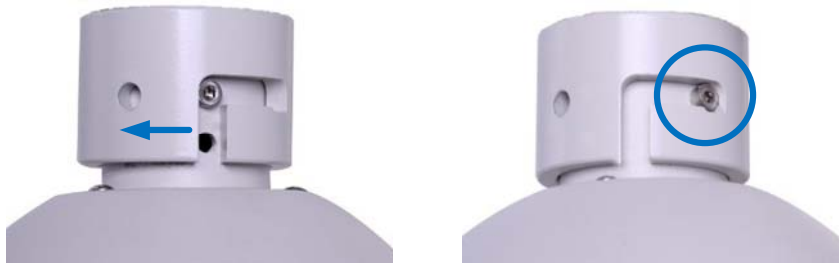


1. Follow steps 2 to 5 in *5.8 Convex Corner Box Mount* to assemble the mounting plates, box and corrugated tube and secure them to the wall.
2. Follow step 1 in *6.1 Assembling Outdoor IP Speed Dome with Pendant Tube* to insert the desiccant packs.

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 Installing the GV-IP Speed Dome

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* on the software CD/DVD.

6.6.2 GV-SD2301 / GV-SD2411



This installation method is only applicable to **GV-SD2301** and **GV-SD2411**.

Required accessories:

- GV-Mount501
- GV-Mount300

The user needs to prepare:

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



-
1. Follow step 1 in 6.1.2 *GV-SD2301 / GV-SD2411* to insert the desiccant packs and the SD card.
 2. Connect the supporting plate of GV-Mount501 to GV-Mount300 by fastening the 4 M8 30mm screws and plain washers (supplied with GV-Mount300), and fasten the 4 M8 (30 mm) screws and plain washers.

6 Installing the GV-IP Speed Dome



3. Follow steps 3 to 9 in 6.3.2 *GV-SD2301 / GV-SD2411* to set up the cables and assemble the junction box.
4. Follow steps 2 to part c of step 3 in 6.1.2 *GV-SD2301 / GV-SD2411* to connect the camera cables and assemble the camera with the pendant tube.
5. Secure pendant tube onto the junction box 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 No. 6 torx wrench.



6.7 Concave Corner Mount



GV-SD220-S / GV-SD2300



GV-SD2301 / GV-SD2411

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

Required accessories:

- Pendant Tube (in outdoor IP Speed Dome standard package)
- GV-Mount310

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 and GV-SD2411, 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 *1.6 Connecting the Camera, GV-IP Speed Dome User's Manual* on the software CD/DVD.

6.8 Pole Mount



GV-SD220-S / GV-SD2300



GV-SD2301 / GV-SD2411

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

Required accessories:

- Pendant Tube (in outdoor IP Speed Dome standard package)
 - GV-Mount400 or GV-Mount410
-

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 and GV-SD2411, 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 *1.6 Connecting the Camera, GV-IP Speed Dome User's Manual* on the software CD/DVD.

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 or GV-Mount410

Required accessories:

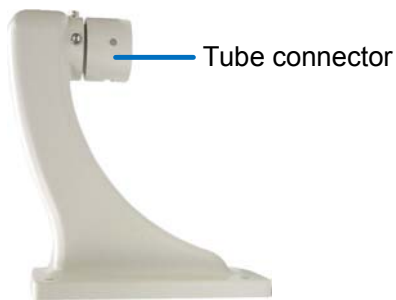
- Corrugated tube x 1 (3/4", \varnothing 26.0 ~ 26.5 mm)



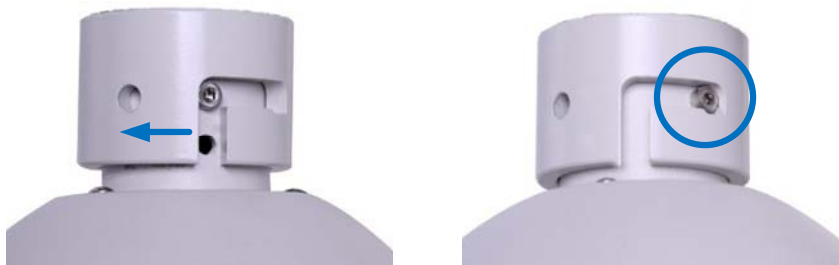
-
1. Follow step 1 in 6.1.1 *GV-SD220-S / GV-SD2300* to insert the desiccant.
 2. Follow steps 2 to 4 in 5.11 *Pole Box Mount* to install the junction box, mounting bracket and corrugated tube.

6 Installing the GV-IP Speed Dome

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* on the software CD/DVD.
8. Conceal the junction box with M5 screws (GV-Mount203, No. 3) using the torx wrench (GV-Mount203, No. 5).

6.9.2 GV-SD2301 / GV-SD2411



This installation method is only applicable to **GV-SD2301** and **GV-SD2411**.

Required accessories:

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

The user needs to prepare:

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



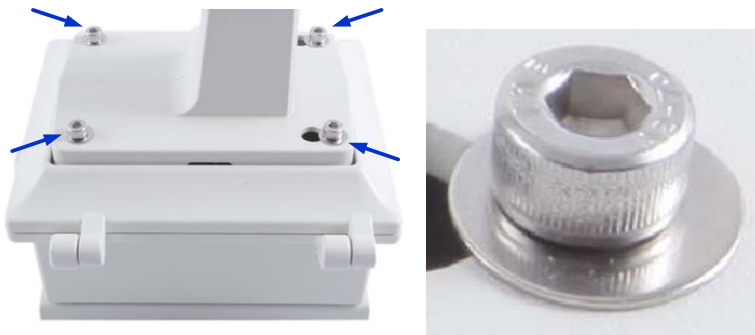
-
1. Follow step 1 in 6.1.2 *GV-SD2301 / GV-SD2411* to insert the desiccant packs and the SD card.

6 Installing the GV-IP Speed Dome

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



3. Follow steps 3 to 9 in 6.3.2 *GV-SD2301 / GV-SD2411* to set up the cables and assemble the junction box.
4. Follow steps 2 to 3-c in 6.1.2 *GV-SD2301 / GV-SD2411* to connect the camera cables and assemble the camera with the pendant tube.
5. Secure pendant tube onto the junction box 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 No. 6 torx wrench.



Note for Closing the Bullet Camera Cover

To ensure that the camera performs its full capacity against water and dust, tightly close and lock the camera cover as indicated below.



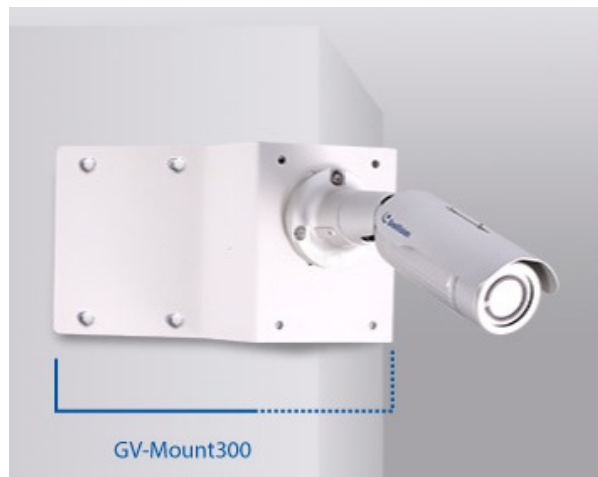
7. Installing the Bullet / Target Bullet / LPR Camera

Besides the Bullet Camera Series, the installation methods in Chapter 7 only apply to **GV-EBL2101** of the Target Bullet Camera Series, and **GV-LPC2211 / LPC2011** of the IP LPR Camera Series.

7.1 Convex Corner Mount



GV-BL1501 / 2501 / 3401 / 1511 / 2511 / 3411 / 5311 and GV-BL2511-E / 5311-E



Other GV-Bullet Camera Models, GV-EBL2101 and GV-LPC2211 / LPC2011

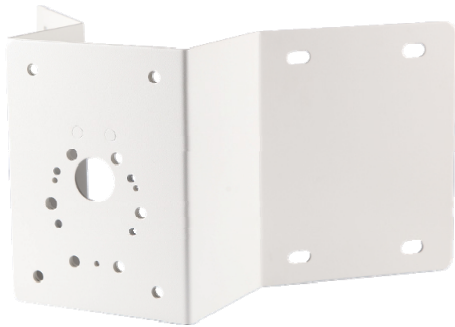
Required accessories:

- GV-Mount300

The user needs to prepare:

- Screws for wall x 8
-

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



2. For GV-BL1501 / 2501 / 3401 / 1511 / 2511 / 3411 / 5311 and GV-BL2511-E / 5311-E, loosen the indicated screws to remove the base and the back plate.



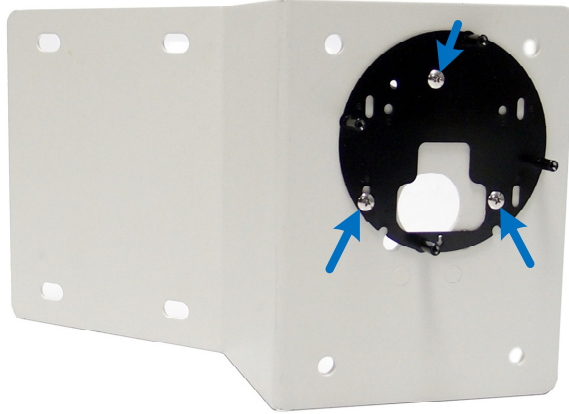
Back Plate

Note: To see how to thread the cables into the camera, refer to *Installation, Bullet Camera (II) Chapter, GV-IPCam H.264 Hardware Manual – BL*.

7 Installing the Bullet / Target Bullet / LPR Camera

3. Assemble the camera or the back plate with the mounting plates.

- **GV-BL1501 / 2501 / 3401 / 1511 / 2511 / 3411 / 5311** 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.

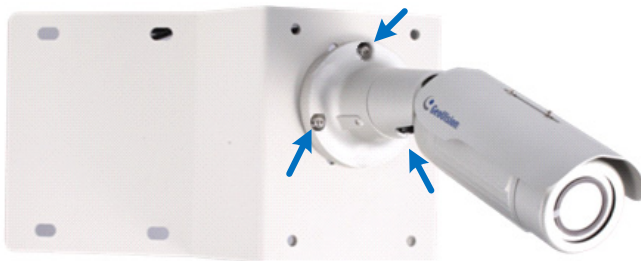


Front View



Back View

- **Other GV-Bullet Camera models:** From the front, align the M5 split washer (GV-Mount300, No. 9) and insert the M5 screws (GV-Mount300, No. 7). From the backside, secure using M5 plain washer (GV-Mount300, No. 8) and M5 screw cap (GV-Mount300, No. 10).



Front View

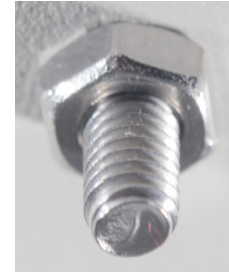


Back View

- **GV-EBL2101:** From the front, insert the screw for mounting kit (supplied with GV-EBL2101). From the backside, secure using the nut for mounting (supplied with GV-EBL2101).



Front View



Back View

4. For GV-BL1501 / 2501 / 3401 / 1511 / 2511 / 3411 / 5311 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 H.264 Hardware Manual - BL**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 Hardware Manual - BL**.
 - D. Install the sun-shield cover. See *Installing the Sun-Shield Cover, Bullet Camera* Chapter, **GV-IPCam H.264 Hardware Manual - BL**.

7.2 Concave Corner Mount



GV-BL1501 / 2501 / 3401 / 1511 / 2511 / 3411 / 5311 and GV-BL2511-E / 5311-E



Other GV-Bullet Camera Models, GV-EBL2101 and GV-LPC2211 / LPC2011

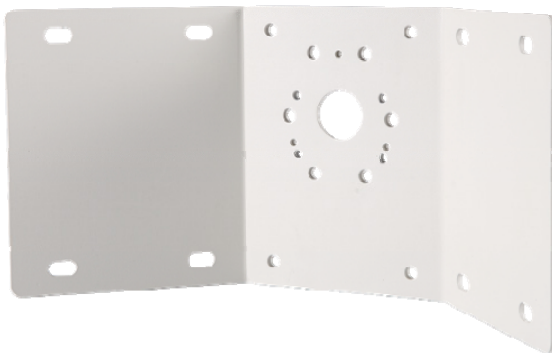
Required accessories:

- GV-Mount310

The user needs to prepare:

- Screws for wall x 8
-

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

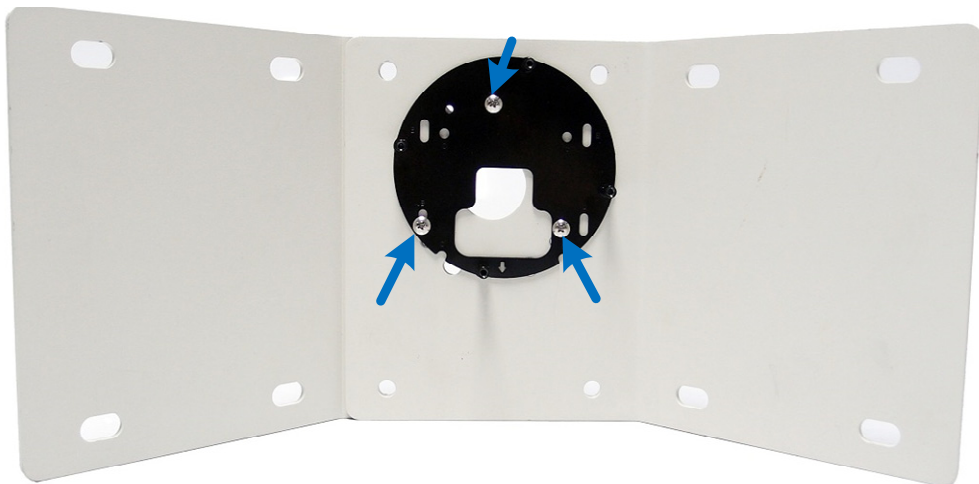


2. For GV-BL1501 / 2501 / 3401 / 1511 / 2511 / 3411 / 5311 and GV-BL2511-E / 5311-E, loosen the indicated screws to remove the base and the back plate.



Note: To see how to thread the cables into the camera, refer to *Installation, Bullet Camera (II) Chapter, GV-IPCam H.264 Hardware Manual – BL*.

3. Assemble the camera or the back plate with the mounting plates.
 - **GV-BL1501 / 2501 / 3401 / 1511 / 2511 / 3411 / 5311** 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.

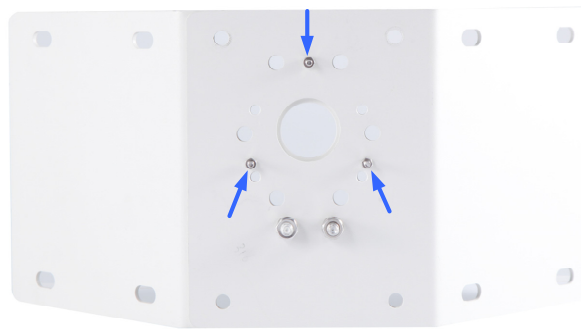


7 Installing the Bullet / Target Bullet / LPR Camera

- **Other GV-Bullet Camera models:** From the front, align the M5 split washer (GV-Mount310, No. 8) and insert the M5 screws (GV-Mount310, No. 6). From the backside, secure using M5 plain washer (GV-Mount310, No. 7) and M5 screw cap (GV-Mount310, No. 9).



Front View

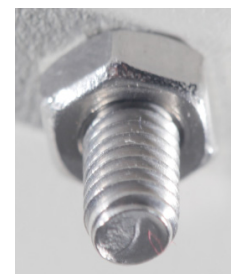


Back View

- **GV-EBL2101:** From the front, insert the screw for mounting kit (supplied with GV-EBL2101). From the backside, secure using the nut for mounting (supplied with GV-EBL2101).



