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›   **GeoVision GV-VR360 8MP IR WDR Built-in / External Microphone Network Outdoor Fisheye Panoramic Dome Camera Instruction Manual**

GeoVision GV-VR360

GeoVision GV-VR360 8MP Fisheye Panoramic Dome Camera Instruction Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your GeoVision GV-VR360 8MP IR WDR Built-in / External Microphone Network Outdoor Fisheye Panoramic Dome Camera. The GV-VR360 is an advanced surveillance solution designed to capture a full 360-degree panoramic view with high-resolution imaging, suitable for various outdoor security applications. Please read this manual thoroughly before using the product to ensure proper setup and optimal performance.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent damage to the product and ensure user safety:

- **Power Supply:** Use only the specified power adapter. Incorrect voltage may cause fire or electric shock.
- **Water and Moisture:** Although the camera is IP67 weatherproof, do not immerse it in water or expose it to excessive moisture beyond its rating.
- **Installation:** Ensure the camera is securely mounted to prevent it from falling. Installation should be performed by qualified personnel if necessary.
- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth. Do not use liquid or aerosol cleaners.
- **Operating Temperature:** Operate the camera within the specified temperature range to ensure proper function and longevity.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- GeoVision GV-VR360 Camera Unit
- Mounting Hardware (screws, anchors)
- Quick Start Guide
- Waterproof Connector Kit

Image: The GeoVision GV-VR360 camera unit, showing its cylindrical body and lens.

4. PRODUCT OVERVIEW

The GeoVision GV-VR360 is an 8MP outdoor fisheye panoramic dome camera designed for comprehensive surveillance. It features dual 4MP fisheye lenses that provide a 720° panoramic view without blind spots, making it ideal for wide-area monitoring. The camera integrates an IR module for night vision up to 10 meters (32 ft) with Intelligent IR technology for optimal image quality in low light. It also includes a built-in/external microphone and is IP67 weatherproof and vandal-proof.

Key Features:

- **Sensor:** 1/2.9" progressive scan low lux CMOS
- **Resolution:** 3840 x 2160 (8MP)
- **Lens:** 1.05 mm fixed lens, dual 4MP fisheye for 720° panoramic view
- **IR Range:** Up to 10 m (32 ft) with 4 IR LEDs and Intelligent IR
- **WDR:** 96 dB Wide Dynamic Range
- **Audio:** Built-in / external microphone
- **Durability:** IP67 Weatherproof and vandal-proof

Image: Front view of the GeoVision GV-VR360 camera, highlighting the lens and microphone area.

5. SETUP

5.1 Mounting

The GV-VR360 can be mounted on a ceiling or wall. Use the provided mounting template and hardware to securely attach the camera. Ensure the mounting surface is strong enough to support the camera's weight. For optimal 360-degree coverage, mount the camera in a central location within the desired surveillance area.

5.2 Power Connection

Connect the appropriate power adapter to the camera's power input. Ensure the power source meets the camera's voltage requirements. For Power over Ethernet (PoE) models, power is supplied directly through the network cable, eliminating the need for a separate power adapter.

5.3 Network Connection

Connect an Ethernet cable from your network switch or router to the camera's RJ45 port. Ensure a stable network connection for reliable video streaming and remote access.

Image: A standard blue Ethernet cable with RJ45 connectors, used for network connection.

5.4 Initial Configuration

After connecting the camera to the network, use the GeoVision software (e.g., GV-IP Device Utility) or a web browser to discover the camera and perform initial network settings, such as assigning an IP address and setting up user credentials. Refer to the GeoVision website for the latest software and detailed configuration guides.

6. OPERATING INSTRUCTIONS

6.1 Live View

Access the live video feed from your GV-VR360 camera using the GeoVision GV-eye mobile application (available for Android) or through a compatible network video recorder (NVR) or surveillance software. The GV-eye app allows you to view real-time 360-degree video and interact with the panoramic view.

6.2 Recording

The camera supports various recording modes, including continuous, motion-triggered, and scheduled recording. Configure recording settings through your NVR or surveillance software. The GV-VR360 can record interactive 360-degree video in 4K quality.

6.3 Night Mode

The GV-VR360 automatically switches to night mode in low-light conditions, utilizing its IR LEDs to provide clear black-and-white video. The Intelligent IR design ensures optimal brightness and prevents overexposure of objects close to the camera.

6.4 360-degree View and VR Integration

Leverage the camera's panoramic capabilities to monitor large areas. The 360-degree video can be de-warped and

viewed in various modes (e.g., panorama, quad view) through compatible software. For an immersive experience, the GV-VR360 supports real-time VR 360-degree live video streaming and can be viewed with cardboard VR headsets and the YouTube mobile app.

