



# 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-E



**© 2014 GeoVision, Inc. All rights reserved.**

Under the copyright laws, this manual may not be copied, in whole or in part, without the written consent of GeoVision.

Every effort has been made to ensure that the information in this manual is accurate. GeoVision, Inc. makes no expressed or implied warranty of any kind and assumes no responsibility for errors or omissions. No liability is assumed for incidental or consequential damages arising from the use of the information or products contained herein. Features and specifications are subject to change without notice.

GeoVision, Inc.  
9F, No. 246, Sec. 1, Neihu Rd.,  
Neihu District, Taipei, Taiwan  
Tel: +886-2-8797-8377  
Fax: +886-2-8797-8335  
<http://www.geovision.com.tw>

Trademarks used in this manual: *GeoVision*, the *GeoVision* logo and *GV* series products are trademarks of GeoVision, Inc. *Windows* and *Windows XP* are registered trademarks of Microsoft Corporation.

January 2014

# Contents

<b>Contents .....</b>	<b>i</b>
<b>Installation Overview .....</b>	<b>iv</b>
<b>Required Accessories .....</b>	<b>vii</b>
<b>Note for Installing Camera Outdoor .....</b>	<b>x</b>
<b>Note for Adjusting Focus and Zoom .....</b>	<b>xi</b>
<b>Note for Closing the Bullet Camera Cover .....</b>	<b>xii</b>
<b>Note for Supported Power Box Types .....</b>	<b>xiii</b>
<b>1. Introduction.....</b>	<b>1</b>
1.1 Accessories List.....	1
1.2 Dimensions .....	10
1.3 Packing Lists .....	14
<b>2. Installing the Vandal Proof IP Dome .....</b>	<b>25</b>
2.1 Assembling the Vandal Proof IP Dome with the dome housing.....	25
2.3 Straight Tube Mount .....	31
2.4 L-Shaped Wall Mount .....	34
2.5 Wall Box Mount .....	37
2.6 Wall Pendant Mount .....	40
2.7 Convex Corner Mount with Pendant Tube .....	42
2.8 Convex Corner Mount with Wall Bracket.....	44
2.9 Convex Corner Box Mount .....	48
2.10 Concave Corner Mount with Pendant Tube .....	52
2.11 Concave Corner Mount with Wall Bracket.....	54
2.12 Pole Mount with Pendant Tube .....	57
2.13 Pole Mount with Wall Bracket.....	59
2.14 Pole Box Mount .....	62
<b>3. Installing the Fixed IP Dome.....</b>	<b>65</b>
3.1 Basic Installation.....	65
3.1.1 Assembling the Fixed IP Dome with the Dome Housing.....	65












3.1.2 Putting on the Housing Cover .....	67
3.2 Straight Tube Box Mount.....	68
3.3 Straight Tube Mount .....	72
3.4 L-Shaped Wall Mount .....	75
3.5 Wall Box Mount .....	78
3.6 Wall Pendant Mount .....	80
3.7 Convex Corner Mount .....	82
3.8 Convex Corner Box Mount .....	84
3.9 Concave Corner Mount .....	88
3.10 Pole Mount .....	90
3.11 Pole Box Mount .....	92
3.12 Power Box Mount .....	95
<b>4. Installing the Fisheye Camera .....</b>	<b>97</b>
4.1 Assembling the Fisheye Camera with the Dome Housing .....	97
4.2 Straight Tube Box Mount.....	99
4.3 Straight Tube Mount .....	103
4.4 Wall Pendant Mount .....	105
4.5 Tilting Wall Mount .....	106
4.6 Convex Corner Mount .....	109
4.7 Convex Corner Box Mount .....	111
4.8 Concave Corner Mount .....	114
4.9 Pole Mount .....	116
4.10 Pole Box Mount .....	118
4.11 Power Box Mount .....	121
<b>5. Installing the GV-SD220/220-S IP Speed Dome.....</b>	<b>123</b>
5.1 Assembling GV-SD220-S with Pendant Tube.....	123
5.2 GV-SD220 In-Ceiling Mount .....	125
5.3 GV-SD220-S In-Ceiling Mount .....	129
5.4 Straight Tube Box Mount.....	132
5.5 Straight Tube Mount .....	135
5.6 Convex Corner Mount .....	138
5.7 Convex Corner Box Mount .....	139
5.9 Pole Mount .....	143
5.10 Pole Box Mount .....	144

<b>6. Installing the Bullet Camera .....</b>	<b>146</b>
6.1 Convex Corner Mount .....	146
6.2 Concave Corner Mount .....	148
6.3 Pole Mount .....	150
 <b>7. Installing the Arctic Box Camera .....</b>	 <b>152</b>
7.1 Convex Corner Mount .....	152
7.2 Concave Corner Mount .....	154
7.3 Pole Mount .....	156
 <b>8. Installing the Mini Fixed Dome .....</b>	 <b>158</b>
8.1 L-Shaped Wall Mount .....	158
8.2 Wall Box Mount .....	160
8.3 Power Box Mount .....	162
 <b>9. Installing the Mini Fixed Rugged Dome.....</b>	 <b>164</b>
9.1 L-Shaped Wall Mount .....	164
9.2 Wall Box Mount .....	167
9.3 Power Box Mount .....	169

# Installation Overview

	GV-VD Series	GV-FD Series	GV-FE Series	GV-SD220 or GV-SD220-S	GV-BL Series	GV-BX-E Series
<b>Standard Installation</b>						
<b>Ceiling</b>	<b>Hard Ceiling</b>					
				 *GV-SD220 only		
	<b>In-Ceiling</b>					
						
<b>Wall</b>		<b>Wall-Surface</b>	<b>Wall Mount</b>	<b>Wall Pendant</b>	<b>Wall Mount</b>	<b>Wall Mount</b>
				 *GV-SD220-S only		
<b>Ground</b>	<b>Ground Mount</b>					
						
<b>Optional Installation</b>						
<b>Ceiling</b>	<b>In-Ceiling Mount</b>					
				 *GV-SD220 only   *GV-SD220-S only		

	GV-VD Series	GV-FD Series	GV-FE Series	GV-SD220 or GV-SD220-S	GV-BL Series	GV-BX-E Series
<b>Optional Installation</b>						
<b>Ceiling</b>	<b>Straight Tube</b>					
				 *GV-SD220-S only		
	<b>Straight Tube Box</b>					
				 *GV-SD220-S only		
<b>Corner</b>	<b>Convex Corner Mount</b>					
				 *GV-SD220-S only		
						
	<b>Convex Corner Box Mount</b>					
				 *GV-SD220-S only		
	<b>Concave Corner Mount</b>					
				 *GV-SD220-S only		
						

	GV-VD Series	GV-FD Series	GV-FE Series	GV-SD220 or GV-SD220-S	GV-BL Series	GV-BX-E Series
<b>Optional Installation</b>						
<b>Pole</b>	<b>Pole Mount</b>					
				 *GV-SD220-S only		
						
	<b>Pole Box Mount</b>					
				 *GV-SD220-S only		

	GV-VD Series	GV-FD Series	GV-FE Series	GV-MFD Series	GV-MDR Series
<b>Optional Installation</b>					
<b>Wall</b>	<b>L-Shaped Wall Mount</b>	<b>L-Shaped Wall Mount</b>	<b>Tilting Wall Mount</b>	<b>L-Shaped Wall Mount</b>	<b>L-Shaped Wall Mount</b>
					
	<b>Wall Pendant Mount</b>				
					
	<b>Wall Box Mount</b>				
					
<b>Power Box</b>	<b>Power Box Mount</b>				
					



# Required Accessories

A variety of optional installation methods are designed for **GV-Vandal Proof IP Dome**, **GV-Fixed IP Dome**, **GV-Fisheye Camera**, **outdoor GV-IP Speed Dome**, **GV-Bullet Camera**, **GV-Arctic Box Camera**, **GV-Mini Fixed Dome** and **GV-Mini Fixed Rugged Dome** to be installed in different environments. Look up the required accessories from the table below. For more information, contact your local dealer.

Optional Installation Method		Required Accessories
<b>Ceiling Mount</b>		
Straight Tube Box Mount	GV-FD Series	GV-Mount100 + GV-Mount902
	GV-FE Series	GV-Mount100 + GV-Mount903
	GV-SD220-S	GV-Mount100
	GV-VD Series	GV-Mount100 + GV-Mount901
Straight Tube Mount	GV-FD Series	GV-Mount101 + GV-Mount902
	GV-FE Series	GV-Mount101 + GV-Mount903
	GV-SD220-S	GV-Mount101
	GV-VD Series	GV-Mount101 + GV-Mount901
In-Ceiling Mount	GV-SD220	GV-Mount907
	GV-SD220-S	GV-Mount908
<b>Corner Mount</b>		
Convex Corner Mount	GV-BL Series	GV-Mount300
	GV-BX-E Series	GV-Mount300
	GV-FD Series	GV-Mount300 + GV-Mount200 + GV-Mount902
	GV-FE Series	GV-Mount300 + GV-Mount200 + GV-Mount903
	GV-SD220-S	GV-Mount300 + GV-Mount200
	GV-VD Series	GV-Mount300 + GV-Mount900 GV-Mount300 + GV-Mount200 + GV-Mount901
Convex Corner Box Mount	GV-FD Series	GV-Mount300 + GV-Mount203 + GV-Mount902
	GV-FE Series	GV-Mount300 + GV-Mount203 + GV-Mount903
	GV-SD220-S	GV-Mount300 + GV-Mount203
	GV-VD Series	GV-Mount300 + GV-Mount203 + GV-Mount901
Concave Corner Mount	GV-BL Series	GV-Mount310
	GV-BX-E Series	GV-Mount310
	GV-FD Series	GV-Mount310 + GV-Mount200 + GV-Mount902
	GV-FE Series	GV-Mount310 + GV-Mount200 + GV-Mount903
	GV-SD220-S	GV-Mount310 + GV-Mount200
	GV-VD Series	GV-Mount310 + GV-Mount900 GV-Mount310 + GV-Mount200 + GV-Mount901

Optional Installation Method			Required Accessories
Pole Mount			
Pole Mount	Ø 4'' ~ 6''	GV-BL Series	GV-Mount400
		GV-BX-E Series	GV-Mount400
		GV-FD Series	GV-Mount400 + GV-Mount200 + GV-Mount902
		GV-FE Series	GV-Mount400 + GV-Mount200 + GV-Mount903
		GV-SD220-S	GV-Mount400 + GV-Mount200
		GV-VD Series	GV-Mount400 + GV-Mount900
			GV-Mount400 + GV-Mount200 + GV-Mount901
	Ø 6'' ~ 7.5''	GV-BL Series	GV-Mount410
		GV-BX-E Series	GV-Mount410
		GV-FD Series	GV-Mount410 + GV-Mount200 + GV-Mount902
		GV-FE Series	GV-Mount410 + GV-Mount200 + GV-Mount903
		GV-SD220-S	GV-Mount410 + GV-Mount200
		GV-VD Series	GV-Mount410 +GV-Mount900
			GV-Mount410 + GV-Mount200 + GV-Mount901
Pole Mount			
Pole Box Mount	Ø 4'' ~ 6''	GV-FD Series	GV-Mount400 + GV-Mount203 + GV-Mount902
		GV-FE Series	GV-Mount400 + GV-Mount203 + GV-Mount903
		GV-SD220-S	GV-Mount400 + GV-Mount203
		GV-VD Series	GV-Mount400 + GV-Mount203 + GV-Mount901
	Ø 6'' ~ 7.5''	GV-FD Series	GV-Mount410 + GV-Mount203 + GV-Mount902
		GV-FE Series	GV-Mount410 + GV-Mount203 + GV-Mount903
		GV-SD220-S	GV-Mount410 + GV-Mount203
		GV-VD Series	GV-Mount410 + GV-Mount203 + GV-Mount901
Wall Mount			
L-Shaped Wall Mount	GV-FD Series	GV-Mount900	
	GV-MFD Series	GV-Mount900	
	GV-MDR Series	GV-Mount900	
	GV-VD Series	GV-Mount900	
Wall Box Mount	GV-FD Series	GV-Mount909	
	GV-MFD Series	GV-Mount909	
	GV-MDR Series	GV-Mount909	
	GV-VD Series	GV-Mount909	
Wall Pendant Mount	GV-FD Series	GV-Mount200 + GV-Mount902	
	GV-FE Series	GV-Mount200 + GV-Mount903	
	GV-VD Series	GV-Mount200 + GV-Mount901	
Tilting Wall Mount	GV-FE Series	GV-Mount904	

Optional Installation Method		Required Accessories
<b>Power Box Mount</b>		
Power Box Mount	GV-FE Series GV-FER521	GV-Mount912
	GV-FD Series	GV-Mount913
	GV-MDR Series	GV-Mount910 or GV-Mount913
	GV-MFD Series	GV-Mount910 or GV-Mount913

### IMPORTANT:

1. 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,

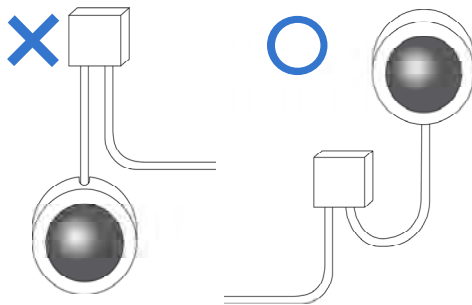


2. To extend the tube for **Straight Tube Box Mount** and **Straight Tube Mount**, purchase a GV-Mount702.

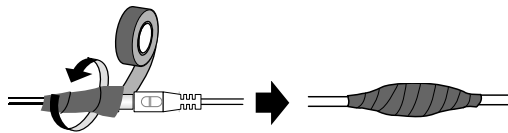
# Note for Installing Camera Outdoor

When installing the camera outdoor, be sure that:

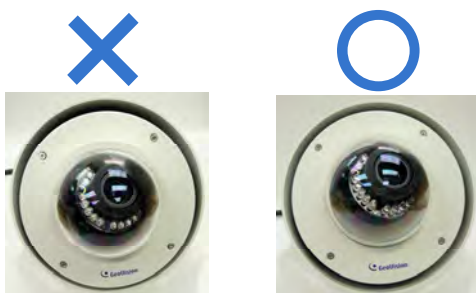
1. The camera is set up above the junction box to prevent water from entering the camera along the cables.



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



3. After opening the camera cover, ensure the screws are tightened and the cover is in place.

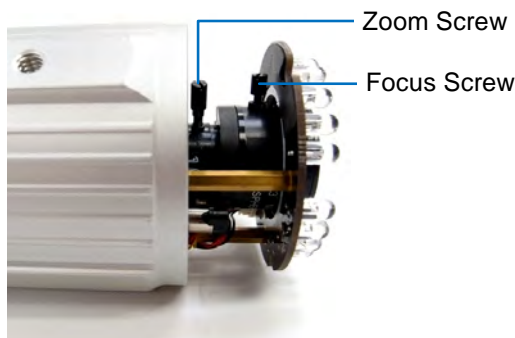


4. To prevent the lens from fogging up, ensure to replace the silica gel bag/desiccant pack every time you open the camera, and conceal the gel bag/desiccant pack in the camera within 2 minutes of exposing to open air. The silica gel bag/desiccant loses its effectiveness when the dry camera is opened.

## Note for Adjusting Focus and Zoom

When adjusting the Focus and Zoom Screws (on Bullet Camera, Vandal Proof IP Dome and Fixed IP Camera), 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 Camera**

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

# Note for Closing the Bullet Camera Cover

To ensure that the camera performs its full capacity against water and dust, adhere to the following guidelines when closing the Bullet Camera cover:

## 1. Line up the dots

Tighten the camera cover until the dots on the cover and the body line up as indicated below.



## 2. Make your own marks

For earlier models, you may not have dots on your camera. In this case, make your own marks on the camera cover and the body to note down the position.

# Note for Supported Power Box Types

The supported types of power boxes are detailed below:

Power Box Type	GV-Mount910	GV-Mount912 GV-Mount913
Single Gang	✓	✓
Double Gang	✓	✓
4" Octagon	✓	✓
4" Square		✓




Single Gang	Double Gang	4" Octagon	4" Square
			





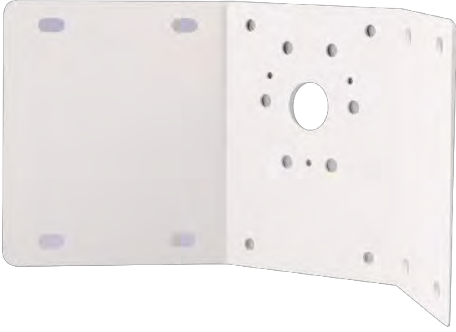





# 1. Introduction

## 1.1 Accessories List

Model No.	Name	Details
GV-Mount100	<b>Straight Tube and Junction Box Kit</b> 	<b>Dimensions</b> 200 x 170 x 257.5 mm / 7.9 x 6.7 x 10.1 in
		<b>Weight</b> 3.17 Kg / 6.99 lbs
		<b>Supplied with</b> M5 flat screw (15 mm) x 4 Corrugated tube connector x 1 No.2 torx wrench x 1
GV-Mount101	<b>Straight Tube Kit</b> 	<b>Dimensions</b> 219 x 125 x 332 mm / 8.6 x 4.9 x 13.1 in
		<b>Weight</b> 1.8 Kg / 3.97 lbs
		<b>Supplied with</b> No.2 torx wrench x 1
GV-Mount200	<b>Wall Pendant Tube</b> 	<b>Dimensions (L x W x D)</b> 200 x 140 x 254 mm / 7.9 x 5.5 x 10.0 in
		<b>Weight:</b> 0.93 Kg / 2.05 lbs

Model No.	Name	Details
GV-Mount203	<b>Wall Pendant Tube and Junction Box Kit</b>  	<b>Dimensions</b> 315 x 195.5 x 225 mm / 12.4 x 7.7 x 8.9 in
		<b>Weight</b> 2.95 Kg / 6.5 lbs
		<b>Supplied with</b> M5 screw (25 mm) x 2 Corrugated tube connector x 1 No.5 Torx Wrench x 1
GV-Mount300	<b>Convex Corner Adapter Kit</b>  	<b>Dimensions</b> 238.6 x 409.5 mm / 9.4 x 16.1 in
		<b>Weight</b> 4.27 Kg / 9.41 lbs
		<b>Option 1 Supplied with:</b> M8 screw (30 mm) x 4 M8 screw cap x 6 M8 split washer x 6 M8 plain washer x 6 M5 screw (20 mm) x 3 M5 screw cap x 3 M5 split washer x 3 M5 plain washer x 3  <b>Option 2 Supplied With:</b> M8 screw (25 mm) x 4 M8 screw cap x 6 M8 split washer x 6 M8 plain washer x 6 M5 screw (25 mm) x 2 M5 screw (20 mm) x 3 M5 screw cap x 3 M5 split washer x 3 M5 plain washer x 3




Model No.	Name	Details
GV-Mount310	<b>Concave Corner Adapter Kit</b>  	<b>Dimensions</b> 123.3 x 393.1 mm / 4.9 x 15.5 in
		<b>Weight</b> 2.96 Kg / 6.53 lbs
		<b>Supplied with</b> M8 screw (30 mm) x 4 M8 screw cap x 6 M8 split washer x 6 M8 plain washer x 6 M5 screw (20 mm) x 3 M5 screw cap x 3 M5 split washer x 3 M5 plain washer x 3
GV-Mount400	<b>Pole Mount Bracket Kit (Ø 4" ~ 6")</b>  	<b>Dimensions (Bracket)</b> Bracket: 241 x 161 mm / 9.5 x 6.3 <b>Steel Strap Diameter</b> Ø 4" ~ 6"
		<b>Weight</b> 1.70 Kg / 3.75 lbs
		<b>Supplied with</b> Stainless steel strap (Ø 4" ~ 6") x 3 M8 screw (30 mm) x 4 M8 screw (25 mm) x 4 M8 screw cap x 4 M8 split washer x 4 M8 plain washer x 4 M5 screw (20 mm) x 3 M5 screw cap x 3 M5 split washer x 3 M5 plain washer x 3

Model No.	Name	Details
GV-Mount410	<b>Pole Mount Bracket Kit (Ø 6" ~ 7.5")</b>  	<b>Dimensions (Bracket)</b> 241 x 161 mm / 9.5 x 6.3 in <b>Steel Strap Diameter</b> Ø 6" ~ 7.5"
		<b>Weight</b> 1.70 Kg / 3.75 lbs
		<b>Supplied with</b> Stainless steel strap (Ø 6" ~ 7.5") x 3 M8 screw (30 mm) x 4 M8 screw (25 mm) x 4 M8 screw cap x 4 M8 split washer x 4 M8 plain washer x 4 M5 screw (20 mm) x 3 M5 screw cap x 3 M5 split washer x 3 M5 plain washer x 3
GV-Mount702	<b>Extension Tube</b>  	<b>Four options are available.</b>
		<b>Dimensions</b> Ø 5.4 x 10 or 20 or 30 or 50 cm Ø 2.1 x 3.9 / 7.9 / 11.8 / 19.7 in
		<b>Weight</b> 180 g / 0.4 lbs 390 g / 0.86 lbs 550 g / 1.21lbs 800 g / 1.76 lbs
		<b>Supplied with</b> Extension tube connector x 1



