GeoVision inc
The Vision of Security

Quick Start Guide

GV-Thermal IP Camera

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

TMV10-QG-B

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

[Warranty]

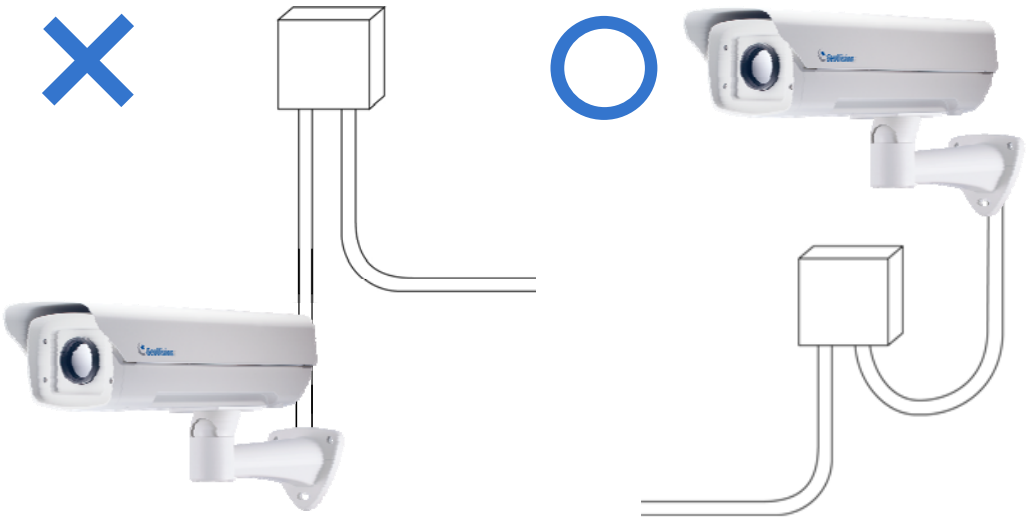
[Technical Support Policy]

Contents

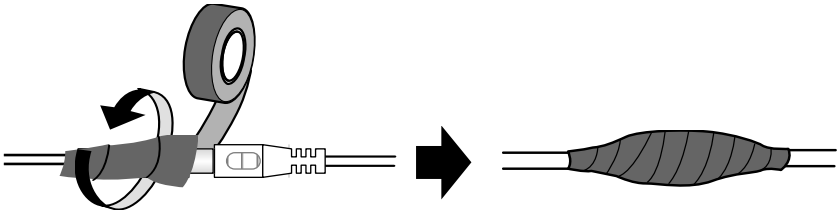
Note for Installing Camera

When installing, 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 and power cables are waterproofed using waterproof silicon rubber or the like.



3. The screws are tightened and the cover is in place after opening the camera cover.

Optional Accessories

Optional devices can expand the capabilities and versatility of your camera. Contact your dealer for more information.

Name	Details
GV-PA191 PoE Adapter	The GV-PA191 PoE adapter is designed to provide power and network connection to the cameras over a single Ethernet cable.
GV-POE Switch	The GV-POE Switch is designed to provide power along with network connection for IP devices. The GV-POE Switch is available in various models with different numbers and types of ports.

1. Introduction

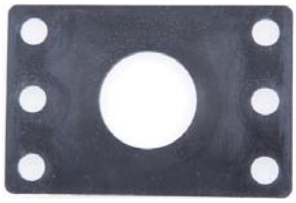
Welcome to the *GV-TM0100 Quick Start Guide*. In the following sections, you will learn the basic installations and configurations of GV-TM0100. For a detailed user manual, see the *GV-TM0100 User's Manual* on the Software DVD.

