

GeoVision GV-TBL8804

GeoVision GV-TBL8804 8MP Bullet IP Camera User Manual

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the GeoVision GV-TBL8804 8MP H.265 Super Low Lux WDR Pro Full Color Warm LED IR Bullet IP Camera. The GV-TBL8804 is an outdoor network camera designed for day and night surveillance, featuring an automatic IR-cut filter, one IR LED, and two warm LEDs. It supports H.265 video codec for efficient compression and adheres to IP67 standards for outdoor use. The camera can be powered via Power over Ethernet (PoE) and incorporates AI deep learning algorithms for distinguishing human and vehicle movements, enhancing perimeter protection and real-time alerts when integrated with GeoVision Video Management Software (VMS).

PACKAGE CONTENTS

Verify that all items are present in the package before proceeding with installation.

- GeoVision GV-TBL8804 8MP Bullet IP Camera
- Installation Guide
- Mounting Screws and Anchors
- Waterproof Connector (for Ethernet cable)
- Software CD (or download link for GV-VMS)

PRODUCT OVERVIEW

The GeoVision GV-TBL8804 camera features a robust design suitable for outdoor environments. Below is an illustration of the camera's main components.



Figure 1: Front and side view of the GeoVision GV-TBL8804 8MP Bullet IP Camera. The image displays the main camera lens, two warm LEDs, and a single IR LED on the front panel. The side shows the GeoVision logo and the adjustable mounting bracket.

Key Features:

- 1/2.7" progressive scan super low lux CMOS sensor for superior low-light performance.
- Day and Night function with a removable IR-cut filter for optimal image quality in varying light conditions.
- Built-in micro SD card slot (SD / SDHC / SDXC / UHS-I, Class 10) for local storage of recordings.
- AI deep learning capabilities for AI Perimeter Protection and classification of human and vehicle objects.
- IP67-rated weather-resistant enclosure for outdoor installation.
- Two-way audio support for communication.
- Alarm sound and warm LED light triggered by AI detection events for enhanced security.

SETUP

1. Mounting the Camera

1. **Select a Location:** Choose a suitable outdoor location that provides the desired surveillance coverage and is within range of your network infrastructure. Ensure the mounting surface is sturdy enough to support the camera.
2. **Drill Holes:** Use the provided mounting template (if available) to mark and drill pilot holes for the mounting screws.
3. **Secure the Bracket:** Attach the camera's mounting bracket securely to the surface using the supplied screws and anchors.
4. **Adjust Angle:** Loosen the adjustment screws on the bracket to position the camera at the desired angle. Tighten the screws once the camera is in place.

2. Power and Network Connection

1. **Ethernet Cable:** Connect an Ethernet cable from your PoE-enabled network switch or PoE injector to the camera's Ethernet port. Use the waterproof connector to ensure a secure and weather-resistant connection.
2. **Power (Optional):** If not using PoE, connect a compatible 12V DC power adapter (not included) to the camera's power input.
3. **Indicator Lights:** Observe the camera's indicator lights. A solid green light typically indicates a successful network connection and power.

3. Initial Configuration

1. **Software Installation:** Install the GeoVision GV-VMS software on a Windows-based computer connected to the same network as the camera.
2. **Device Discovery:** Use the GV-VMS software or GeoVision's IP Device Utility to discover the camera on your network.
3. **Default Credentials:** Log in to the camera using the default username and password (refer to the separate Quick Start Guide or GeoVision documentation for default credentials).
4. **Change Password:** For security, immediately change the default password to a strong, unique password.
5. **Network Settings:** Configure network settings such as IP address (static or DHCP), subnet mask, and gateway as required by your network environment.
6. **Time Settings:** Set the correct date and time, preferably by synchronizing with an NTP server.

OPERATING INSTRUCTIONS

1. Accessing Live View

- **GV-VMS:** Open the GeoVision GV-VMS software, add the camera to your device list, and select it to view the live feed.
- **Web Browser:** Enter the camera's IP address into a web browser (e.g., Chrome, Firefox) to access its web interface. Log in with your credentials to view the live feed and configure settings.
- **Mobile App:** Download and install the GV-Eye mobile application. Add your camera or GV-VMS server to view live footage remotely.

2. Configuring Recording

- **Local Storage (SD Card):** Insert a Class 10 micro SD card into the camera's slot. Format the SD card via the camera's web interface or GV-VMS. Configure recording schedules and event-triggered recording settings.
- **NVR/VMS Recording:** If using a Network Video Recorder (NVR) or GV-VMS, configure recording settings directly within the NVR/VMS software.

3. Utilizing AI Features

- **AI Perimeter Protection:** Within the camera's web interface or GV-VMS, define detection zones and set rules for AI perimeter protection. This allows the camera to distinguish between human and vehicle intrusions.
- **Event Triggers:** Configure actions to be taken upon AI detection, such as sending alerts, triggering alarm sounds, or activating the warm LED lights.

MAINTENANCE

1. Cleaning

- Regularly clean the camera lens and housing with a soft, damp cloth to remove dust, dirt, or water spots.
- Do not use harsh chemicals or abrasive materials, as these can damage the lens or housing.