Front View



Back View

4. For GV-BL1501 / 2501 / 3401 / 1511 / 2511 / 3411 / 5311 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 H.264 Hardware Manual - BL***.
 - B. Access the live view. See *Accessing the Live View*, *Getting Started* Chapter, ***GV-IPCam H.264 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 H.264 Hardware Manual - BL***.
 - D. Install the sun-shield cover. See *Installing the Sun-Shield Cover*, *Bullet Camera* Chapter, ***GV-IPCam H.264 Hardware Manual - BL***.

7.3 Pole Mount



GV-BL1501 / 2501 / 3401 / 1511 / 2511 / 3411 / 5311 and GV-BL2511-E / 5311-E



Other GV-Bullet Camera Models, GV-EBL2101 and GV-LPC2211 / LPC2011

Required accessories:

- GV-Mount400 or GV-Mount410
-

1. For GV-BL1501 / 2501 / 3401 / 1511 / 2511 / 3411 / 5311 and GV-BL2511-E / 5311-E, loosen the indicated screws to remove the base and the back plate.



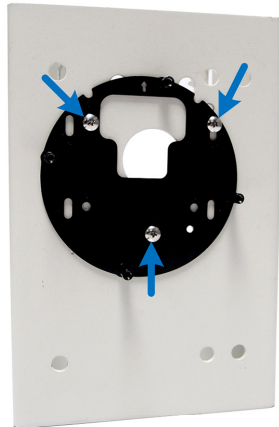
Back Plate

Note: To see how to thread the cables into the camera, refer to *Installation, Bullet Camera (II) Chapter, GV-IPCam H.264 Hardware Manual – BL*.

2. Assemble the camera or the back plate with the mounting bracket.

- **GV-BL1501 / 2501 / 3401 / 1511 / 2511 / 3411 / 5311** 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 / GV-Mount410, No.10) and insert M5 screws (GV-Mount400 / GV-Mount410, No.8). From the backside, secure using M5 plain washer (GV-Mount400 / GV-Mount410, No.9) and M5 screw cap (GV-Mount400 / GV-Mount410, No.11).



Front View



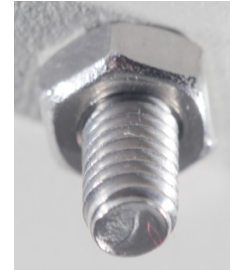
Back View

7 Installing the Bullet / Target Bullet / LPR Camera

- **GV-EBL2101:** From the front, insert the screw for mounting kit (supplied with GV-EBL2101). From the backside, secure using the nut for mounting (supplied with GV-EBL2101).



Front View



Back View

3. For GV-BL1501 / 2501 / 3401 / 1511 / 2511 / 3411 / 5311 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 / GV-Mount410, 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 H.264 Hardware Manual - BL.*
 - B. Access the live view. See *Accessing the Live View, Getting Started Chapter, GV-IPCam H.264 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 H.264 Hardware Manual - BL.*
 - D. Install the sun-shield cover. See *Installing the Sun-Shield Cover, Bullet Camera Chapter, GV-IPCam H.264 Hardware Manual - BL.*

Note for Installing the Box Camera

The GV-Housing101 support indoor or outdoor installation of GV-BX Series. The supported GV-BX models are as below:

- GV-BX120D
- GV-BX130D-0 / BX130D-1
- GV-BX140DW
- GV-BX220D-2 / BX220D-3
- GV-BX320D-0 / BX320D-1
- GV-BX520D
- GV-BX1200 Series
- GV-BX1300 Series
- GV-BX1500 Series (except GV-BX1500-8F)
- 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, the shorter the focal length of camera lens you adjust, the more possibly the camera captures the housing box cover.

- GV-BX120D (2.8 ~ 12 mm)
- GV-BX140DW (2.8 ~ 12 mm)
- GV-BX220D-2 (2.8 ~ 6 mm)
- GV-BX320D-0 / BX320D-1 (3.1 ~ 8 mm / 2.8 ~ 6 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.



8. Installing the Box Camera

8.1 Assembling Box Camera with the Housing Box



Required accessories:

- GV-Housing101 (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 (24V AC / 12V DC input)
-

1. Unscrew the housing box (GV-Housing101, No. 1) with torx wrench (GV-Housing101, No. 7).



2. 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, No. 2) and then the two black caps as below. To ensure later installation, allocate the cables to the two black caps properly.

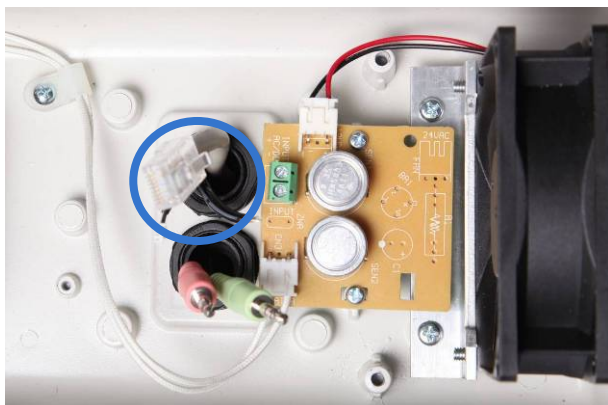


Note:

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.
-

8 Installing the Box Camera

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. Assemble the short screw (GV-Housing101, No. 5) with M5 plain washer (GV-Housing101, No. 7) and secure the camera on the black plate.

Front View



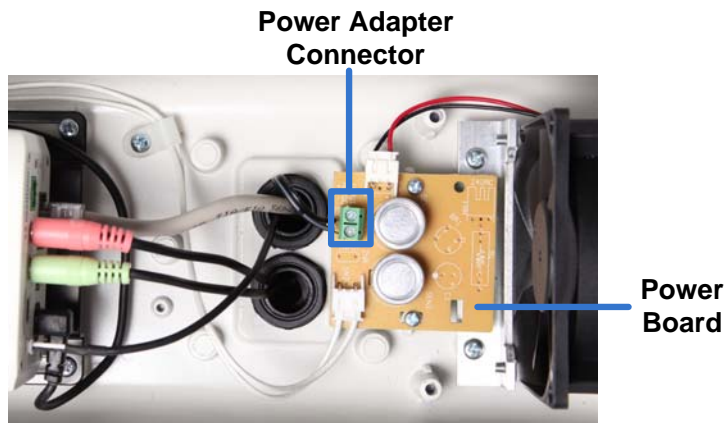
Back View with Camera



7. Line up the black plate with the four screws, slide it forward to adjust the camera's position as desired and tighten the screws.



8. Connect all the required cables to the camera and the power board.



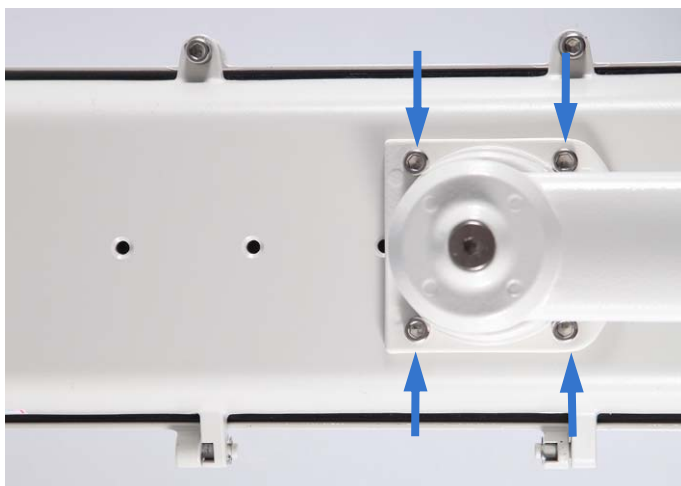
Note: Make sure the Power Adapter wires are connected to the correspondent electrodes labeled on the power board. Note this is only for the Power Adapter from GeoVision. If you are using different power adapter, the wires may have different colors.

- Black wire: negative electrode
 - Black with white stripes wire: positive electrode
-

9. 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.



10. Secure the supporting tube on the bottom of housing box.



11. Mark the installation site, drill four holes and secure the housing box to the wall using the supplied screw anchors (GV-Housing101, No. 3), M5 screws (GV-Housing101, No. 4) and four plain washers (GV-Housing101, No. 6).



12. 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.
13. After the silicon rubber is dry, apply the supplied sticker in the housing box cover to paste the silica gel bag (GV-Housing101, No. 8) as below.



14. 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.

8.2 Convex Corner Mount



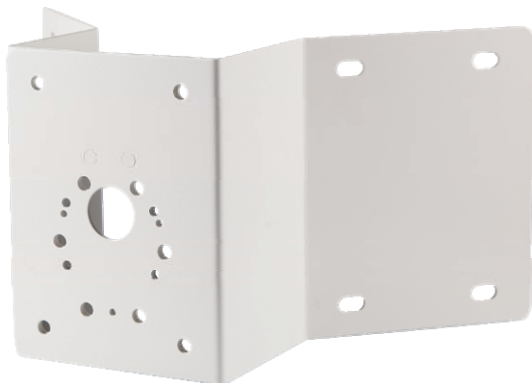
Required accessories:

- GV-Mount300

The user needs to prepare:

- Screws for wall x 8
-

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



8 Installing the Box Camera

2. Assemble the housing box with the mounting plates:
 - A. Thread the camera cables through the mounting plates.
 - B. Slide the 20 mm M5 screws (GV-Mount300, No. 4) from front and secure from the backside using plain washer (GV-Mount300, No. 4), split washer (GV-Mount300, No. 5) and screw cap (GV-Mount300, No. 6).



3. Secure the plates to the wall with 8 self-prepared screws.

8.3 Concave Corner Mount



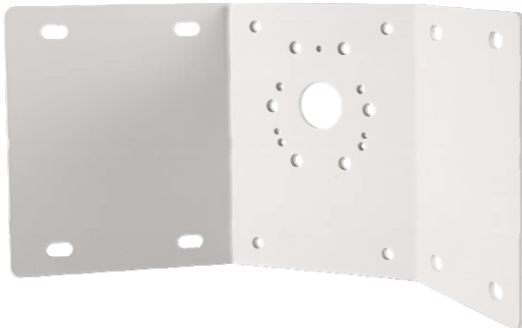
Required accessories:

- GV-Mount310

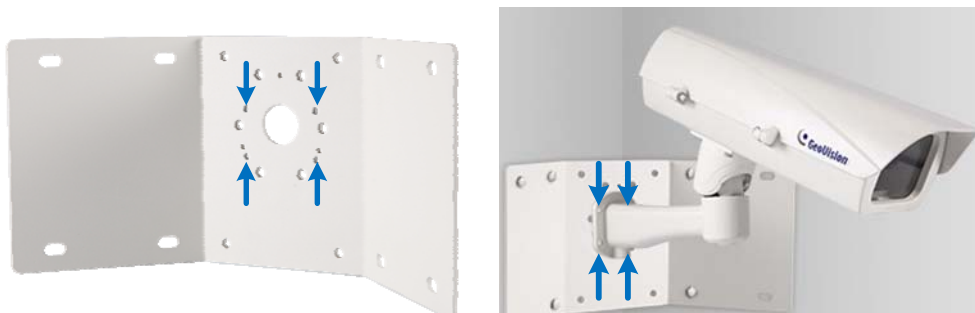
The user needs to prepare:

- Screws for wall x 8
-

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



2. Assemble the camera with the mounting plates.
 - A. Thread the camera cable through the mounting plates.
 - B. Slide the 20 mm M5 screws (GV-Mount310, No. 2) from front and secure from the backside using plain washer (GV-Mount310, No. 3), split washer (GV-Mount310, No. 4) and screw cap (GV-Mount300, No. 5).



3. Secure the plates to the wall with 8 self-prepared screws.

8.4 Pole Mount



Required accessories:

- GV-Mount400 or GV-Mount410
-

1. Assemble the camera with the mounting bracket (GV-Mount400 / GV-Mount410, No.1).
 - A. Thread the camera cables through the mounting bracket.
 - B. Slide the 20 mm M5 screws (GV-Mount400 / GV-Mount410, No. 3) from the front and secure from the backside using plain washer (GV-Mount400 / GV-Mount410, No. 9), split washer, (GV-Mount400 / GV-Mount410, No. 10) and M5 screw cap (GV-Mount400 / GV-Mount410, No. 11).



8 Installing the Box Camera

2. Secure the mounting bracket to the pole using 3 steel straps (GV-Mount400 / GV-Mount410, 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



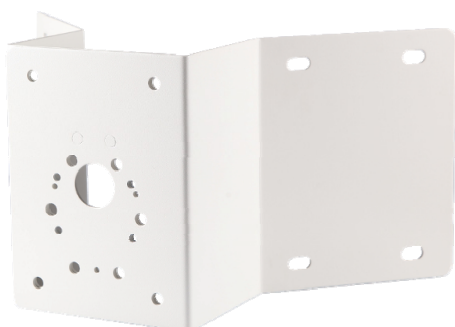
Required accessories:

- GV-Mount300

The user needs to prepare:

- Screws for wall x 8
-

1. Assemble the mounting plates (GV-Mount300, No. 1), slide in the plain washer (GV-Mount300, No. 4), then the split washer (GV-Mount300, No. 5), and secure with the screw cap (GV-Mount300, 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, No. 2) from front and secure from the backside using plain washer (GV-Mount300, No. 4), split washer (GV-Mount300, No. 5) and screw cap (GV-Mount300, No. 6).



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 H.264 Hardware Manual - BXE**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 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 H.264 Hardware Manual - BXE**.

9.2 Concave Corner Mount



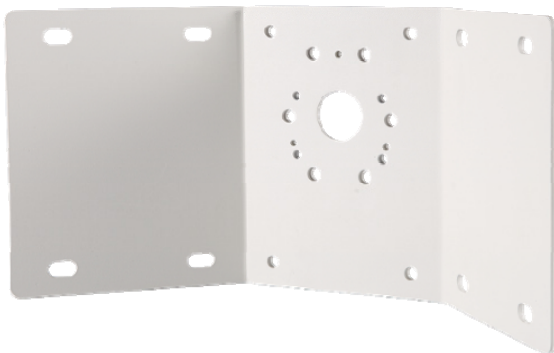
Required accessories:

- GV-Mount310

The user needs to prepare:

- Screws for wall x 8
-

1. Assemble the mounting plates (GV-Mount310, No. 1), slide in the plain washer (GV-Mount310, No. 3), then the split washer (GV-Mount310, No. 4), and secure them with the screw cap (GV-Mount310, 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, No. 2) from front and secure from the backside using plain washer (GV-Mount310, No. 3), split washer (GV-Mount310, No. 4) and screw cap (GV-Mount300, No. 5).



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 H.264 Hardware Manual - BXE**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 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 H.264 Hardware Manual - BXE**.

9.3 Pole Mount



Required accessories:

- GV-Mount400 or GV-Mount410
-

1. Assemble the camera with the mounting bracket (GV-Mount400 / GV-Mount410, No.1).
 - A. Thread the camera cable through the mounting bracket.
 - B. Slide the 30 mm M8 screws (GV-Mount400 / GV-Mount410, No. 3) from the front and secure from the backside using plain washer (GV-Mount400 / GV-Mount410, No. 5), split washer, (GV-Mount400 / GV-Mount410, No. 6) and M8 screw cap (GV-Mount400 / GV-Mount410, No. 7).