1.1 Packing List

- GV-TM0100
- Supporting Rack

- Hex Key

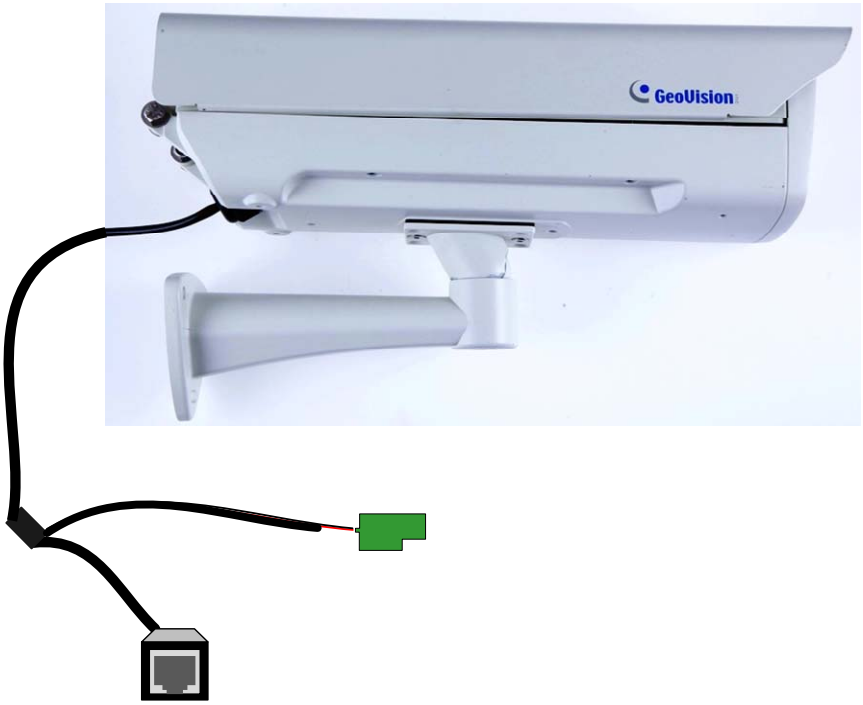
- Rubber Pad for Supporting Rack



- Phillips Cap Screw x 2

- Silica Gel Bag
- GV-IPCAM Software CD / DVD
- GV-Software DVD
- Warranty Card

1.2 Wire Definition



No.	Name	Function
1	RJ-45	Ethernet / PoE Connection
2	2-Pin Terminal Block	Power

2. Installation

2.1 Device Installation

GV-TM0100 can be mounted on the wall using the supplied support rack. Follow the steps below to install your camera.

1. Place the supporting rack on the wall, mark the locations of the three screw holes, and drill three holes on the wall.
2. Secure the supporting rack to the camera for wall mount.
   A. Place the rubber pad on either of the positions below at the base of the camera's housing.

   B. Attach the supporting rack to the rubber pad with the screws provided.

3. Secure the supporting rack to the wall using the self-prepared screws.

4. Connect the camera to power and network. See section 3 *Connecting the Camera*.
5. Access the live view.
6. Based on the live view, adjust the angle, zoom and focus of the camera. Loosen the indicated screw with the supplied hex key and adjust the joint.

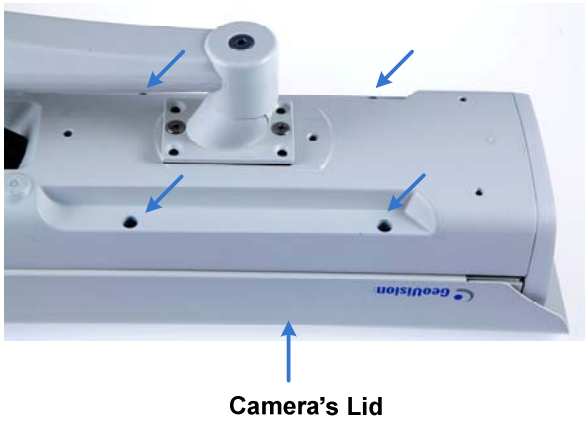
Tilt Adjustment

Pan Adjustment

2.2 Replacing the Silica Gel Bag

If you open the camera lid, you must replace the original silica gel bag with a new one.

1. Loosen the screws holding the camera's lid with a screwdriver.



2. Open the camera's lid and you will find a silica gel bag attached to the interior of the lid.

3. Remove the silica bag and place a new bag back to its original position.
4. Fasten the camera's lid within 2 minutes of replacing the silica gel bag.

IMPORTANT: The silica gel loses its effectiveness when the dry camera is opened. To prevent the lens from fogging up, replace the silica gel bag every time you open the camera and conceal the gel bag in the camera within two minutes of exposing to the open air.

