



Quick Start Guide

GV-Fisheye IP Camera GV-FE420 / GV-FE110



Thank you for purchasing GV-Fisheye IP Camera. This guide is designed to assist the new user in getting immediate results from the GV-Fisheye IP Camera. For advanced information on how to use the GV-Fisheye IP Camera, please refer to *GV-Fisheye IP Camera User's Manual* on Software DVD.

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2010/12
English

FE110420-QA-A

1 Introduction

Welcome to the *GV-Fisheye IP Camera Quick Start Guide*. In the following sections, you will learn the basic installations and configurations of GV-Fisheye IP Camera. For the detailed user manual, see the *GV-Fisheye IP Camera User Manual* on the GV-Fisheye IP Camera Software DVD.

Packing List

- Camera Body



- Support Bracket x 3



- Screw
(Hard Ceiling Mount) x 3



- Screw
(In-Ceiling Mount) x 3



- Security Torx



- Camera Cover
(Hard-Ceiling Mount)



- Camera Cover
(In-Ceiling Mount)



- Plastic Screw Anchor x 3



- 3-Pin Terminal Block
- GV-Fisheye IP Camera Software DVD
- DC 12V Power Adaptor
- Installation Sticker
- GV-NVR Software DVD
- GV-NVR Quick Start Guide

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Hardware Installation

The GV-Fisheye IP Camera is designed to be mounted on the ceiling, wall or ground. There are two ways to mount the camera on the ceiling, **Hard Ceiling Mount** and **In-Ceiling Mount**. Make sure the ceiling has enough strength to support the fisheye camera.



Hard Ceiling Mount



In-Ceiling Mount



Wall Mount

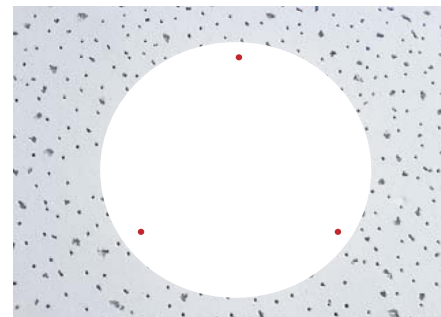


Ground Mount

Note: The fisheye camera is designed for indoor use only.

Hard Ceiling Mount

1. Place the installation sticker on the ceiling board. The 3 red dots indicate the location of the screws.



2. At the 3 red dots, drill a hole slightly smaller than the plastic screw anchors provided.
3. Insert the 3 plastic screw anchors in the drilled holes.
4. Secure the fisheye camera with the 3 hard ceiling mount screws provided.



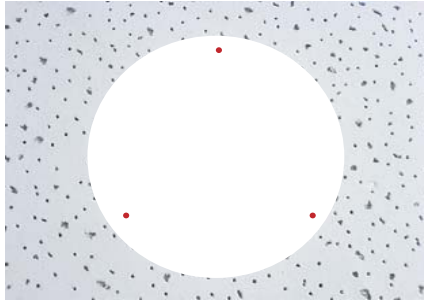
5. Place the camera cover for hard ceiling mount on top of the camera and tighten the screws with the security torx provided.



In-Ceiling Mount

In-Ceiling Mount allows the GV-Fisheye IP Camera to be mounted into the ceiling, revealing a small portion of the camera. In-Ceiling Mount requires the ceiling board to be between 0.5 – 3.0 cm (0.2 – 1.18 in).

1. Place the installation sticker on the ceiling board, and cut the circle part out of the ceiling.



2. Align the 3 support brackets with the holes on the back of the camera and secure using the in-ceiling mount screws provided.



3. Place the fisheye camera into the ceiling opening.



4. On the back side, make sure the black plastic clips are slightly above the ceiling board and pointing outward.



5. From the front side of the camera, tighten the screws.
6. Place the camera cover for in-ceiling mount on top of the camera and tighten the 3 screws.



