GeoVision inc
The Vision of Security

Quick Start Guide

GV-IP Camera



- GV-GBL12811
- GV-GBLF2802
- GV-GDR2801
- GV-GEBF2802

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

TVTBLDR-QG-C

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November 2025

Scan the following QR codes for product warranty and technical support policy:

[Warranty]

[Technical Support Policy]

Warning and Caution

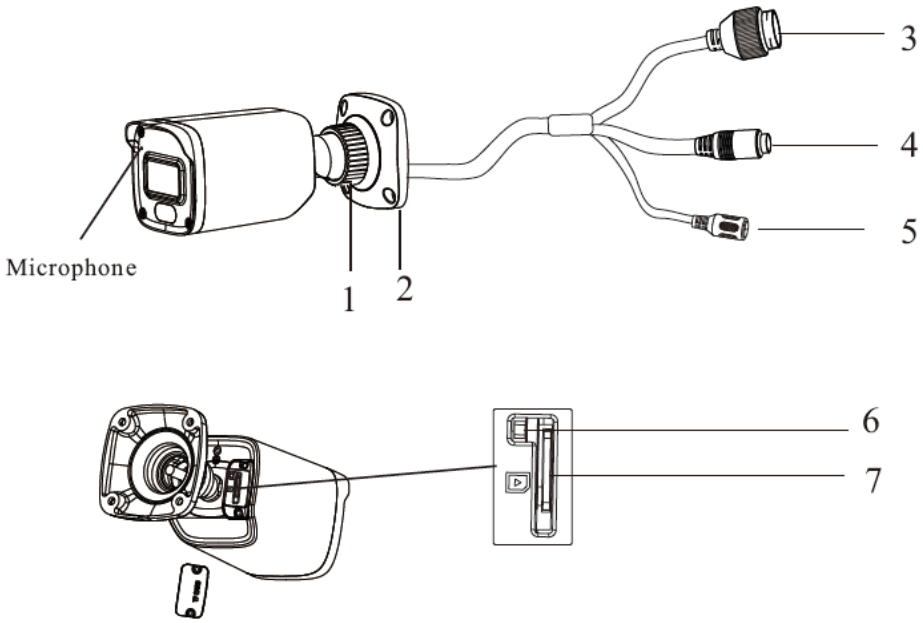
- If the product does not work properly, please contact your dealer or the nearest service center. Never attempt to disassemble the camera yourself. (We shall not be responsible for any problems caused by unauthorized repair or maintenance.)
- Keep away from liquid while in use.
- In the use of the product, you must be strict compliance with the electrical safety regulations of the nation and region. When the product is mounted on wall, the device shall be firmly fixed.
- Do not use camera beyond specified voltage range.
- Do not drop the camera or subject it to physical shock.
- Avoid touching the camera lens.
- If cleaning is necessary, please use clean cloth to wipe it gently.
- Do not aim the camera at the sun or extra bright place.
- Do not place the camera in extremely hot, cold, dusty or damp locations, and do not expose it to high electromagnetic radiation.
- To avoid heat accumulation, good ventilation is required for operating environment.

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1. Overview

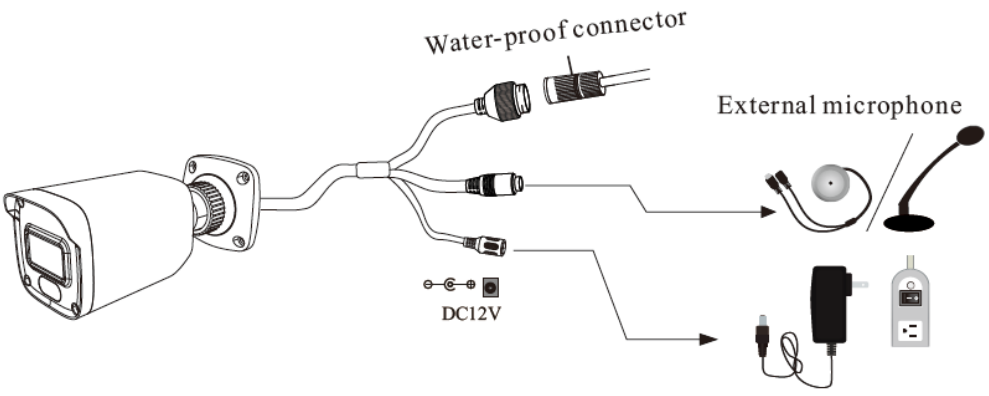
1.1 GV-GBLF2802 Overview



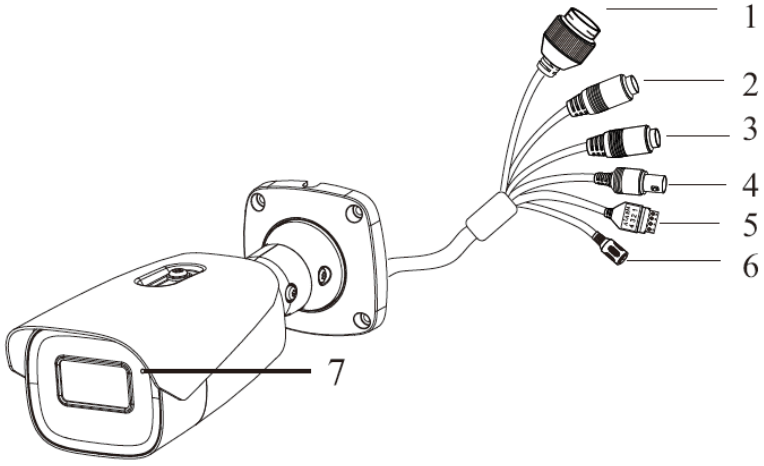
1	Fixed Ring	5	Power Connector
2	Mounting Base	6	Reset
3	Ethernet Connector	7	Micro SD Card Slot
4	Audio Input		

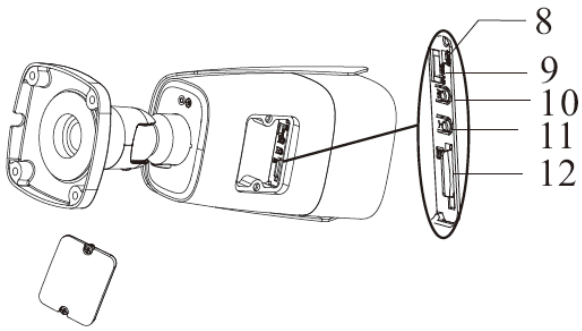
Note:

1. It is recommended to install the water-proof connector for outdoor installation.
2. Press and hold the reset button for more than 10 seconds to restore to the factory default setting.