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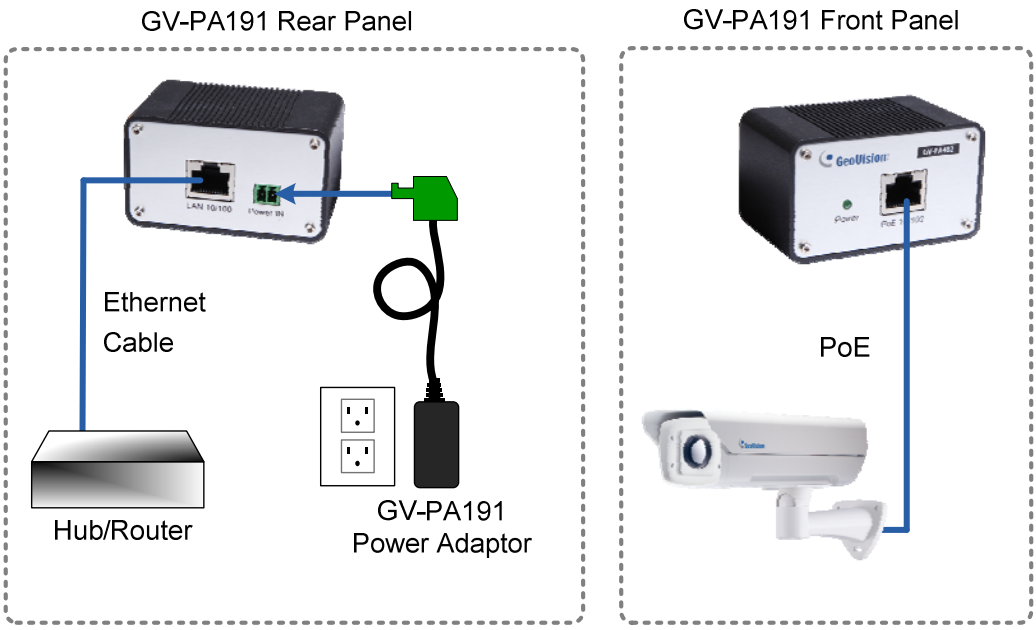
3. Connecting the Camera

GV-TM0100 can connect to power using either a 12V power adaptor or a PoE adaptor. Follow the steps below to connect your GV-TM0100 to power and network.

PoE Connection

Use an optional GV-PA191 PoE Adapter to connect the camera to the power and network at the same time. Two Ethernet cables are required for the connection.

1. Insert one end of the Ethernet cable into the **PoE 10/100** port on the GV-PA191. Connect the other end of the cable to your camera.
2. Insert one end of the second Ethernet cable into the **LAN 10/100** port on the GV-PA191. Connect the other end of the cable to the hub or router connecting to your computer.



3. Insert the supplied GV-PA191 power adaptor into the terminal block on the GV-PA191.
4. Connect the AC power cord to the power outlet.
5. When the Power LED on the front panel of the GV-PA191 turns green, you are ready to access the live view, adjust the image clarity and configure the basics. See *Getting Started*, Chapter 2, *GV-TM0100 User's Manual*.

Power Adapter Connection

Besides PoE connection, you can use an optional 12V power adaptor to connect the camera to the power.

1. Plug the 12V power adapter to the 2-pin terminal block on the camera.

2. Connect the DC power cord to a power source.
3. Use a standard network cable to connect GV-TM0100 to your network.

4. Accessing the Camera

4.1 System Requirements

To access the functions and settings of GV-TM0100 interface, ensure your PC uses one of the following web browsers.

Browser	• Microsoft Internet Explorer 7x or later • Mozilla Firefox • Safari

Compatible Software Version

Model	Firmware Version	GV-VMS Version
GV-TM0100	V1.0	V15.10.1.0 with patch files or later versions

4.2 Looking Up the Dynamic IP Address

By default, when GV-TM0100 is connected to LAN with a DHCP server, it is automatically assigned with a dynamic IP address. Follow the steps below to look up its IP address.

Note: The PC installed with GV-IP Device Utility must be under the same LAN with GV-TM0100.