Backside View

2. Secure the mounting bracket to the pole using 3 steel straps (GV-Mount400 / GV-Mount410, 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 H.264 Hardware Manual - BXE*.
 - B. Access the live view. See *Accessing the Live View, Getting Started Chapter, GV-IPCam H.264 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 H.264 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 H.264 Hardware Manual - BXE*.

10. Installing the Mini Fixed Dome

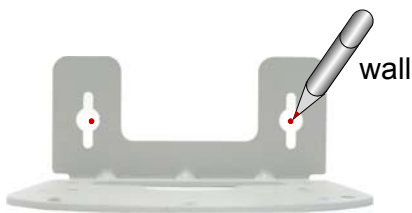
10.1 L-Shaped Wall Mount



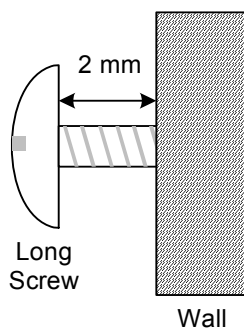
Required accessories:

- GV-Mount900
-

1. Take the wall mount bracket (GV-Mount900, No. 1) and make 2 marks on the wall for screw anchors.

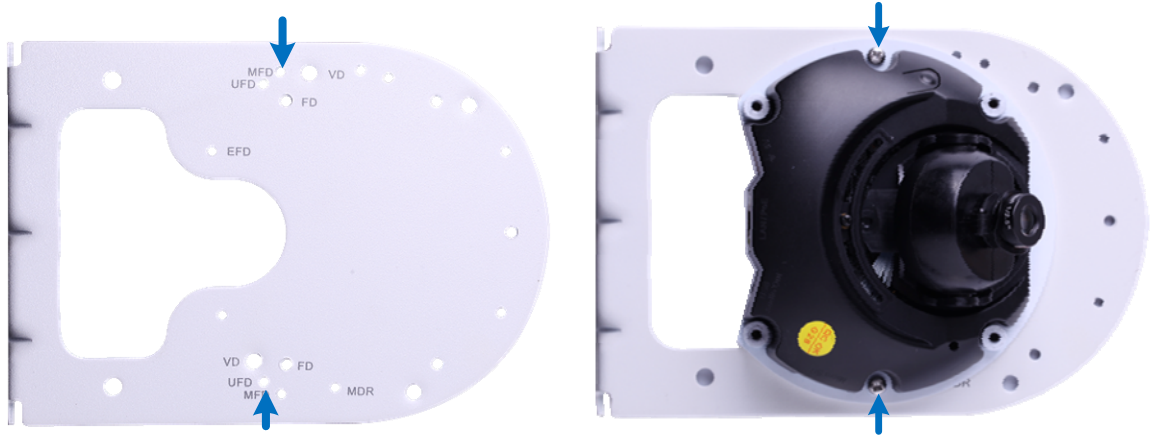


2. Drill the marks and insert 2 screw anchors (GV-Mount900, No. 2).
3. Insert the wall mount screws (GV-Mount900, No. 3) and leave enough distance (approximately 2 mm) to hang the wall mount bracket later.

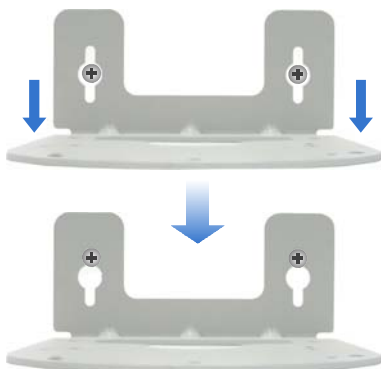


10 Installing the Mini Fixed Dome

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-Mount900, No. 4).



6. Hang the wall mount bracket on the wall mount screws and push the wall mount bracket downward. Tighten the wall mount screws to the wall.



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, Mini Fixed Dome & Mini Fixed Rugged Dome* Chapter, **GV-IPCam H.264 Hardware Manual - MFD**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 to 11 in *Installation, GV-MFD Series, Mini Fixed Dome & Mini Fixed Rugged Dome* Chapter, **GV-IPCam H.264 Hardware Manual - MFD**.

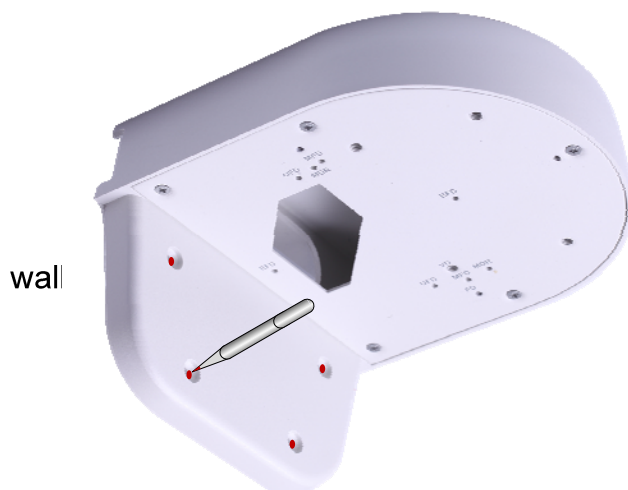
10.2 Wall Box Mount



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 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. 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 H.264 Hardware Manual - MFD**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 Hardware Manual - MFD**.

10.3 Wall Mount Bracket



Required accessories:

- GV-Mount918
-

IMPORTANT: GV-Mount918 is not compatible with GV-MFD120 / 130 / 220 / 320 / 520.

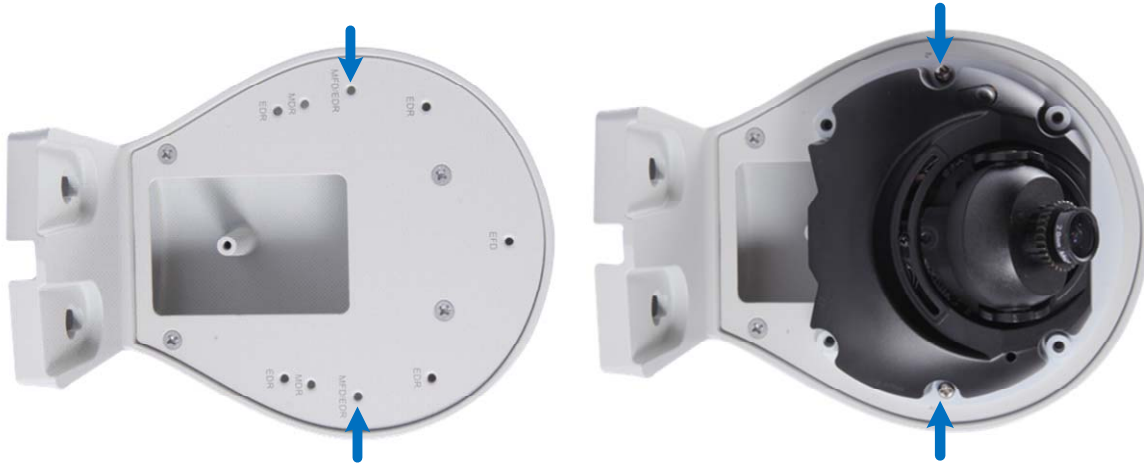
1. Take the wall mount bracket (GV-Mount918, No. 1) and make 2 marks on the wall for screw anchors.



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 H.264 Hardware Manual - MFD**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 Hardware Manual - MFD**.

10.4 Power Box Mount



Required accessories:

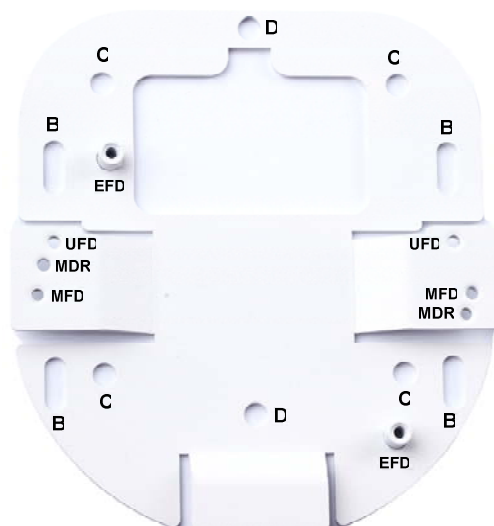
- GV-Mount910 or GV-Mount913

The user needs to prepare

- Screws for securing the mounting plate to power box
-

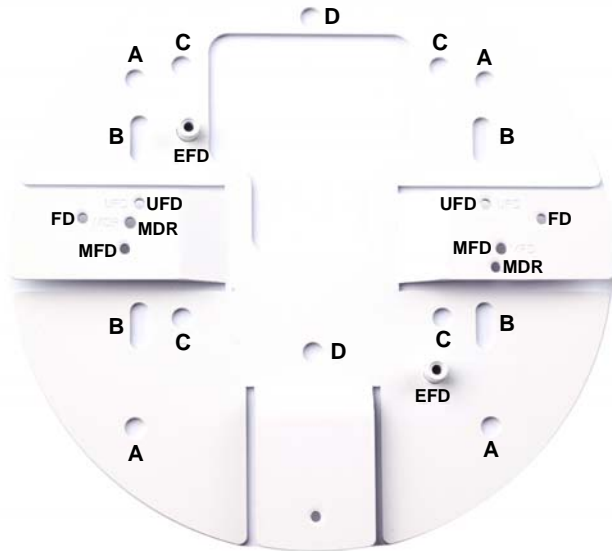
1. Secure the mounting plate (GV-Mount910 or GV-Mount913, No. 1) to the power box with your own screws. Depending on the type of power box, use the holes indicated with the corresponding letter:

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 H.264 Hardware Manual - MFD**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 Hardware Manual - MFD**.

11. Installing the Mini Fixed Rugged Dome

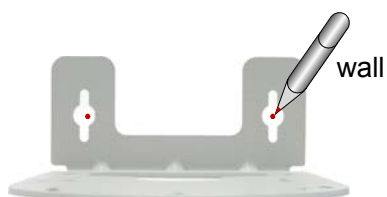
11.1 L-Shaped Wall Mount



Required accessories:

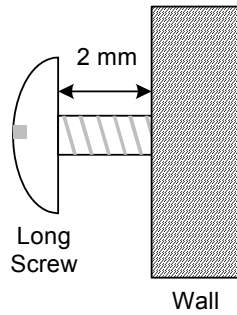
- GV-Mount900
-

1. Take the wall mount bracket (GV-Mount900, No. 1) and make 2 marks on the wall for screw anchors.

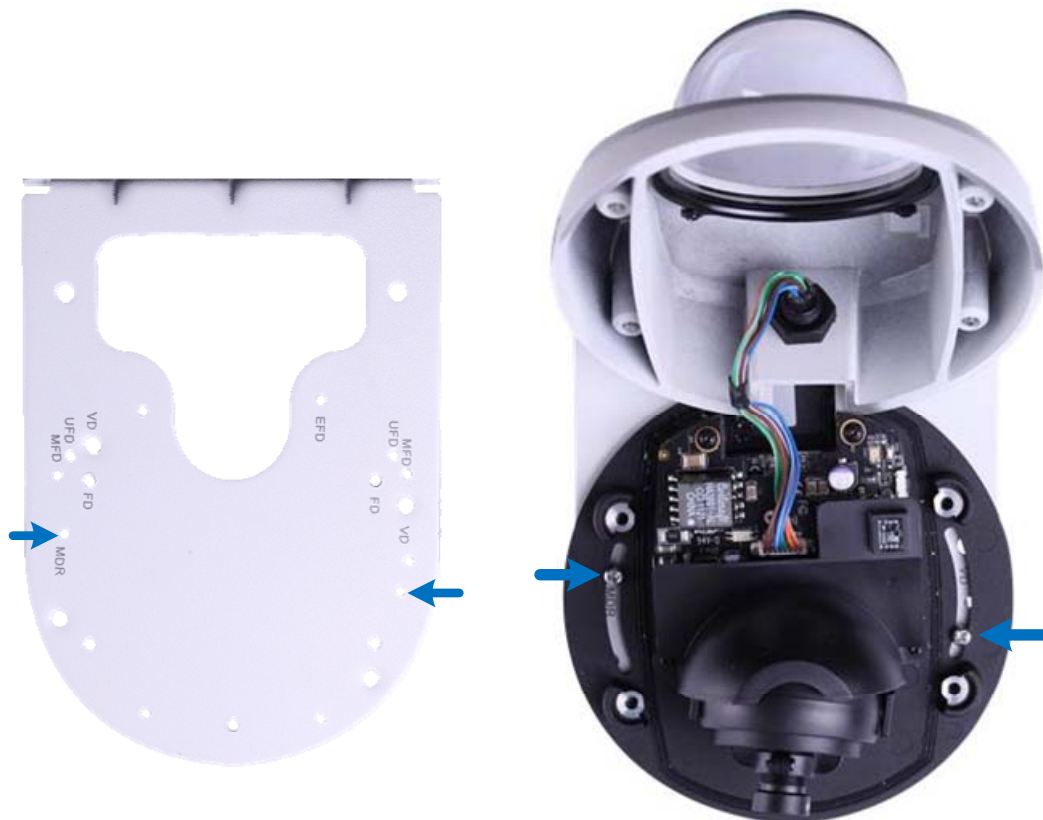


2. Drill the marks and insert 2 screw anchors (GV-Mount900, No. 2).

3. Insert the wall mount screws (GV-Mount900, No. 3) and leave enough distance (approximately 2 mm) to hang the wall mount bracket later.

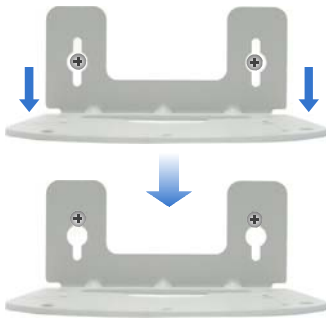


4. Unscrew the camera's cover using the supplied torx wrench.
5. Align and secure the camera to the wall mount bracket with two M3 screws (GV-Mount900, No. 4).



11 Installing the Mini Fixed Rugged Dome

6. Hang the wall mount bracket on the wall mount screws and push the wall mount bracket downward. Tighten the wall mount screws to the wall.



7. 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 H.264 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 H.264 Hardware Manual - MDR**.
 - C. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 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 H.264 Hardware Manual - MDR**.

11.2 Wall Box Mount

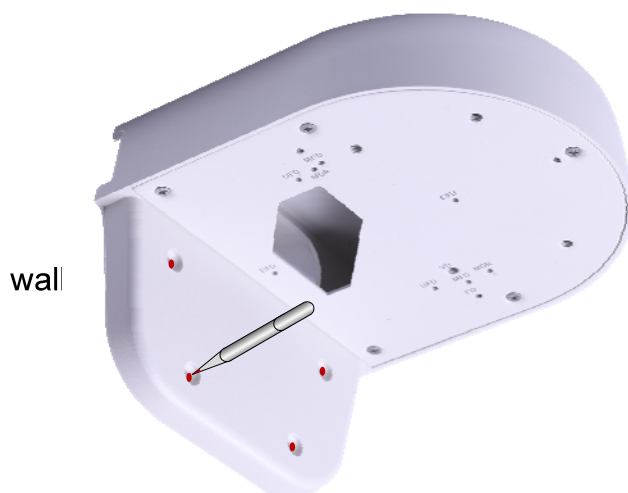


Required accessories:

- GV-Mount909
-

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

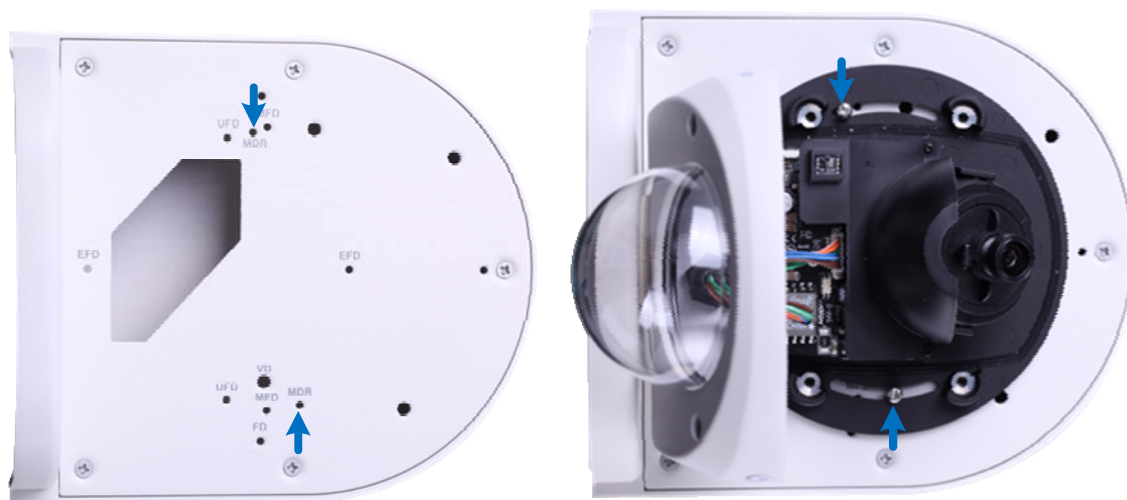
1. Take the wall mount bracket (GV-Mount909, No. 1) and make 4 marks on the wall for screw anchors.