Model No.	Name	Details
GV-Mount900	<b>Wall Mount Bracket</b> 	<b>Dimensions</b> 154 x 108 x 50 mm / 6.1 x 4.3 x 2 in <b>Weight</b> 240 g / 0.53 lb <b>GV-FD Series, GV-MFD Series, GV-MDR Series Supplied with</b> Screw anchor x 4 Wall mount screw x 4 M3 screw (8 mm) x 4 <b>GV-VD Series Supplied with</b> Screw anchor x 4 Wall mount screw x 4 M5 screw x 6
GV-Mount901	<b>GV-VD Series Dome Housing</b> 	<b>Dimensions</b> ø 186 x 97.5 mm / ø 7.3 x 3.8 in <b>Weight:</b> 600 g / 1.32 lb <b>Supplied with</b> M4 screw x 4 M6 screw x 7
GV-Mount902	<b>GV-FD Series Dome Housing</b> 	<b>Dimensions</b> ø 186 x 97.5 mm / ø 7.3 x 3.8 in <b>Weight</b> 600 g / 1.32 lb <b>Supplied with</b> Left & right rack x 1 (pair) Housing plate x 1 Small screw x 3 M4 screw x 4 M6 screw x 7

Model No.	Name	Details
GV-Mount903	<b>Fisheye Dome Housing</b>  	<b>Dimensions</b> ø 185.51 x 150.35 mm / 7.3 x 5.9 in
		<b>Weight</b> 700 g / 1.54 lb
		<b>Supplied with</b> M4 screw x 4 M6 screw x 7
GV-Mount904	<b>Tilting Wall Mount Bracket</b>  	<b>Dimensions</b> ø 159.1 x 40.5 mm / ø 6.3 x 1.6 in
		<b>Tilt angle:</b> 0-20 °
		<b>Supplied with</b> Back cover x 1 Back plate x 1 Tilting rack x 1 Long screw x 3 Short screw x 9 Installation sticker x 1

Model No.	Name	Details
GV-Mount907	<b>In-Ceiling Mounting Kit for GV-SD220 IP Speed Dome</b> 	<b>Dimensions</b> Ø 230 x 153.49 mm / Ø 9.08 x 6.05 in
		<b>Weight</b> 0.87 kg / 1.91 lb
		<b>Supplied with</b> In-ceiling cover x 1 Mounting ring x 1 Mounting plate x 1 Support rack x 3 Screw x 9 Thread lock & screw x 1 set Lock plate & screw x 1 set Hex key x 1
GV-Mount908	<b>In-Ceiling Mounting Kit for GV-SD220-S IP Speed Dome</b> 	<b>Dimensions</b> Mounting plate: 227 x 286 mm / 8.9" x 11.3"
		<b>Weight</b> 2.05 Kg / 4.5 lb
		<b>Supplied with</b> Screw x 4 Hex key x 1 M6 screw x 4 Installation sticker x 1 M4 screw x 2 In-ceiling cover x 1

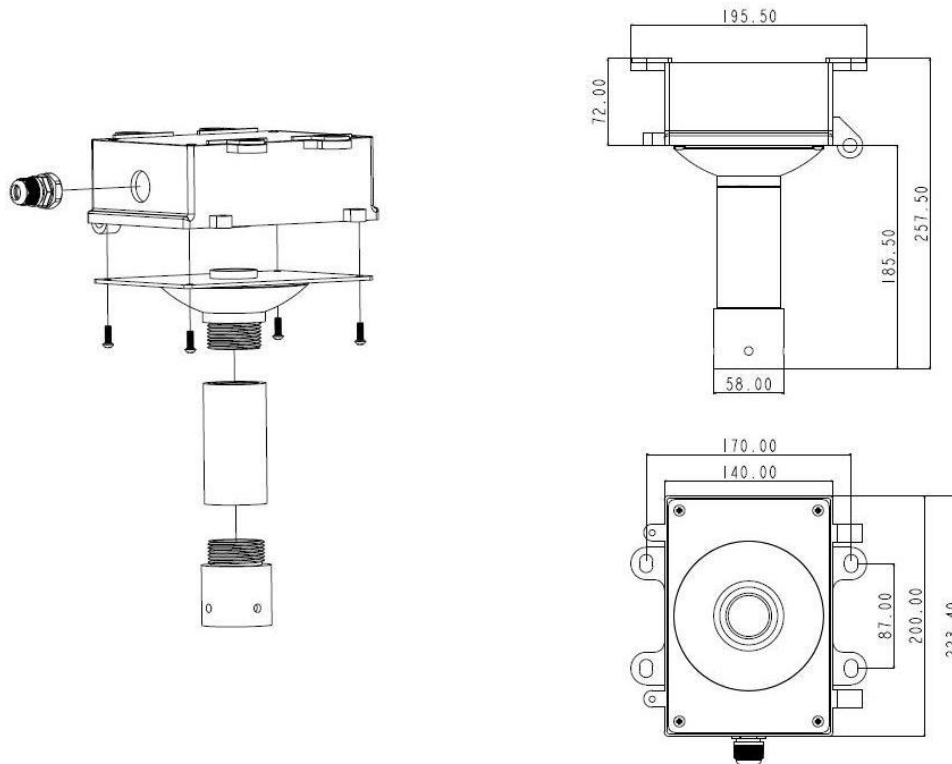
Model No.	Name	Details
GV-Mount909	<b>Wall Mount Bracket</b> 	<b>Dimensions</b> 170 x 150 x 110 mm / 6.7" x 5.9" x 4.3"
		<b>Weight</b> 610 g / 1.34 lb
		<b>GV-FD Series, GV-MFD Series, GV-MDR Series are Supplied with</b> Screw anchor x 4 Wall mount screw x 4 M3 screw (8 mm) x 4
		<b>GV-VD Series is Supplied with</b> Screw anchor x 4 Wall mount screw x 4 M5 screw x 6
GV-Mount910	<b>Power Box Mount Bracket</b> 	<b>Dimensions</b> 112 x 98 x 7.5 mm / 4.4" x 3.9" x 0.3"
		<b>Weight</b> 105 g / 0.23 lb
		<b>Supplied with</b> M3 screw (8 mm) x 4
GV-Mount912	<b>Power Box Mount Bracket</b> 	<b>Dimensions</b> Ø146 x 10.5 mm / 5.7" x 0.4"
		<b>Weight</b> 180 g / 0.4 lb
		<b>Supplied with</b> M3 screw (8 mm) x 4



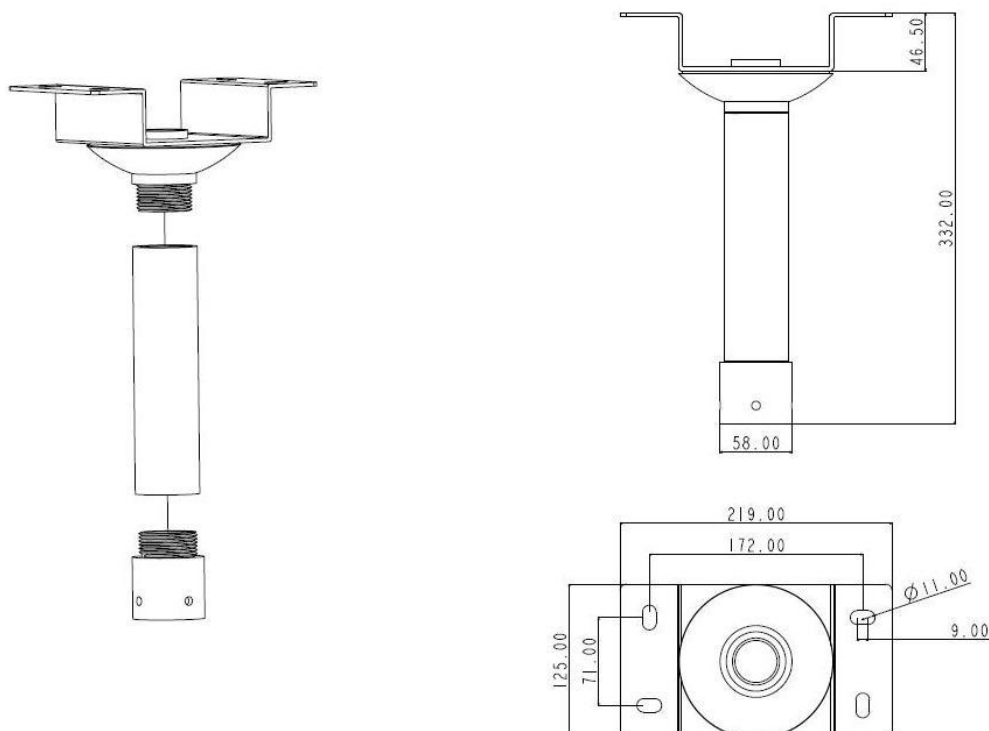
Model No.	Name	Details
GV-Mount913	<b>Power Box Mount Bracket</b> 	<b>Dimensions</b> Ø146 x 7.5 mm / 5.7" x 0.3"
		<b>Weight</b> 180 g / 0.4 lb
		<b>Supplied with</b> M3 screw (8 mm) x 4
GV-PA191	<b>Power over Ethernet (PoE) Adapter</b> 	<p>The GV-PA191 is a Power over Ethernet (PoE) adapter designed to provide power to the IP device through a single Ethernet cable.</p> <p>For details, see  <a href="http://www.geovision.com.tw/english/Prod_GVPA191.asp">http://www.geovision.com.tw/english/Prod_GVPA191.asp</a> </p>