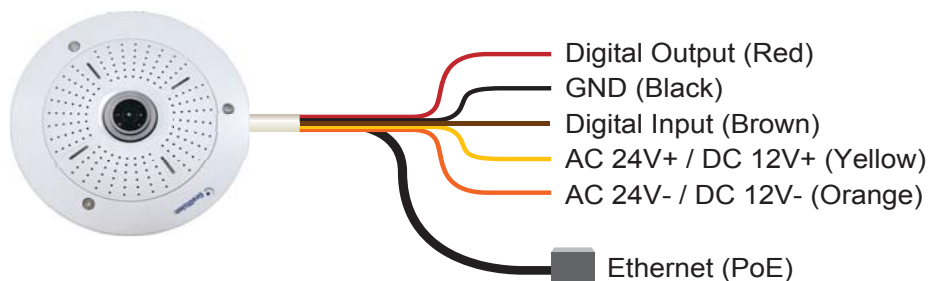
Wall Mount and Ground Mount

To mount the camera on a wall, follow the instructions in *Hard Ceiling Mount*. For ground mount, simply place the camera on a flat surface such as a conference table.

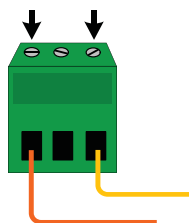
Hint: Mount the fisheye camera in the middle of the wall to have an excellent overview. Or ensure the camera is focused on the most important areas of the room as directly as possible to have the desired detailed recognition.

3 Connecting the Power Cables

You can use a Power over Ethernet (PoE) adaptor to connect the GV-Fisheye IP Camera on the network, and the power will be provided over the network cable. Alternatively, you can use a standard network cable to connect the camera to your network, and then follow the steps below to connect to power using the 5-pin data cable and the power adaptor provided.



1. Insert the yellow wire to the pin on the right-side of the terminal block and the orange wire to the pin on the left-side of the terminal block.
2. Use a small flat-tip screwdriver to secure the screws above the pins.



3. Connect the DC 12V Power Adaptor to the 3-Pin Terminal Block.



4 Accessing the GV-Fisheye IP Camera

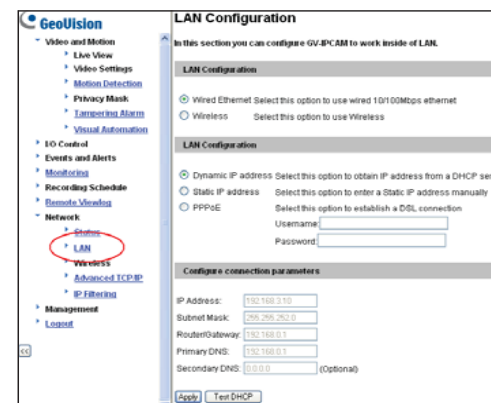
Once installed, your GV-Fisheye IP Camera is accessible on a network. Make sure your PC has good network connection, and meet this system requirement:

- Microsoft Internet Explorer 7.x or later

Note: If you are using Microsoft Internet Explorer 8.0, additional settings are required. Please refer to *Settings for Internet Explorer 8*, Appendix A, *GV-Fisheye IP Camera User Manual*.

Follow these steps to assign an IP address for the camera and access the Web interface:

1. Open your web browser, and type the default IP address: <http://192.168.0.10>. The computer must be under the same network as the camera.
2. In both Login and Password fields, type the default value **admin**. Click **Apply**.
3. In the left menu, select **Network** and then **LAN** to begin the network settings.



4. Select **Static IP address**. Type IP Address, Subnet Mask, Router/Gateway, Primary DNS and Secondary DNS in the **Configure connection parameters** section.
5. Click **Apply**. The camera is now accessible by entering the assigned IP address on Internet Explorer 7.x or later.
6. To enable the updating of images in Microsoft Internet Explorer, you must set your browser to allow ActiveX Controls and perform a one-time installation of GeoVision's ActiveX component onto your computer.

IMPORTANT:

- **Dynamic IP Address** and **PPPoE** should only be enabled if you know which IP address the camera will get from the DHCP server or ISP. Otherwise, you must use the Dynamic DNS service to obtain a domain name linked to the camera's changing IP address first.
- If **Dynamic IP Address** and **PPPoE** is enabled and you cannot access the camera, you may have to reset it to the factory default settings and then perform the network settings again. Refer to section 7 to see how to restore to factory default settings.