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).

11 Installing the Mini Fixed Rugged Dome

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 H.264 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 H.264 Hardware Manual - MDR*.
 - C. Access the live view. See *Accessing the Live View, Getting Started Chapter, GV-IPCam H.264 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 H.264 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 H.264 Hardware Manual - MDR*.

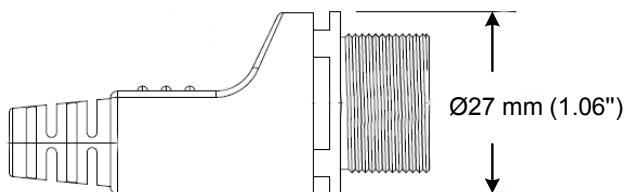
11.3 Wall Mount Bracket



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.



11 Installing the Mini Fixed Rugged Dome

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 H.264 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 H.264 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 H.264 Hardware Manual - MDR**.

11.4 Power Box Mount



Required accessories:

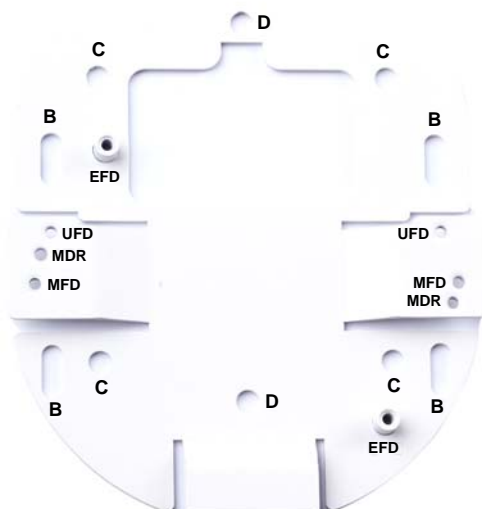
- GV-Mount910 or GV-Mount913

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:

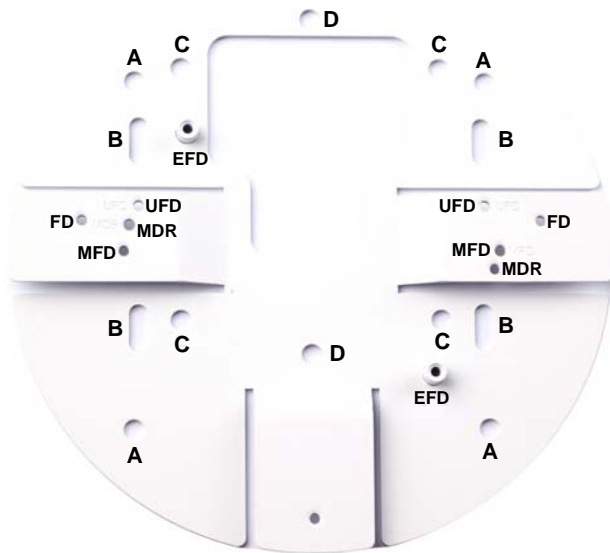
GV-Mount910



Type of Power Box	Hole
Double Gang	B
4" Octagon	C
Single Gang	D

11 Installing the Mini Fixed Rugged Dome

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 H.264 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 H.264 Hardware Manual - MDR**.
- C. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 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 H.264 Hardware Manual - MDR**.

12. Installing the Target (Mini) Fixed Dome

12.1 L-Shaped Wall Mount



GV-EFD1100 / 2100

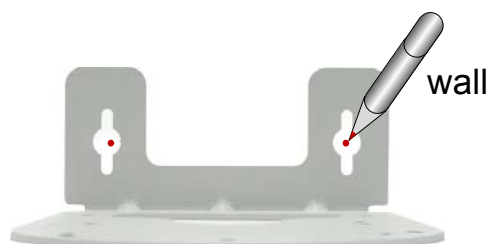


GV-EFD2101 / 3101

Required accessories:

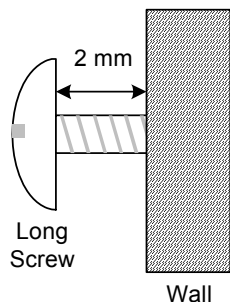
- GV-Mount900
-

1. Take the wall mount bracket (GV-Mount900, No. 1) and make 2 marks on the wall for screw anchors.



2. Drill the marks and insert 2 screw anchors (GV-Mount900, No. 2).

3. Insert the wall mount screws (GV-Mount900, No. 3) and leave enough distance (approximately 2 mm) to hang the wall mount bracket later.

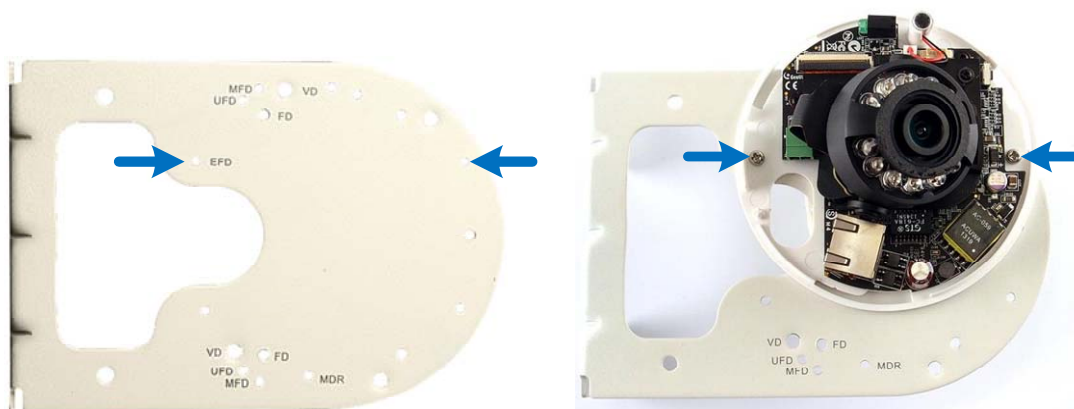


4. Open the camera housing cover.
 - For GV-EFD1100 / EFD2100, open the camera housing cover by turning.
 - For GV-EFD2101 / EFD3101, use the torx wrench to loosen three screws on housing cover and remove the camera housing. Next, unscrew the three screws to separate the back plate as indicated below.



5. Align and secure the camera / back plate to the wall mount bracket with two M3 screws (No. 4, GV-Mount900).

- **GV-EFD1100 / EFD2100:** Use the holes labeled as **EFD**.

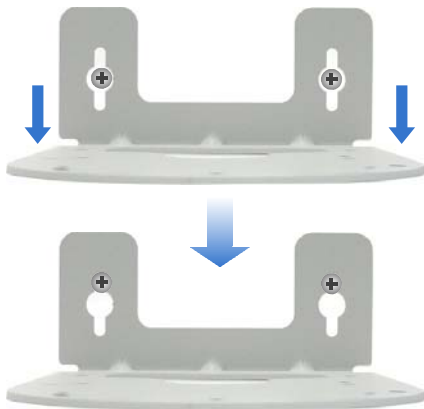


12 Installing the Target (Mini) Fixed Dome

- **GV-EFD2101 / EFD3101:** Use the holes labeled as **UFD** to secure the back plate, and then reattach the camera back to the back plate.



6. Hang the wall mount bracket on the wall mount screws and push the wall mount bracket downward. Tighten the wall mount screws to the wall.



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 H.264 Hardware Manual - EFD**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 Hardware Manual - EFD**.

12.2 Wall Box Mount



GV-EFD1100 / EFD2100



GV-EFD2101 / EFD3101

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).

12 Installing the Target (Mini) Fixed Dome

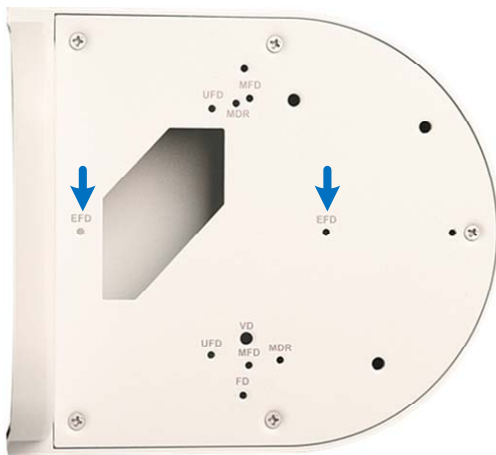
4. Open the camera housing cover.

- For GV-EFD1100 / EFD2100, open the camera housing cover by turning.
- For GV-EFD2101 / EFD3101, use the torx wrench to loosen three screws on housing cover and remove the camera housing.

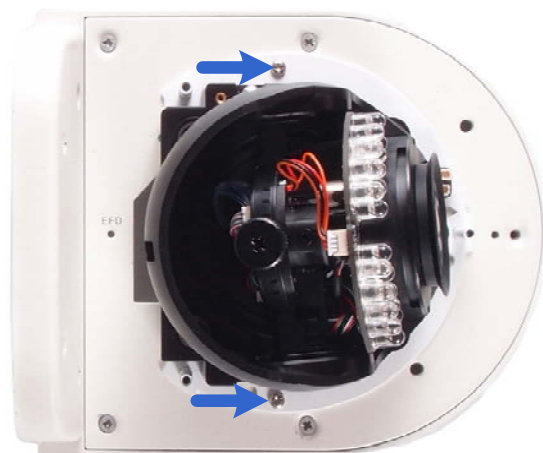
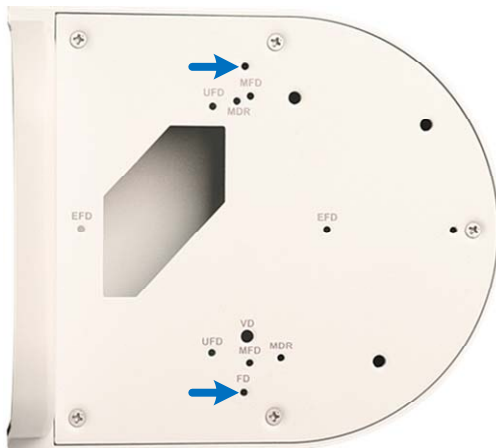


5. Align and secure the camera to the wall mount bracket with two M3 screws (GV-Mount909, No. 4).

- **GV-EFD1100 / EFD2100:** Use the holes labeled as **EFD**.



- **GV-EFD2101 / EFD3101:** 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, **GV-IPCam H.264 Hardware Manual - EFD**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 Hardware Manual - EFD**.

12.3 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 H.264 Hardware Manual - EFD**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 Hardware Manual - EFD**.

12.4 Power Box Mount



GV-EFD1100 / EFD2100



GV-EFD2101 / EFD3101

Required accessories:

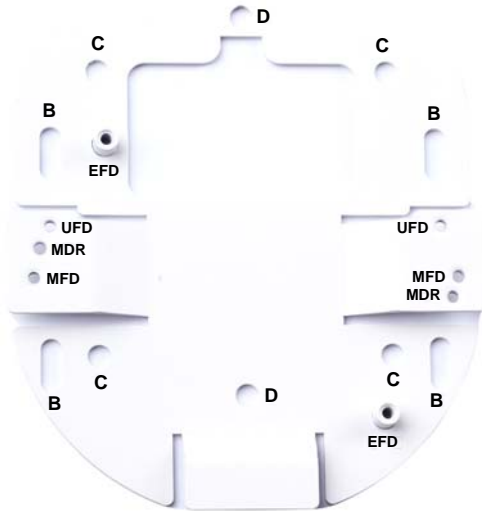
- GV-Mount910 or GV-Mount913

The user needs to prepare

- Screws for securing the mounting plate to power box
-

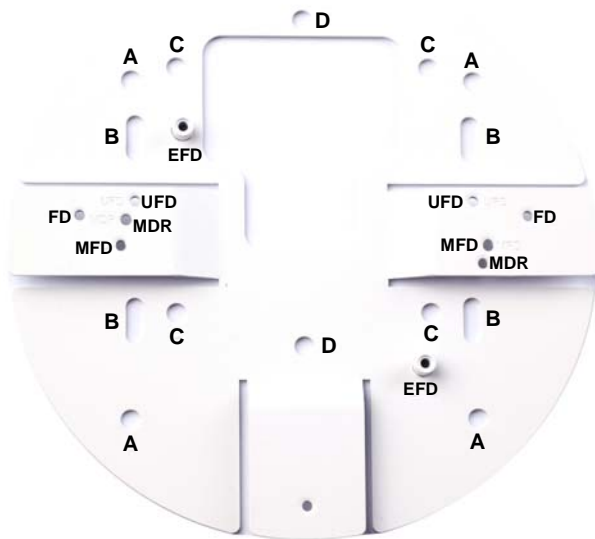
1. Secure the mounting plate (GV-Mount910 or GV-Mount913, No. 1) to the power box with your own screws. Depending on the type of power box, use the holes indicated with the corresponding letter:

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

12 Installing the Target (Mini) Fixed Dome

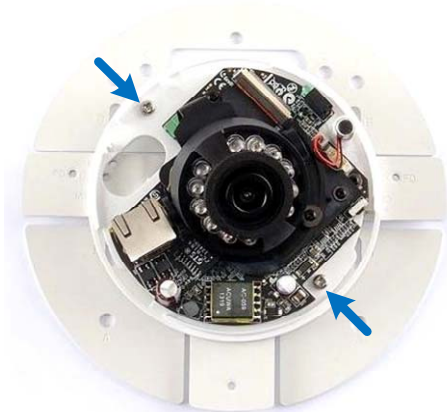
2. Open the camera housing cover.

- For GV-EFD1100 / EFD2100, open the camera housing cover by turning.
- For GV-EFD2101 / EFD3101, 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.