## 1.2 Dimensions

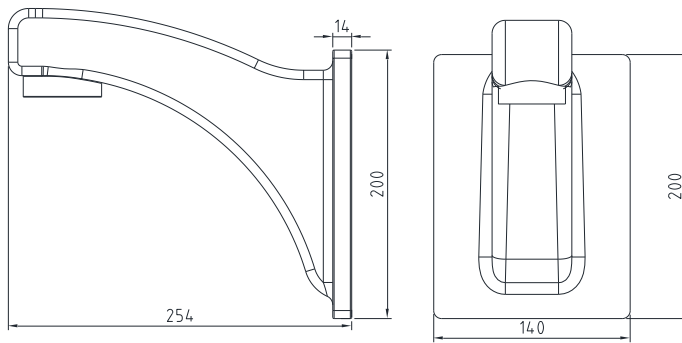
- **GV-Mount100**



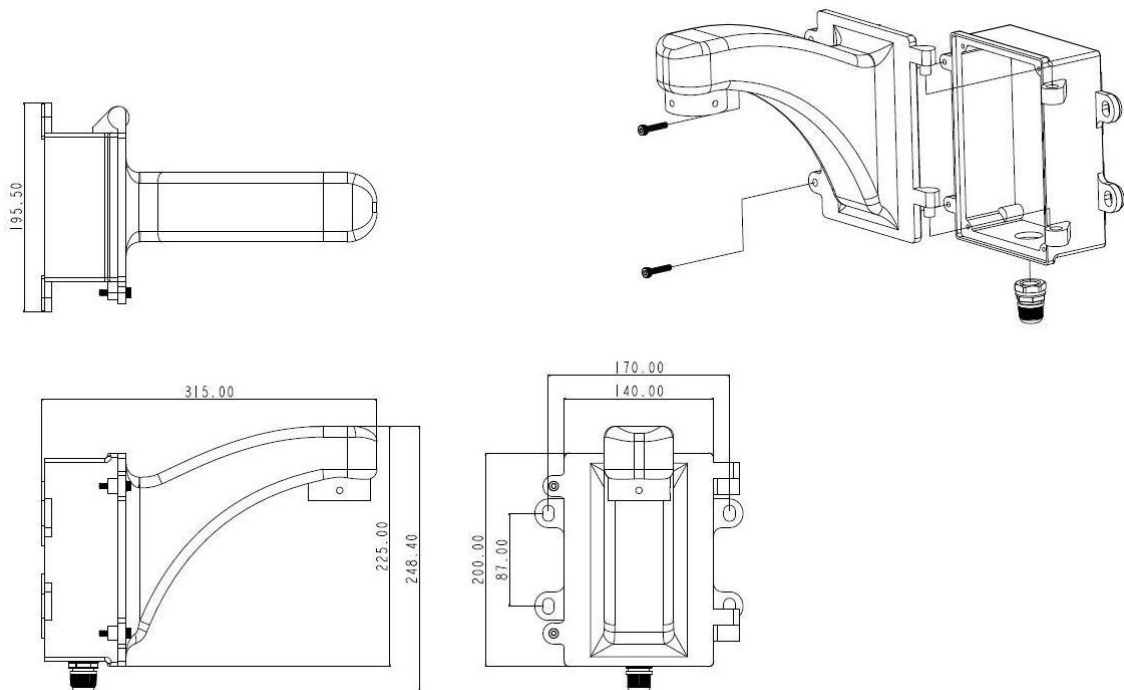
- **GV-Mount101**



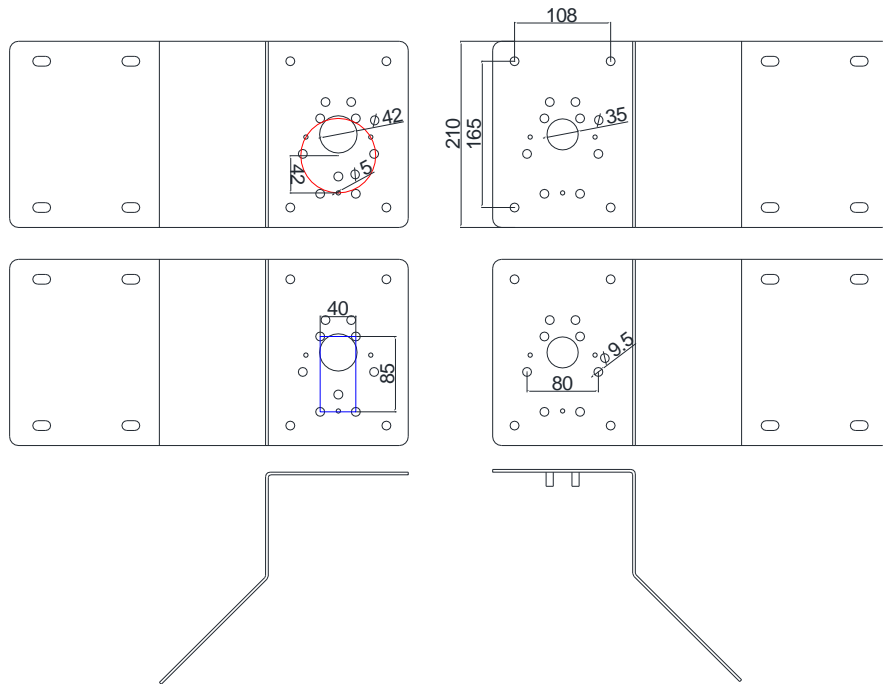
- **GV-Mount200**



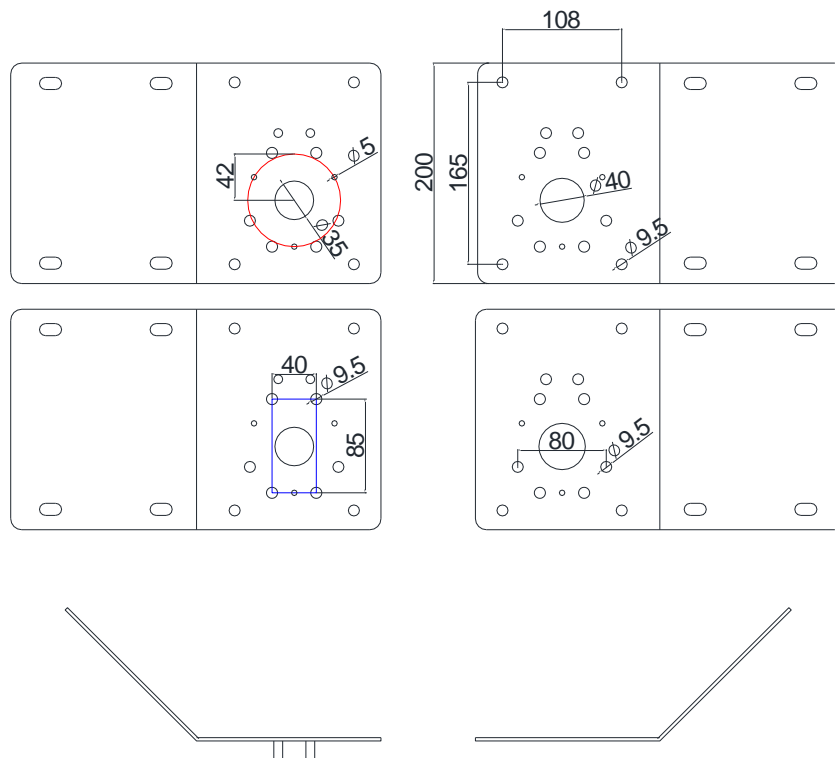
- **GV-Mount203**



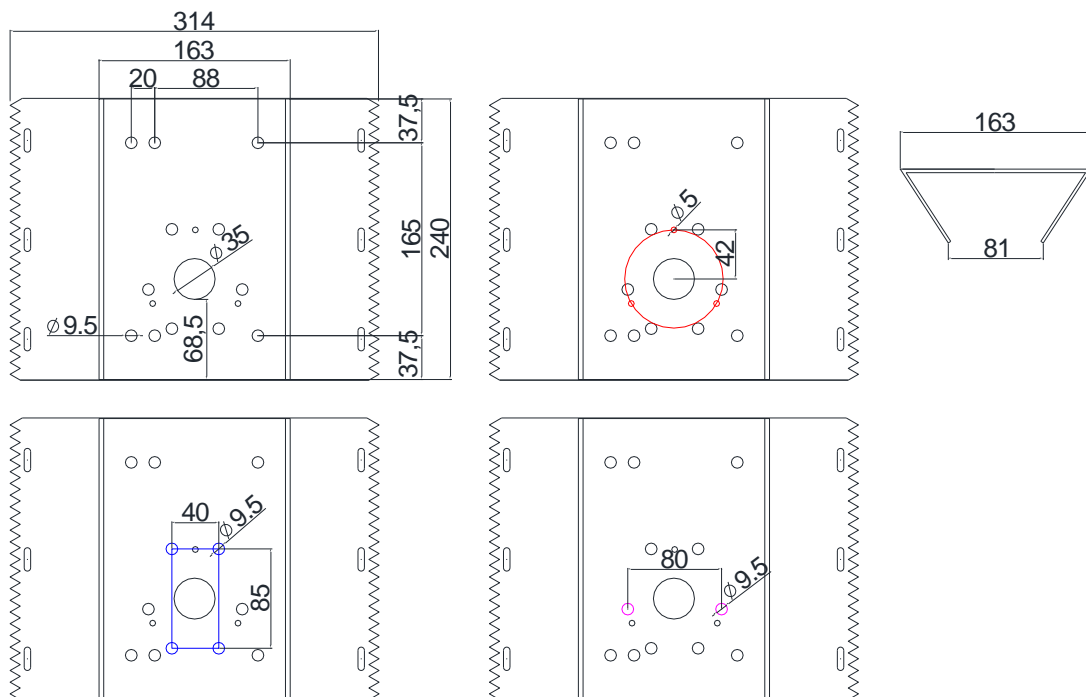
- **GV-Mount300**



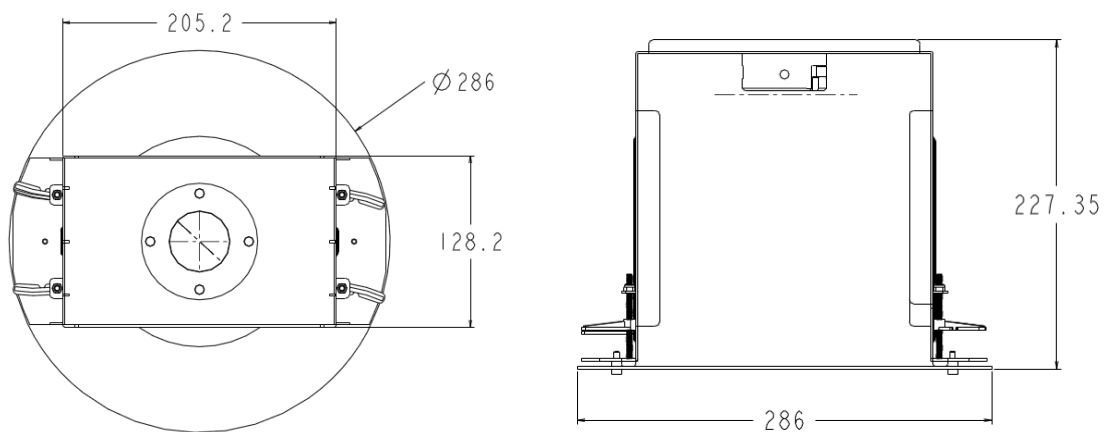
- **GV-Mount310**



- GV-Mount400/Mount410**



- GV-Mount908**



## 1.3 Packing Lists

- **GV-Mount100**

1. Junction Box



2. Box Cover



3. Tube



4. Tube Connector



5. M5 Flat Screw x 4



6. Corrugated Tube Connector

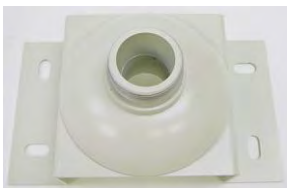


7. No. 2 Torx Wrench



- **GV-Mount101**

1. Mounting Bracket



2. Tube



3. Tube Connector



4. No. 2 Torx Wrench



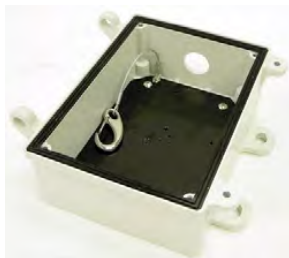
- **GV-Mount200**

1. Wall Pendant Tube



- **GV-Mount203**

1. Junction Box



2. Wall Pendant Tube



3. M5 Screw x 2



4. Corrugated Tube Connector



5. No.5 Torx Wrench



- **GV-Mount300**

1. Mounting Plate x 2



2. M8 Screw (30 mm) x 4



3. M8 Screw (25 mm) x 4



4. M8 Plain Washer x 6



5. M8 Split Washer x 6



6. M8 Screw Cap x 6



7. M5 Screw (20 mm) x 3



8. M5 Plain Washer x 3



9. M5 Split Washer x 3

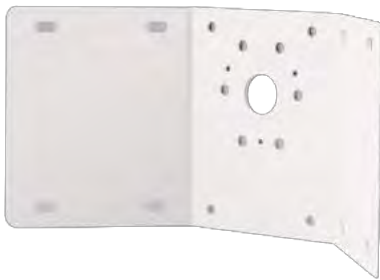


10. M5 Screw Cap x 3



- GV-Mount310**

1. Mounting Plate x 2



2. M8 Screw (30 mm) x 4



3. M8 Plain Washer x 6



4. M8 Split Washer x 6



5. M8 Screw Cap x 6



6. M5 Screw (20 mm) x 3



7. M5 Plain Washer x 3



8. M5 Split Washer x 3



9. M5 Screw Cap x 3



- GV-Mount400**

1. Mounting Bracket



2. Stainless Steel Strap (Ø 4" ~ 6") x 3





3. M8 Screw (30 mm) x 4



5. Plain Washer x 4



7. M8 Screw Cap x 4



9. M5 Plain Washer x 3



11. M5 Screw Cap x 3



4. M8 Screw (25 mm) x 4



6. Split Washer x 4



8. M5 Screw (20 mm) x 3



10. M5 Split Washer x 3



### • GV-Mount410

1. Mounting Bracket



2. Stainless Steel Strap (Ø 6" ~ 7.5") x 3



3. M8 Screw (30 mm) x 4



5. Plain Washer x 4



7. M8 Screw Cap x 4



9. M5 Plain Washer x 3



11. M5 Screw Cap x 3



4. M8 Screw (25 mm) x 4



6. Split Washer x 4



8. M5 Screw (20 mm) x 3



10. M5 Split Washer x 3



- **GV-Mount702**

1. Extension Tube



2. Extension Tube Connector



- **GV-Mount900 for GV-VD Series**

1. Wall Mount Bracket



2. Screw Anchor x 2



3. Wall Mount Screw x 2



4. M5 Screw (10 mm) x 6



- **GV-Mount900 for GV-FD Series, GV-MFD Series and GV-MDR Series**

1. Wall Mount Bracket



2. Screw Anchor x 2



3. Wall Mount Screw x 2



4. M3 Screw (8 mm) x 4



- **GV-Mount901 for Vandal Proof IP Dome**

1. Dome Housing



2. Housing Cap



3. M4 Screw x 4



4. M6 Screw x 7



- **GV-Mount902 for Fixed IP Dome**

1. Dome Housing



2. Housing Cap



3. M4 Screw x 4



4. M6 Screw x 7



5. Left and Right Rack



6. Housing Plate



7. Small Screw x 3



- **GV-Mount903 for Fisheye Camera**

1. Dome Housing



2. Housing Cap



3. M4 Screw x 4



4. M6 Screw x 7



- **GV-Mount904**

1. Back Cover



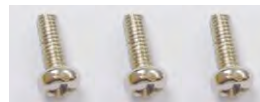
2. Back Plate



3. Tilting Rack



4. Long Screw x 3



5. Short Screw x 9



6. Installation Sticker

- **GV-Mount907**

1. Support Rack x 3



2. Mounting Ring



3. Screw x 9



4. Thread Lock, Screw, Washer



5. Mounting Plate x 1



6. Hex Key



7. Lock Plate and Screw



8. Installation Sticker

9. In-Ceiling Cover



- **GV-Mount908**

1. Housing Cap x 1



2. Mounting Plate x 1



3. Screw x 4



4. M6 Screw x 4



5. Hex key x 1



6. Installation Sticker x 1

7. In-ceiling cover x 1



8. M4 Screw x 2



- **GV-Mount909 for Vandal IP Dome**

1. Wall Bracket x 1



2. Screw Anchor x 4



3. Wall Mount Screw x 4



4. M5 Screw (10 mm) x 6



- **GV-Mount909 for Fixed IP Dome, Mini Fixed Dome, Mini Fixed Rugged Dome**

1. Wall Bracket x 1



2. Screw Anchor x 4



3. Wall Mount Screw x 4



4. M3 Screw (8 mm) x 4



- **GV-Mount910**

1. Mounting Plate x 1



2. M3 Screw (8 mm) x 4



- **GV-Mount912**

1. Mounting Plate x 1



2. M3 Screw (8 mm) x 4



- **GV-Mount913**

1. Mounting Plate x 1



2. M3 Screw (8 mm) x 4





## 2. Installing the Vandal Proof IP Dome

### 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.



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 Installing the Vandal Proof IP Dome

### 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", ø 26.0 ~ 26.5 mm)



#### Optionally extend with:

- GV-Mount702
-

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



3. Thread the camera cable through the tube and secure the tube to the end of the housing cap (GV-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).



## 2 Installing the Vandal Proof IP Dome

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

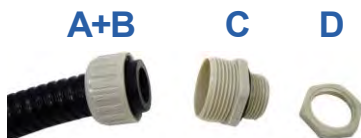


6. Assemble the corrugated tube connector (GV-Mount100, No. 6) with the self-prepared corrugated tube.

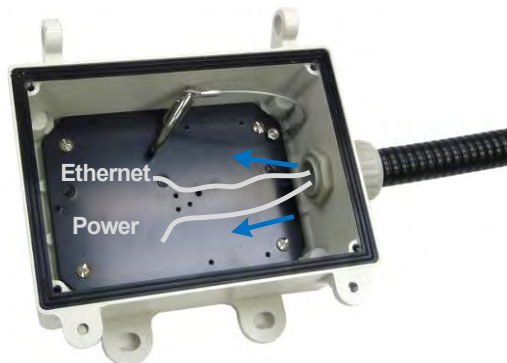
- A. Dismantle the supplied corrugated tube connector. You should have 4 parts.



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

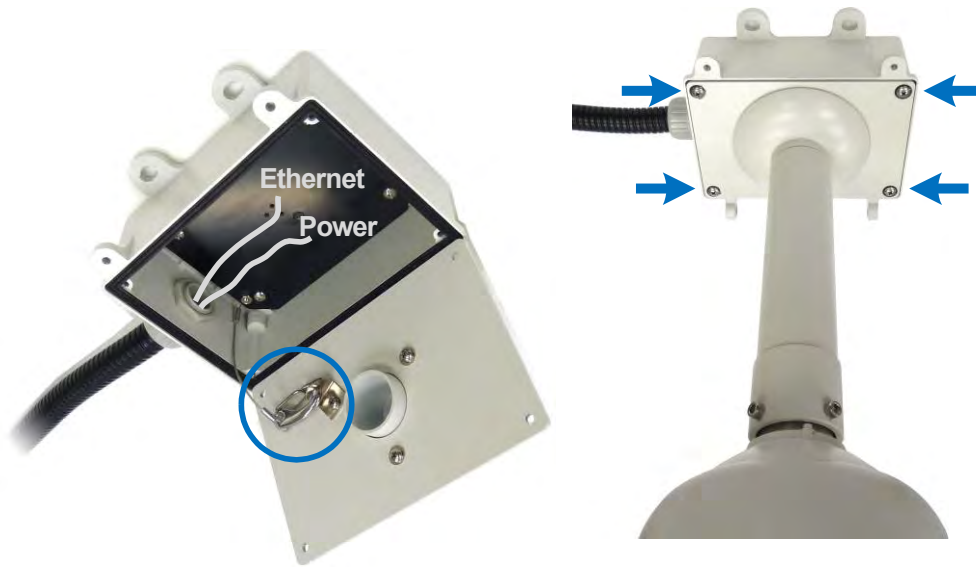


- C. Screw part C to the tube.
- D. Thread the necessary wires and cables from the ceiling through the corrugated tube, plug the tube to the junction box and secure with part D.



7. Connect the network, power and other cables to the camera. See *10.5 Connecting the Camera, GV-IPCam H.264 User's Manual* on the software CD.

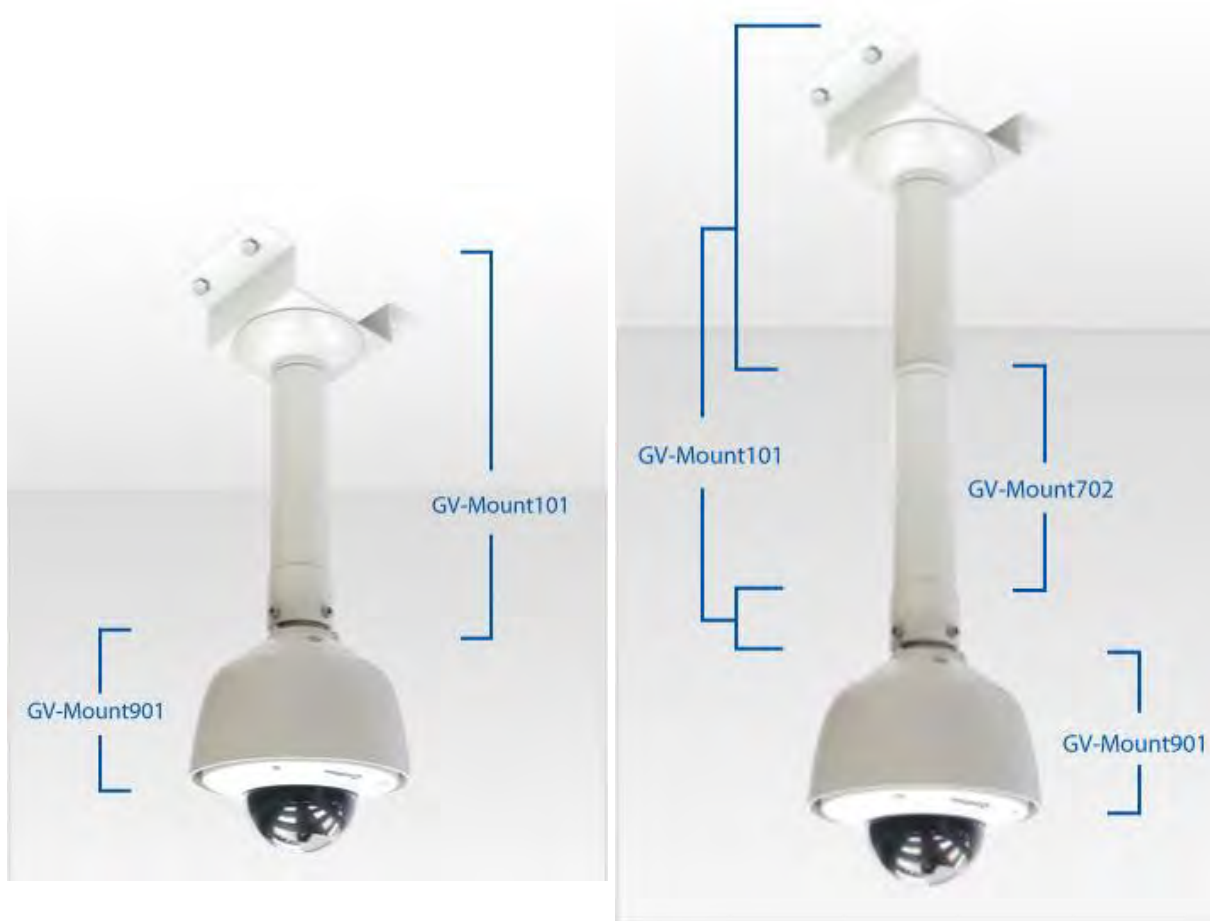
8. Hook the box cover and secure it with M5 flat screws (GV-Mount100, No. 5).



9. Refer to the indicated sections of the **GV-IPCam H.264 User's Manual on the software CD** to:
- A. Access live view. See *14.1 Accessing the Live View*.
  - B. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *10.4.1 Hard-Ceiling Mount*.
  - C. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *10.4.1 Hard-Ceiling Mount*.

## 2 Installing the Vandal Proof IP Dome

### 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
-



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 **GV-IPCam H.264 User's Manual on the software CD** to:
  - A. Connect the network, power and other cables to the camera. See *10.5 Connecting the Camera*.
  - B. Access live view. See *14.1 Accessing the Live View*.
  - C. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *10.4.1 Hard-Ceiling Mount*.
  - D. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *10.4.1 Hard-Ceiling Mount*.

## 2.4 L-Shaped Wall Mount

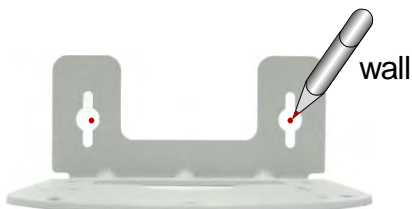



---

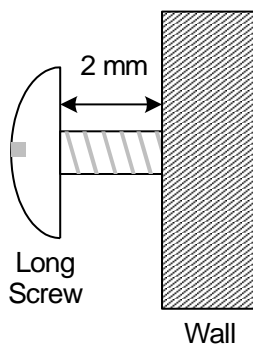
### Required accessories:

- GV-Mount900
- 

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

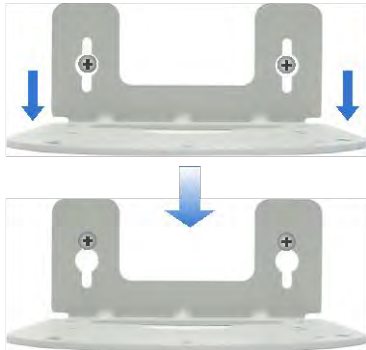


2. Drill the marks and insert 2 screw anchors (GV-Mount900, No. 2).
3. Insert the ceiling screws (GV-Mount900, No. 3) and leave enough distance (approximately 2 mm) to hang the wall mount bracket later.



## 2 Installing the Vandal Proof IP Dome

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



5. Unpack the camera body.

A.



B.



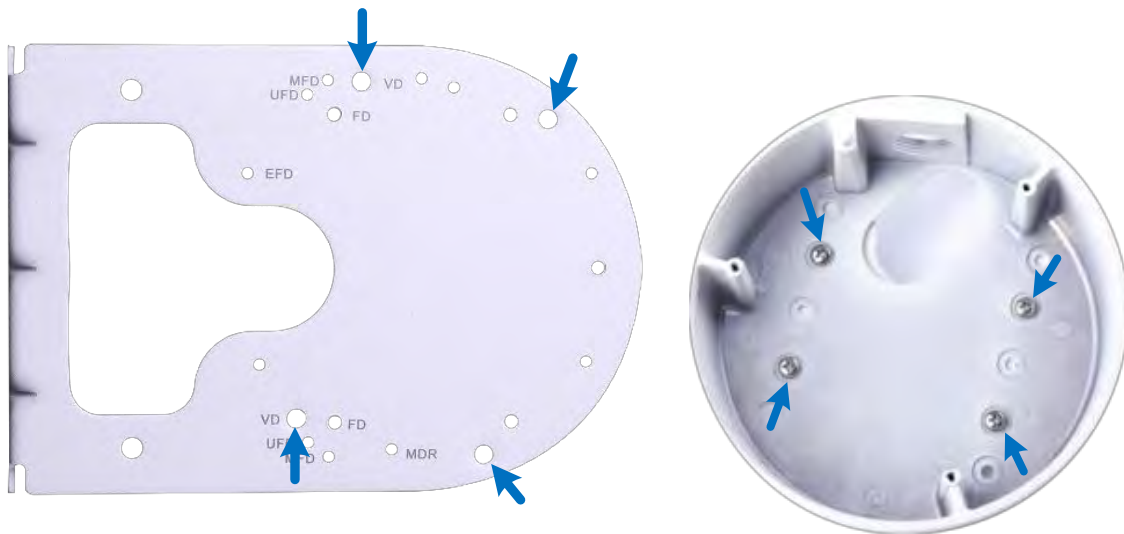
C.



D.



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



7. 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.



8. Refer to the indicated sections of the **GV-IPCam H.264 User's Manual on the software CD** to:
  - A. Connect the network, power and other cables to the camera. See *10.5 Connecting the Camera*.
  - B. Access live view. See *14.1 Accessing the Live View*.
  - C. Adjust the angle, focus and zoom. See steps 9 and 10 in *10.4.1 Hard-Ceiling Mount*.
  - D. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *10.4.1 Hard-Ceiling Mount*.

## 2 Installing the Vandal Proof IP Dome

### 2.5 Wall Box Mount



---

**Required accessories:**

- GV-Mount909
- 

---

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

---

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



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

4. Unpack the camera body.

A.



B.



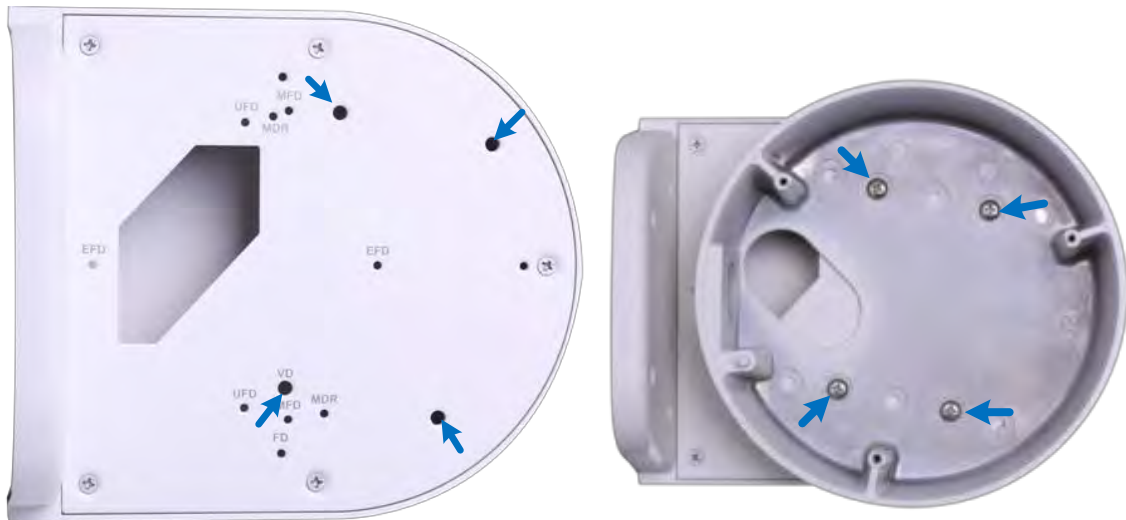
C.



D.



5. Align and secure the back cover to the wall mount bracket with four M5 screws (GV-Mount909, No. 4).



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 **GV-IPCam H.264 User's Manual on the software CD** to:

- A. Access live view. See *14.1 Accessing the Live View*.
- B. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *10.4.1 Hard-Ceiling Mount*.

- C. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *10.4.1 Hard-Ceiling Mount*.

## 2.6 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 **GV-IPCam H.264 User's Manual** on the software CD to:
  - A. Access live view. See *14.1 Accessing the Live View*.
  - B. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *10.4.1 Hard-Ceiling Mount*.
  - C. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *10.4.1 Hard-Ceiling Mount*.

## 2.7 Convex Corner Mount with Pendant Tube



---

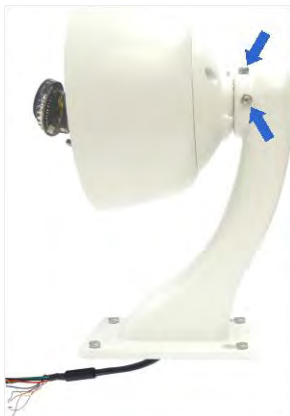
**Required accessories:**

- 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).



**2 Installing the Vandal Proof IP Dome**

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 **GV-IPCam H.264 User's Manual on the software CD** to:
  - A. Connect the network, power and other cables to the camera. See *10.5 Connecting the Camera*.
  - B. Access the live view. See *14.1 Accessing the Live View*.
  - C. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *10.4.1 Hard-Ceiling Mount*.
  - D. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *10.4.1 Hard-Ceiling Mount*.

## 2.8 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).



## 2 Installing the Vandal Proof IP Dome

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. 4).



- 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-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 **GV-IPCam H.264 User's Manual on the software CD** to:
  - A. Connect the network, power and other cables to the camera. See *10.5 Connecting the Camera*.
  - B. Access the live view. See *14.1 Accessing the Live View*.
  - C. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *10.4.1 Hard-Ceiling Mount*.

- D. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *10.4.1 Hard-Ceiling Mount*.

---

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

---

## 2.9 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)



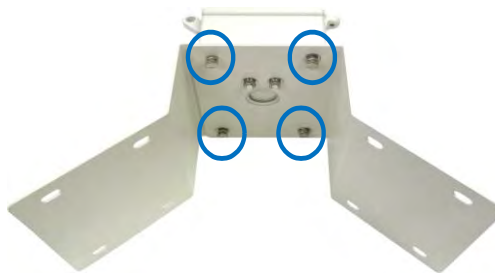


**2 Installing the Vandal Proof IP Dome**

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.