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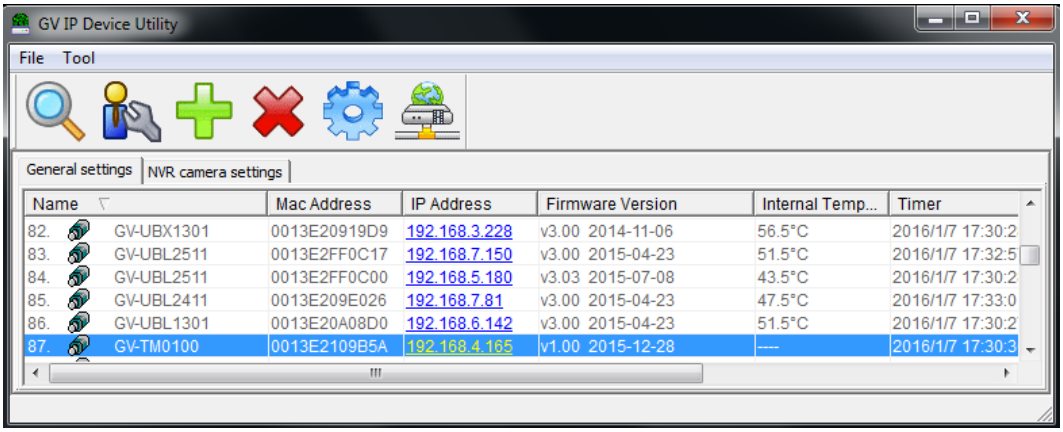
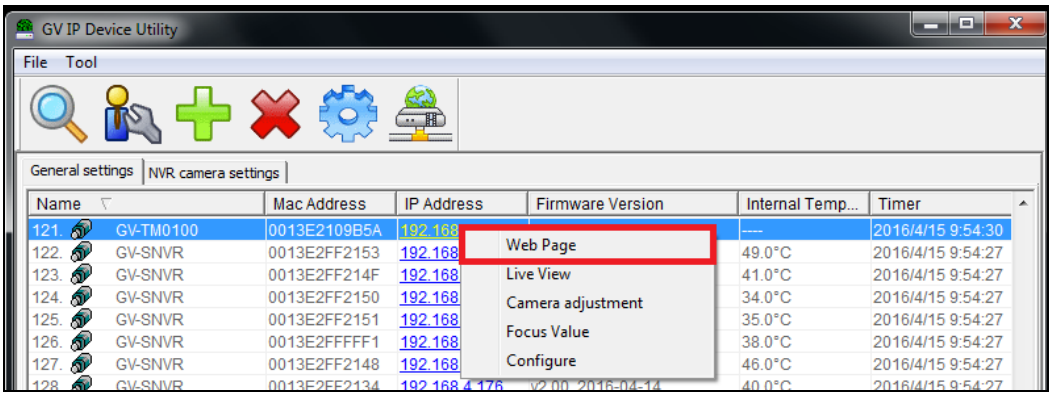
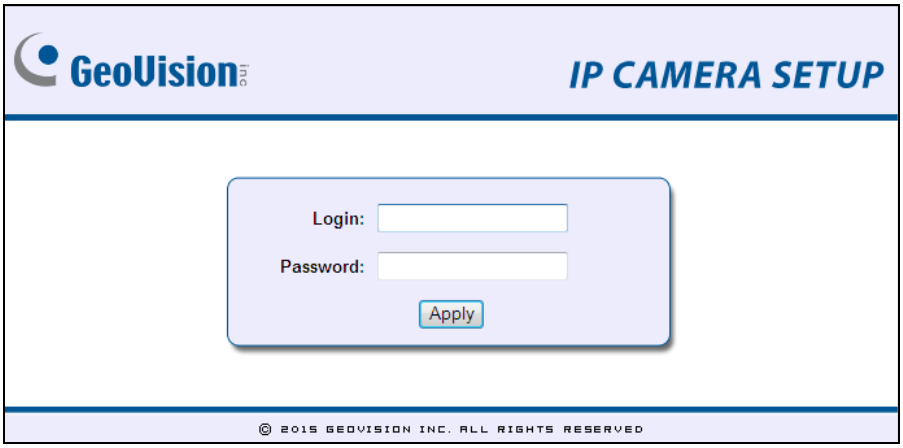
1. Install the GV-IP Device Utility program included on the Software DVD.
2. On the GV-IP Utility window, click the button to search for the IP devices connected in the same LAN. Click the **Name** or **Mac Address** column to sort.