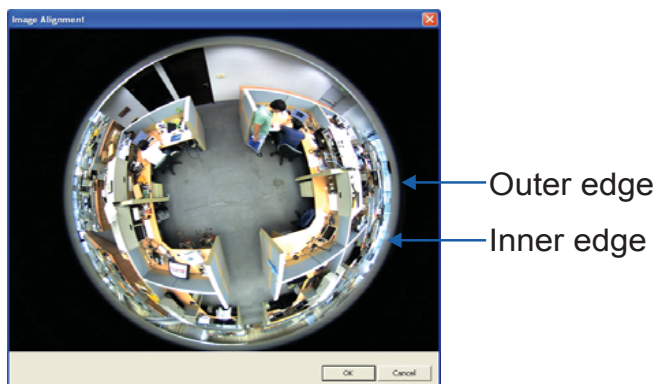
No.	Name	Function
1	Play	Plays live video.
2	Stop	Stops playing video.
3	Microphone	Listens to the audio around the camera.
4	Speaker	Talks to the surveillance area from the local computer.
5	Snapshot	Takes a snapshot of live video.
6	File Save	Records live video to the local computer.
7	Full Screen	Switches to full screen. Right-click the image to see additional options.
8.	I/O Control	Enables the I/O Control Panel or the Visual Automation.

No.	Name	Function
9	Show System Menu	Brings up these functions: Alarm Notify, Video and Audio Configuration, Remote Config, Show Camera Name and Image Enhance .
10	Control Panel	Displays the camera information, video settings, audio data rate, I/O device status, images captured upon alarm, and GPS location of the camera. Also allows you to adjust image quality and install the program from the hard drive.

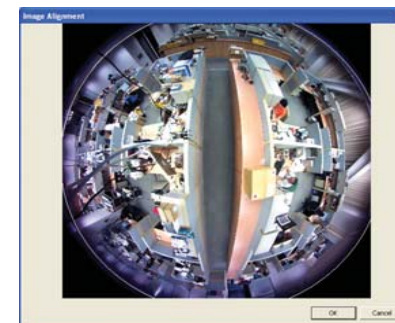
Fisheye View

To enable the fisheye options, right-click the live view image and select **Geo Fisheye**. Right-click the image again and select **Fisheye Option** to see the following options.

- **Image Alignment:** By default, the image should be properly aligned already. If not, follow the steps below to align the image for each model:
 - **GV-FE110 (firmware V1.06):** Align the dotted circle with the outer edge of the camera image, and then align it with the inner edge of the image frame to achieve optimal results.



- **GV-FE420:** Align the white circle with the edge of the camera image. You can eliminate the darker areas toward the edge of the image by making the white circle smaller, but the field of view will be slightly reduced.



Note: The circular source image of GV-FE420 should be centered and slightly cropped on all four edges. If the image is not centered, please contact your sales representative and send your device back to GeoVision for adjustment. Refer to Chapter 3, *GV-Fisheye IP Camera User's Manual* to see how to determine if your device needs adjustment or not.

- **Camera Modes:** You can choose among four view modes.
 - **Quad view:** Composed of four PTZ views.
 - **360 degree:** Composed of two PTZ views and one 360° panoramic view.
 - **Dual 180 degree:** Composed of two 180° views.
 - **Single view:** Composed of one PTZ view.



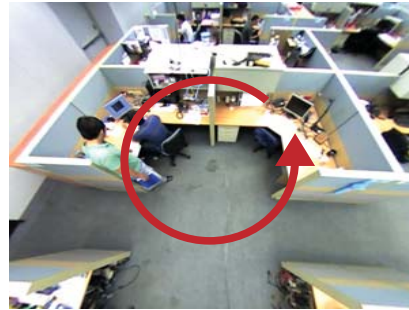
Quad view: 4 PTZ views



360 degree: 2 PTZ & 1 360° views



Dual 180 degree: 2 180° views



Single view: 1 PTZ view

Note: When wall mount is selected for Camera Position, only one 180° view will be displayed.

- **Camera Position:** Select **Ceiling**, **Wall** or **Ground** according to where the camera is mounted.
- **Adjust AutoPan Speed At Top-Left Channel:** Select low, medium, or high speed to enable Auto Pan for one PTZ view at the rotation speed of your choice. This option applies to **Quad view**, **360 degree** and **Single view**.
- **Zoom:** Select **Zoom In** or **Zoom Out** and then click on the image.
- **Show Source Video At Top-Right Channel:** Shows the circular source image in the top-right quadrant when **Quad view** is selected.
- **Fisheye Settings:** The following settings are available.
 - **Frame Rate Control:** You can set the frame rate of the live view.
 - **Screen Ratio Setting:** Select a ratio that best fits the display ratio of your computer.