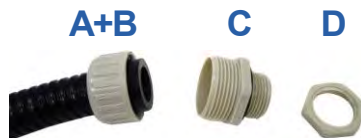


5. Assemble the corrugated tube connector (GV-Mount203, No. 4) with the self-prepared corrugated tube.

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

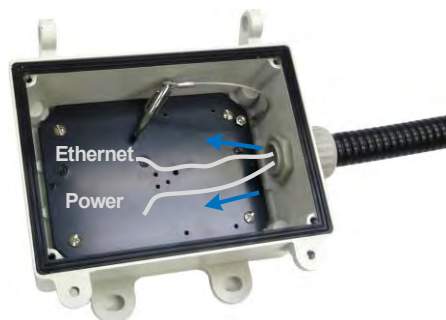


B. Slide part A and part B to the self-prepared corrugated tube.

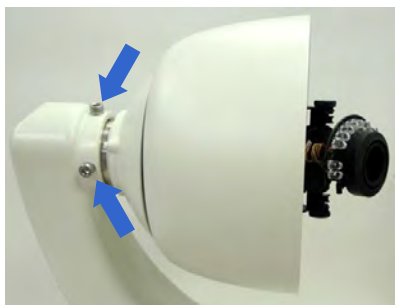


C. Screw part C to the tube.

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

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



10. Connect the network, power and other cables to the camera. See *10.5 Connecting the Camera, GV-IPCam H.264 User's Manual* on the software CD.
11. Conceal the junction box with M5 screws (GV-Mount203, No. 3) using the torx wrench (GV-Mount203, No. 5).
12. Refer to the indicated sections of the **GV-IPCam H.264 User's Manual on the software CD** to:
- A. Access the live view. See *14.1 Accessing the Live View*.
  - B. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *10.4.1 Hard-Ceiling Mount*.
  - C. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *10.4.1 Hard-Ceiling Mount*.

## 2.10 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. 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

**2 Installing the Vandal Proof IP Dome**

washer (GV-Mount310, No. 3), split washer, (GV-Mount310, No. 4) and M8 screw cap (GV-Mount310, No. 5).

**Front View****Back View**

3. Secure the plates to the wall with 8 self-prepared screws.
4. Refer to the indicated sections of the **GV-IPCam H.264 User's Manual on the software CD** to:
  - A. Connect the network, power and other cables to the camera. See *10.5 Connecting the Camera*.
  - B. Access the live view. See *14.1 Accessing the Live View*.
  - C. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *10.4.1 Hard-Ceiling Mount*.
  - D. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *10.4.1 Hard-Ceiling Mount*.

## 2.11 Concave Corner Mount with Wall Bracket



---

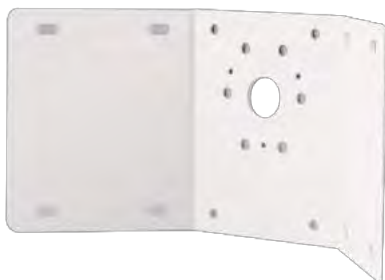
**Required accessories:**

- 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).



## 2 Installing the Vandal Proof IP Dome

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 for GV-VD Series, No. 4).





- 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.
- Thread the camera cable through 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**

- Secure the plates to the wall with 8 self-prepared screws.
- Refer to the indicated sections of the **GV-IPCam H.264 User's Manual on the software CD** to:
  - Connect the network, power and other cables to the camera. See *10.5 Connecting the Camera*.
  - Access the live view. See *14.1 Accessing the Live View*.
  - Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *10.4.1 Hard-Ceiling Mount*.
  - Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *10.4.1 Hard-Ceiling Mount*.

---

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

---



**2 Installing the Vandal Proof IP Dome****2.12 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).



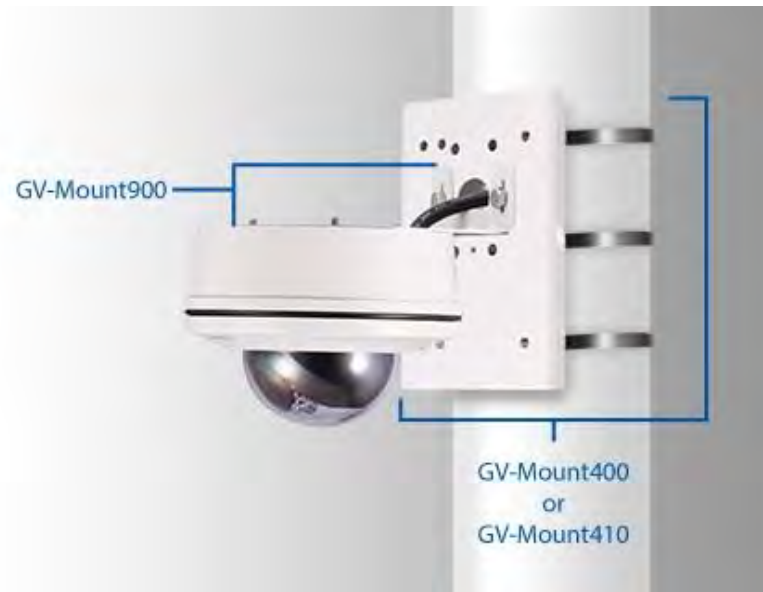
6. Thread the camera cable through the mounting bracket and secure the pendant tube to the mounting bracket. Slide the 30 mm M8 screws (GV-Mount400 / GV-Mount410, No. 3) from the front and secure from the backside using plain washer (GV-Mount400 / GV-Mount410, No. 5), split washer (GV-Mount400 / GV-Mount410,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



**Backside View**

7. Refer to the indicated sections of the **GV-IPCam H.264 User's Manual** on the software CD to:
  - A. Connect the network, power and other cables to the camera. See *10.5 Connecting the Camera*.
  - B. Access the live view. See *14.1 Accessing the Live View*.
  - C. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *10.4.1 Hard-Ceiling Mount*.
  - D. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *10.4.1 Hard-Ceiling Mount*.

## 2.13 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).

A. Unpack the camera body.

A-1



A-2



A-3 Unscrew



A-4



- B. Secure the back cover to the wall mount bracket with M5 screws (GV-Mount900, No. 4).



- 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. 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 Installing the Vandal Proof IP Dome

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.



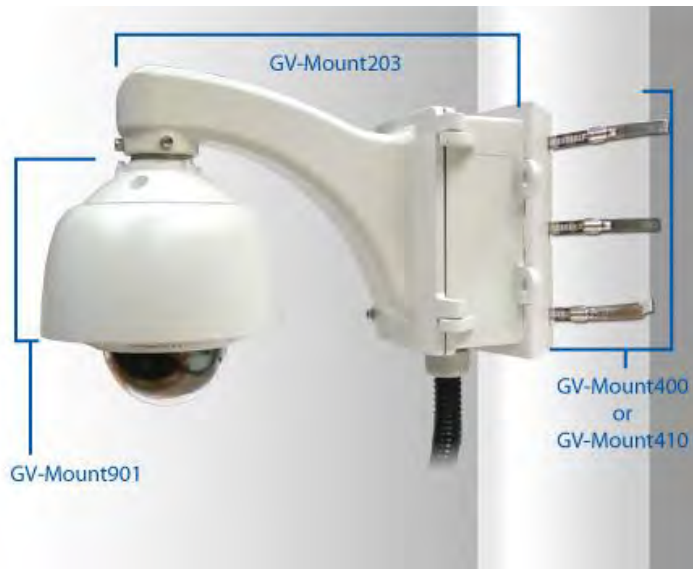
4. Refer to the indicated sections of the **GV-IPCam H.264 User's Manual on the software CD** to:
  - A. Connect the network, power and other cables to the camera. See *10.5 Connecting the Camera*.
  - B. Access the live view. See *14.1 Accessing the Live View*.
  - C. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *10.4.1 Hard-Ceiling Mount*.
  - D. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *10.4.1 Hard-Ceiling Mount*.

---

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

---

## 2.14 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", ø 26.0 ~ 26.5 mm)



1. Assemble the camera with the dome housing. See *2.1 Assembling the Vandal Proof IP Dome with the Dome Housing*.
2. Assemble the mounting bracket (GV-Mount400 / 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

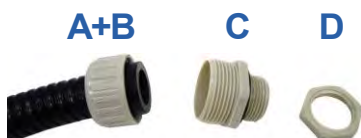
3. Secure the mounting bracket to the pole using 3 steel straps (GV-Mount400 / GV-Mount410, No. 2). Rotate the screw on the strap to adjust its size. Face the conduit exit downward.



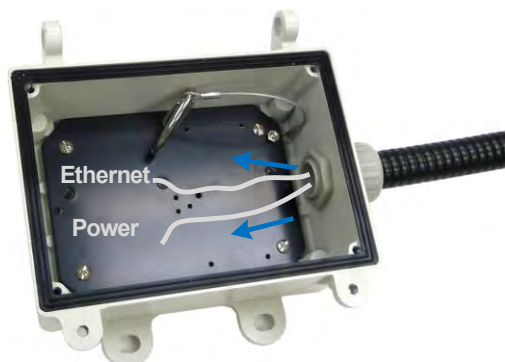
4. Assemble the corrugated tube connector (GV-Mount203, No. 4) with the self-prepared corrugated tube.
  - A. Dismantle the supplied corrugated tube connector. You should have 4 parts.



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

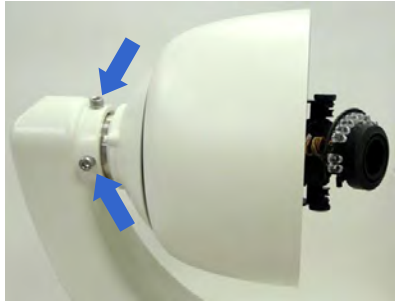


- C. Screw part C to the tube.
  - D. Thread the necessary wires and cables through the corrugated tube, plug the tube to the junction box and secure with part D.





5. Thread the camera cable through the pendant tube (GV-Mount203, No. 2) and secure the tube to the end of the housing cap (GV-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 *10.5 Connecting the Camera, GV-IPCam H.264 User's Manual* on the software CD.
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 **GV-IPCam H.264 User's Manual on the software CD** to:
  - A. Access the live view. See *14.1 Accessing the Live View*.
  - B. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *10.4.1 Hard-Ceiling Mount*.
  - C. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *10.4.1 Hard-Ceiling Mount*.



## 3. Installing the Fixed IP Dome

### 3.1 Basic Installation

#### 3.1.1 Assembling the Fixed IP Dome with the Dome Housing



---

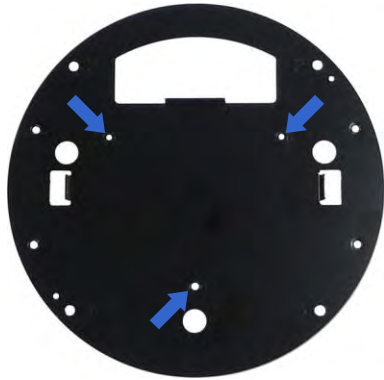
**Required accessories:**

- GV-Mount902
- 

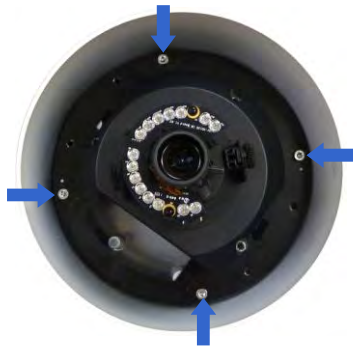
1. Unpack the camera package and remove the camera body.



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).



### 3 Installing the Fixed IP Dome

#### 3.1.2 Putting on the Housing Cover

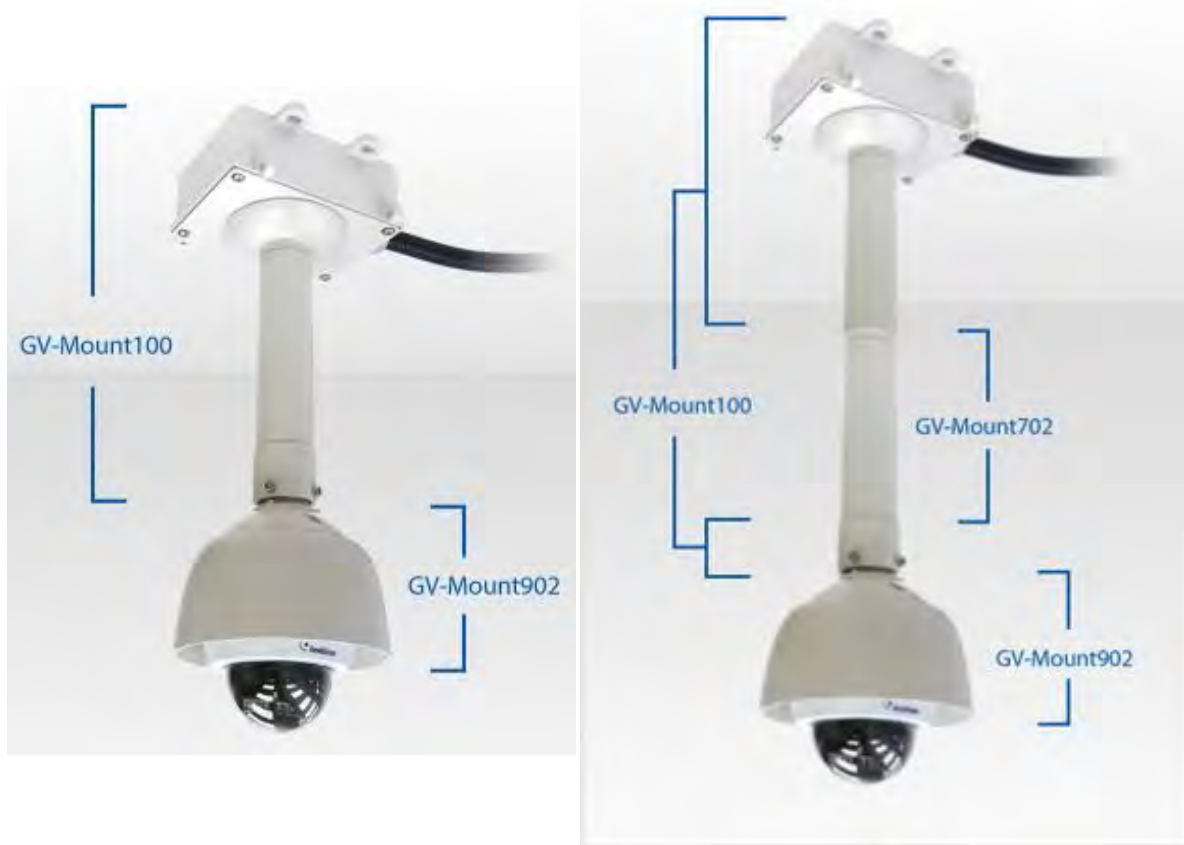
1. Secure the right and left rack (GV-Mount902, No. 5) to the housing cover.



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



## 3.2 Straight Tube Box Mount




---

### Required accessories:

- GV-Mount100
- GV-Mount902

### The user needs to prepare:

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



### Optionally extend with:

- GV-Mount702
-

### 3 Installing the Fixed IP Dome

1. Assemble the camera with the dome housing. See *3.1.1 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.

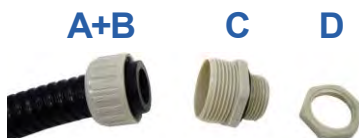


3. Assemble the corrugated tube connector (GV-Mount100, No. 6) with the self-prepared corrugated tube.

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

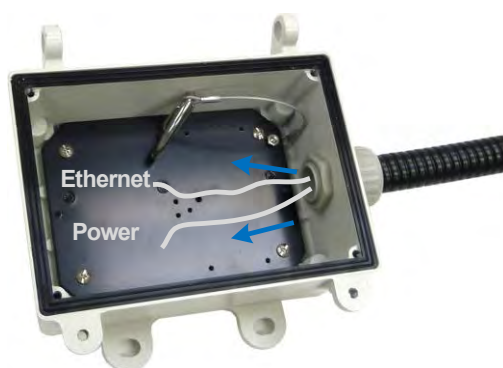


B. Slide part A and part B to the self-prepared corrugated tube.

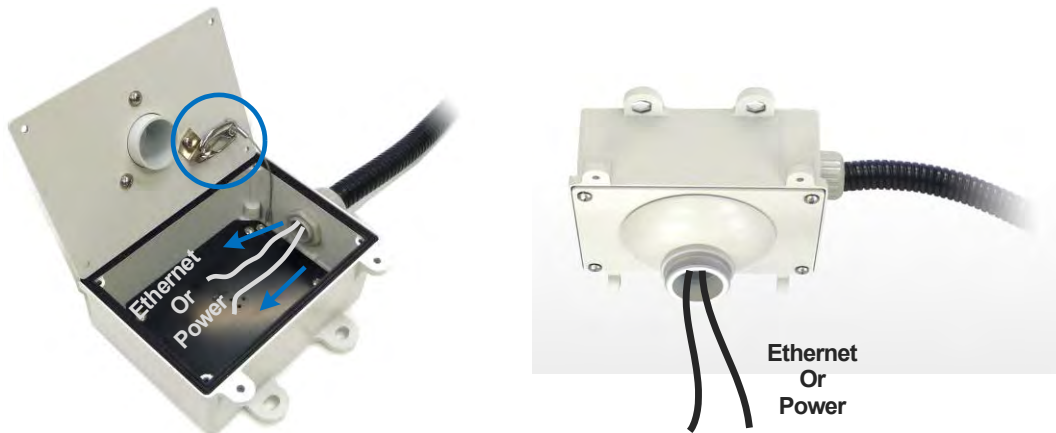


C. Screw part C to the tube.

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



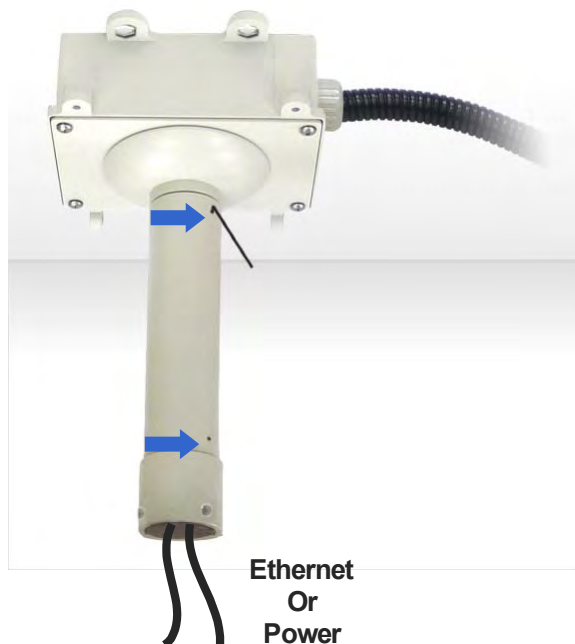
4. Thread the wires and cables through the box cover (GV-Mount100, No. 2), hook the box cover and secure it with M5 flat screws (GV-Mount100, No. 5).



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

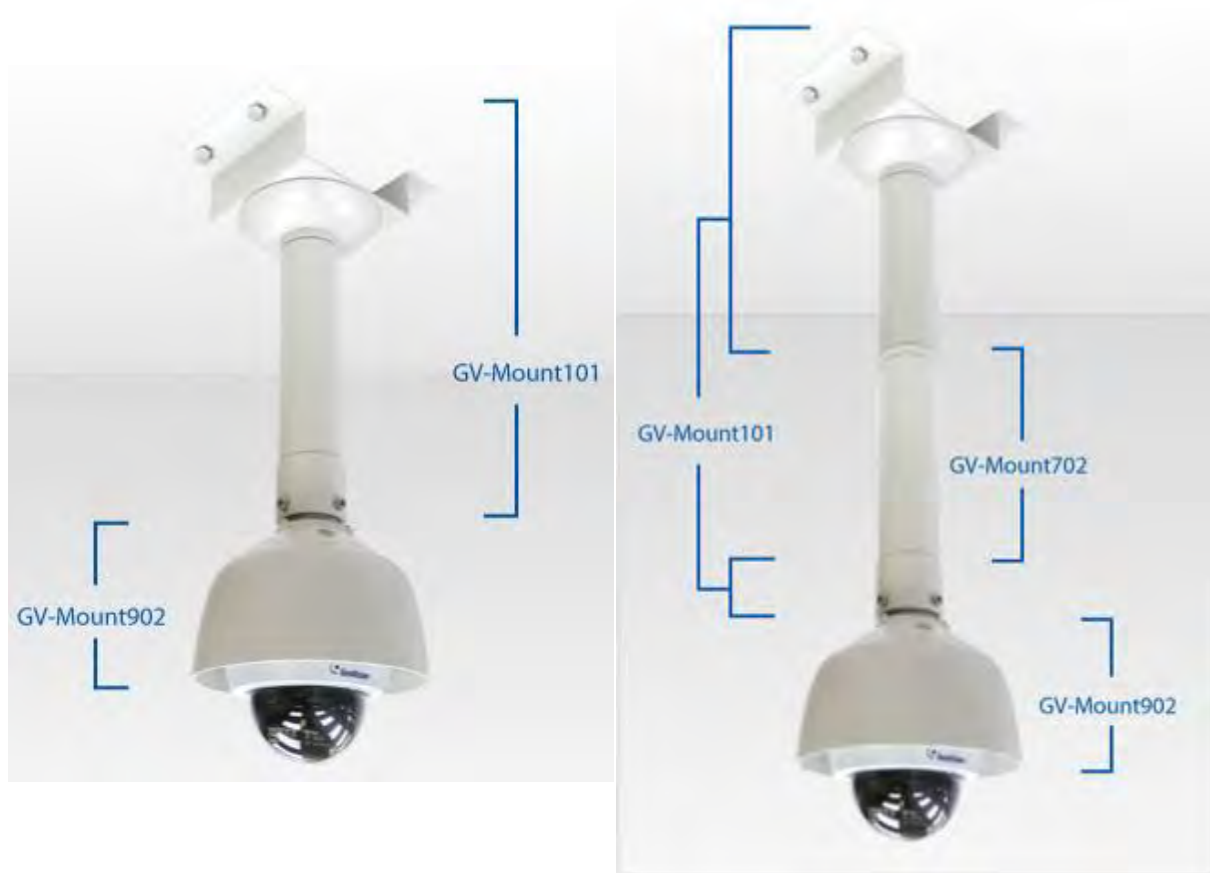


6. Thread the wires and cables through the tube, assemble the tube to the box cover and tighten the torxes with the supplied torx wrench (GV-Mount100, No. 7).