3. Click on the IP address of **GV-TM0100** and select **Web Page**.



4. The login page appears.



5. Type the default ID and password **admin** and click **Apply** to login.

4.3 Configuring the IP Address

By default, GV-TM0100 connected to LAN without a DHCP server, is assigned with a static IP address of **192.168.0.10**.

Follow the steps below to assign a new IP address to avoid IP conflict with other GeoVision devices.

Note: If your router supports the DHCP server, GV-TM0100 will obtain a dynamic IP address from the DHCP server each time it connects to the LAN, instead of using 192.168.0.10.

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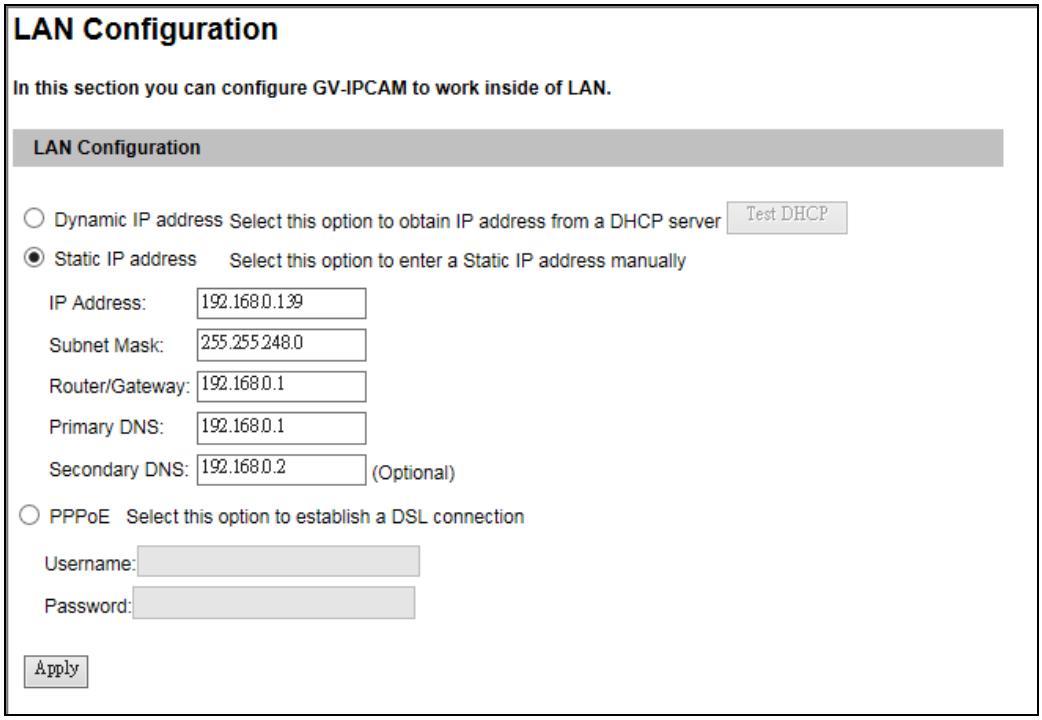
1. Open your web browser, and type the default IP address http://192.168.0.10
2. In both Login and Password fields, type the default value **admin**. Click **Apply**.
3. In the left menu, select **Network** and then **LAN** to begin the network settings.



4. Select **Static IP address**. Type the IP Address, Subnet Mask, Router/Gateway, Primary DNS and Secondary DNS.
5. Click **Apply**. GV-TM0100 is now accessible by entering the assigned IP address on the web browser.

Important:

1. If **Dynamic IP Address** or **PPPoE** is enabled, you need to know which IP address the camera will get from the DHCP server or ISP to log in. If your camera in installed in a LAN, use the GV-IP Device Utility to look up its current dynamic address. See *Checking the Dynamic IP Address*, Chapter 2, *GV-TM0100 User's Manual*.
   If your GV-TM0100 uses a public dynamic IP address, via PPPoE, use the Dynamic DNS service to obtain a domain name linked to the camera's changing IP address first. For details on Dynamic DNS Server settings, see *Advanced TCP/IP*, Chapter 4, *GV-TM0100 User's Manual.*
2. If **Dynamic IP Address** and **PPPoE** is enabled and you cannot access the unit, 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.