2. Firmware Updates

- Periodically check the GeoVision official website for firmware updates.
- Firmware updates can provide new features, performance improvements, and security enhancements.
- Follow the instructions provided with the firmware update package carefully to avoid damaging the device.

3. Data Backup

- If using local SD card storage, regularly back up important recordings to an external storage device or network location.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No image/video feed.	No power, network issue, incorrect IP address.	Check power connection (PoE or adapter). Verify Ethernet cable connection. Ensure camera's IP address is correct and accessible on the network.
Poor image quality.	Dirty lens, improper focus, low light conditions.	Clean the camera lens. Check focus settings (if adjustable). Ensure sufficient lighting or verify Day/Night mode is functioning correctly.
Cannot access camera via web browser.	Incorrect IP address, network firewall, browser compatibility.	Confirm the camera's IP address. Check local firewall settings. Try a different web browser.
AI detection not working.	Incorrect configuration, environmental factors.	Review AI detection zone and rule settings in the camera's interface. Ensure the camera's view is clear and not obstructed.

SPECIFICATIONS

Feature	Detail
Model Name	GV-TBL8804
Effective Still Resolution	8 MP



Feature	Detail
Maximum Webcam Image Resolution	8 MP
Video Capture Resolution	1080p (Note: 8MP resolution is for still images/higher quality streams, 1080p might refer to a common streaming resolution)
Photo Sensor Technology	CMOS (1/2.7" progressive scan super low lux)
Indoor/Outdoor Usage	Outdoor
International Protection Rating	IP67
Power Source	Corded Electric (PoE compatible)
Connectivity Technology	Wireless (refers to IP network connectivity, not Wi-Fi)
Connectivity Protocol	RTSP
Mounting Type	Wall Mount
Form Factor	Bullet
Low Light Technology	Day/Night, Super Low Lux
Light Source Type	LED (IR and Warm LED)
Focus Type	Auto Focus
Item Dimensions (L x W x H)	7.4 x 2.8 x 2.8 inches
Item Weight	1 pounds
Manufacturer	GeoVision INC

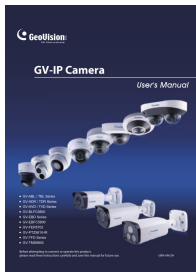
WARRANTY AND SUPPORT

GeoVision products are typically covered by a limited manufacturer's warranty. Please refer to the warranty card included with your product or visit the official GeoVision website for detailed warranty terms and conditions.

For technical support, product inquiries, or service requests, please contact GeoVision customer support through their official website or the contact information provided in your product documentation. Ensure you have your product model number (GV-TBL8804) and serial number ready when contacting support.

GeoVision Official Website: www.geovision.com.tw

	<p>GeoVision GV-IP Camera Quick Start Guide</p> <p>This Quick Start Guide provides essential information for setting up and installing GeoVision GV-IP Camera series, including GV-EBD, GV-ABL/TBL, GV-ADR/TDR, and GV-AVD/TVD models. Learn about packing lists, overviews, installation procedures, and accessing the camera via its web interface.</p>
	<p>GeoVision GV-Video Server User's Manual</p> <p>This comprehensive user manual guides users through the setup, configuration, and advanced features of the GeoVision GV-Video Server. It details how to convert analog cameras into IP streams, enable remote monitoring, and integrate with GeoVision's surveillance ecosystem. The manual covers various models including GV-VS04H, GV-VS11, GV-VS12, GV-VS14, GV-VS2400, GV-VS2401, GV-VS2420, GV-VS2800, GV-VS2820, and GV-VS21600, offering essential information for security professionals and system integrators.</p>
	<p>GeoVision GV-IP Camera User's Manual</p> <p>This user's manual provides comprehensive instructions for the GeoVision GV-IP Camera series. It covers installation, setup, network configuration, live view access, administrator settings, intelligent video analytics, event management, and system maintenance for a wide range of models including GV-ABL, GV-TBL, GV-ADR, GV-TDR, GV-AVD, GV-TVD, GV-BLFC5800, GV-EBD, GV-EBDP, GV-EBFC5800, GV-FER5702, GV-PTZ5810-IR, GV-TFD, and GV-TMS series. Learn how to optimize camera performance and utilize advanced features for surveillance applications.</p>
	<p>GV-Fisheye IP Camera User's Manual - GeoVision</p> <p>Comprehensive user manual for the GeoVision GV-Fisheye IP Camera series, covering installation, configuration, features, and advanced applications. Learn about video settings, motion detection, network setup, recording, and more.</p>
	<p>GV-SNVR System User's Manual</p> <p>This user's manual provides comprehensive information on the GeoVision GV-SNVR System, including features, models, installation, configuration, and advanced applications. Learn about recording capabilities, network setup, remote access, and more.</p>



[GeoVision GV-IP Camera User's Manual: Installation, Configuration, and Smart Features](#)

Comprehensive user manual for GeoVision GV-IP cameras. Covers installation, setup, network configuration, smart features, and integration with GV-VMS/DVR/NVR systems. Includes details on various GV-IP camera series.