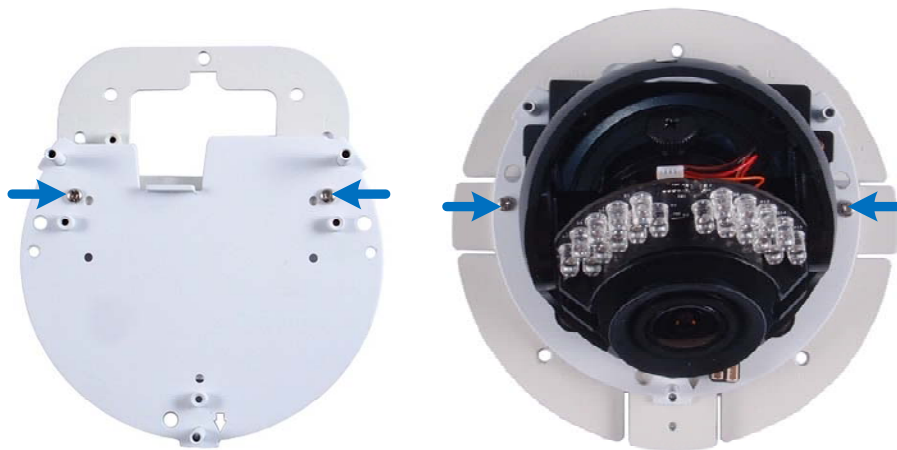


3. Secure the camera / back plate to the mounting plate with M3 screws (GV-Mount910 or GV-Mount913, No. 2).

- **GV-EFD1100 / EFD2100:** Use the holes labeled as **EFD**.



- **GV-EFD2101 / EFD3101:** 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, **GV-IPCam H.264 Hardware Manual - EFD**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 Hardware Manual - EFD**.

12.5 GV-EFD2101 / EFD3101 In-Ceiling Mount

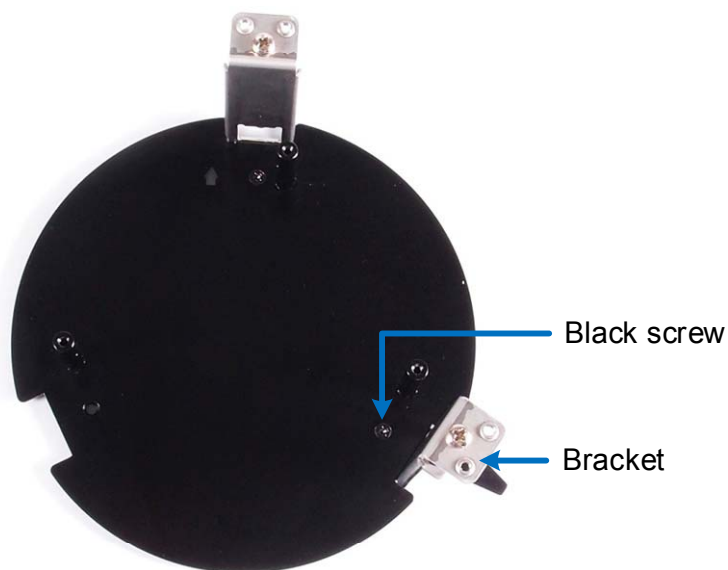


This installation method is only applicable to **GV-EFD2101** and **GV-EFD3101**.
The thickness of the ceiling board must not exceed 4 cm (1.57 in).

Required accessories:

- GV-Mount915

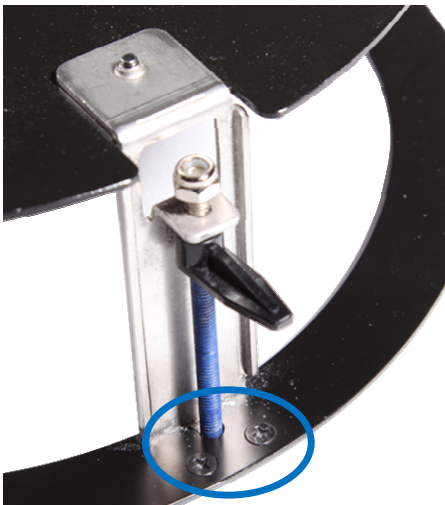
-
1. Assemble the support racks, mounting plate and the mounting ring.
 - A. Secure two brackets (GV-Mount915, No. 1) to the in-ceiling plate (GV-Mount915, No.2) with a black screw (GV-Mount915, No. 5).



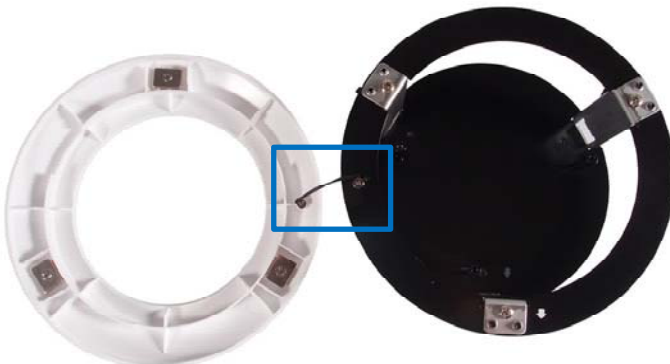
- B. Assemble the in-ceiling ring (GV-Mount915, No. 4). Make sure the arrows on the mounting ring and mounting plate are aligned.



- 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).

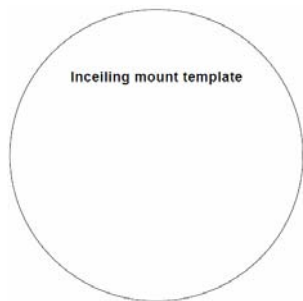


12 Installing the Target (Mini) Fixed Dome

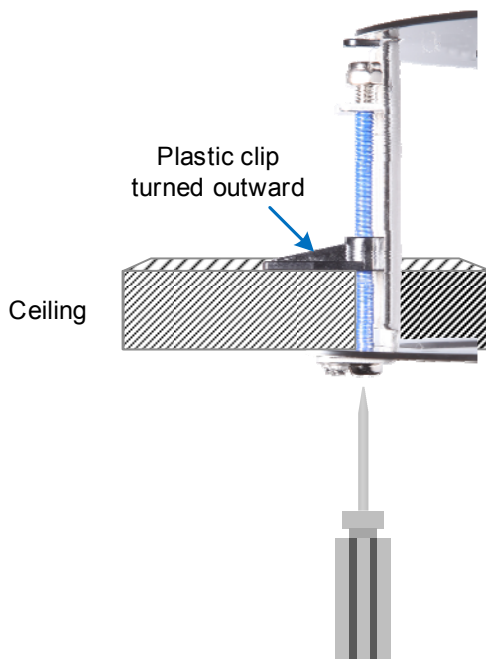
2. Use the torx wrench to loosen three screws on housing cover of the camera, and remove the camera housing.



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 H.264 Hardware Manual - EFD**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 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.



12.6 Assembling GV-EFD2101 / EFD3101 with Dome Housing



This installation method is only applicable to **GV-EFD2101** and **GV-EFD3101**.

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).



12.7 Wall Pendant Mount



This installation method is only applicable to **GV-EFD2101** and **GV-EFD3101**.

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 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 H.264 Hardware Manual - EFD**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 Hardware Manual - EFD**.

12.8 Straight Tube Mount



This installation method is only applicable to **GV-EFD2101** and **GV-EFD3101**.

Required accessories:

- GV-Mount101
- GV-Mount917

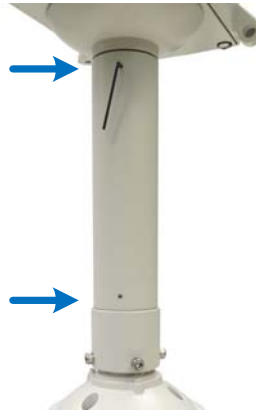
The user needs to prepare:

- 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 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)

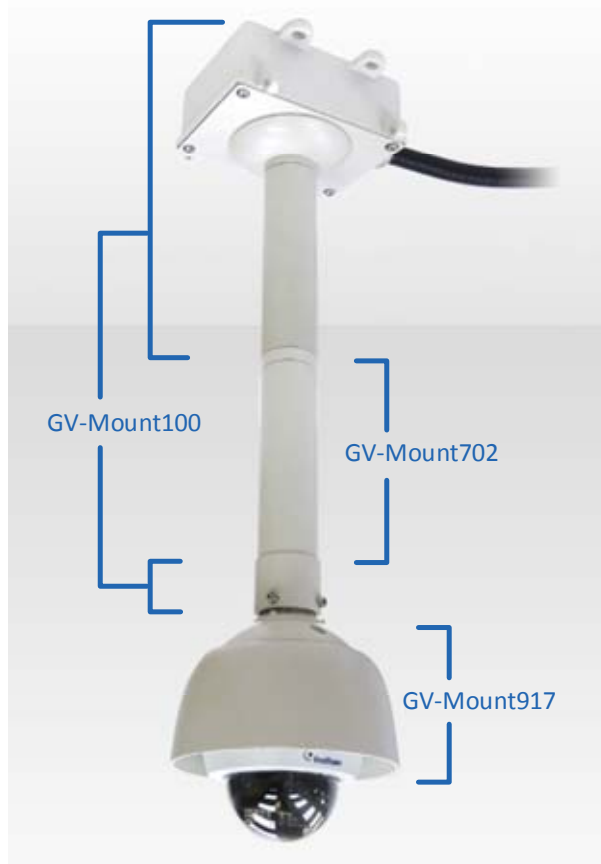


3. Thread the cables and wires into the dome housing.
4. Secure the tube to the end of the housing cap (GV-Mount902, No. 2) with M6 screws (GV-Mount101, No. 4).



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 H.264 Hardware Manual - EFD**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 Hardware Manual - EFD**.

12.9 Straight Tube Box Mount



This installation method is only applicable to **GV-EFD2101** and **GV-EFD3101**.

Required accessories:

- GV-Mount100
- GV-Mount917

The user needs to prepare:

- Screws for ceiling x 4
- Corrugated tube x 1 (3/4", \varnothing 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 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 H.264 Hardware Manual - EFD**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 Hardware Manual - EFD**.

12.10 Convex Corner Mount



This installation method is only applicable to **GV-EFD2101** and **GV-EFD3101**.

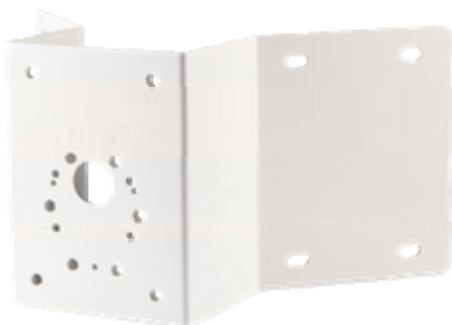
Required accessories:

- GV-Mount200
- GV-Mount300
- GV-Mount917

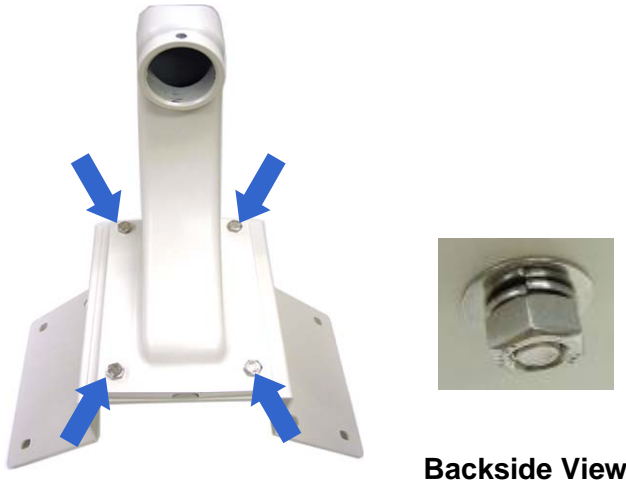
The user needs to prepare:

- Screws for wall x 8

-
1. Assemble the camera with the dome housing. See *12.6 Assembling the GV-EFD2101 / EFD3101 with the Dome Housing*.
 2. Assemble the mounting plates (GV-Mount300, No. 1), slide in the plain washer (GV-Mount300, No. 4), then the split washer (GV-Mount300, No. 5), and secure them with the screw cap (GV-Mount300, No. 6).



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



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 H.264 Hardware Manual - EFD**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 Hardware Manual - EFD**.

12.11 Convex Corner Box Mount



This installation method is only applicable to **GV-EFD2101** and **GV-EFD3101**.

Required accessories:

- GV-Mount203
- GV-Mount300
- GV-Mount917

The user needs to prepare:

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



-
1. Assemble the camera with the dome housing. See *12.6 Assembling the GV-EFD2101 / EFD3101 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 H.264 Hardware Manual - EFD**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 Hardware Manual - EFD**.

12.12 Concave Corner Mount



Required accessories:

- GV-Mount200
- GV-Mount310
- 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 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 H.264 Hardware Manual - EFD*.

- B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 Hardware Manual - EFD**.

12.13 Pole Mount



This installation method is only applicable to **GV-EFD2101** and **GV-EFD3101**.

Required accessories:

- GV-Mount200
- GV-Mount400 or GV-Mount410
- GV-Mount917

1. Assemble the camera with the dome housing. See *12.6 Assembling the GV-EFD2101 / EFD3101 with the Dome Housing*.
2. Secure the pendant tube (GV-Mount200, No. 1) to the mounting bracket (GV-Mount400 / GV-Mount410, No. 1). Slide the 30 mm M8 screws (GV-Mount400 / GV-Mount410, No. 3) from the front and secure from the backside using plain washer (GV-Mount400 / GV-Mount410, No. 5), split washer (GV-Mount400 / GV-Mount410, No. 6) and screw cap (GV-Mount400 / GV-Mount410, No. 7).



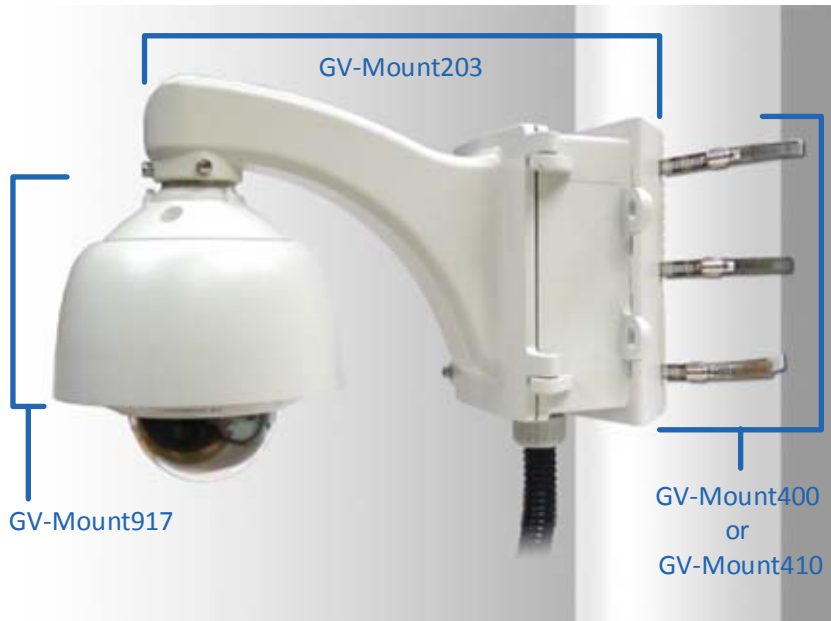
Backside View

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 / GV-Mount410, 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 H.264 Hardware Manual - EFD**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 Hardware Manual - EFD**.

12.14 Pole Box Mount



This installation method is only applicable to **GV-EFD2101** and **GV-EFD3101**.

Required accessories:

- GV-Mount203
- GV-Mount400 or GV-Mount410
- GV-Mount917

The user needs to prepare:

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



-
1. Assemble the camera with the dome housing. See *12.6 Assembling the GV-EFD2101 / EFD3101 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 H.264 Hardware Manual - EFD**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 Hardware Manual - EFD**.