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. Connect the network, power and other cables to the camera. See *11.5 Connecting the Camera, GV-IPCam H.264 User's Manual* on the software CD.
9. Adjust the angle, focus and zoom of the camera. See steps 6 and 7 in *11.4.1 Hard-Ceiling Mount, GV-IPCam H.264 User's Manual* on the software CD:
10. Put on the housing cover. See *3.1.2 Putting on the Housing Cover*.

### 3.3 Straight Tube Mount



---

**Required accessories:**

- GV-Mount101
- GV-Mount902

**The user needs to prepare:**

- Screws for ceiling x 4

**Optionally extend with:**

- GV-Mount702
-



**3 Installing the Fixed IP Dome**

1. Assemble the camera with the dome housing. See *3.1.1 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 *11.5 Connecting the Camera, GV-IPCam H.264 User's Manual* on the software CD.

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 **GV-IPCam H.264 User's Manual on the software CD** to:
  - A. Access the live view. See *14.1 Accessing the Live View*.
  - B. Follow steps 6 and 7 in *11.4.1 Hard-Ceiling Mount* to adjust the angle, focus and zoom of the camera.
8. Put on the housing cover. See *3.1.2 Putting on the Housing Cover*.

## 3.4 L-Shaped Wall Mount



---

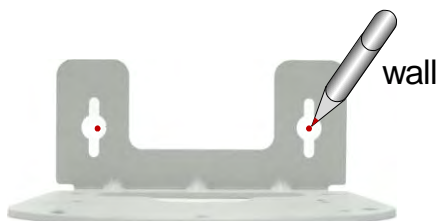
### Required accessories:

- GV-Mount900
- 

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

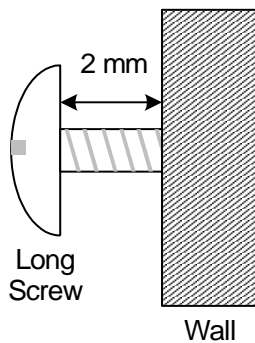


2. Take the wall mount bracket (GV-Mount900, No. 1) and make 2 marks on the wall for screw anchors.

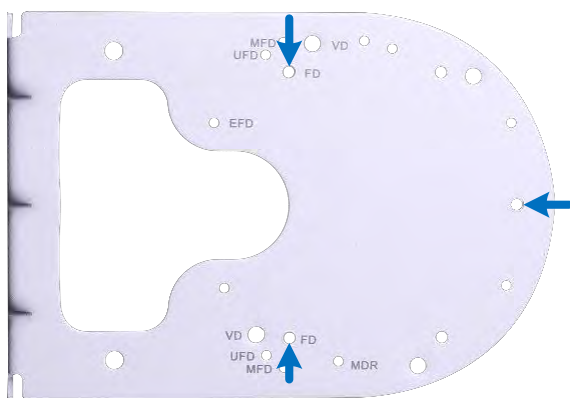


3. Drill the marks and insert 2 screw anchors (GV-Mount900, No. 2).

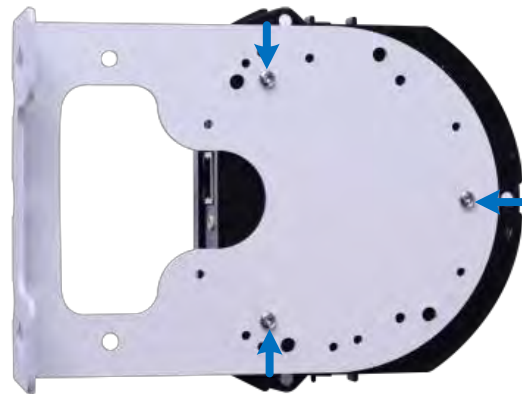
4. Insert the wall mount screws (GV-Mount900, No. 3) and leave enough distance (approximately 2 mm) to hang the wall mount bracket later.



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



**Side A**



**Side B**

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 **GV-IPCam H.264 User's Manual on the software CD** to:
  - A. Connect the network, power and other cables to the camera. See *11.5 Connecting the Camera*.
  - B. Access the live view. See *14.1 Accessing the Live View*.
  - C. Adjust the angle, focus and zoom, and secure the housing cover. See steps 6 to 8 in *11.4.1 Hard-Ceiling Mount*.

## 3.5 Wall Box Mount



---

**Required accessories:**

- GV-Mount909
- 

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



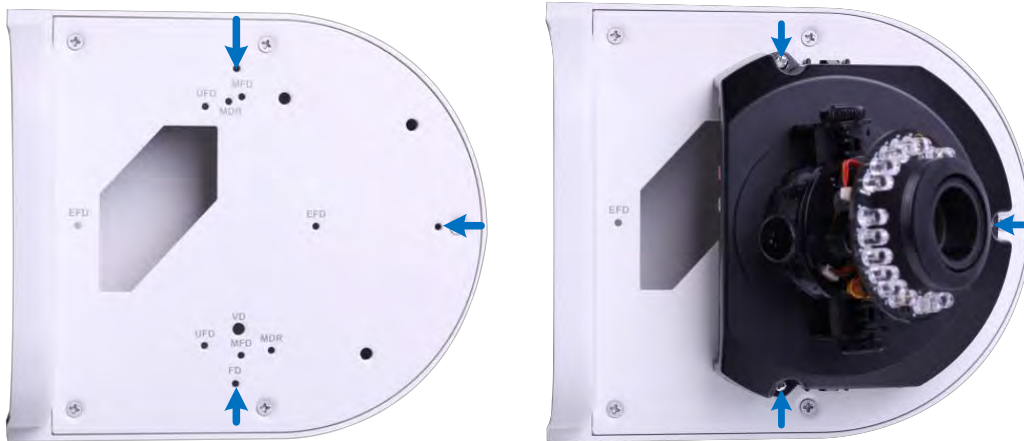
2. Drill the marks and insert screw anchors (GV-Mount909, No. 2).
3. Secure the wall mount bracket to the wall with wall mount screws (GV-Mount909, No. 3).

### 3 Installing the Fixed IP Dome

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 **GV-IPCam H.264 User's Manual** on the software CD to:
  - A. Connect the network, power and other cables to the camera. See *11.5 Connecting the Camera*.
  - B. Access the live view. See *14.1 Accessing the Live View*.
  - C. Adjust the angle, focus and zoom, and secure the housing cover. See steps 6 to 8 in *11.4.1 Hard-Ceiling Mount*.

## 3.6 Wall Pendant Mount



---

**Required accessories:**

- GV-Mount200
- GV-Mount902

**The user needs to prepare:**

- Screws for wall x 4
- 

1. Assemble the camera with the dome housing. See *3.1.1 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 Installing the Fixed IP Dome

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 **GV-IPCam H.264 User's Manual on the software CD** to:
  - A. Connect the network, power and other cables to the camera. See *11.5 Connecting the Camera*.
  - B. Access the live view. See *14.1 Accessing the Live View*.
  - C. Adjust the angle, focus and zoom. See steps 6 and 7 in *11.4.1 Hard-Ceiling Mount*.
5. Put on the housing cover. See *3.1.2 Putting on the Housing Cover*.

## 3.7 Convex Corner Mount



---

**Required accessories:**

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

**The user needs to prepare:**

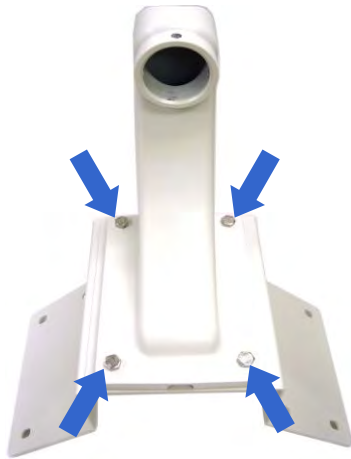
- Screws for wall x 8
- 

1. Assemble the camera with the dome housing. See *3.1.1 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 Installing the Fixed IP Dome**

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 *11.5 Connecting the Camera, GV-IPCam H.264 User's Manual* on the software CD.
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 **GV-IPCam H.264 User's Manual on the software CD** to:
  - A. Access the live view. See *14.1 Accessing the Live View*.
  - B. Adjust the angle, focus and zoom. See steps 6 and 7 in *11.4.1 Hard-Ceiling Mount*.
8. Put on the housing cover. See *3.1.2 Putting on the Housing Cover*.

## 3.8 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", ø 26.0 ~ 26.5 mm)

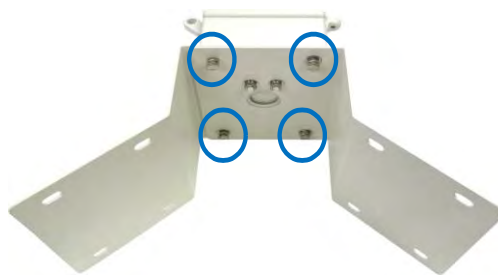


### 3 Installing the Fixed IP Dome

1. Assemble the camera with the dome housing. See *3.1.1 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).



**Back View**

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

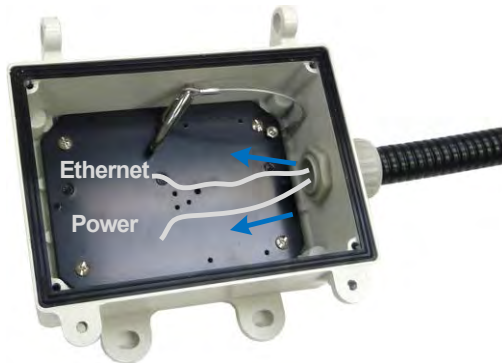


- B. Slide part A and part B to the self-prepared corrugated tube.



- C. Screw part C to the tube.

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



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



7. Thread the wires and cables through the pendant tube into the dome housing and connect them to the camera. See *11.5 Connecting the Camera, GV-IPCam H.264 User's Manual* on the software CD.
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 **GV-IPCam H.264 User's Manual** on the software **CD** to:
  - A. Access the live view. See *14.1 Accessing the Live View*.
  - B. Adjust the angle, focus and zoom. See steps 6 and 7 in *11.4.1 Hard-Ceiling Mount*.
11. Put on the housing cover. See *3.1.2 Putting on the Housing Cover*.

## 3.9 Concave Corner Mount



---

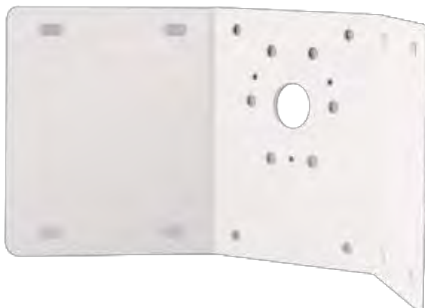
**Required accessories:**

- 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 *3.1.1 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.





**3 Installing the Fixed IP Dome**

3. 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**

4. Thread the necessary wires and cables through the pendant tube and secure the plate to the wall with 8 self-prepared screws.
5. Connect the network, power and other cables to the camera. See *11.5 Connecting the Camera, GV-IPCam H.264 User's Manual* on the software CD.
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 **GV-IPCam H.264 User's Manual on the software CD** to:
  - A. Access the live view. See *14.1 Accessing the Live View*.
  - B. Adjust the angle, focus and zoom. See steps 6 and 7 in *11.4.1 Hard-Ceiling Mount*.
8. Put on the housing cover. See *3.1.2 Putting on the Housing Cover*.

## 3.10 Pole Mount



---

**Required accessories:**

- GV-Mount200
  - GV-Mount400 or GV-Mount410
  - GV-Mount902\
- 

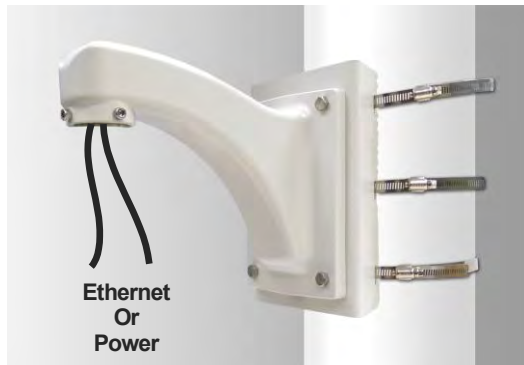
1. Assemble the camera with the dome housing. See 3.1.1 *Assembling the Fixed IP Dome with the Dome Housing*.
2. Secure the pendant tube (GV-Mount200, No. 1) to the mounting bracket (GV-Mount400 / GV-Mount410, No. 1). Slide the 30 mm M8 screws (GV-Mount400 / GV-Mount410, No. 3) from the front and secure 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 Installing the Fixed 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 and connect the network, power and other cables to the camera. See *11.5 Connecting the Camera, GV-IPCam H.264 User's Manual* on the software CD.
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 **GV-IPCam H.264 User's Manual on the software CD** to:
  - A. Access the live view. See *14.1 Accessing the Live View*.
  - B. Adjust the angle, focus and zoom. See steps 6 and 7 in *11.4.1 Hard-Ceiling Mount*.
7. Put on the housing cover. See *3.1.2 Putting on the Housing Cover*.

## 3.11 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", ø 26.0 ~ 26.5 mm)



- 
1. Assemble the camera with the dome housing. See *3.1.1 Assembling the Fixed IP Dome with the Dome Housing*.

### 3 Installing the Fixed IP Dome

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.

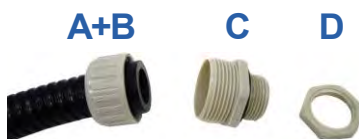


4. Assemble the corrugated tube connector (GV-Mount203, No. 4) with the self-prepared corrugated tube.

- 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.

- 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 *11.5 Connecting the Camera, GV-IPCam H.264 User's Manual* on the software CD.
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 **GV-IPCam H.264 User's Manual on the software CD** to:
  - A. Access the live view. See *14.1 Accessing the Live View*.
  - B. Adjust the angle, focus and zoom. See steps 6 and 7 in *11.4.1 Hard-Ceiling Mount*.
10. Put on the housing cover. See *3.1.2 Putting on the Housing Cover*.

## 3.12 Power Box Mount



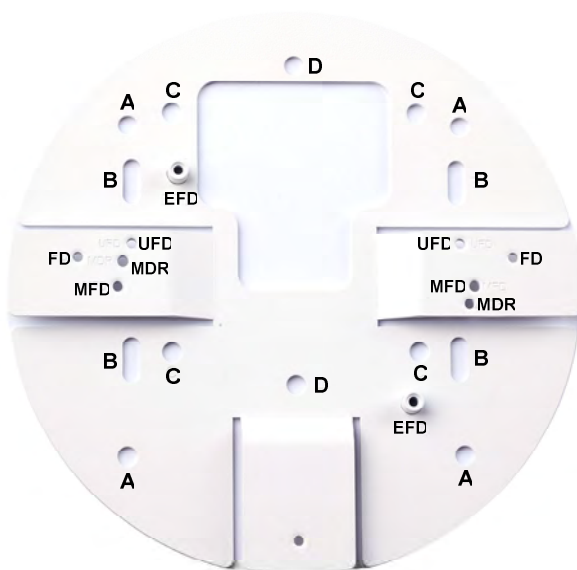
### Required accessories:

- GV-Mount913

### The user needs to prepare

- Screws for securing the mounting plate to power box

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



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



2. Unpack the camera.



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



4. Refer to the indicated sections of the **GV-IPCam H.264 User's Manual** on the software CD to:
  - A. Connect the cables and wires. See *11.5 Connecting the Camera*.
  - B. Access the live view. See *14.1 Accessing the Live View*.
  - C. Adjust the angle, focus and zoom. See steps 6 and 7 in *11.4.1 Hard-Ceiling Mount*.
5. Follow step 2 to put on the camera cover.



## 4. Installing the Fisheye Camera

### 4.1 Assembling the Fisheye Camera with the Dome Housing

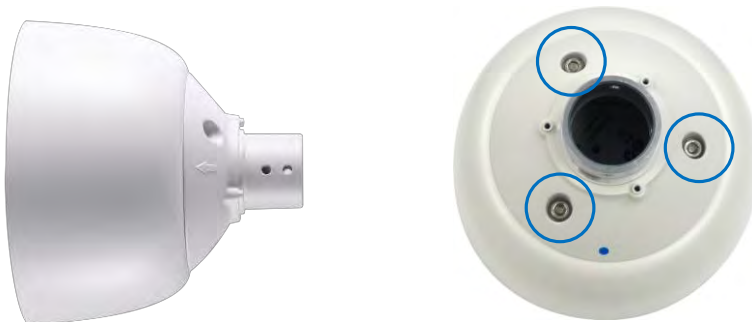


---

**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).

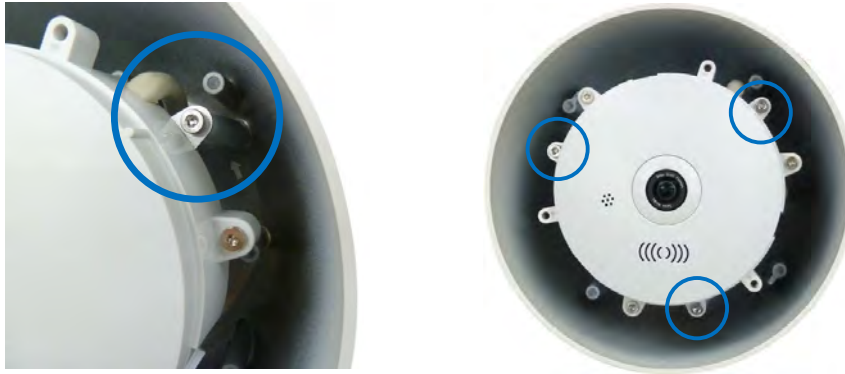


---

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

---

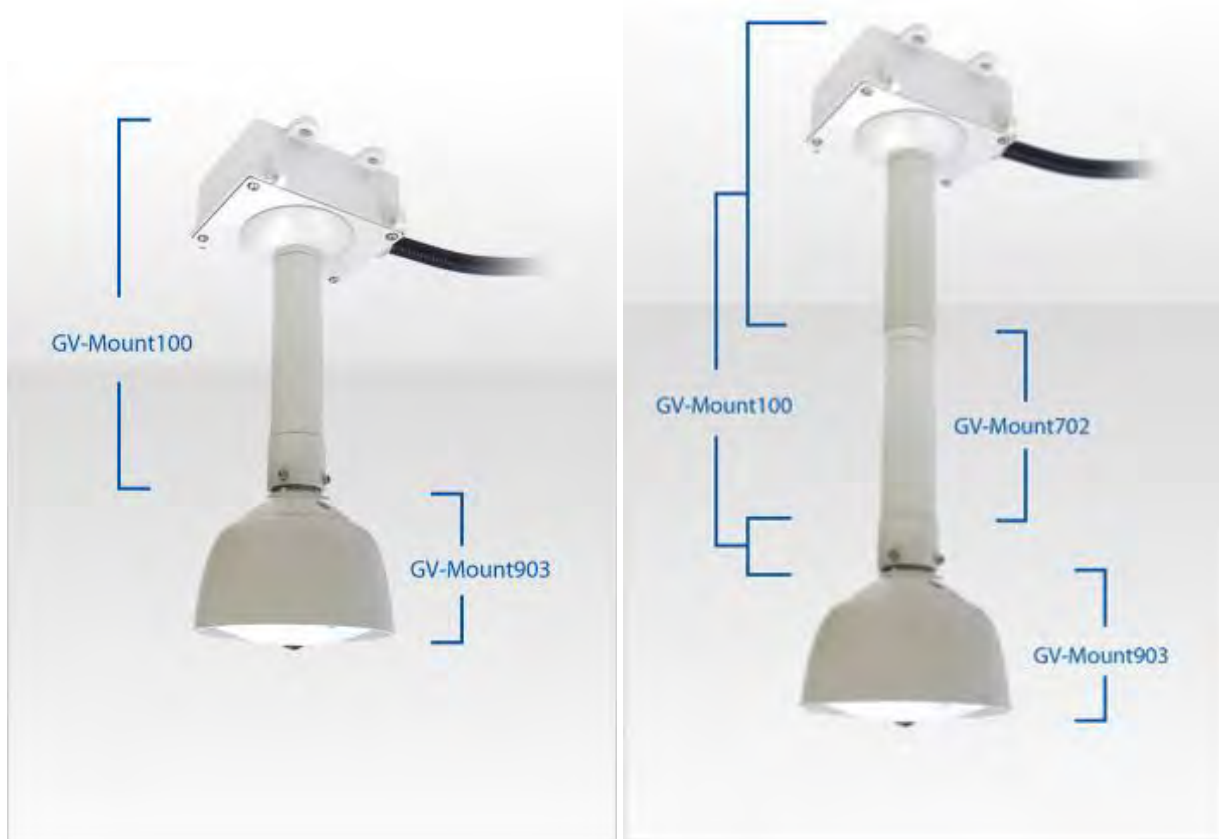
2. Thread the camera cable through the dome housing (GV-Mount903, No. 1).
3. Place the camera body to the dome housing. Make sure the camera cable is at the top of the dome housing arrow. Secure with three M4 screws (GV-Mount903, No. 3).