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5. The Web Interface

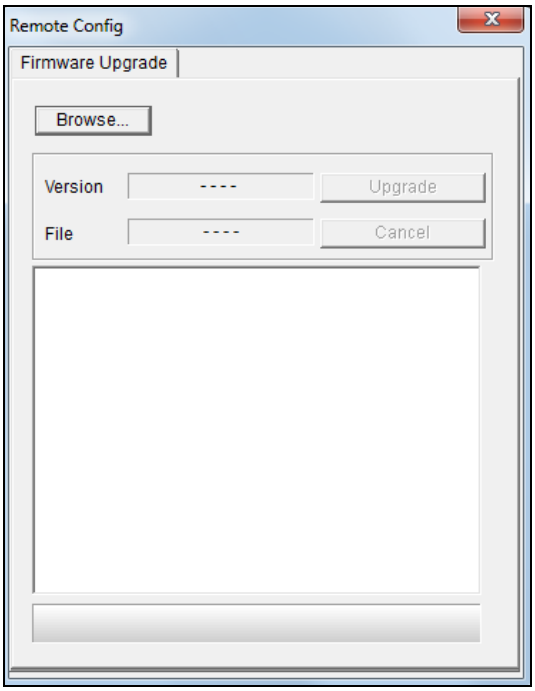
No.	Name	Function
1	Play	Plays live video.
2	Stop	Stops playing video.
3	Snapshot	Takes a snapshot of live video.
4	File Save	Records live video to the local computer.
5	Full Screen	Switches to full screen view. Right-click the image to have these options: **Snapshot**, **Resolution**, **Visual PTZ**, **Wide Angle Lens Dewarping**, **PIP** and **PAP**.
6	Show System Menu	Brings up these functions: **Alarm Notify**, **Video and Audio Configuration, Remote Config**, **Show Camera Name** and **Image Enhance**.
7	PTZ Control	Accesses the following functions - Zoom, Focus, and Image Quality Settings - Visual PTZ

For details, see Chapter 3, *GV-TM0100 User's Manual*.

6. Upgrading System Firmware

GeoVision periodically releases the updated firmware on the website. To load the new firmware into the GV-TM0100, follow the instructions below.

1. In the Live View window, click the **Show System Menu** button and select **Remote Config**. This dialog box appears.



2. Click the **Browse** button to locate the firmware file (.img) saved at your local computer.
3. Click the **Upgrade** button to process the upgrade.

7. Restoring to Factory Default

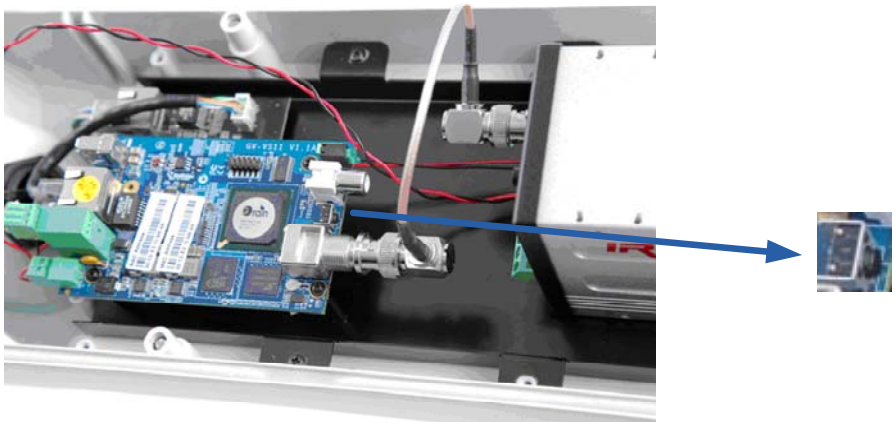
You can restore GV-TM0100 to factory default settings using the Web interface or directly on the camera.

7.1 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.

7.2 Directly on the Camera

1. Loosen the camera's cover with a screwdriver.
2. Disconnect the camera's power supply and reconnect the power to the camera.
3. Press the hold the **default** button.



4. Release the **default** button when the **status LED** blinks. This shall take about 15 seconds.
5. When the **status LED** fades, the process of loading default is completed and the camera reboots automatically.
6. Insert a new Silica Gel Bag and fasten the camera's cover immediately.