13. Installing the Target Mini Fixed Rugged Dome

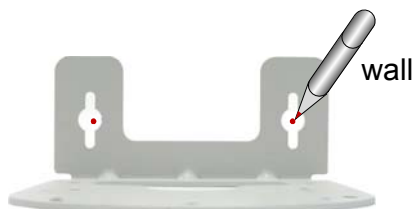
13.1 L-Shaped Wall Mount



Required accessories:

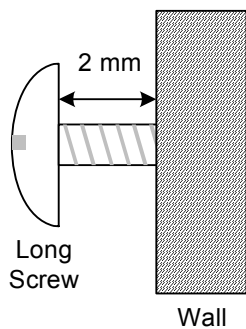
- GV-Mount900
-

1. Take the wall mount bracket (GV-Mount900, No. 1) and make 2 marks on the wall for screw anchors.

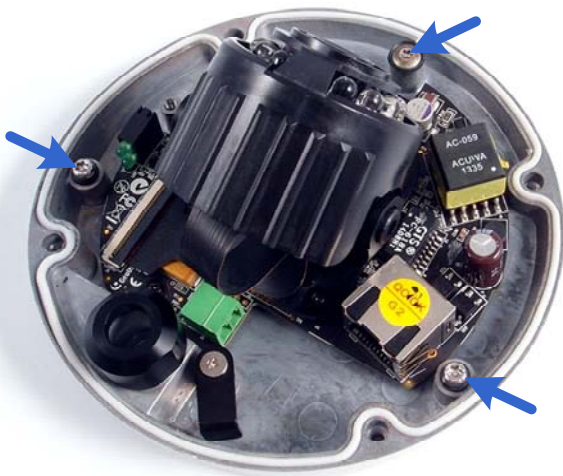


2. Drill the marks and insert 2 screw anchors (GV-Mount900, No. 2).

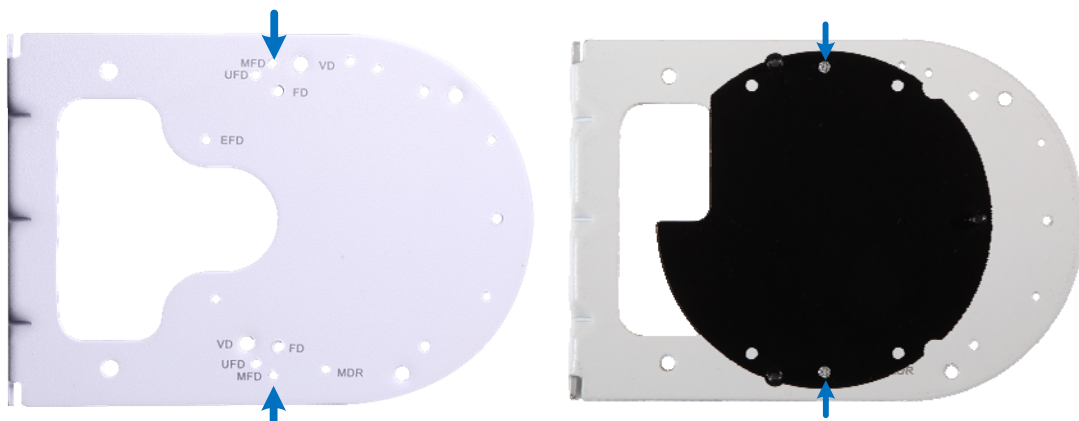
3. Insert the wall mount screws (GV-Mount900, No. 3) and leave enough distance (approximately 2 mm) to hang the wall mount bracket later.



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.

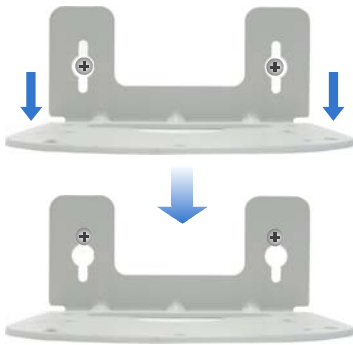


6. Align and secure the back plate to the wall mount bracket with two M3 screws (GV-Mount900, No. 4). Use the holes indicated with MDF.



13 Installing the Target Mini Fixed Rugged Dome

7. Hang the wall mount bracket on the wall mount screws and push the wall mount bracket downward. Tighten the wall mount screws to the wall.



8. 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 H.264 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 H.264 Hardware Manual - EDR**.
 - C. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 Firmware Manual**.

13.2 Wall Box Mount



Required accessories:

- GV-Mount909
-

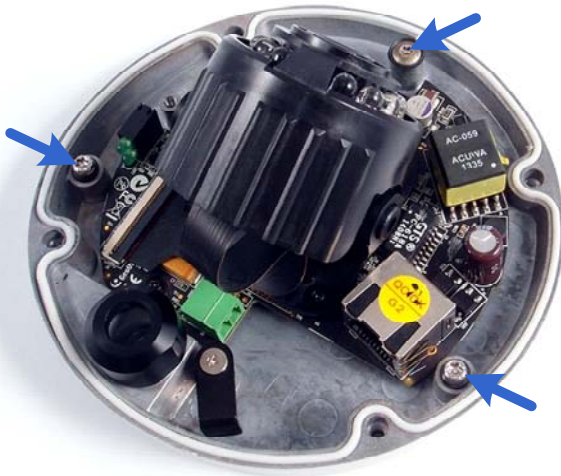
1. Take the wall mount bracket (GV-Mount909, No. 1) and make 4 marks on the wall for screw anchors.



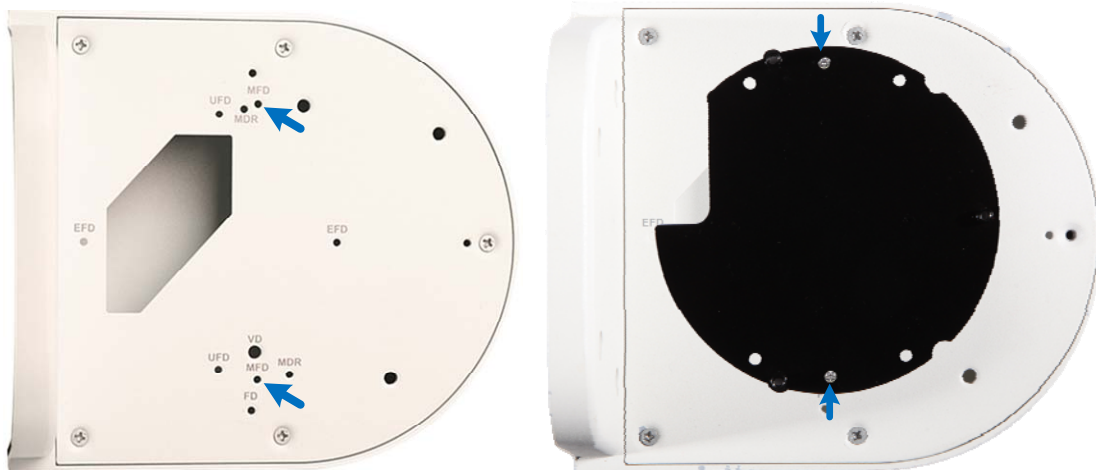
2. Drill the marks and insert 4 screw anchors (GV-Mount909, No. 2).
3. Secure the wall mount bracket to the wall with wall mount screws (GV-Mount909, No. 3).
4. Unscrew the camera's cover using the supplied torx wrench.

13 Installing the Target Mini Fixed Rugged Dome

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 H.264 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 H.264 Hardware Manual - EDR**.
 - C. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 Firmware Manual**.

13.3 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.

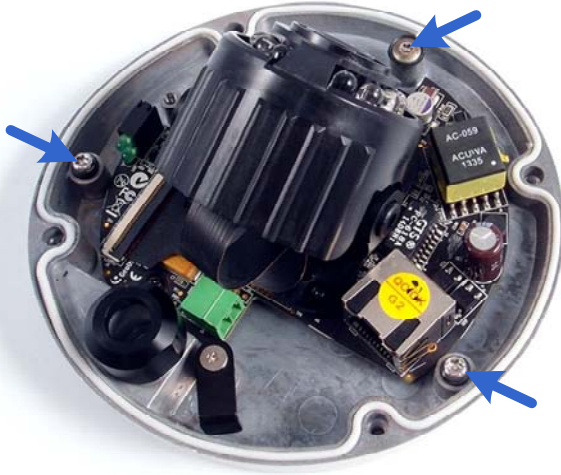


2. Drill the marks and insert 2 screw anchors (GV-Mount918, No. 2).
3. Secure the wall mount bracket to the wall with 2 wall mount screws (GV-Mount918, No. 3) and 2 plain washers (GV-Mount918, No. 5).

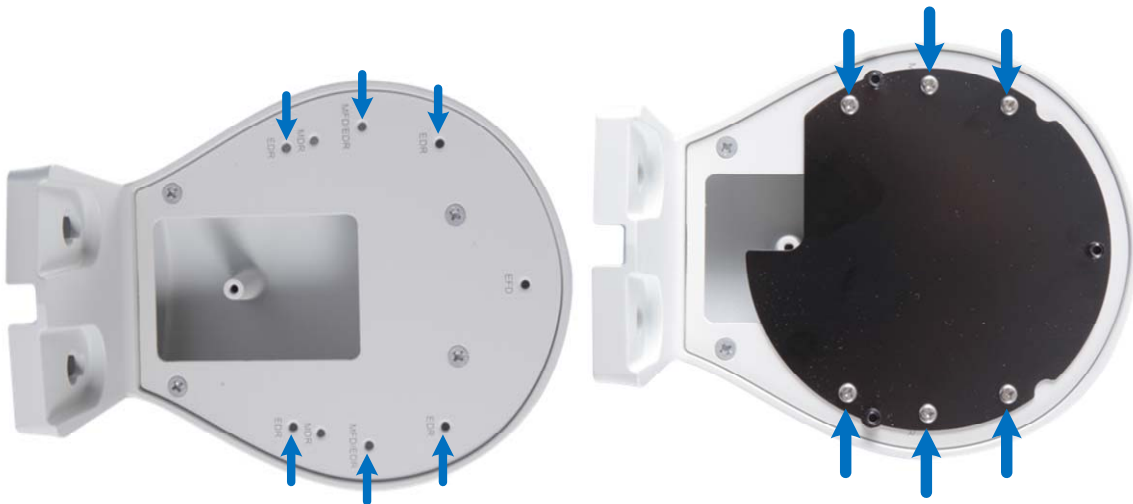
Note: Thread the network, power and other cables through the wall mount bracket before securing the wall mount bracket to the wall.

13 Installing the Target Mini Fixed Rugged Dome

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 H.264 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 H.264 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 H.264 Hardware Manual - EDR***.

13.4 Power Box Mount



Required accessories:

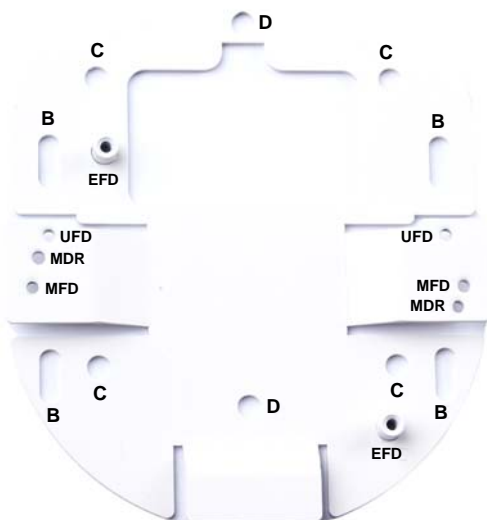
- GV-Mount910 or GV-Mount913

The user needs to prepare

- Screws for securing the mounting plate to power box
-

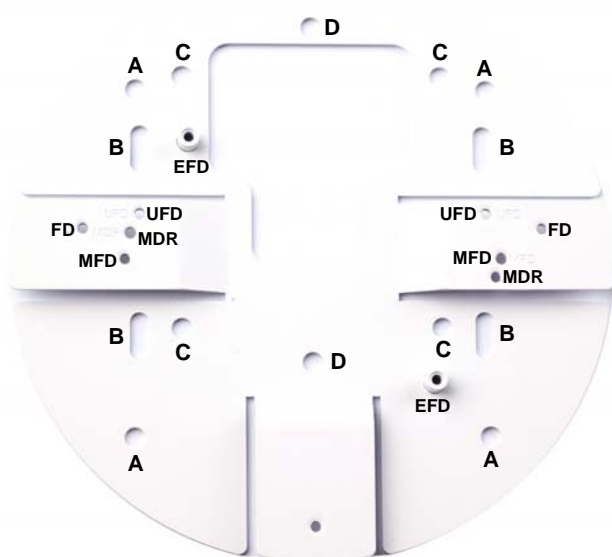
1. Secure the mounting plate (GV-Mount910 or GV-Mount913, No. 1) to the power box with your own screws. Depending on the type of power box, use the holes indicated with the corresponding letter:

GV-Mount910



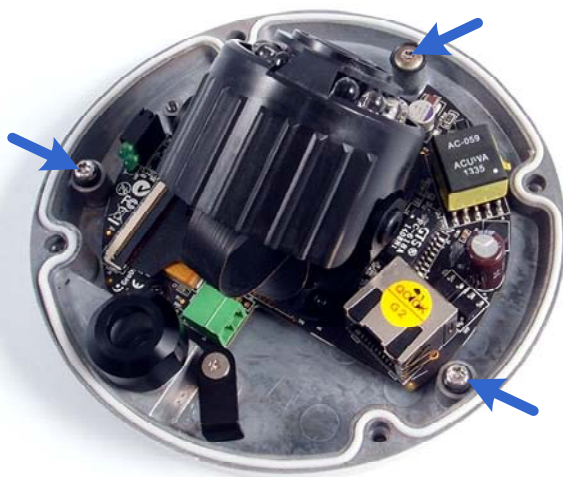
Type of Power Box	Hole
Double Gang	B
4" Octagon	C
Single Gang	D

GV-Mount913



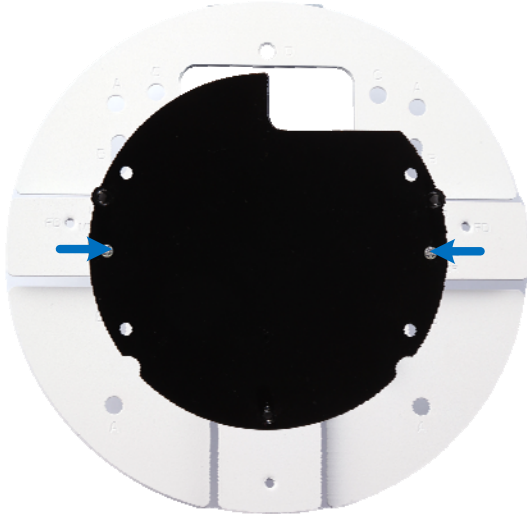
Type of Power Box	Hole
4" Square	A
Double Gang	B
4" Octagon	C
Single Gang	D

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.



13 Installing the Target Mini Fixed Rugged Dome

- Secure the back plate to the mounting plate with M3 screws (GV-Mount910 or GV-Mount913, No. 2). Use the holes indicated with MFD.



- Refer to the indicated sections of the manuals on the software DVD:
 - Finish installing the camera. Follow steps 5 to 15 in *Installation, Target Mini Fixed Rugged Dome* Chapter, **GV-IPCam H.264 Hardware Manual - EDR**.
 - Connect the network and power cables to the camera. See *Connecting the Camera, Target Mini Fixed Rugged Dome* Chapter, **GV-IPCam H.264 Hardware Manual - EDR**.
 - Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 Firmware Manual**.