1.2 GV-GBL12811 Overview

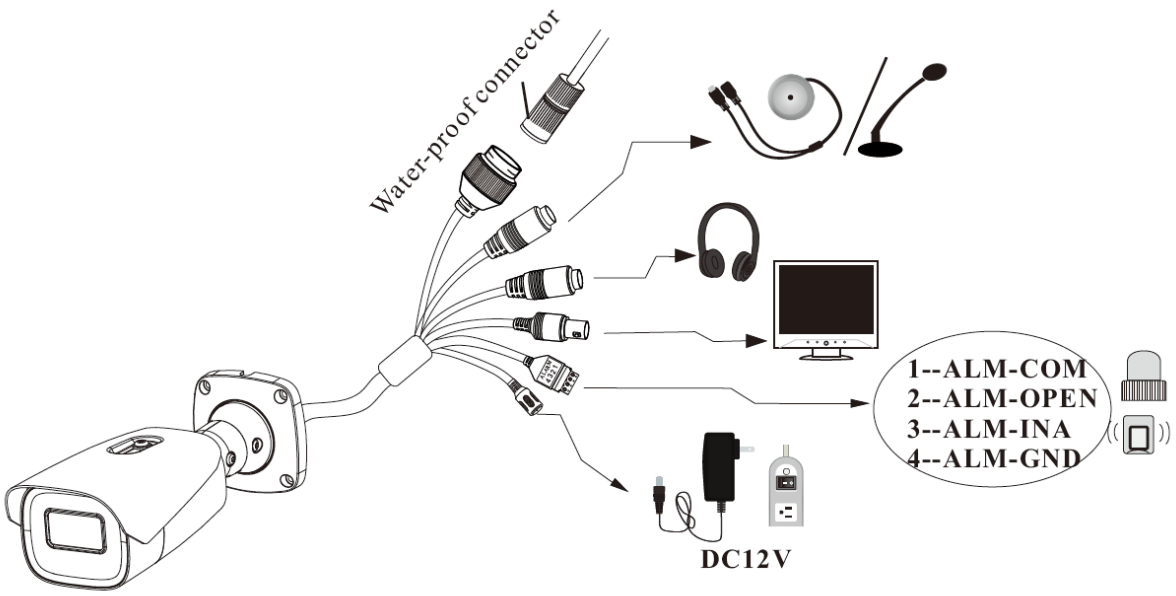




1	Ethernet Connector	7	Microphone
2	Audio Input (MIC)	8	Reset
3	Audio Output (HP)	9	DC IN & CVBS Interface
4	CVBS Video Output	10	Zoom -
5	Alarm Input / Output	11	Zoom +
6	Power Connector	12	Micro SD Card Slot

Note:

1. It is recommended to install the water-proof connector for outdoor installation.
2. Press and hold the reset button for more than 10 seconds to restore to the factory default setting.

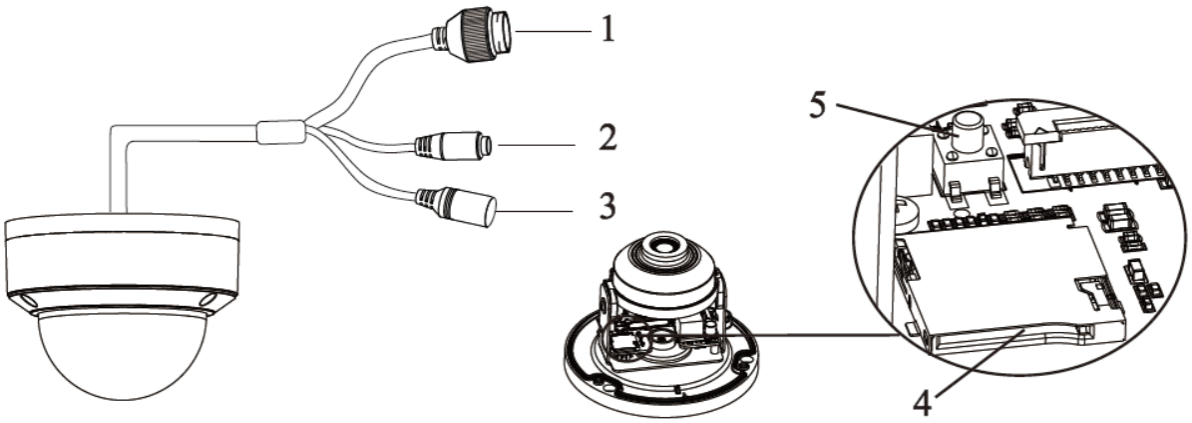


Alarm Connection

Alarm Input: Join the grounding ends of the sensor and the camera and then connect the signal cable of the sensor to the alarm input port of the camera.

Alarm Output: Loosen the screws in the alarm output port. Then insert the signal wires of the alarm output devices into the port of COM and OPEN separately. Finally tighten the screws. Some of the external alarm output devices need the power supply.

1.3 GV-GDR2801 Overview



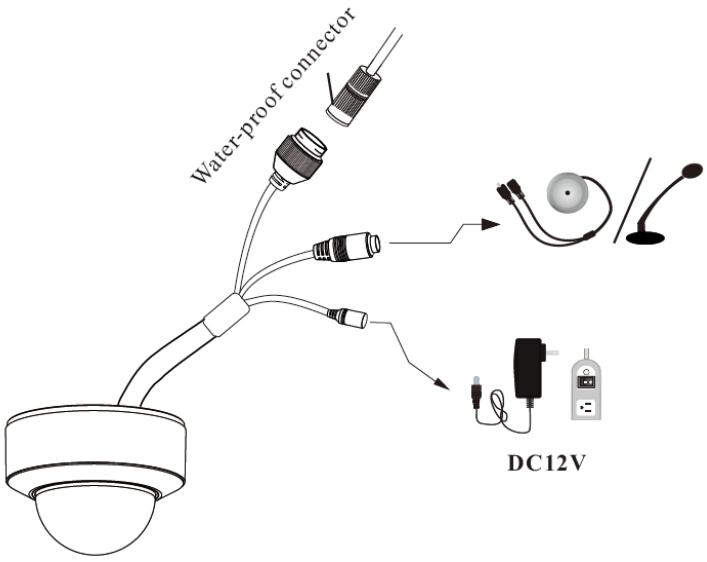
1	Ethernet Connector	3	Power Connector
2	Audio Input (MIC)	4	Micro SD Card Slot
5	Reset		

Note:

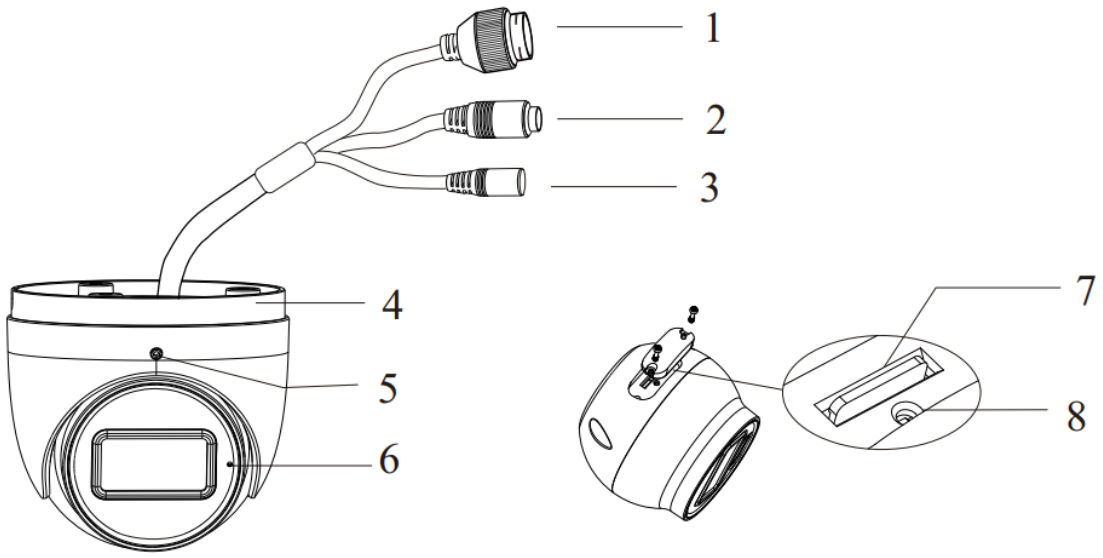
1. It is recommended to install the water-proof connector for outdoor installation.
2. Press and hold the reset button for more than 10 seconds to restore to the factory default setting.

IMPORTANT:

You must wear anti-static gloves or discharge static electricity before removing the lower dome (bubble).