7. MAINTENANCE

7.1 Cleaning

Regularly clean the camera lens and housing to ensure clear image quality. Use a soft, lint-free cloth. For stubborn dirt, a mild cleaning solution designed for optical lenses can be used sparingly. Do not use abrasive cleaners or solvents.

7.2 Firmware Updates

Periodically check the GeoVision official website for the latest firmware updates. Keeping your camera's firmware up-to-date ensures optimal performance, security enhancements, and access to new features. Follow the provided instructions carefully when performing firmware updates.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your GV-VR360 camera.

Problem	Possible Cause	Solution
No video feed	Power issue, network disconnection, incorrect IP address.	Check power connection. Verify network cable is securely connected. Ensure camera has a valid IP address and is reachable on the network.
Poor image quality	Dirty lens, insufficient lighting, incorrect camera settings.	Clean the camera lens. Ensure adequate lighting or verify night mode is functioning. Adjust image settings (brightness, contrast, WDR) in the camera's web interface.
Cannot access camera remotely	Network configuration issues (port forwarding, firewall), incorrect DDNS/Cloud settings.	Verify network settings, ensure necessary ports are forwarded on your router, check firewall rules. Confirm DDNS or cloud service is correctly configured.
IR LEDs not working	IR sensor blocked, IR setting disabled.	Ensure nothing is obstructing the IR sensor. Check camera settings to confirm IR is enabled and set to auto.

9. SPECIFICATIONS

Detailed technical specifications for the GeoVision GV-VR360 camera:

Feature	Value
Model Number	GV-VR360
Video Capture Resolution	8 MP (3840 x 2160)

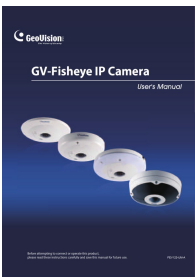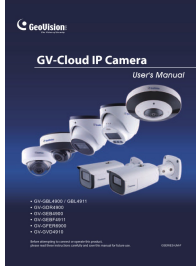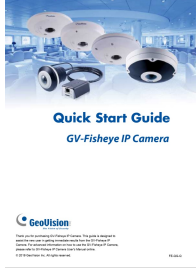| Feature	Value
Lens	1.05 mm fixed lens
Night Vision Range	32 Feet (10 m)
International Protection Rating	IP67
WDR	96 dB
Audio	Built-in / External Microphone
Connectivity Technology	Wireless (Wi-Fi) and Wired (RJ45)
Form Factor	Dome
Product Dimensions	6.46 x 2.52 x 1.78 inches
Item Weight	1.28 pounds
Recommended Uses	Outdoor Security

10. WARRANTY INFORMATION

GeoVision products are covered by a limited warranty against defects in materials and workmanship. The specific warranty period and terms may vary by region and product. Please refer to the official GeoVision website or your local distributor for detailed warranty information and registration procedures.

11. CUSTOMER SUPPORT

For technical assistance, troubleshooting, or product inquiries, please contact GeoVision customer support. You can find contact information, FAQs, and additional resources on the official GeoVision website. When contacting support, please have your product model number (GV-VR360) and any relevant purchase details ready.

Related Documents - GV-VR360

GV-Fisheye IP Camera
User's Manual

GV-Fisheye IP Camera User's Manual - GeoVision
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.

GV-IPCam
Hardware Manual

GeoVision GV-IPCam Hardware Manual - Installation and Features Guide
Comprehensive hardware manual for GeoVision GV-IPCam series network cameras. Covers installation, features, and specifications for Cube Cameras, Fixed Domes, Rugged Domes, and more.

GeoVision GV-AS / EV Controller Quick Start Guide for Access Control Systems

Comprehensive Quick Start Guide for GeoVision GV-AS and GV-EV series access control controllers. Covers setup, physical wiring, web interface configuration, and GV-ASManager integration for models including GV-AS100, GV-AS210, GV-EV48, and more. Essential for security system installers and administrators.

GeoVision GV-Cloud IP Camera User's Manual: Installation, Configuration, and Operation Guide

Comprehensive user manual for GeoVision GV-Cloud IP Cameras. Covers installation, network setup (LAN/WAN), live view, detailed configuration of system, image, alarm, and event settings, security management, maintenance, and troubleshooting. Includes model numbers GV-GBL4900, GV-GBL4911, GV-GDR4900, GV-GEB4900, GV-GEBF4911, GV-GFER6900, and GV-GVD4910.

GeoVision GV-Fisheye IP Camera Quick Start Guide

Quick Start Guide for GeoVision GV-Fisheye IP Cameras, covering installation, connection, and basic configuration for models like GV-FE5302, GV-EFER3700, GV-FER5700, and GV-UNFE2503. Provides links to the official user manual and GeoVision website.

GeoVision GV-IP Camera Quick Start Guide

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.