4. Place the camera cover for in-ceiling mount on the camera body and secure the 3 screws with the supplied torx wrench.



## 4.2 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", ø 26.0 ~ 26.5 mm)

**Optionally extend with:**

- GV-Mount702
-

1. Assemble the camera to the dome housing. See *4.1 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).



## 4 Installing the Fisheye Camera

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

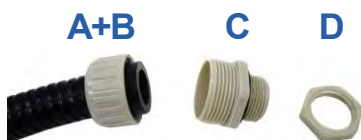


6. Assemble the corrugated tube connector (GV-Mount100, No. 6) with the self-prepared corrugated tube.

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

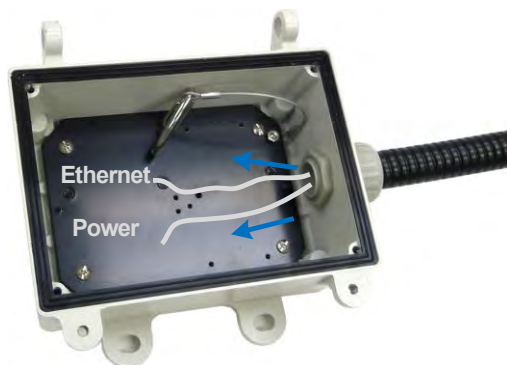


- B. Slide part A and part B to the self-prepared corrugated tube.



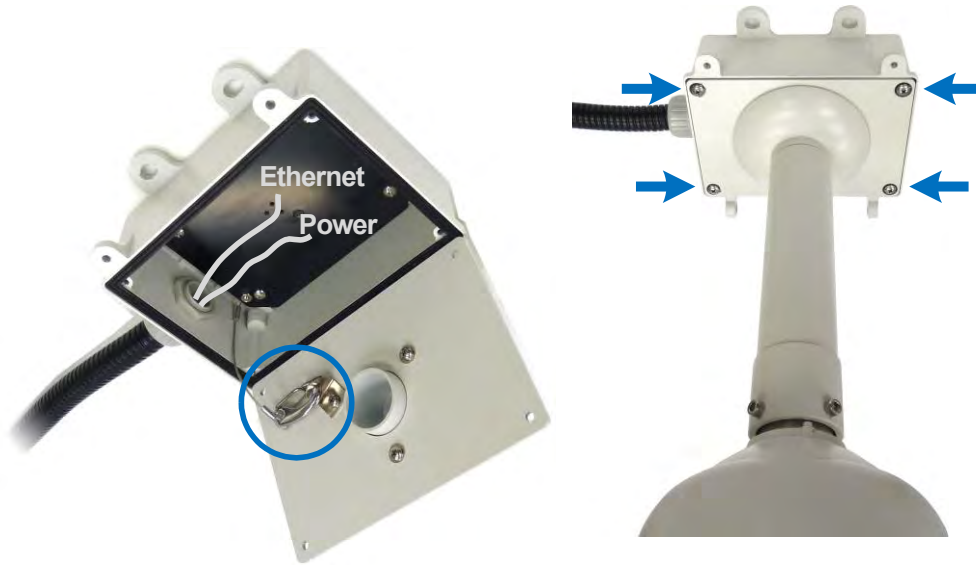
- C. Screw part C to the tube.

- 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 CD.

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 CD.

## 4.3 Straight Tube Mount



---

**Required accessories:**

- GV-Mount101
- GV-Mount903

**The user needs to prepare:**

- Screws for ceiling x 4

**Optionally extend with:**

- GV-Mount702
-

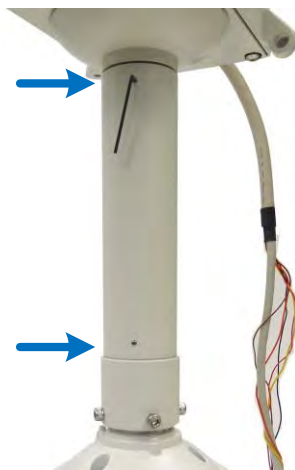
1. Assemble the camera with the dome housing. See *4.1 Assembling the Fisheye Camera with the Dome Housing*.
2. Assemble the tube (GV-Mount101, No. 2) and the tube connector (GV-Mount101, No. 3).



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 CD 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*.



## 4.4 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 *4.1 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.

## 4.5 Tilting Wall Mount



**Front View**



**Side View: Flat**



**Side View: Tilted**

---

**Required accessories:**

- GV-Mount904
- 

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**

#### 4 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.



## 4.6 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 *4.1 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 CD 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*.

## 4.7 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", ø 26.0 ~ 26.5 mm)

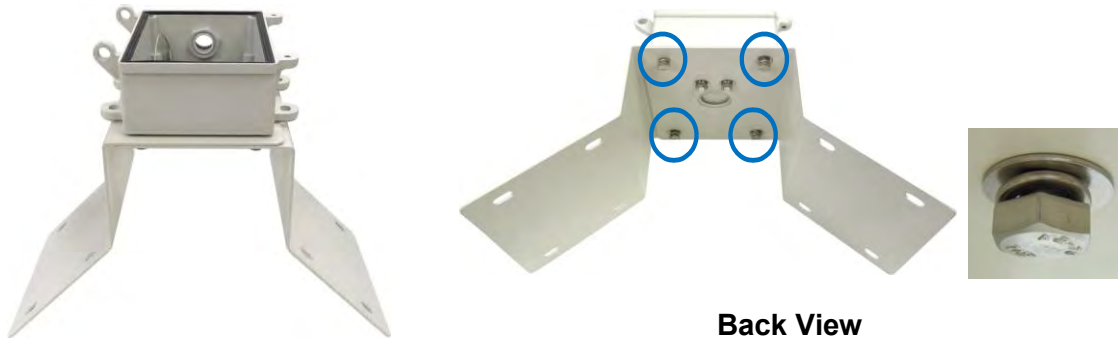


- 
1. Assemble the camera with the dome housing. See *4.1 Assembling the Fisheye Camera with the Dome Housing*.
  2. Assemble the mounting plates (GV-Mount300, No. 1), slide in the plain washer (GV-Mount300, No. 4), then the split washer (GV-Mount300, No. 5), and secure them with the screw cap (GV-Mount300, No. 6).





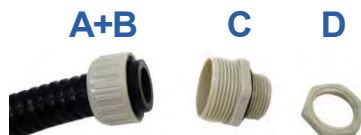
3. Secure the junction box (GV-Mount203, No. 1) to the mounting plates from the backside using the 25 mm M8 screw (GV-Mount300, No. 3), plain washer (GV-Mount300, No. 4), and split washer (GV-Mount300, No. 5).



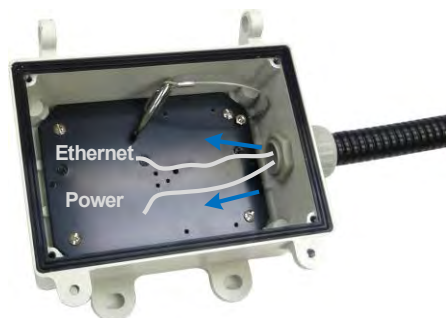
4. Secure the mounting plates to the wall with 8 self-prepared screws. Face the conduit exit downward.
5. Assemble the corrugated tube connector (GV-Mount203, No. 4) with the self-prepared corrugated tube.
  - A. Dismantle the supplied corrugated tube connector. You should have 4 parts.



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



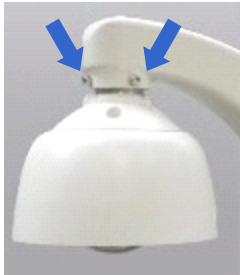
- C. Screw part C to the tube.
  - D. Thread the necessary wires and cables from the wall or the ceiling through the corrugated tube, plug the tube to the box and secure with part D.





**4 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).

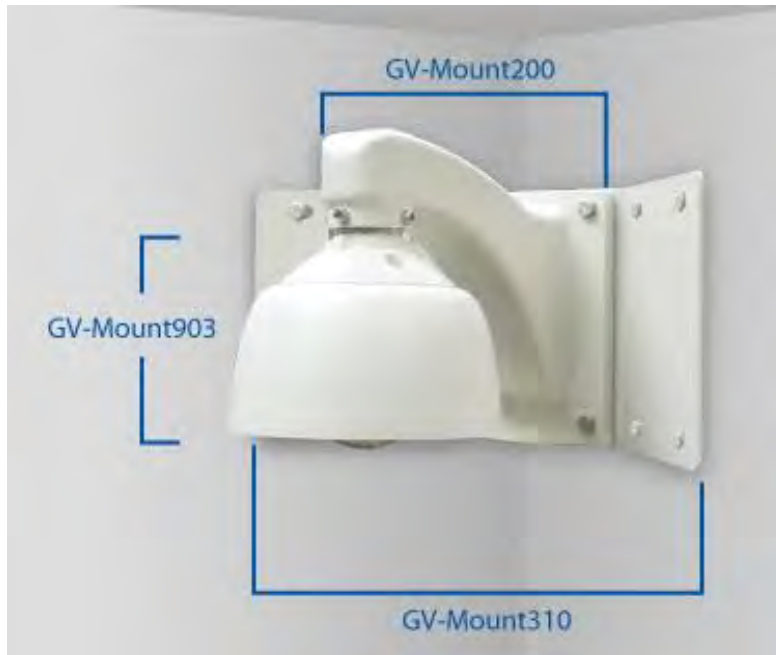


7. Hinge and hook the pendant tube to the junction box.



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 CD.
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 CD.

## 4.8 Concave Corner Mount



---

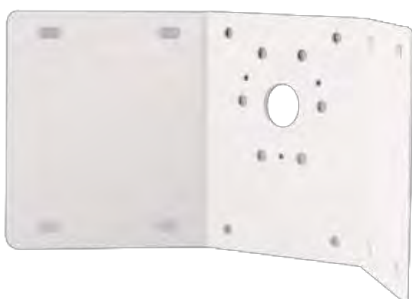
**Required accessories:**

- 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 *4.1 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).

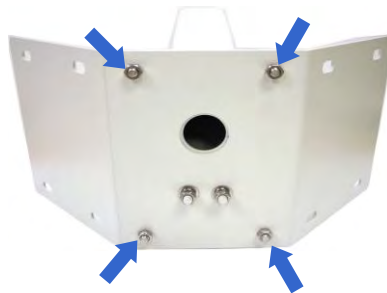


**4 Installing the Fisheye Camera**

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 CD 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*.

## 4.9 Pole Mount

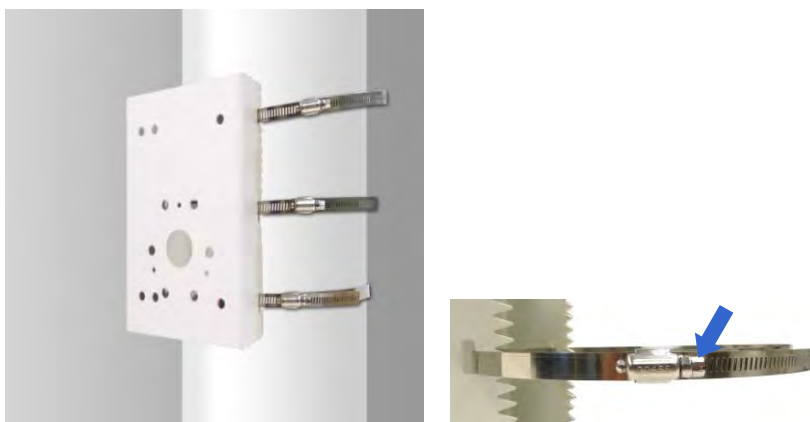


---

**Required accessories:**

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

1. Assemble the camera with the dome housing. See *4.1 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.



**4 Installing the Fisheye Camera**

3. Thread the camera cable through the pendant tube (GV-Mount200, No. 1) and secure the 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 CD 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*.

## 4.10 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 *4.1 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**

## 4 Installing the Fisheye Camera

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.

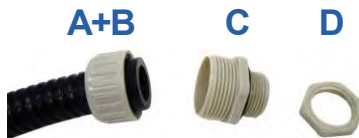


4. Assemble the corrugated tube connector (GV-Mount203, No. 4) with the self-prepared corrugated tube.

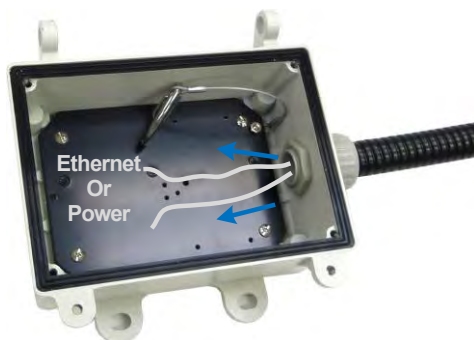
- A. Dismantle the supplied corrugated tube connector. You should have 4 parts.



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

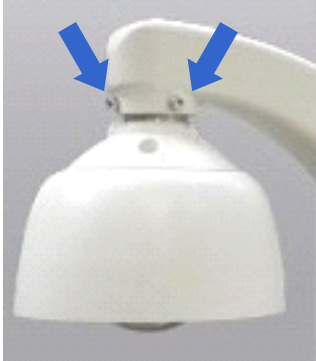


- C. Screw part C to the tube.
- D. Thread the necessary wires and cables through the corrugated tube, plug the tube to the box and secure with part D.





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).



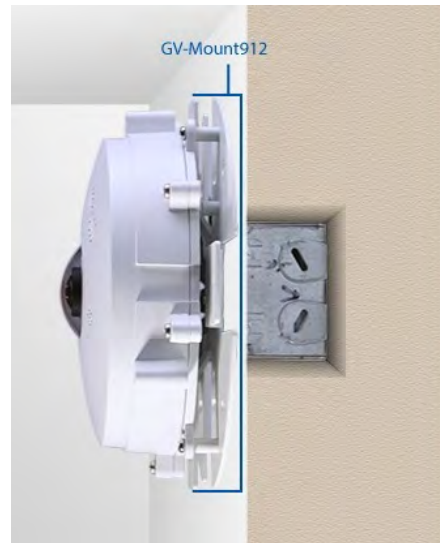
6. Hinge and hook the pendant tube to the junction box.



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 CD.
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 CD.



## 4.11 Power Box Mount



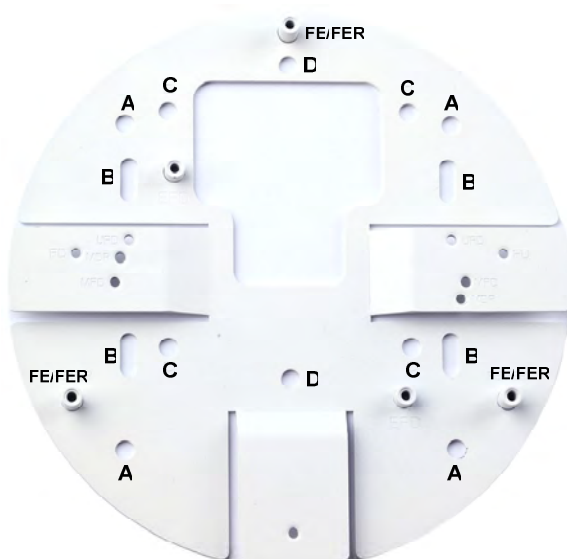
### Required accessories:

- 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. 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”.



3. Refer to the indicated sections of the **GV-Fisheye Camera User's Manual on the software CD** 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*.

## 5. Installing the GV-SD220/220-S IP Speed Dome

### 5.1 Assembling GV-SD220-S with Pendant Tube



---

#### Required Item

- GV-SD220 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.

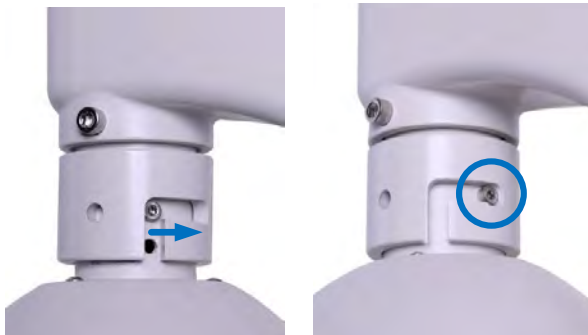



---

**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.
2. Assemble the camera with the pendant tube.
- A. Thread the camera 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.



## 5.2 GV-SD220 In-Ceiling Mount



---

This installation method is only applicable to **indoor GV-IP Speed Dome (GV-SD220)**.

### Required Items

- GV-Mount907

### The user needs to prepare:

- ceiling screws x 3
- 

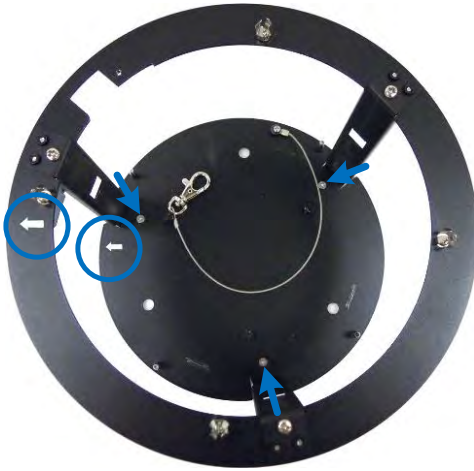
1. Assemble the support racks, mounting plate and the mounting ring.
  - A. Secure the three support racks (GV-Mount907, No. 1) to the mounting ring (GV-Mount907, No.2) from the underside with screws (GV-Mount907, No. 3).



- 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).

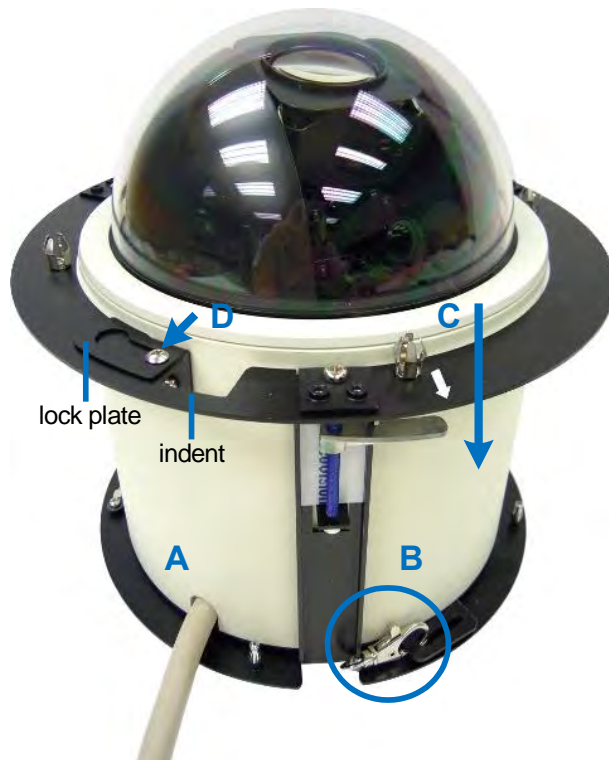


- B. Secure the lock plate (GV-Mount907, No. 7) to the camera body with the supplied screw (GV-Mount907, No. 7).



**5 Installing the GV-SD220/220-S**

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



- A. Thread the camera 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 GV-SD220 User's Manual* on the software CD.



## 5.3 GV-SD220-S In-Ceiling Mount



---

This installation method is only applicable to **outdoor GV-IP Speed Dome (GV-SD220-S)**.  
**The complete installation weights 6.75 Kg / 14.88 lb. Make sure the chosen ceiling can bear the weight.**

### 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).



---

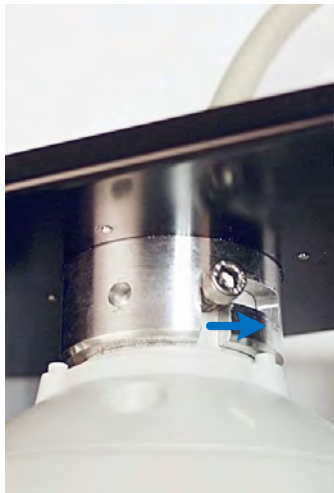
**IMPORTANT:** The housing cap only fits the mounting plate in a certain position. Rotate the housing cap on the mounting plate to make sure it fits tightly before securing it to the mounting plate.

---

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 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.