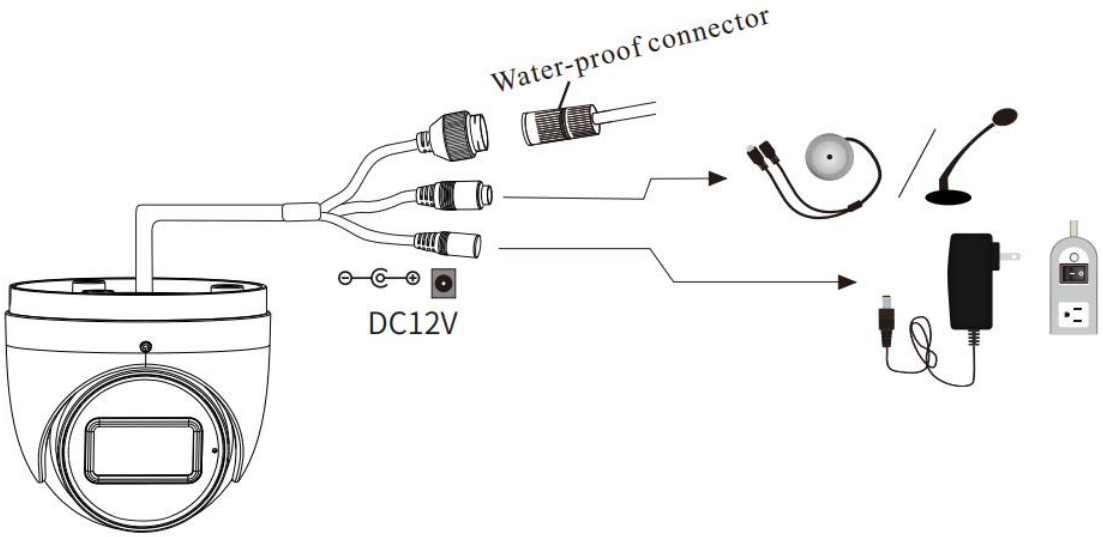
1.4 GV-GEBF2802 Overview



1	Ethernet Connector	5	Set Screw
2	Audio Input	6	Microphone
3	Power Connector	7	microSD Card Slot
4	Mounting Base	8	Reset

Note:

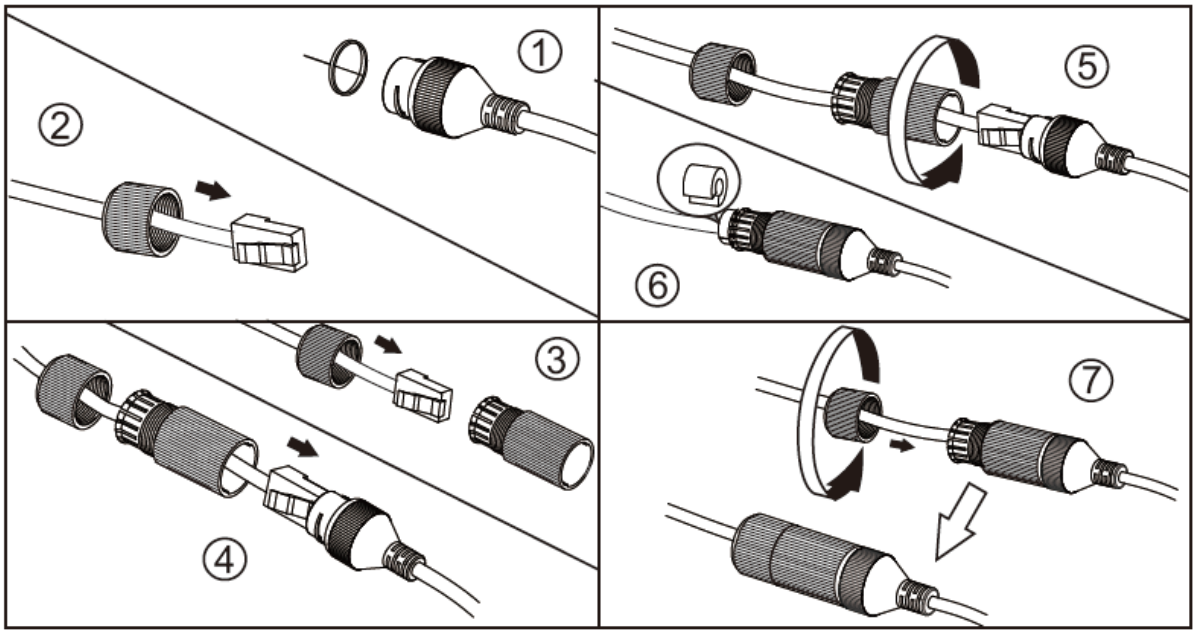
1. It is recommended to install the water-proof connector for outdoor installation.
2. Press and hold the reset button for more than 10 seconds to restore to the factory default setting.



2. Installation

- Ensure the wall or ceiling is strong enough to support **three times** the weight of the camera.
- Install the camera in a **dry environment**. Reattach the lower dome **within 4 hours** of removing it.
- **Avoid direct contact** with the dome during installation.
- **Do not remove the protective film** until installation is complete.

2.1 Connecting the Network Cable

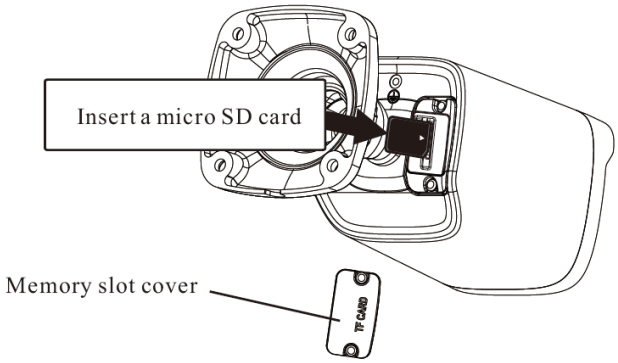


Note: If the RJ 45 connector of the network cable has a jacket and cannot be threaded through the kit, remove the jacket. If the jacket cannot be removed, cut off the connector and install an RJ 45 connector without the jacket.

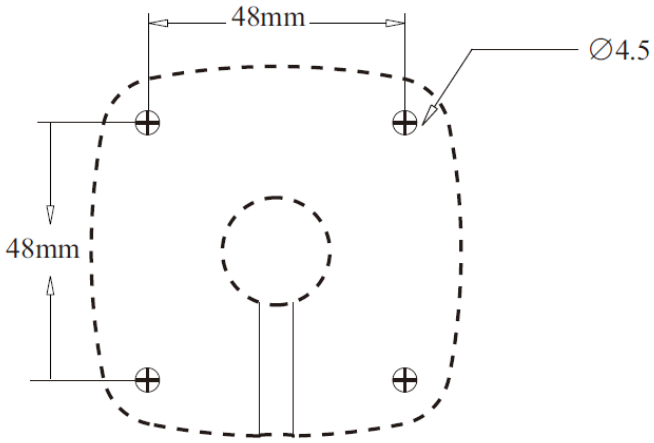
2.2 GV-GBLF2802 Installation

Please make sure that the wall or ceiling is strong enough to withstand 3 times the weight of the camera. Please install and use the camera in the dry environment.

1. Install a microSD card as needed. Remove the memory slot cover from the camera by loosening the two screws and then install a microSD card. After that, re-install the memory slot cover.

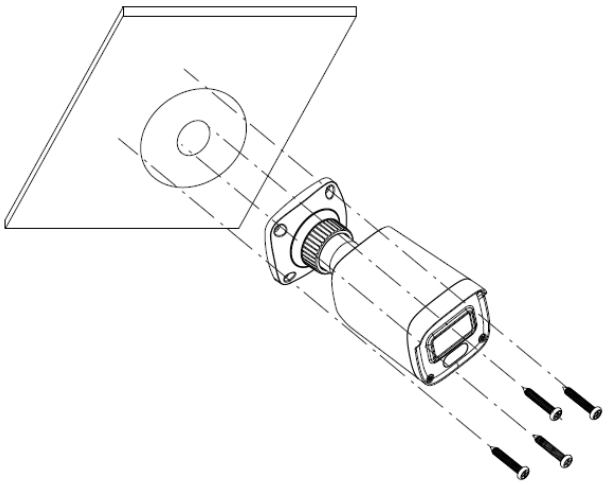


2. Attach the drill template to the place where you want to fix the camera and then drill the screw holes and the cable hole on the wall according to the drill template.