14. Installing the Target Vandal Proof IP Dome

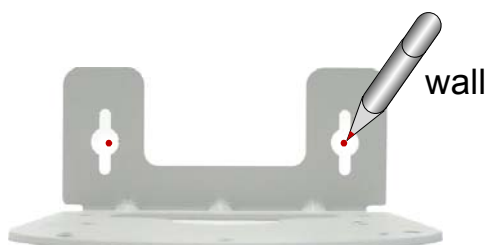
14.1 L-Shaped Wall Mount



Required accessories:

- GV-Mount900
-

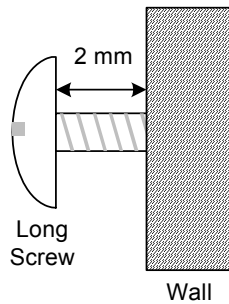
1. Take the wall mount bracket (GV-Mount900, No. 1) and make 2 marks on the wall for screw anchors.



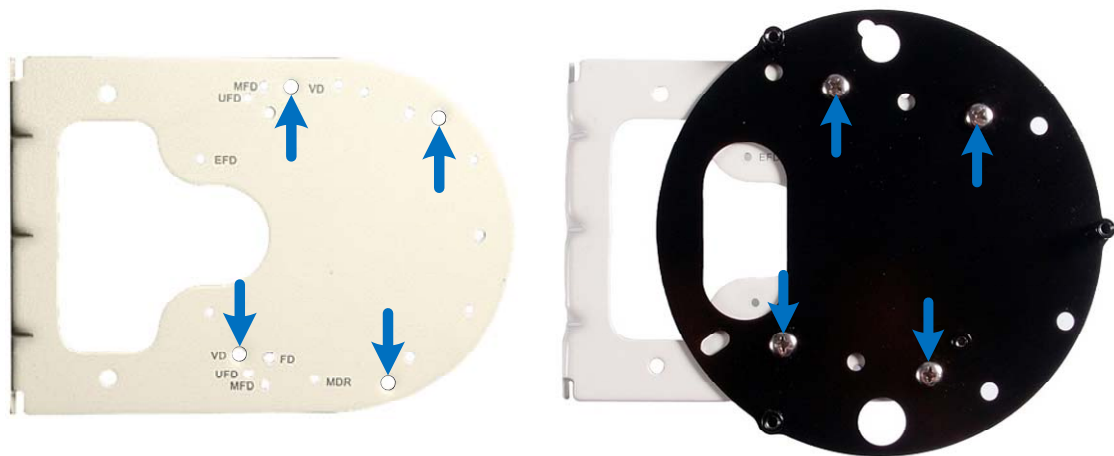
2. Drill the marks and insert 2 screw anchors (GV-Mount900, No. 2).

14 Installing the Target Vandal Proof IP Dome

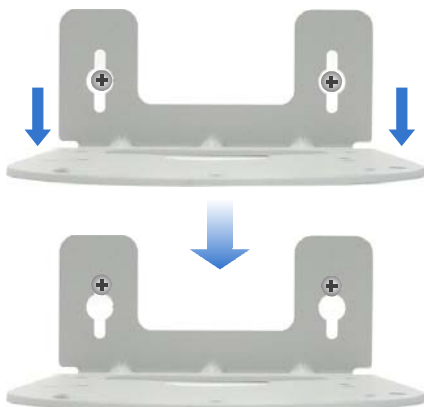
3. Insert the wall mount screws (GV-Mount900, No. 3) and leave enough distance (approximately 2 mm) to hang the wall mount bracket later.



4. 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 H.264 Hardware Manual - EVD** on the software DVD.
5. Align and secure the back plate with the L-shaped mount with four M5 screws (GVMount900, No. 5). Use the holes labeled as **VD**.



6. Secure the camera to the back plate with the supplied torx wrench.
7. Hang the wall mount bracket on the wall mount screws and push the wall mount bracket downward. Tighten the wall mount screws to the wall.



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 H.264 Hardware Manual - EVD**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 Hardware Manual – EVD**.

14.2 Wall Mount Bracket



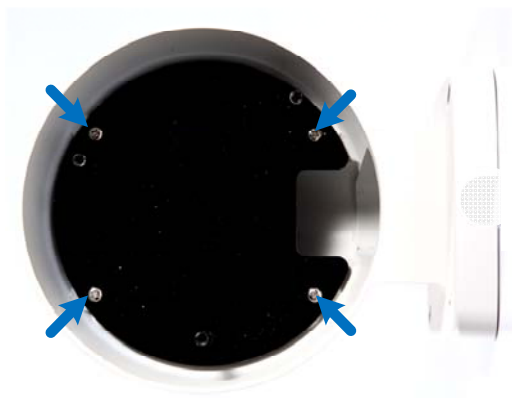
Required accessories:

- 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).



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



- 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 H.264 Hardware Manual - EVD** on the software DVD.
- Align and secure the camera's back plate to the housing plate with four M4 screws (GV-Mount206, No. 4).



- Secure the camera to the back plate with the supplied torx wrench.
- Secure the wall mount bracket to the wall with 40 mm M4 screws (GV-Mount206, No. 5) and plain washers (GV-Mount206, No. 7).
- Refer to the indicated sections of the manuals on the software DVD:
 - Connect the camera to power and network. See *Connecting the Camera, Target Vandal Proof IP Dome* Chapter, **GV-IPCam H.264 Hardware Manual - EVD**.
 - Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 Firmware Manual**.
 - 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 H.264 Hardware Manual – EVD**.

14.3 In-Ceiling Mount

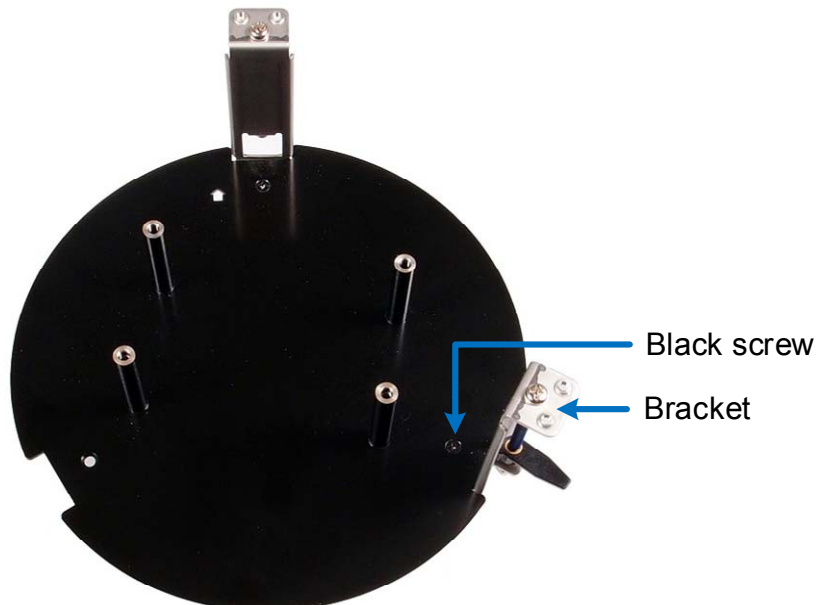


The thickness of the ceiling board must not exceed 4 cm (1.57 in).

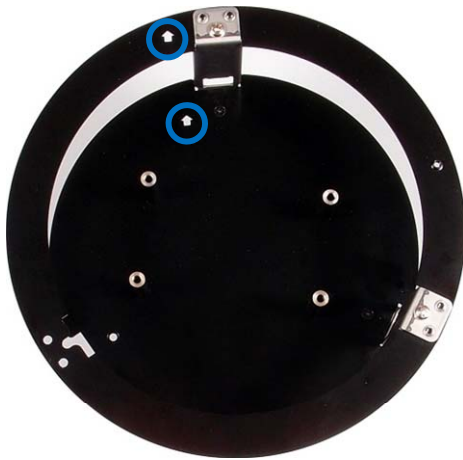
Required accessories:

- GV-Mount916

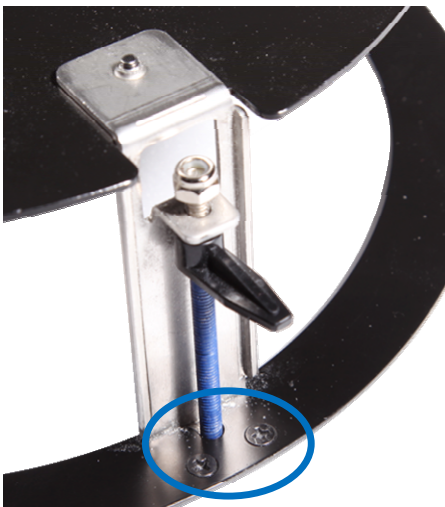
-
1. Assemble the support racks, mounting plate and the mounting ring.
 - A. Secure two brackets (GV-Mount916, No. 1) to the in-ceiling plate (GV-Mount916, No.2) with a black screw (GV-Mount916, No. 5).



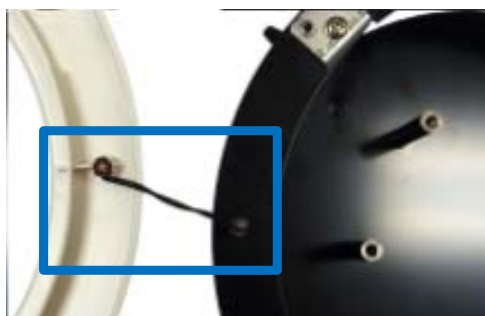
- B. Assemble the in-ceiling ring (GV-Mount916, No. 4). Make sure the arrows on the mounting ring and mounting plate are aligned.



- 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).

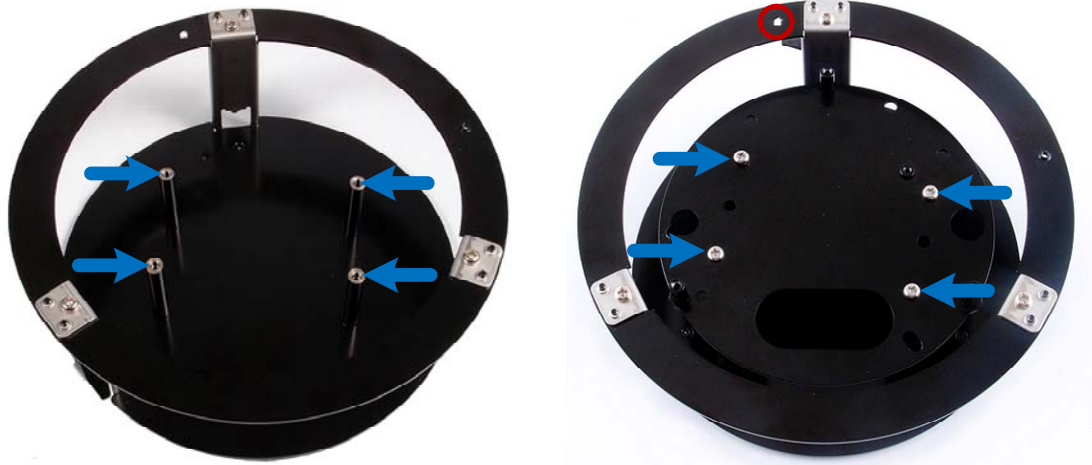


- E. Use the thread lock (GV-Mount916, No. 9) to attach the in-ceiling cover with the in-ceiling ring using the M3 short screw (GV-Mount916, No. 7).

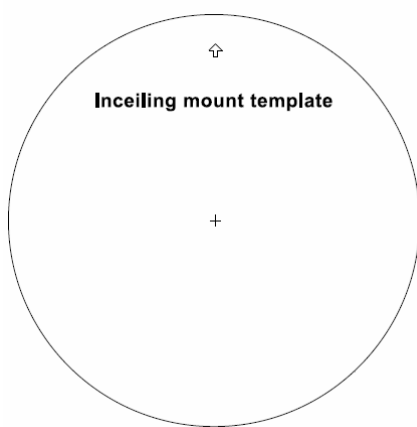


14 Installing the Target Vandal Proof IP Dome

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.

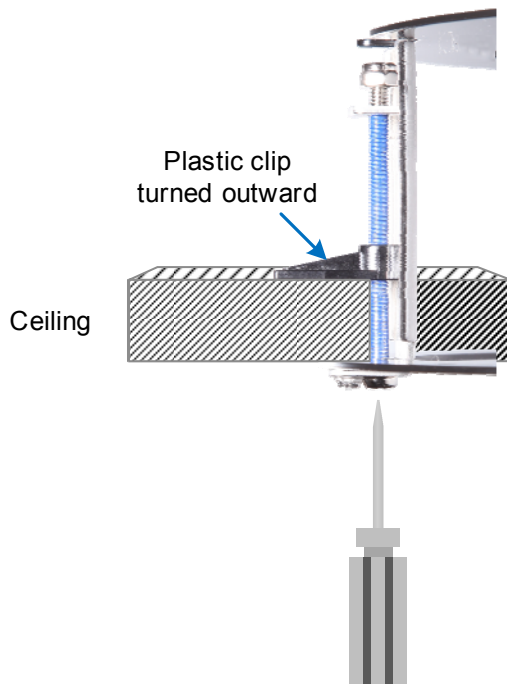


4. Paste the sticker (GV-Mount916, No. 8) to the ceiling, and then cut off the circle part of the ceiling.



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, GV-IPCam H.264 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 H.264 Hardware Manual - EVD*.
 - B. Access the live view. See *Accessing the Live View, Getting Started Chapter, GV-IPCam H.264 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 H.264 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.



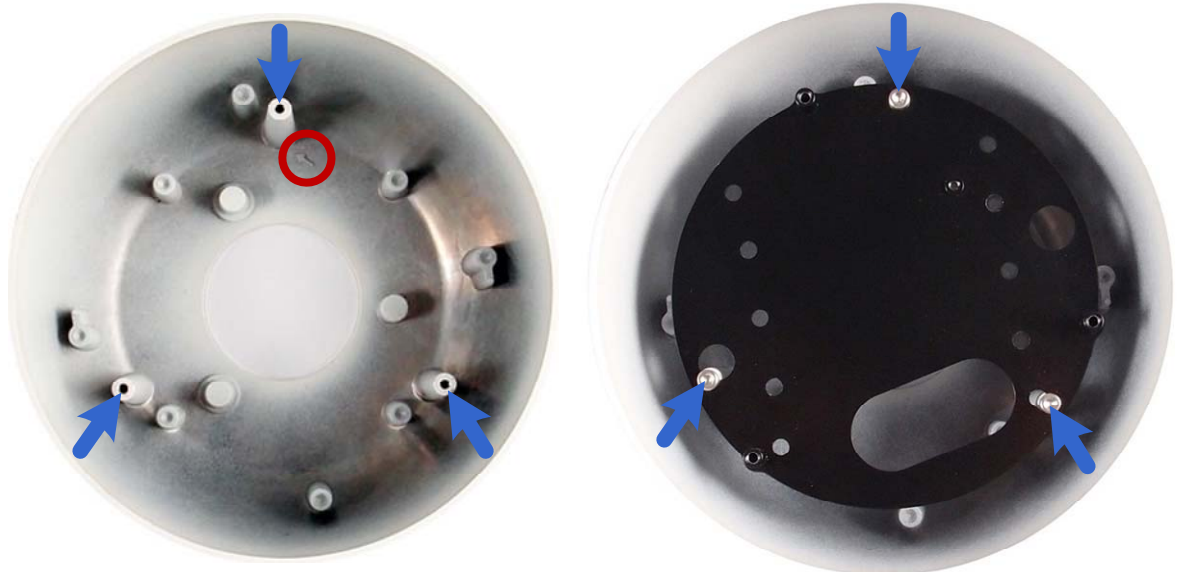
14.4 Assembling Dome Housing



Required accessories:

- GV-Mount903
-

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, GV-IPCam H.264 Hardware Manual - EVD* on the software DVD.
2. Secure the back plate to the dome housing with M4 screws (GV-Mount903, 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.

14.5 Wall Pendant Mount



Required accessories:

- GV-Mount200
- GV-Mount903

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*.