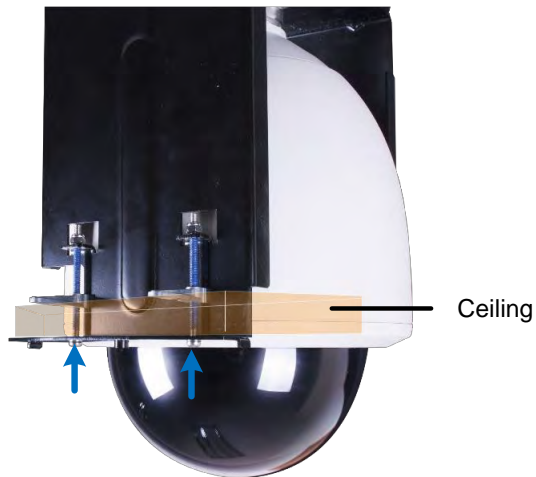


- D. Put on another 2 screws (GV-Mount908, No. 4) and use the hex key (GV-Mount908, No.5) to secure all 4 screws tightly.



## 5 Installing the GV-SD220/220-S

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 cable through the ceiling and insert the camera. Adjust the 4 screws to clip the camera tightly to the ceiling.

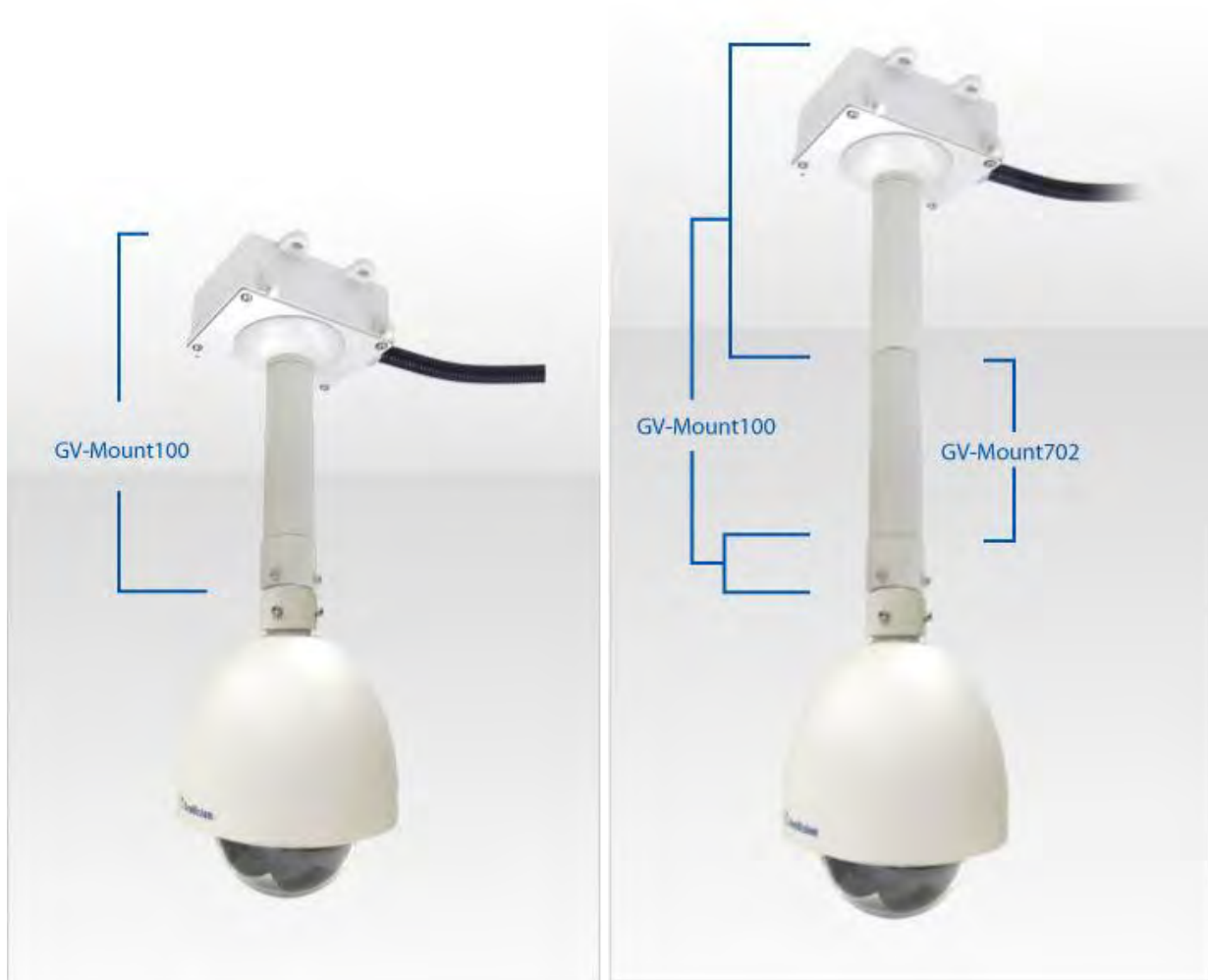


6. Secure the in-ceiling cover (GV-Mount908, No. 7) with 2 screws (GV-Mount908, No. 8) using the hex key (standard package).



7. Connect the network, power and other cables to the camera. See *1.6 Connecting the Camera, GV-IP Speed Dome GV-SD220 User's Manual* on the software CD.

## 5.4 Straight Tube Box Mount



This installation method is only applicable to **outdoor GV-IP Speed Dome (GV-SD220-S)**.

### Required accessories:

- GV-Mount100

### The user needs to prepare:

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

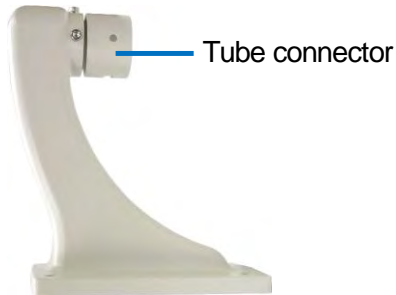


### Optionally extend with:

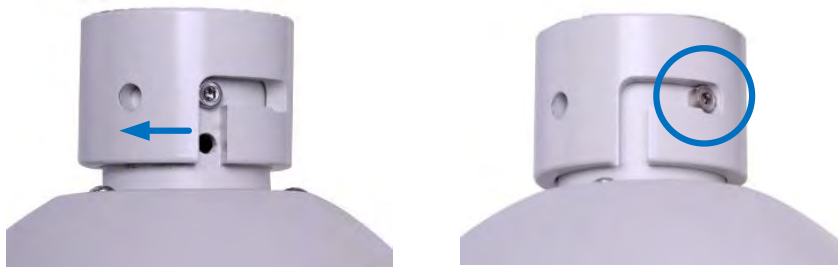
- GV-Mount702

## 5 Installing the GV-SD220/220-S

1. Follow step 1 in *5.1 Assembling GV-SD220-S with Pendant Tube* 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.



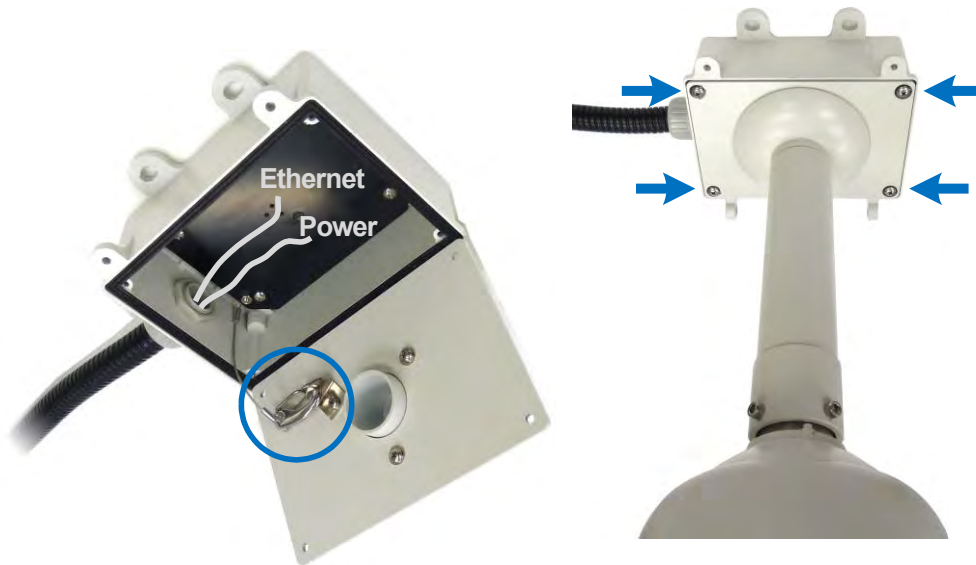
- B. Secure the tube connector with the supplied M6 screws.



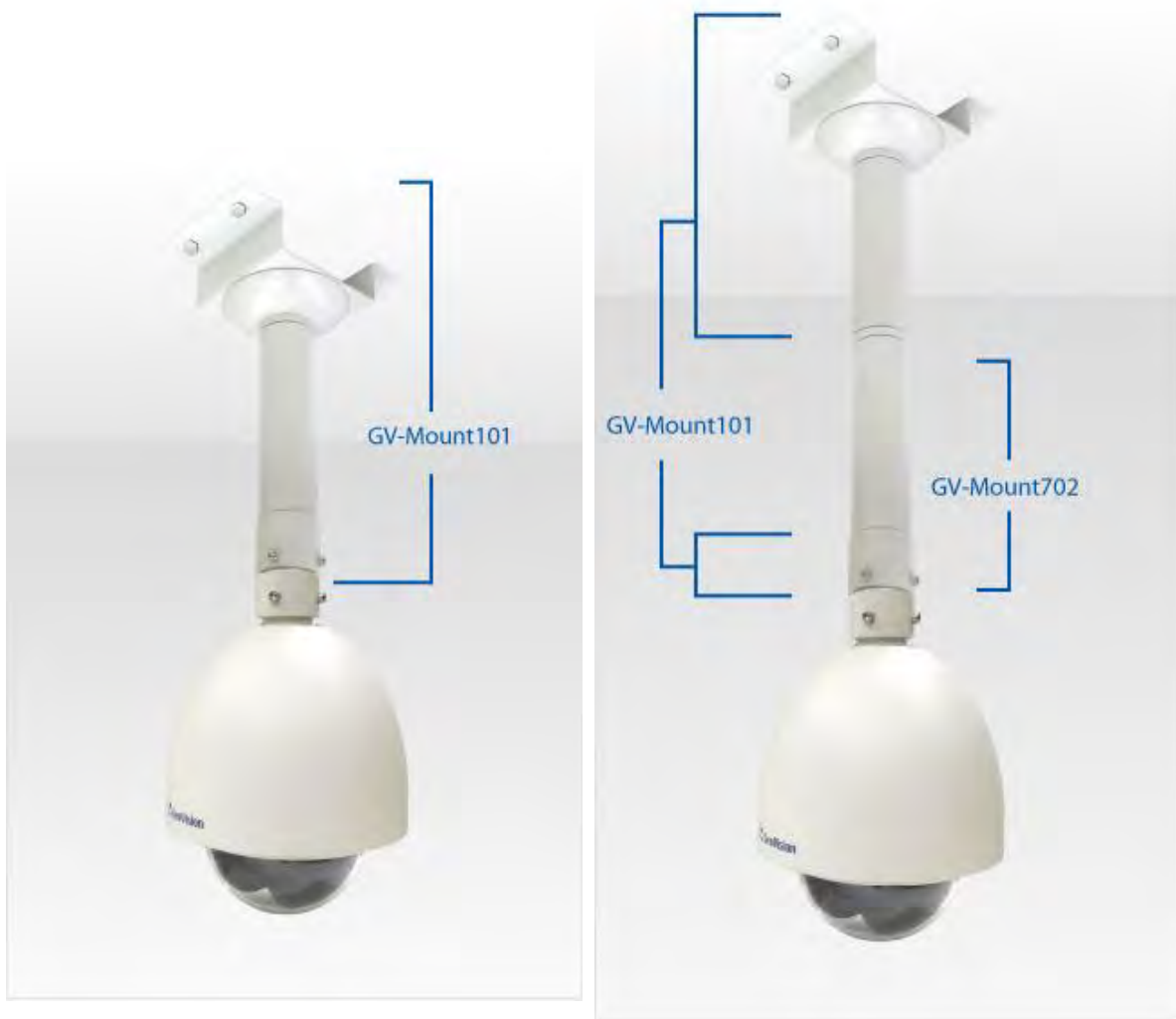
4. Assemble the tube (GV-Mount100, No. 3) and the tube connector (GV-Mount100, No. 4).



5. Thread the camera cable through the tube and secure the tube to the dome with M6 screws.
6. Follow steps 3 to 6 in *4.2 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 GV-SD220 User's Manual* on the software CD.
8. Hinge and hook the box cover and secure it with M5 flat screws (GV-Mount100, No. 5).



## 5.5 Straight Tube Mount



This installation method is only applicable to **outdoor GV-IP Speed Dome (GV-SD220-S)**.

**Required accessories:**

- GV-Mount101

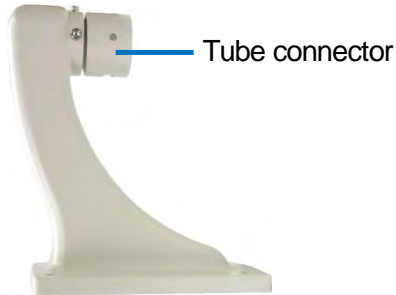
**The user needs to prepare:**

- Screws for ceiling x 4

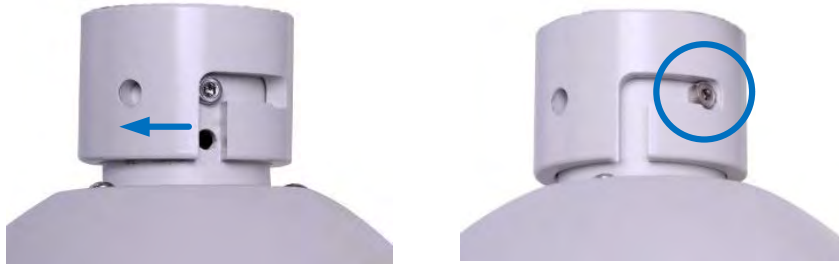
**Optionally extend with:**

- GV-Mount702

1. Follow steps 1 to 3 in *5.1 Assembling GV-SD220-S with Pendant Tube* 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 cable through the tube and secure the tube to the dome with M6 screws.



## **5 Installing the GV-SD220/220-S**

6. Follow steps 4 to 6 in *4.3 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 GV-SD220 User's Manual* on the software CD.

## 5.6 Convex Corner Mount



---

This installation method is only applicable to **outdoor GV-IP Speed Dome (GV-SD220-S)**.

**Required accessories:**

- Pendant Tube (in GV-SD220-S standard package)
- GV-Mount300

**The user needs to prepare:**

- Screws for wall x 8

- 
1. Assemble the camera with the pendant tube. See *5.1 Assembling GV-SD220-S with Pendant Tube*.
  2. Follow steps 3 to 5 in *4.6 Convex Corner Mount* to assemble the mounting plates to the camera and secure the camera to the wall.
  3. Connect the network, power and other cables to the camera. See *1.6 Connecting the Camera, GV-IP Speed Dome GV-SD220 User's Manual* on the software CD.

## 5.7 Convex Corner Box Mount



---

This installation method is only applicable to **outdoor GV-IP Speed Dome (GV-SD220-S)**.

### Required accessories:

- GV-Mount203
- GV-Mount300

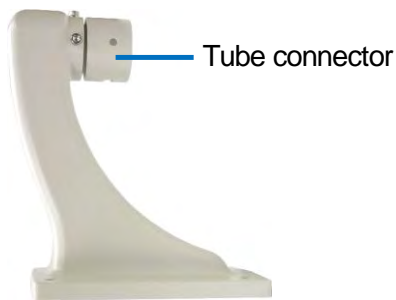
### The user needs to prepare:

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

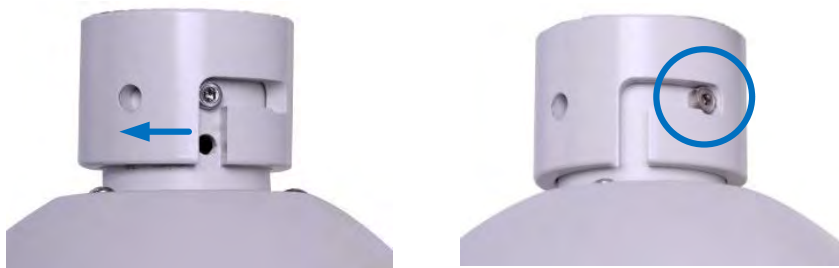


- 
1. Follow steps 2 to 5 in *4.7 Convex Corner Box Mount* to assemble the mounting plates, box and corrugated tube and secure them to the wall.
  2. Follow step 1 in *5.1 Assembling GV-SD220-S with Pendant Tube* to insert the desiccant packs.

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

## 5 Installing the GV-SD220/220-S

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 GV-SD220 User's Manual* on the software CD.
8. Conceal the box with M5 screws (GV-Mount203, No. 3) using the torx wrench (GV-Mount203, No. 5).

## 5.8 Concave Corner Mount



---

This installation method is only applicable to **outdoor GV-IP Speed Dome (GV-SD220-S)**.

**Required accessories:**

- Pendant Tube (in GV-SD220-S standard package)
- GV-Mount310

**The user needs to prepare:**

- Screws for wall x 8

- 
1. Assemble the camera with the pendant tube. See *5.1 Assembling GV-SD220-S with Pendant Tube*.
  2. Follow steps 2, 4 and 5 in *4.8 Concave Corner Mount* to assemble the mounting plates and secure the camera to the wall.
  3. Connect the network, power and other cables to the camera. See *1.6 Connecting the Camera, GV-IP Speed Dome GV-SD220 User's Manual* on the software CD.

## 5.9 Pole Mount



---

This installation method is only applicable to **outdoor GV-IP Speed Dome (GV-SD220-S)**.

**Required accessories:**

- Pendant Tube (in GV-SD220-S standard package)
  - GV-Mount400 or GV-Mount410
- 

1. Assemble the camera with the pendant tube. See *5.1 Assembling GV-SD220-S with Pendant Tube*.
2. Follow step 2 in *4.9 Pole Mount* to secure the pole mount bracket.
3. Follow step 4 in *4.9 Pole Mount* to secure the camera to the pole.
4. Connect the network, power and other cables to the camera. See *1.6 Connecting the Camera, GV-IP Speed Dome GV-SD220 User's Manual* on the software CD.

## 5.10 Pole Box Mount



---

This installation method is only applicable to **outdoor GV-IP Speed Dome (GV-SD220-S)**.

**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)

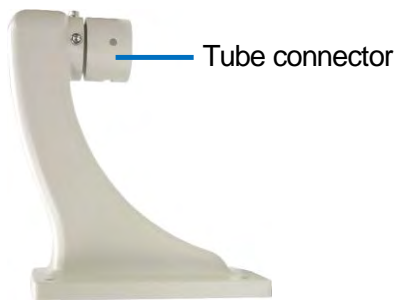


- 
1. Follow step 1 in *5.1 Assembling GV-SD220-S with Pendant Tube* to insert the desiccant.
  2. Follow steps 2 to 4 in *4.10 Pole Box Mount* to install the junction box, mounting bracket and corrugated tube.

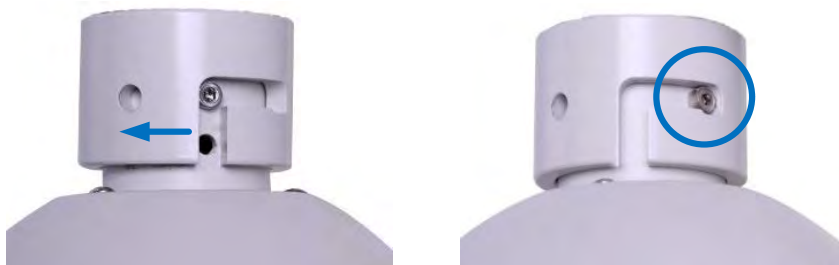


**5 Installing the GV-SD220/220-S**

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 cable through the pendant tube (GV-Mount203, No. 2) and secure them together with M6 screws.
6. Follow step 6 in *4.10 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 GV-SD220 User's Manual* on the software CD.
8. Conceal the junction box with M5 screws (GV-Mount203, No. 3) using the torx wrench (GV-Mount203, No. 5).

## 6. Installing the Bullet Camera

### 6.1 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).



**6 Installing the Bullet Camera**

2. Assemble the camera with the mounting plates.
  - A. Thread the camera cable through the wall mount brackets.
  - B. Slide the M5 screws (GV-Mount300, No. 7) from front and secure from the backside using M5 plain washer (GV-Mount300, No. 8), M5 split washer (GV-Mount300, No. 9) and M5 screw cap (GV-Mount300, No. 10).



3. Secure the plates to the wall with 8 self-prepared screws.
4. Refer to the indicated sections of the **GV-IPCam H.264 User's Manual on the software CD** to:
  - A. Connect the network, power and other cables to the camera. See *6.4.1 Connecting the Camera*.
  - B. Access the live view. See *14.1 Accessing the Live View*.
  - C. Adjust the angle, focus and zoom of the camera. See *6.4.2 Adjusting the Angles* and *6.4.3 Adjusting the Lens and Inserting a Memory Card*.
  - D. Install the sun-shield cover. See *6.4.4 Installing the Sun-Shield Cover*.