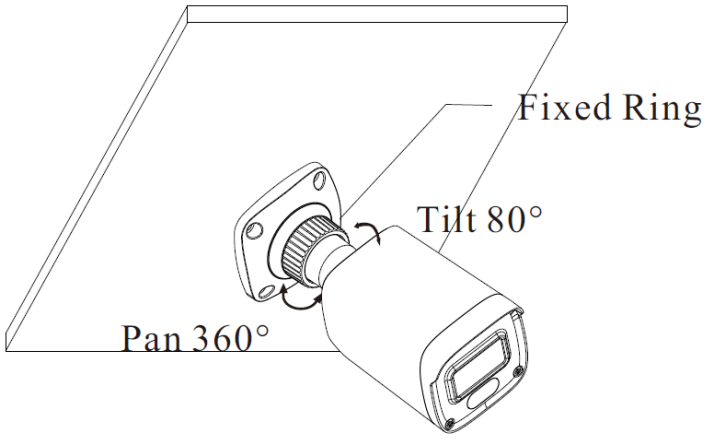


3. Route and connect the cables.

4. Secure the mounting base with camera to the wall with screws as shown below.



5. Bracket adjustment. Before adjustment, preview the image of the camera on a monitor and then loosen the fixed ring to adjust the viewing angle of the camera.

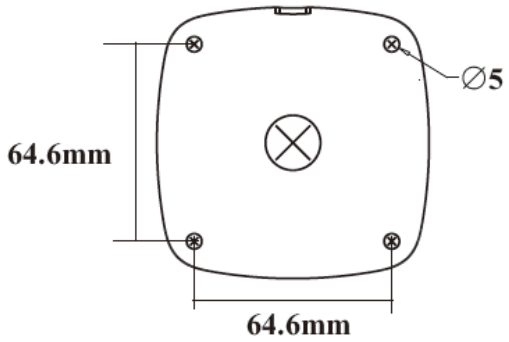


6. Tighten the fixed ring after the adjustment.

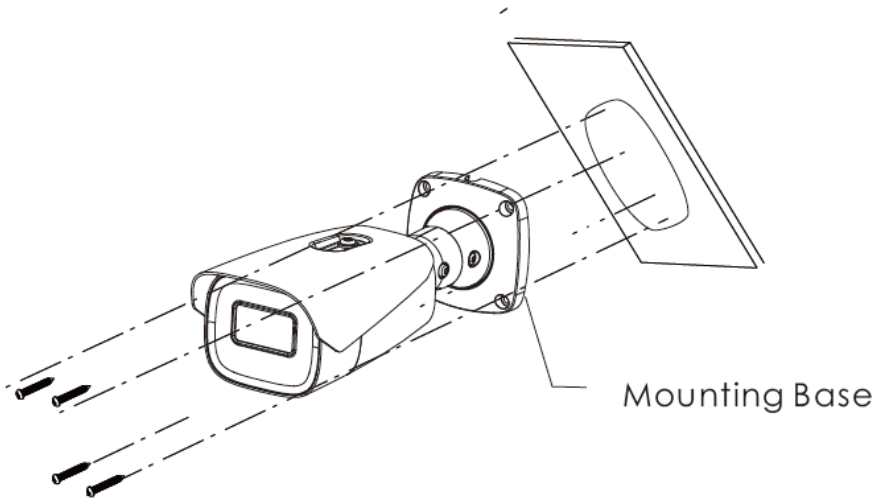
2.3 GV-GBL12811 Installation

Please make sure that the wall or ceiling is strong enough to withstand 3 times the weight of the camera. Please install the camera in a dry environment. You should reinstall the cover of the camera less than 4 hours after removing it.

1. Drill the screw holes and the cable hole (if you want to route through the ceiling) on the wall or ceiling according to the drill template.

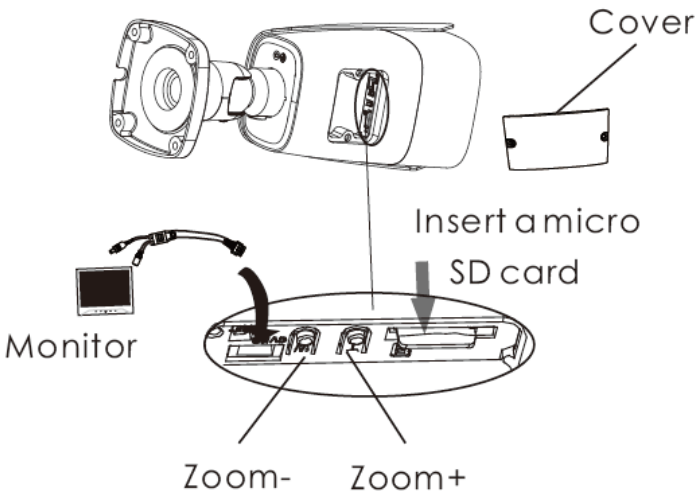


2. Route the cables and connect the relevant cables.
3. Fasten the mounting base to the wall with the screws provided.

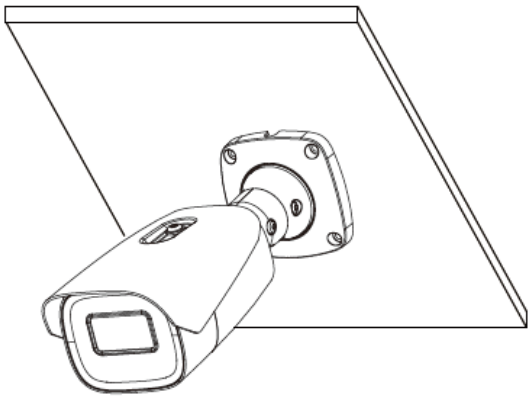


4. Bracket adjustment. Before adjustment, preview the image of the camera on a monitor (see the figure of step 5) and then loosen the lock screws to adjust the view angle of the camera. After that, tighten the lock screws.

5. Open the cover of the camera as shown in the following figure and then insert a microSD card. After that, press the T or W button to obtain an optimum image. Before adjustment, view the image of the camera on a monitor.



6. Install the cover back to the camera and secure it firmly with the screws.



Note: Please install the cover back in the same way you disassemble it, in case the sealing performance is affected.

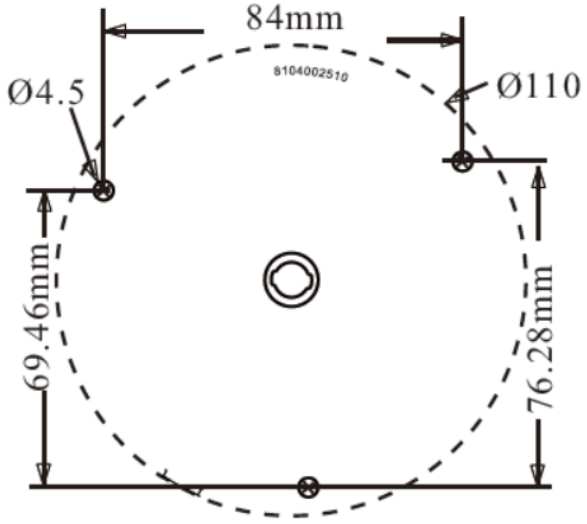
2.4 GV-GDR2801 Installation

Please make sure that the wall or ceiling is strong enough to withstand 3 times the weight of the camera. Please install the camera in a dry environment. You should reinstall the cover of the camera less than 4 hours after removing it.