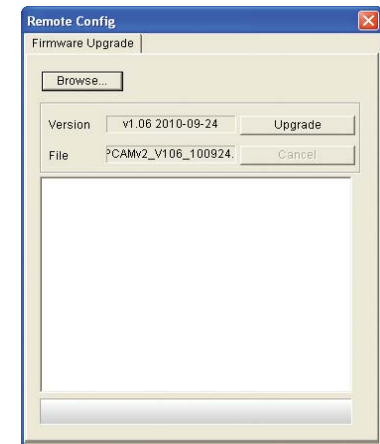
You can drag and drop the PTZ view or 180° view to adjust the viewing angle.

GeoVision will periodically release updated firmware on the website. To load the new firmware into the GV-Fisheye IP Camera, read the important notes and then follow the instructions below.

IMPORTANT:

- 1 While the firmware is being updated,
 - A. the power supply must not be interrupted, and
 - B. do not unplug the Ethernet cable if the cable is the source of power supply (Power over Ethernet or PoE supported).
2. Do not turn the power off for 10 minutes after the firmware is updated.
3. If you use the IP Device Utility for firmware upgrade, the computer used to upgrade firmware must be under the same network of the camera.

1. In the Live View window, click the **Show System Menu** button  on the right and select **Remote Config**.
2. Click the **Browser** button to locate the firmware file (.img) saved at your local computer.
3. Click the **Upgrade** button to process the upgrade.



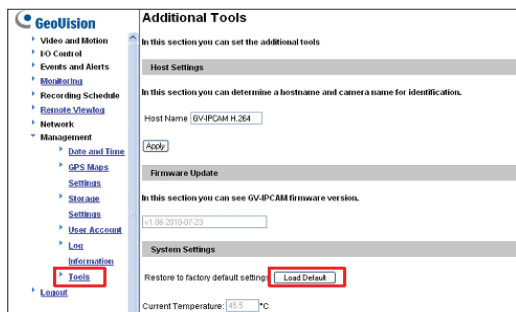
WARNING: The interruption of power supply during updating causes not only update failures but also damages to your camera. In this case, please contact your sales representative and send your device back to GeoVision for repair.

7 Restoring to Factory Default Settings

You can restore the camera to factory default settings using the Web interface or directly on the camera.

Using the Web Interface:

1. In the left menu, select **Management** and select **Tools**.
2. Under the **System Settings** section, click the **Load Default** button.

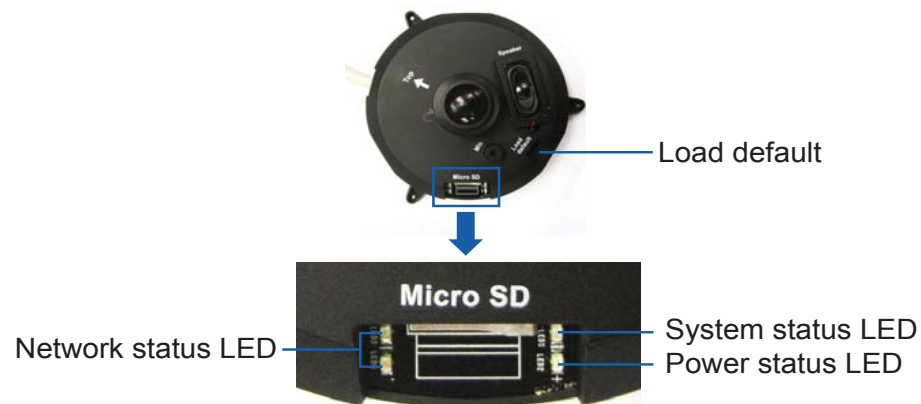


Directly on the Camera:

1. Unplug the power cable and the network cable.
2. Remove the outer shell of the camera by unscrewing the three screws indicated in the figure and then removing the outer shell of the camera.



3. Use a pointy object such as the tip of a pen to hold down the **Load default** button labeled below while plugging back the power cable and the network cable.



4. Wait until the network status LED turns off momentarily to release the **Load default** button. This may take about 40 seconds.
5. The system status LED should turn back on.



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