## 6.2 Concave Corner Mount



---

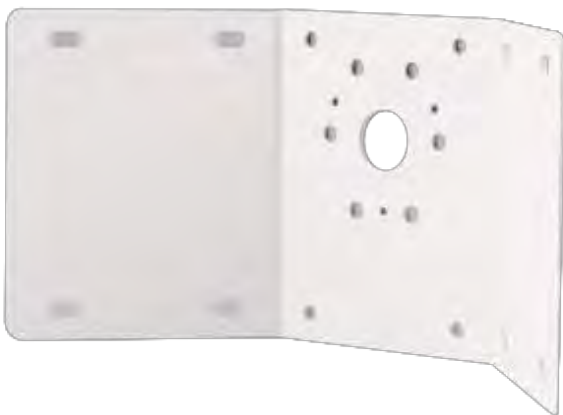
**Required accessories:**

- GV-Mount310

**The user needs to prepare:**

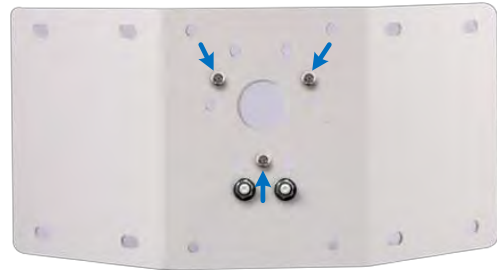
- Screws for wall x 8
- 

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).



**6 Installing the Bullet Camera**

2. Assemble the camera with the mounting plates.
  - A. Thread the camera cable through the wall mount brackets.
  - B. Slide the M5 screws (GV-Mount310, No. 6) from front and secure from the backside using M5 plain washer (GV-Mount310, No. 7), M5 split washer (GV-Mount310, No. 8) and M5 screw cap (GV-Mount310, No. 9).

**Front View****Back View**

3. Secure the plates to the wall with 8 self-prepared screws.
4. Refer to the indicated sections of the **GV-IPCam H.264 User's Manual on the software CD** to:
  - A. Connect the network, power and other cables to the camera. See *6.4.1 Connecting the Camera*.
  - B. Access the live view. See *14.1 Accessing the Live View*.
  - C. Adjust the angle, focus and zoom of the camera. See *6.4.2 Adjusting the Angles* and *6.4.3 Adjusting the Lens and Inserting a Memory Card*.
  - D. Install the sun-shield cover. See *6.4.4 Installing the Sun-Shield Cover*.

## 6.3 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 brackets.
  - B. Slide the M5 screws (GV-Mount400 / GV-Mount410, No.8) from front and secure from the backside using M5 plain washer (GV-Mount400 / GV-Mount410, No.9), M5 split washer (GV-Mount400 / GV-Mount410, No.10) and M5 screw cap (GV-Mount400 / GV-Mount410, No.11).



**Backside View**

**6 Installing the Bullet 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.



3. Refer to the indicated sections of the **GV-IPCam H.264 User's Manual on the software CD** to:
  - A. Connect the network, power and other cables to the camera. See *6.4.1 Connecting the Camera*.
  - B. Access the live view. See *14.1 Accessing the Live View*.
  - C. Adjust the angle, focus and zoom of the camera. See *6.4.2 Adjusting the Angles* and *6.4.3 Adjusting the Lens and Inserting a Memory Card*.
  - D. Install the sun-shield cover. See *6.4.4 Installing the Sun-Shield Cover*.

## 7. Installing the Arctic Box Camera

### 7.1 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).





## 7 Installing the Arctic Box Camera

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 **GV-IPCam H.264 User's Manual on the software CD** to:
  - A. Connect the camera to PoE. See *4.5 Connecting the Camera*.
  - B. Access the live view. See *14.1 Accessing the Live View*.
  - C. Adjust the angle, focus and zoom of the camera. See steps 6 and 7 in *4.4 Installation*.
  - D. Replace the silica gel bag and secure the housing cover. See steps 8 and 9 in *4.4 Installation*.

## 7.2 Concave Corner Mount



---

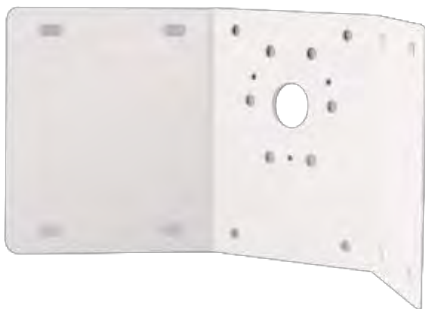
**Required accessories:**

- 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).



**7 Installing the Arctic Box Camera**

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 **GV-IPCam H.264 User's Manual on the software CD** to:
  - A. Connect the camera to PoE. See *4.5 Connecting the Camera*.
  - B. Access the live view. See *14.1 Accessing the Live View*.
  - C. Adjust the angle, focus and zoom of the camera. See steps 6 and 7 in *4.4 Installation*.
  - D. Replace the silica gel bag and secure the housing cover. See steps 8 and 9 in *4.4 Installation*.

## 7.3 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**

## 7 Installing the Arctic 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.



3. Refer to the indicated sections of the **GV-IPCam H.264 User's Manual on the software CD** to:
  - A. Connect the camera to PoE. See *4.5 Connecting the Camera*.
  - B. Access the live view. See *14.1 Accessing the Live View*.
  - C. Adjust the angle, focus and zoom of the camera. See steps 6 and 7 in *4.4 Installation*.
  - D. Replace the silica gel bag and secure the housing cover. See steps 8 and 9 in *4.4 Installation*.

## 8. Installing the Mini Fixed Dome

### 8.1 L-Shaped Wall Mount

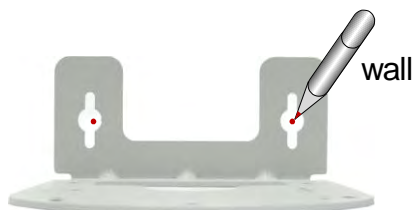


---

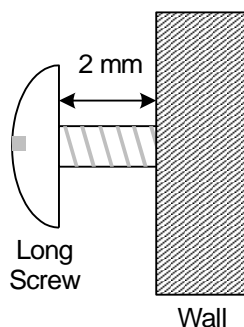
#### Required accessories:

- GV-Mount900
- 

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

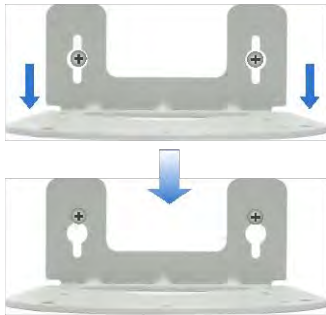


2. Drill the marks and insert 2 screw anchors (GV-Mount900, No. 2).
3. Insert the wall mount screws (GV-Mount900, No. 3) and leave enough distance (approximately 2 mm) to hang the wall mount bracket later.

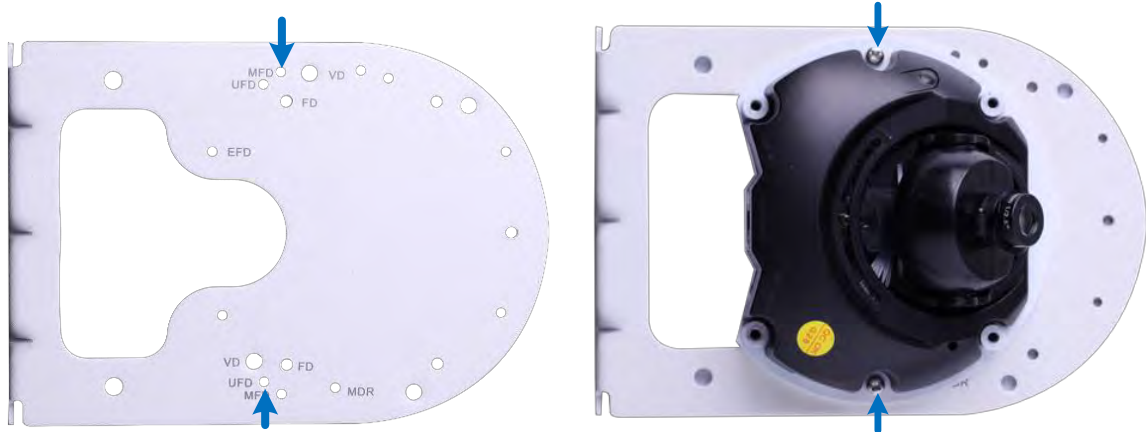


**8 Installing the Mini Fixed Dome**

4. 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.



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



7. Refer to the indicated sections of the **GV-IPCam H.264 User's Manual on the software CD** to:
  - A. Connect the network, power and other cables to the camera. See *5.5 Connecting the Camera*.
  - B. Access the live view. See *14.1 Accessing the Live View*.
  - C. Based on the live view, adjust the pan and tilt angles and secure the housing cover with the torx wrench. See steps 7 in *5.4.1 GV-MFD Series*.

## 8.2 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.



**8 Installing the Mini Fixed Dome**

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 **GV-IPCam H.264 User's Manual** on the software CD to:
- A. Thread the network, power and other cables through the wall mount bracket and connect them to the camera. See *5.5 Connecting the Camera*.
  - B. Access the live view. See *14.1 Accessing the Live View*.
  - C. Based on the live view, adjust the pan and tilt angles and secure the housing cover with the torx wrench. See steps 7 in *5.4.1 GV-MFD Series*.

## 8.3 Power Box Mount



### Required accessories:

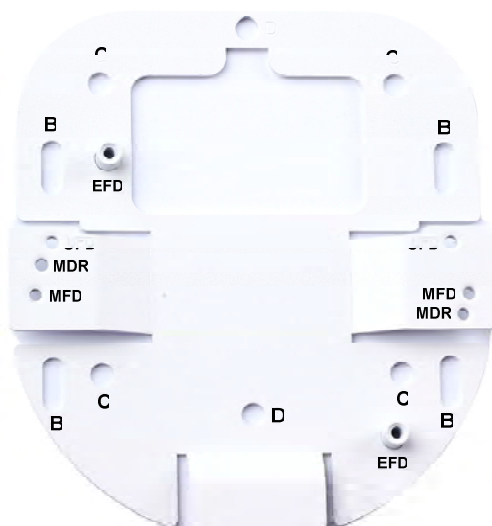
- GV-Mount910 or GV-Mount913

### The user needs to prepare

- Screws for securing the mounting plate to power box

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

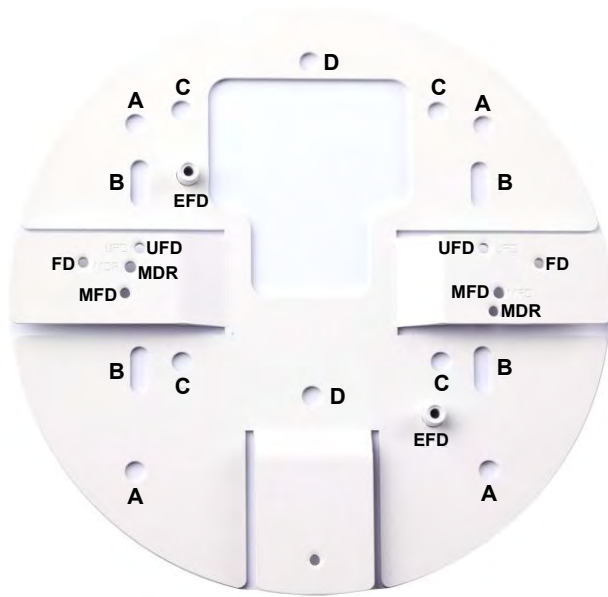
### GV-Mount910



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

## 8 Installing the Mini Fixed Dome

### 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 **GV-IPCam H.264 User's Manual on the software CD** to:
  - A. Connect the network, power and other cables to the camera. See *5.5 Connecting the Camera*.
  - B. Access the live view. See *14.1 Accessing the Live View*.
  - C. Based on the live view, adjust the pan and tilt angles and secure the housing cover with the torx wrench. See steps 7 in *5.4.1 GV-MFD Series*.

## 9. Installing the Mini Fixed Rugged Dome

### 9.1 L-Shaped Wall Mount

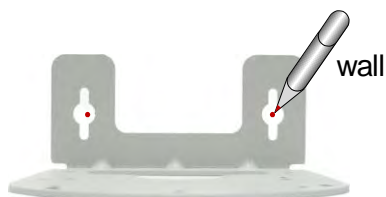


---

**Required accessories:**

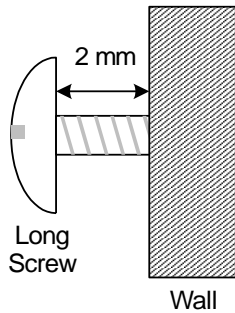
- GV-Mount900
- 

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

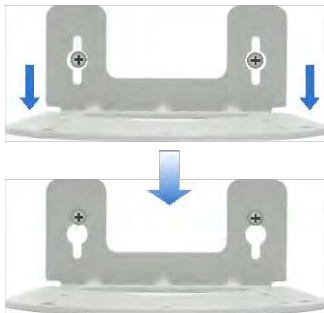


2. Drill the marks and insert 2 screw anchors (GV-Mount900, No. 2).

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

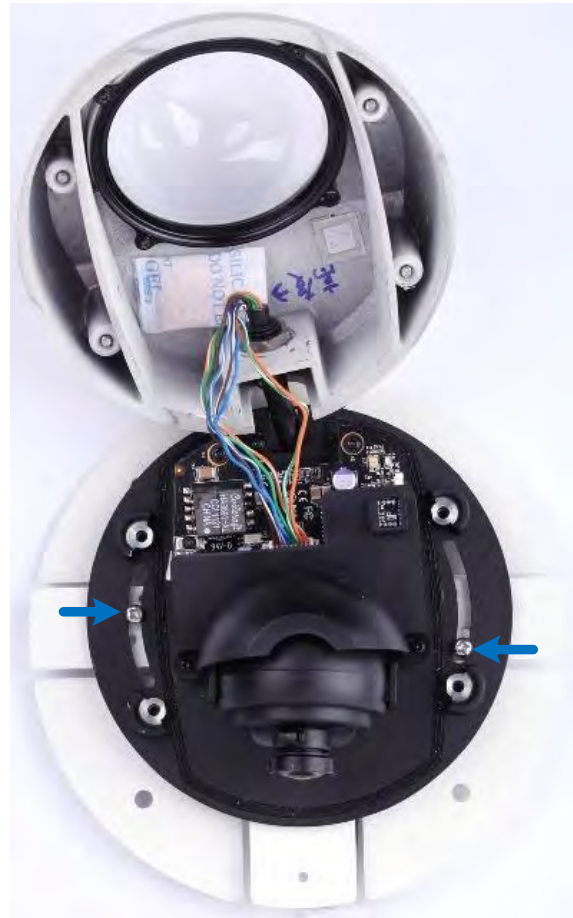
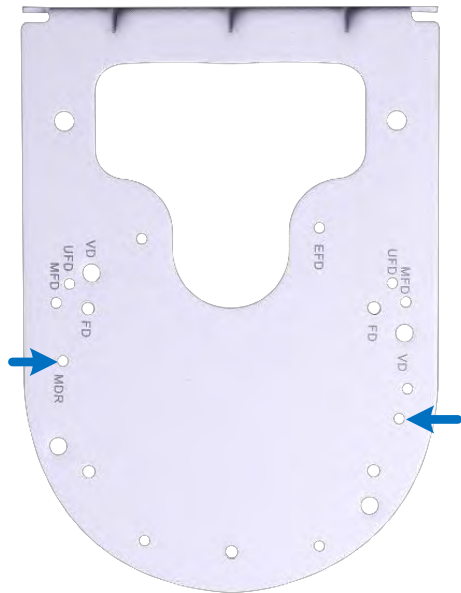


4. Hang the wall mount bracket on the wall mount screws and push the wall mount bracket downward. Tighten the wall mount screws to the wall.



5. Unscrew the camera's cover using the supplied torx wrench.

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



7. Refer to the indicated sections of the **GV-IPCam H.264 User's Manual** on the software **CD** to:
  - A. Waterproof the cable with the supplied cable connector. See step 6 in 5.4.2 GV-MDR Series.
  - B. Connect the network and power to the camera.
  - C. Access the live view. See 14.1 Accessing the Live View.
  - D. Based on the live view, adjust the angle of the camera. See steps 8 in 5.4.2 GV-MDR Series.
  - E. Replace the silica gel bag and secure the camera's cover with the supplied torx wrench.

## 9.2 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.

---

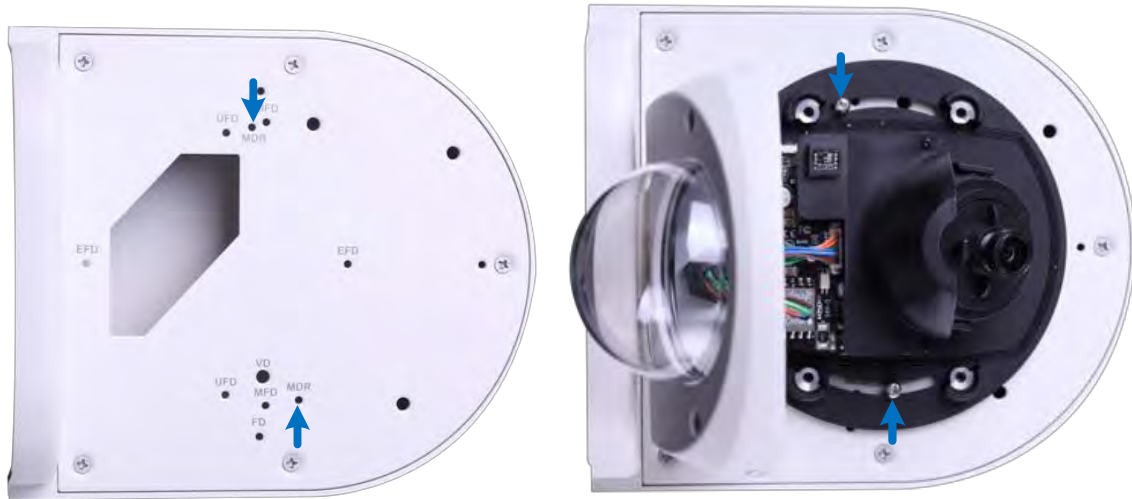
1. Take the wall mount bracket (GV-Mount909, No. 1) and make 4 marks on the wall for screw anchors.



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).
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 **GV-IPCam H.264 User's Manual on the software CD** to:
  - A. Waterproof the cable with the supplied cable connector. See step 6 in 5.4.2 GV-MDR Series.
  - B. Connect the network and power to the camera.
  - C. Access the live view. See 14.1 Accessing the Live View.
  - D. Based on the live view, adjust the angle of the camera. See steps 8 in 5.4.2 GV-MDR Series.
  - E. Replace the silica gel bag and secure the camera's cover with the supplied torx wrench.



## 9.3 Power Box Mount



### Required accessories:

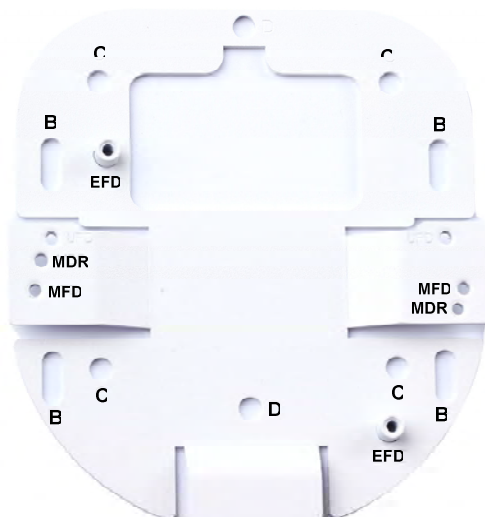
- GV-Mount910 or GV-Mount913

### The user needs to prepare

- Screws for securing the mounting plate to power box

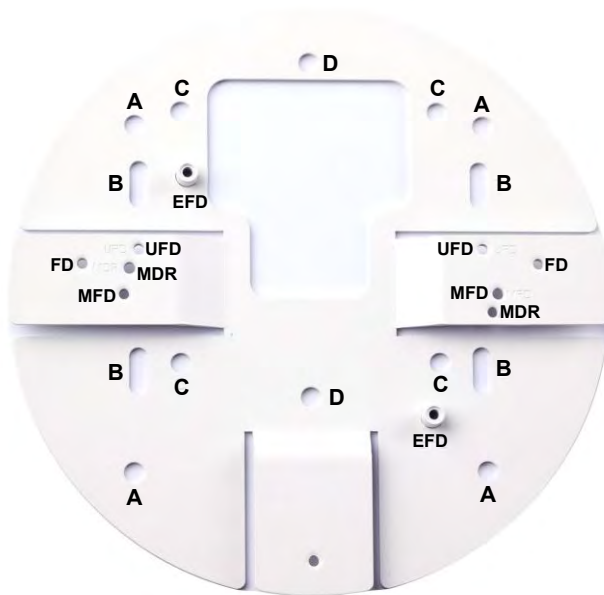
1. Secure the mounting plate (GV-Mount910 or GV-Mount913, No. 1) to the power box with your own screws. Depending on the type of power box, use the holes indicated with the corresponding letter:

#### GV-Mount910



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

### GV-Mount913



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

- Open the camera cover with the supplied torx wrench.
- 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".



- Refer to the indicated sections of the **GV-IPCam H.264 User's Manual on the software CD** to:
  - Waterproof the cable with the supplied cable connector. See step 6 in 5.4.2 GV-MDR Series.
  - Connect the network and power to the camera.
  - Access the live view. See 14.1 Accessing the Live View.

- D. Based on the live view, adjust the angle of the camera. See steps 8 in *5.4.2 GV-MDR Series*.
- E. Replace the silica gel bag and secure the camera's cover with the supplied torx wrench.