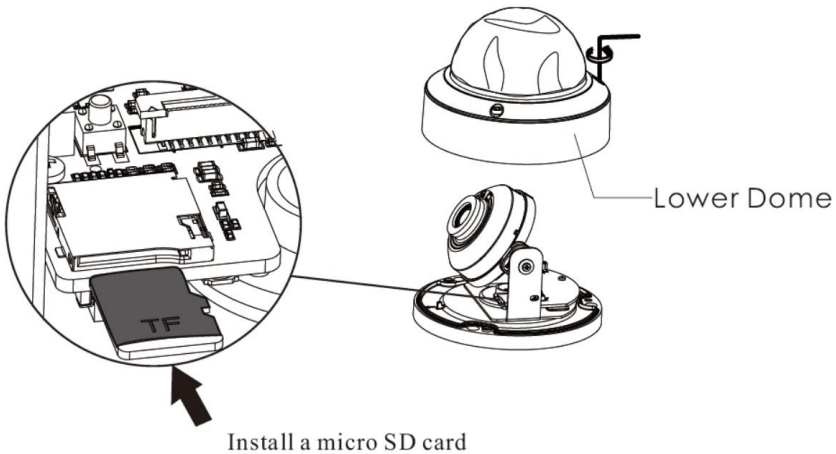
IMPORTANT:

You must wear anti-static gloves or discharge static electricity before removing the lower dome (bubble).

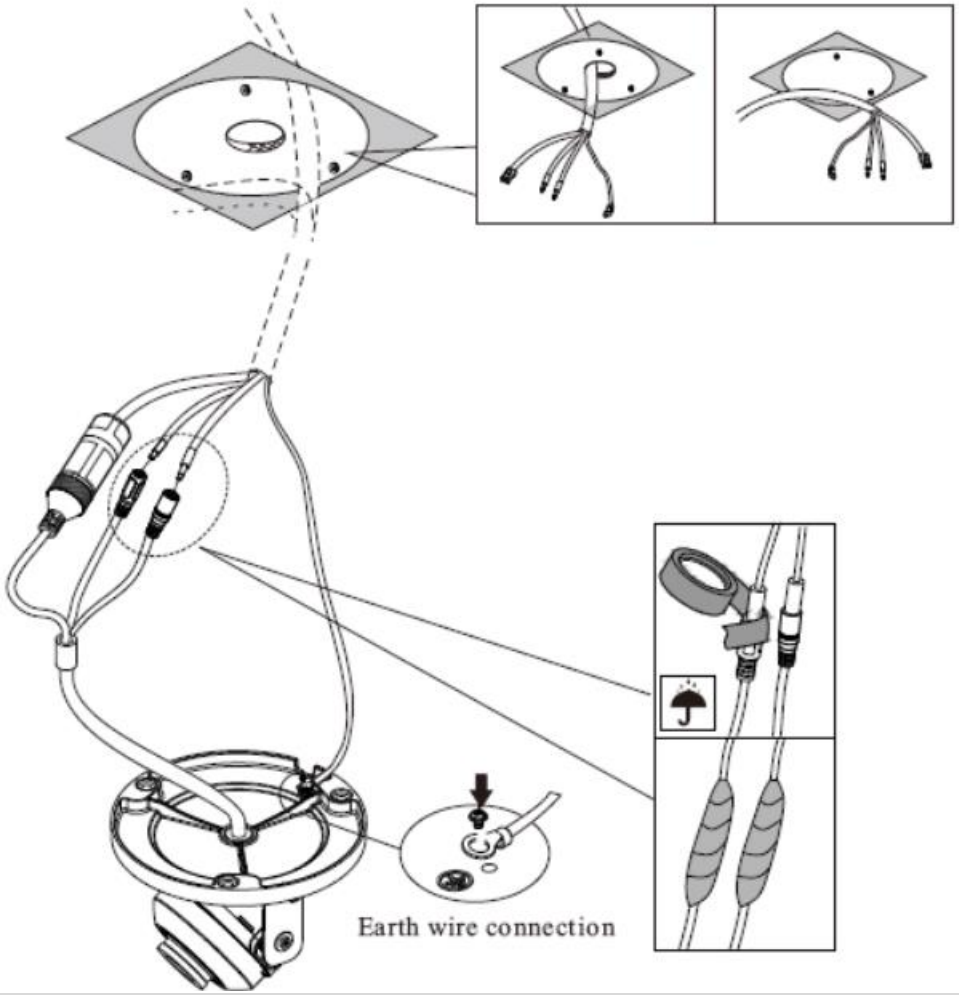
1. Attach the drill template to the place where you want to fix the camera and then drill the screw holes and the cable hole on the wall according to the drill template.



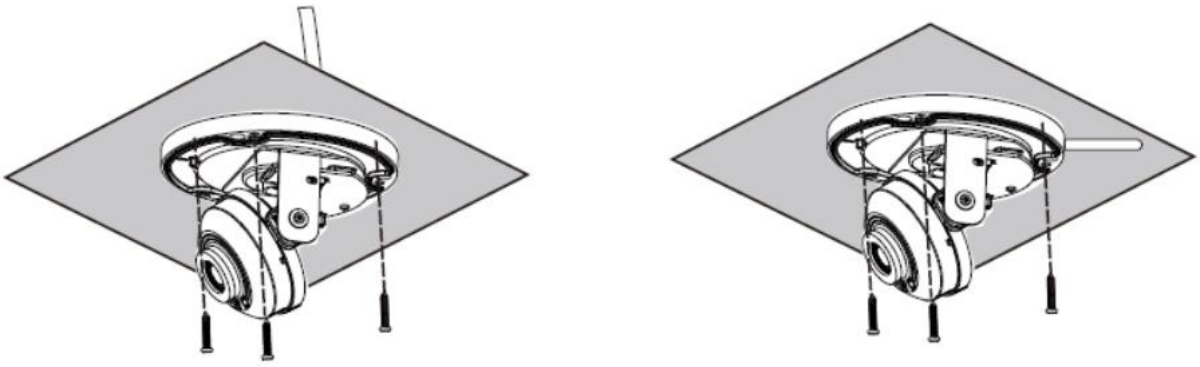
2. Loosen the screws to remove the lower dome from the camera.



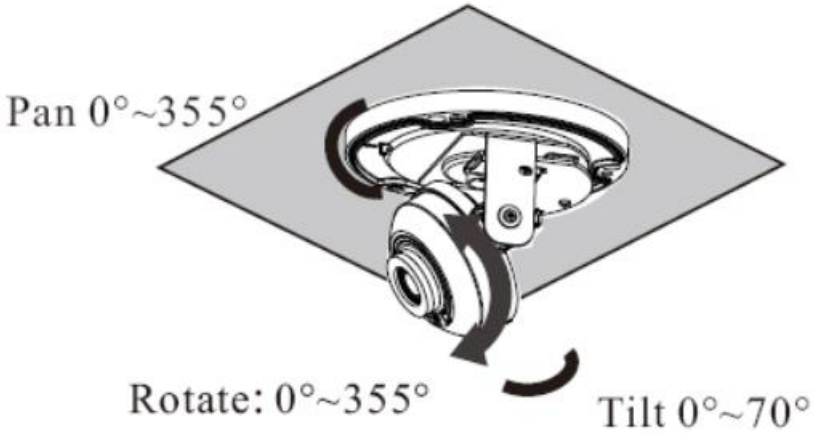
3. Route and connect the cables.



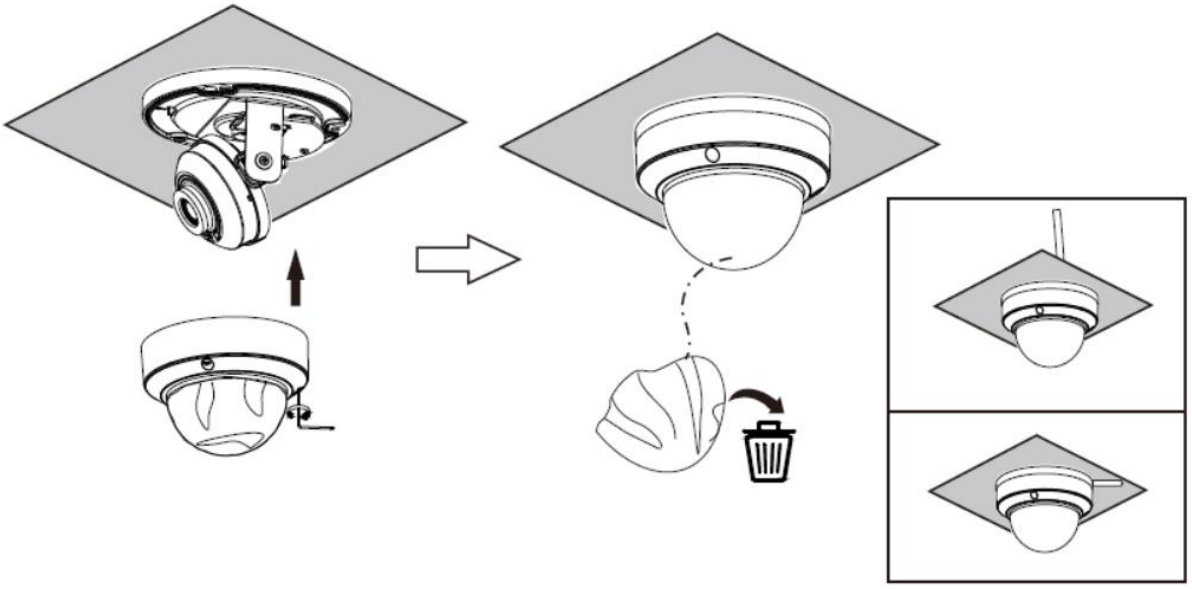
4. Secure the camera to the ceiling or wall with the screws provided.