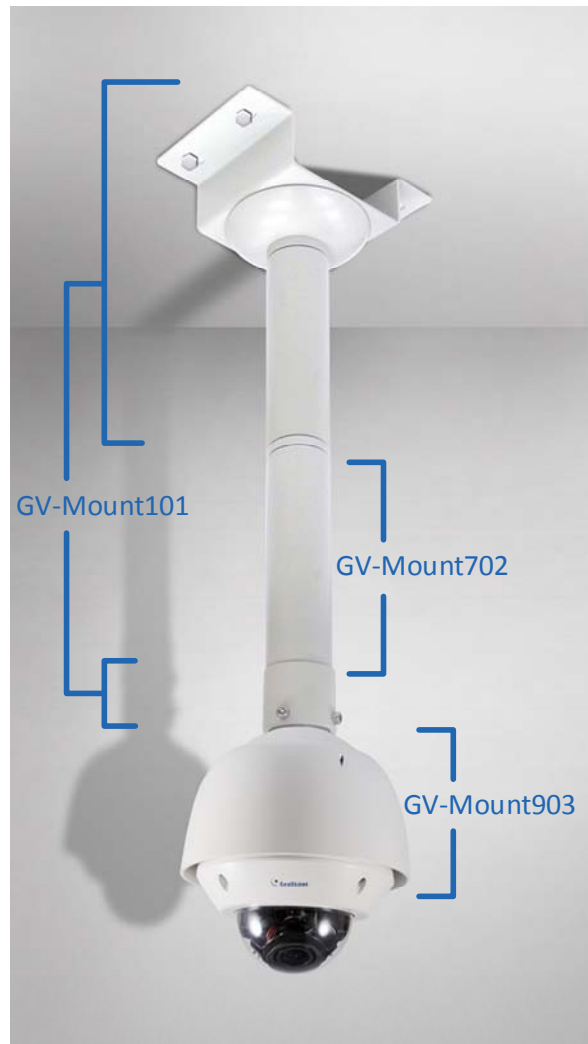
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2. Thread the camera cables from the wall through the pendant tube (GV-Mount200, No. 1), and secure the pendant tube to the end of the housing cap (GV-Mount903, No. 2) with M6 screws (GV-Mount903, No. 4).



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 H.264 Hardware Manual - EVD**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 Hardware Manual – EVD**.

14.6 Straight Tube Mount



Required accessories:

- GV-Mount101
- GV-Mount903

The user needs to prepare:

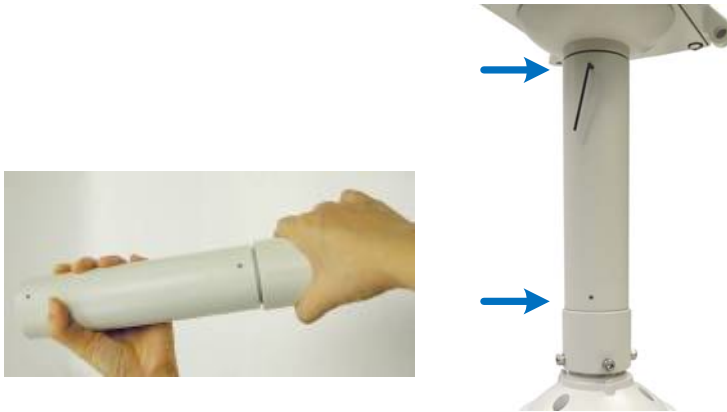
- Screws for ceiling x 4

Optionally extend with:

- GV-Mount702
-

14 Installing the Target Vandal Proof IP Dome

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)

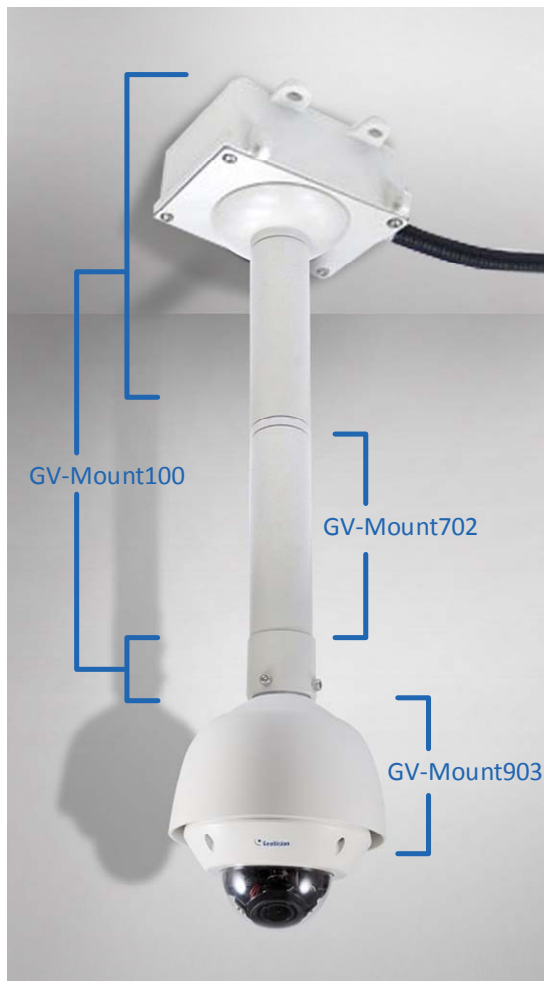


3. Secure the tube to the end of the housing cap (GV-Mount902, No. 2) with M6 screws (GV-Mount101, No. 4).



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 H.264 Hardware Manual - EVD**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 Hardware Manual – EVD**.

14.7 Straight Tube Box Mount



Required accessories:

- GV-Mount100
- GV-Mount903

The user needs to prepare:

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



Optionally extend with:

- GV-Mount702
-

14 Installing the Target Vandal Proof IP Dome

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, No. 2) and secure the tube to the end of the housing cap with M6 screws (GV-Mount903, 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 H.264 Hardware Manual - EVD**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 Hardware Manual – EVD**.

14.8 Convex Corner Mount with Pendant Tube



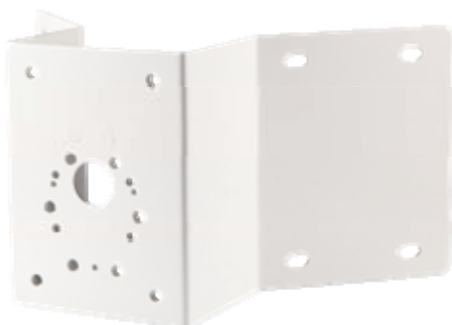
Required accessories:

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

The user needs to prepare:

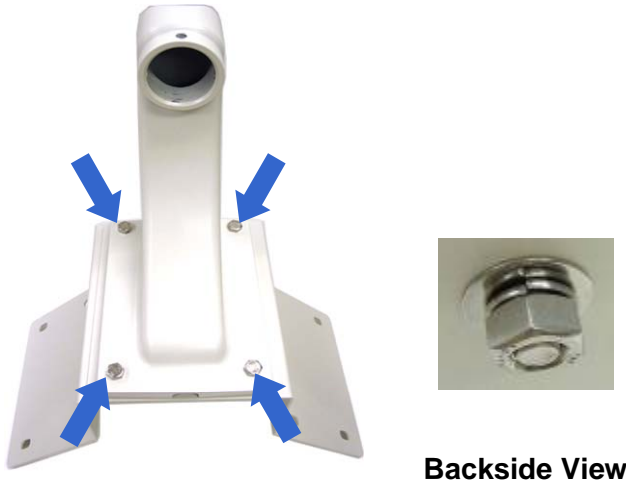
- Screws for wall x 8
-

1. Assemble the camera with the dome housing. See *14.4 Assembling the Dome Housing*.
2. Assemble the mounting plates (GV-Mount300, No. 1), slide in the plain washer (GV-Mount300, No. 4), then the split washer (GV-Mount300, No. 5), and secure them with the screw cap (GV-Mount300, No. 6).



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



- Thread the necessary wires and cables through the pendant tube and secure the plate to the wall with 8 self-prepared screws.
- Thread the wires and cables into the dome and secure the pendant tube to the end of the housing cap (GV-Mount903, No. 2) with M6 screws (GV-Mount903, No. 4).
- Refer to the indicated sections of the manuals on the software DVD:
 - Connect the camera to power and network. See *Connecting the Camera, Target Vandal Proof IP Dome* Chapter, **GV-IPCam H.264 Hardware Manual - EVD**.
 - Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 Firmware Manual**.
 - 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 H.264 Hardware Manual – EVD**.

14.9 Convex Corner Mount with Wall Bracket



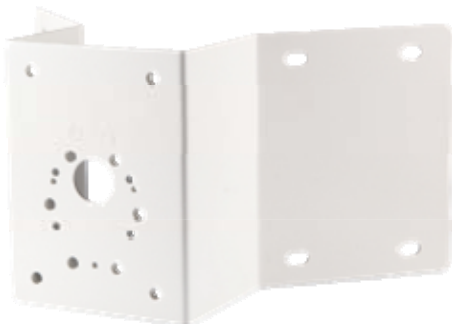
Required accessories:

- GV-Mount300
- GV-Mount900

The user needs to prepare:

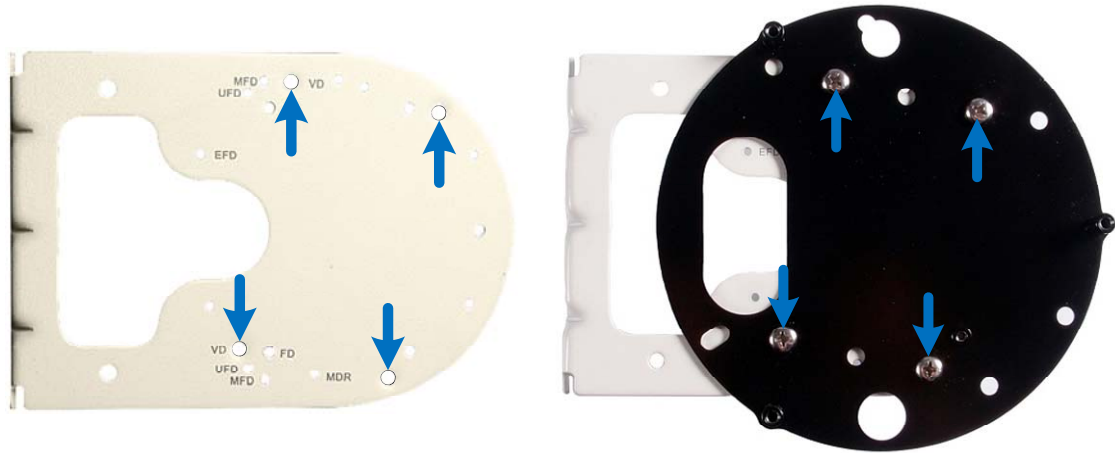
- Screws for wall x 8

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



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2. 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 H.264 Hardware Manual - EVD* on the software DVD.
3. Align and secure the back plate with the L-shaped mount with four M5 screws (GVMount900, No. 5). Use the holes labeled as **VD**.



4. Secure the camera to the back plate with the supplied torx wrench.
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 H.264 Hardware Manual - EVD*.
 - B. Access the live view. See *Accessing the Live View, Getting Started Chapter, GV-IPCam H.264 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 H.264 Hardware Manual – EVD*.

14.10 Convex Corner Box Mount



Required accessories:

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

The user needs to prepare:

- Screws for wall x 8
- Corrugated tube x 1 (3/4", \varnothing 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.

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4. Secure the pendant tube to the end of the housing cap (GV-Mount903, No. 2) with M6 screws (GV-Mount903, 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 H.264 Hardware Manual - EVD**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 Hardware Manual – EVD**.

14.11 Concave Corner Mount with Pendant Tube



Required accessories:

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

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, No. 2) with M6 screws (GV-Mount903, No. 4).

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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 H.264 Hardware Manual - EVD**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 Hardware Manual – EVD**.

14.12 Concave Corner Mount with Wall Bracket



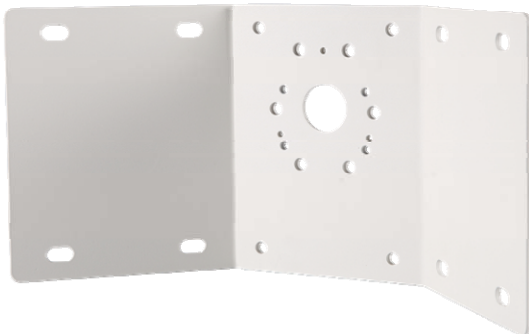
Required accessories:

- GV-Mount310
- GV-Mount900

The user needs to prepare:

- Screws for wall x 8
-

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



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2. 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 H.264 Hardware Manual - EVD* on the software DVD.
3. Align and secure the back plate with the L-shaped mount with four M5 screws (GVMount900, No. 5). Use the holes labeled as **VD**.



4. Secure the camera to the back plate with the supplied torx wrench.
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 H.264 Hardware Manual - EVD*.
 - B. Access the live view. See *Accessing the Live View, Getting Started Chapter, GV-IPCam H.264 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 H.264 Hardware Manual – EVD*.

14.13 Pole Mount



Required accessories:

- GV-Mount200
 - GV-Mount400 or GV-Mount410
 - GV-Mount903
-

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 / GV-Mount410, No. 1). Slide the 30 mm M8 screws (GV-Mount400 / GV-Mount410, No. 3) from the front and secure from the backside using plain washer (GV-Mount400 / GV-Mount410, No. 5), split washer (GV-Mount400 / GV-Mount410, No. 6) and screw cap (GV-Mount400 / GV-Mount410, No. 7).



Backside View

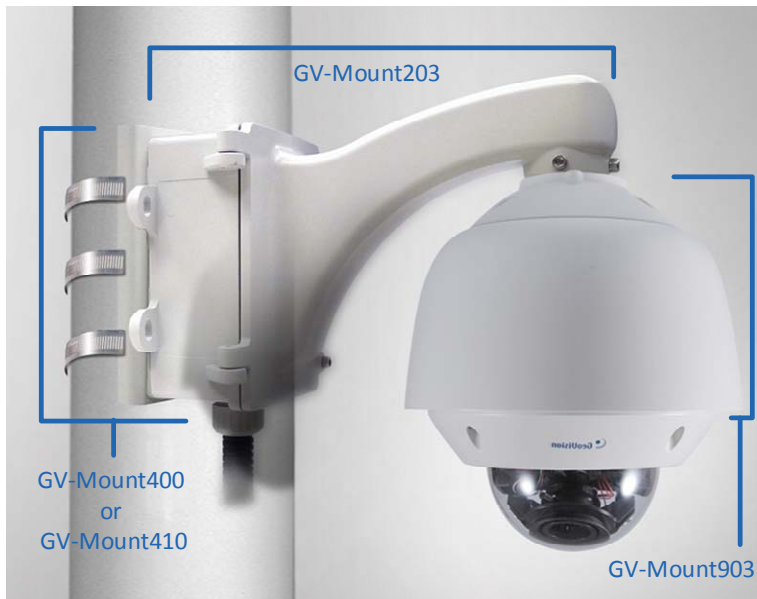
14 Installing the Target Vandal Proof IP Dome

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 / GV-Mount410, 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, No. 2) with M6 screws (GV-Mount903, 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 H.264 Hardware Manual - EVD**.
 - B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 Hardware Manual – EVD**.

14.14 Pole Box Mount



Required accessories:

- GV-Mount203
- GV-Mount400 or GV-Mount410
- GV-Mount903

The user needs to prepare:

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



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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, No. 2) with M6 screws (GV-Mount903, 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 H.264 Hardware Manual - EVD**.

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- B. Access the live view. See *Accessing the Live View, Getting Started* Chapter, **GV-IPCam H.264 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 H.264 Hardware Manual – EVD**.