5. Three-axis adjustment. Before adjustment, preview the image of the camera on a monitor and then adjust the camera according to the figure below to get an optimum angle.



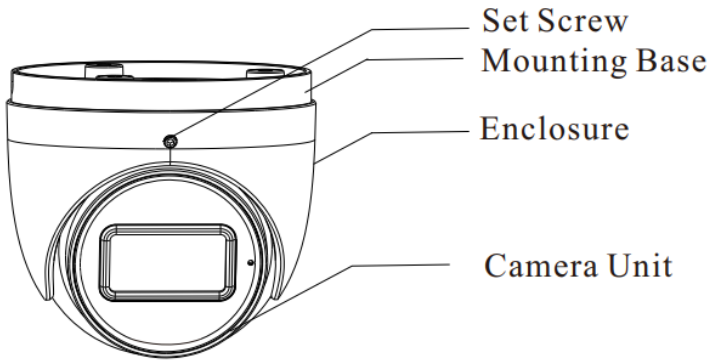
6. Install the lower dome back to the camera and fasten it with screws. Finally, remove the protection film softly.



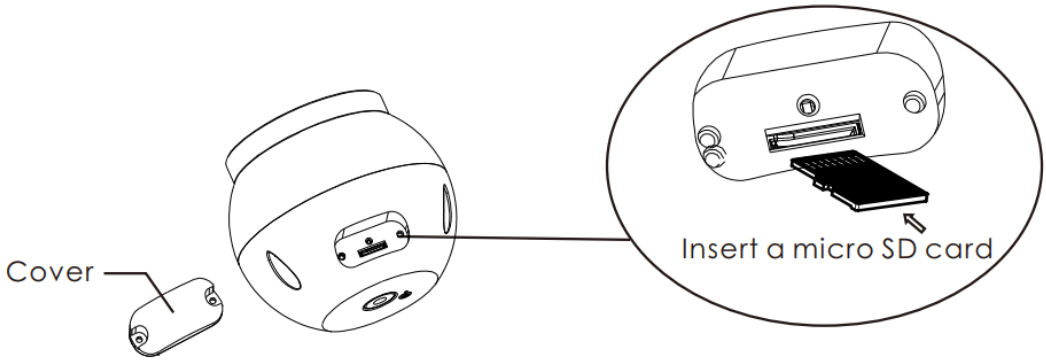
2.5 GV-GEBF2802 Installation

Please make sure that the wall or ceiling is strong enough to withstand 3 times the weight of the camera. Please install the camera in a dry environment. You should reinstall the cover of the camera less than 4 hours after removing it.

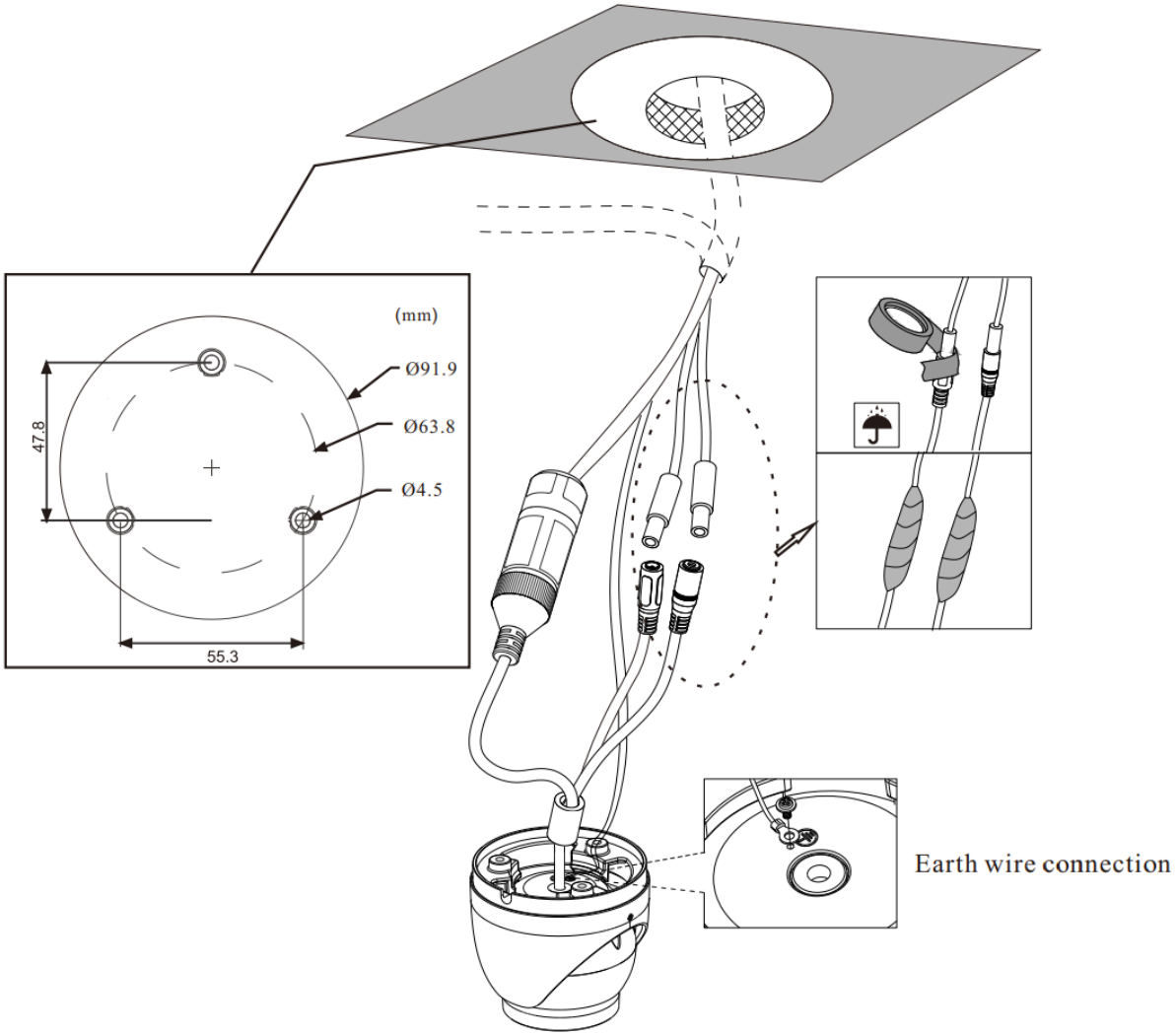
1. Loosen the set screw to disassemble the camera.



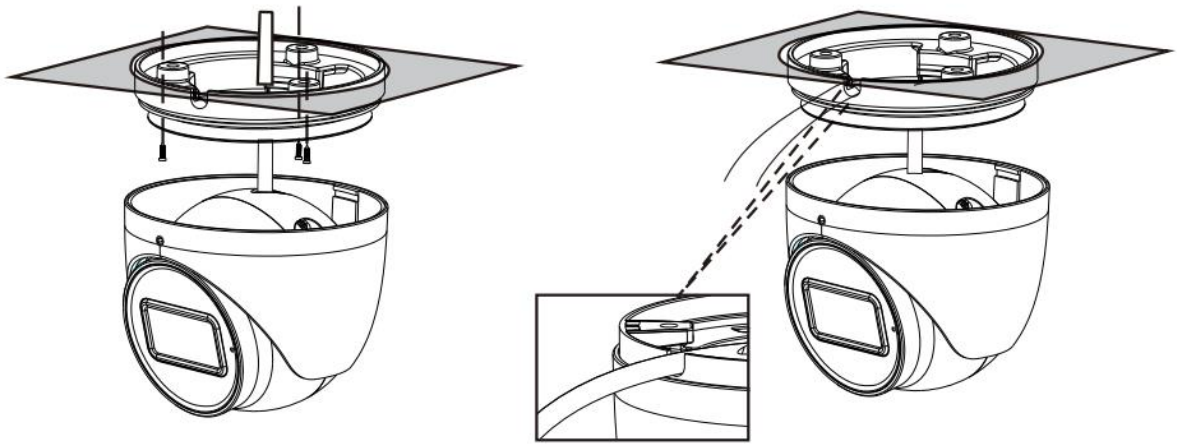
2. Unscrew the cover of the camera unit and then insert a microSD card. After that, install back the cover and make sure the cover is installed firmly.



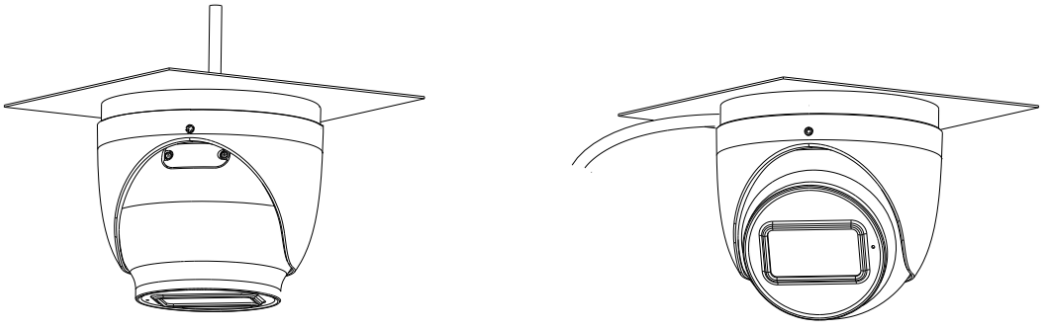
3. Drill the screw holes and the cable hole on the ceiling according to the drill template. Then route and connect the cables.



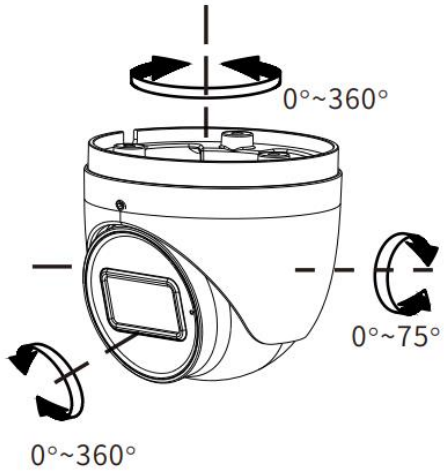
4. Secure the mounting base to the ceiling or wall with the screws provided.



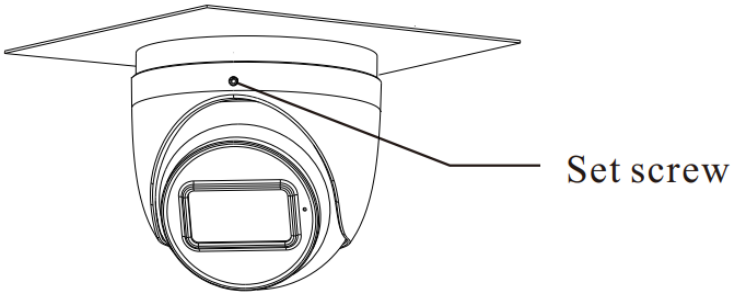
5. Install the camera unit and enclosure to the mounting base.



6. Adjust the camera unit to obtain an optimum viewing angle.



7. Finally, fasten the camera with the set screw.



3. Accessing the Network Camera

3.1 Looking Up the Dynamic IP Address

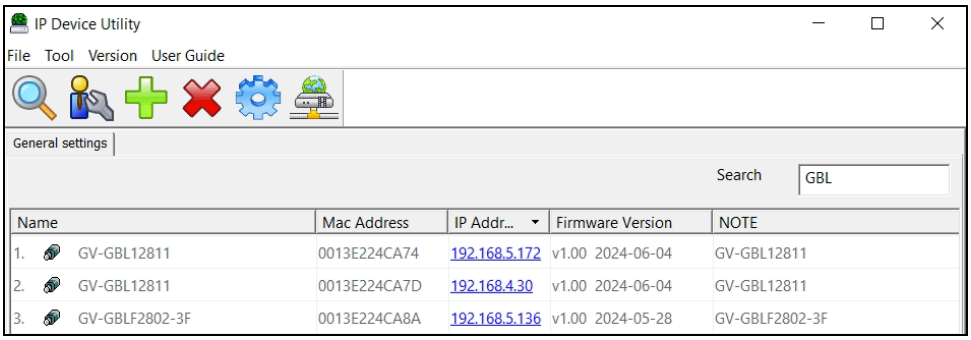
By default, when the camera is connected to a LAN with the DHCP server, it is automatically assigned with a dynamic IP address. Follow the steps below to look up its IP address.

Note:

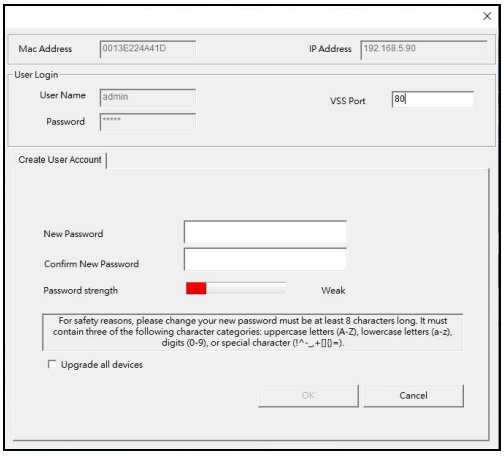
1. By default, the Administrator's username is **admin** and cannot be modified.
2. This function is only applicable on GV-IP Device Utility V8.9.8 or later.

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1. Make sure the PC used to configure the IP address is under the same LAN as the camera. Download and install **GV-IP Device Utility** from the company website.
2. On the GV-IP Utility window, click the button to search for IP devices connected to the same LAN. To sort, click the **Name** or **Mac Address** column.
3. Find the camera with its Mac Address, and click on its IP address.



4. For first-time users, you are requested to create a password.



5. Type a new password and click **OK**.
6. Click its IP address on the Utility window again and select **Web Page** to access its Web interface.
7. Type the set password on the login page and click **Login**.

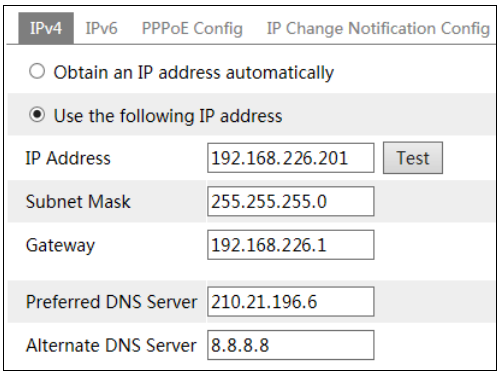
Note:

1. The Administrator's default username is admin and cannot be modified.
2. To change the password using GV-IP Device Utility, click on the camera's IP address, and select Configure > Change Password. Alternatively, you can change the password on the camera's Web interface by clicking **Config→Security→User**.

3.2 Configuring the IP Address

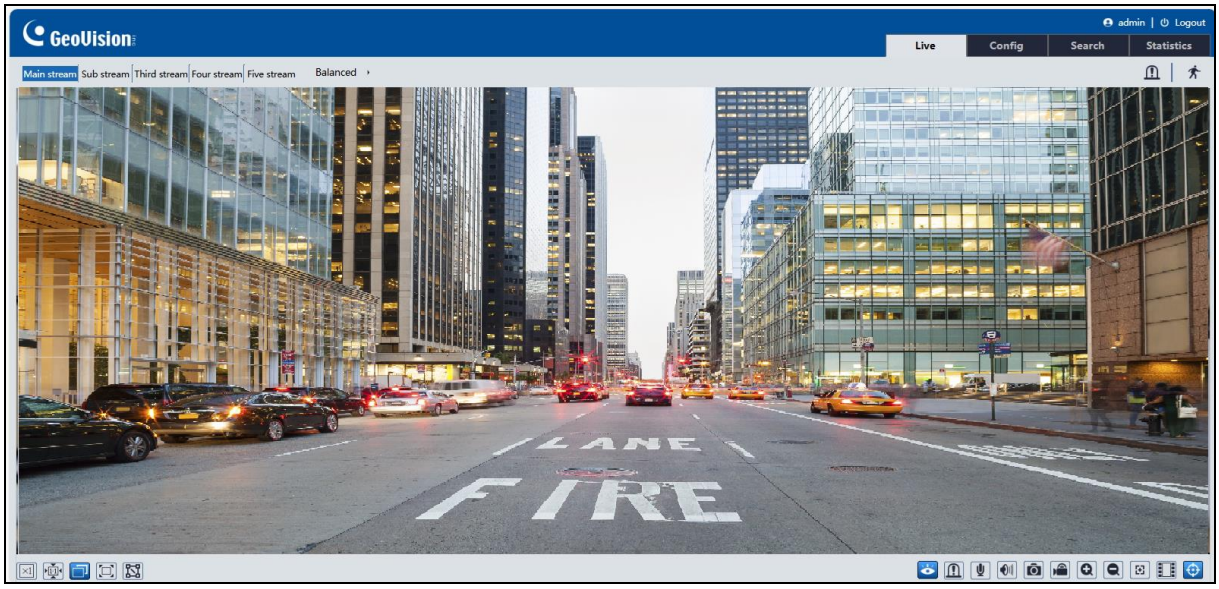
If the camera is connected to a LAN without a DHCP server, the default IP address will be **192.168.0.10**. Follow the steps below to modify the IP address to avoid IP conflict with other GV-IP devices on the same LAN.

1. Open your Web browser, and type the default IP address **192.168.0.10**.
2. Type the default username **admin** and a password. Click **Login**.
3. Go to **Config** > **Network** > **TCP/IP** to set the IP address.
4. Select **Use the following IP address** and enter the static IP address and other parameters.



4. The Web Interface

Once you log in the Web interface, you will see the live view as shown below.



Icon	Description	Icon	Description
	Original size		Sensor alarm indicator (only applicable to **GV-GBL12811**)
	Fit correct scale		Motion alarm indicator
	Auto (fill the window)		Color abnormal indicator
	Full screen		Abnormal clarity indicator
	Measure Tool		Scene Change indicator
	Start/stop live view		Audio exception indicator (only applicable to **GV-GBL12811**)
	Enable/disable alarm output (only applicable to **GV-GBL12811**)		Alarm output indicator (only applicable to **GV-GBL12811**)
	Enable or disable audio alarm (only applicable to **GV-GBL12811**)		Audio alarm indicator (only applicable to **GV-GBL12811**)
	Start/stop two-way audio (only applicable to **GV-GBL12811**)		Line Crossing indicator
	Enable/disable audio		Region Intrusion indicator
	Snapshot		Region Entrance indicator (only applicable to **GV-GBL12811**)

Icon	Description	Icon	Description
	Start/stop local recording		Region Exiting indicator (only applicable to **GV-GBL12811**)
	Zoom in		Face detection indicator (only applicable to **GV-GBL12811**)
	Zoom out		Target Counting by Line indicator (only applicable to **GV-GBL12811**)
	AZ control (only available for the model with motorized zoom lens)		Target Counting by Area indicator (only applicable to **GV-GBL12811**)
	Face capture (when face event is selected) (only applicable to **GV-GBL12811**)		Object detection indicator (object Abandoned/Missing)
	Video metadata (when smart event is selected) (only applicable to **GV-GBL12811**)		Heat map indicator (only applicable to **GV-GBL12811**)
	Rule information display		Loitering detection indicator (only applicable to **GV-GBL12811**)
	PTZ control (only applicable to **GV-GBL12811**)		Illegal parking detection indicator (only applicable to **GV-GBL12811**)
	SD card recording indicator		Video metadata indicator (only applicable to **GV-GBL12811**)

Note: The features described in the above table vary among camera models and versions. Some features may not be available in your camera. **GV-GBLF2802**, **GV-GDR2801**, and **GV-GEBF2802** only support the following two Event configurations:

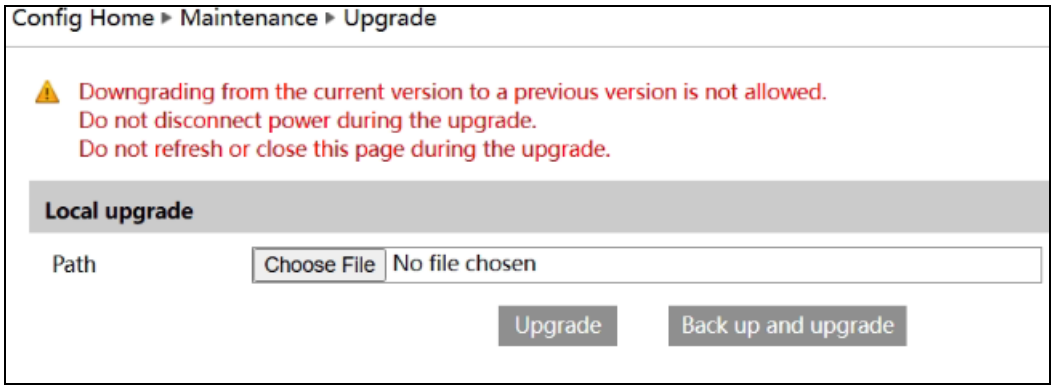
1. Line Crossing
2. Region Intrusion

For detailed information, see *Chapter 2 Live View* in the user's manual.

5. Upgrading System Firmware

GeoVision periodically releases updated firmware on the company website. To load the new firmware into the camera, follow the instructions below.

1. On the Web interface, click **Config** > **Maintenance** > **Upgrade.**



2. Click **Choose File** to locate the firmware file saved at your local computer.
3. Click the **Upgrade** or **Backup and upgrade** button to start upgrading the firmware.
4. Enter the password and the camera will restart automatically.

If “Back up and upgrade” is selected, the configuration file will be exported to your local PC before starting upgrading

Note: Do not close the browser or disconnect the camera from the network during the upgrade.

6. Restoring to Factory Default

If for any reason the camera is not responding correctly, you can restore the camera back to its factory default settings using the Web interface or the Load Default Button.

On the Camera

1. Find the **Reset** button on the camera (see *1. Overview* in the Quick Start Guide).
2. Press and hold the button for more than 10 seconds to restore to the factory default setting.

On the Web Interface

1. On the Web interface, click **Config** >**Maintenance** > **Backup & Restore**.
2. Click **Restore Factory Settings** and then verify the password to restore all system settings to the default factory settings. Or, select **Restore Default Parameters** to restore default settings *without resetting passwords.* You can also select **Keep Image Configuration** to retain the current image settings.

