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› DIHOOM 2K 4MP WiFi Outdoor/Indoor Battery Camera User Manual

DIHOOM FR-CG1

DIHOOM 2K 4MP WiFi Outdoor/Indoor Battery Camera User Manual

Model: FR-CG1

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your DIHOOM 2K 4MP WiFi Outdoor/Indoor Battery Camera (Model FR-CG1). Please read this manual thoroughly before using the product to ensure proper function and safety.

2. PACKAGE CONTENTS

Please check the package contents upon unboxing. If any items are missing or damaged, contact customer support.

- DIHOOM 2K 4MP Battery Camera (FR-CG1)
- Magnetic Base Mount
- Mounting Screws and Wall Anchors
- USB Charging Cable
- User Manual (This document)
- 3M Adhesive Tape (for mount)

3. PRODUCT OVERVIEW

Familiarize yourself with the camera's components.



Image 3.1: DIHOOM 2K 4MP Battery Camera. The image shows the white and black camera unit, with water droplets, attached to a black magnetic wall mount. A blue indicator light is visible on the camera body, and a 360-degree rotation symbol is shown next to the mount.

- **Camera Lens:** Captures video footage.
- **LED Spotlight:** Provides illumination for color night vision and acts as a deterrent.
- **PIR Sensor:** Detects motion based on heat signatures.
- **Microphone:** For audio input.
- **Speaker:** For two-way audio communication and alarms.
- **Status Indicator Light:** Shows camera status (e.g., charging, connected, recording).
- **Magnetic Base:** Allows for flexible positioning and easy removal for charging.
- **Micro SD Card Slot:** For local video storage (supports up to 128GB).
- **USB Charging Port:** For recharging the internal battery.

4. SETUP

4.1 Initial Charging

Before first use, fully charge the camera using the provided USB cable. Connect the cable to the camera's charging port and a standard

USB power adapter (not included). The status indicator light will show charging status.

4.2 App Installation and Account Creation

1. Download the "VicoHome" app from your smartphone's app store (iOS or Android).
2. Open the app and create a new account or log in if you already have one.

4.3 Adding the Camera to the App

1. Ensure your smartphone is connected to a 2.4 GHz Wi-Fi network. The camera does not support 5 GHz Wi-Fi.
2. In the VicoHome app, tap the "+" icon to add a new device.
3. Follow the on-screen instructions to pair the camera. This typically involves scanning a QR code displayed on your phone with the camera's lens.
4. Once connected, name your camera and complete the setup process.

4.4 Mounting the Camera

The camera offers flexible mounting options:



Image 4.1: Easy installation with magnetic mount. The image illustrates the magnetic base mount, showing how the camera attaches magnetically and can be

rotated 360 degrees. It also highlights the use of strong 3M adhesive tape for drill-free installation.

- **Magnetic Mount:** Attach the magnetic base to a wall or ceiling using the provided screws or the strong 3M adhesive tape. The camera can then be easily attached to the magnetic base and adjusted for optimal viewing angle. The magnetic connection allows for 360-degree rotation.
- **Placement Considerations:**
 - Ensure the camera is within range of your 2.4 GHz Wi-Fi network.
 - Position the camera to cover the desired surveillance area, considering its 130-degree viewing angle.
 - For optimal motion detection, avoid placing the camera directly facing strong light sources or areas with frequent, non-relevant movement (e.g., busy public roads).
 - The camera is IP65 waterproof, suitable for outdoor use.

5. OPERATING INSTRUCTIONS

5.1 Live View and Recording

Access the live feed of your camera through the VicoHome app. You can manually initiate recordings or capture screenshots from the live view interface.

See Delicate Details in 4MP HD

lebendigen Farben und satten Bilder in einer FHD-Auflösung von 2560 x 1440



Image 5.1: 4MP HD vs 1080P resolution comparison. This image shows a side-by-side comparison of video quality, highlighting the superior detail and clarity of 4MP HD (2560 x 1440) resolution compared to standard 1080P.



Image 5.2: 2K Color Night Vision. The image displays a smartphone screen showing a live feed from the camera at night, capturing a scene with people in a backyard illuminated by the camera's spotlight, demonstrating the 2K color night vision capability.

5.2 Motion Detection (AI & PIR)

The camera features advanced AI and PIR (Passive Infrared) motion detection to minimize false alarms.



Image 5.3: PIR Motion Detection. This image shows a person walking in front of a house at night, with the camera's spotlight activated. A smartphone screen displays a real-time notification from the VicoHome app, indicating that a person has been detected, along with options for flashlight alarm, siren alarm, and motion detection notifications.

- **AI Detection:** The camera can intelligently distinguish between humans, vehicles, pets, and packages, reducing irrelevant alerts.
- **PIR Sensor:** Detects body heat, triggering recording and alerts only when significant movement is detected.
- **Notifications:** When motion is detected, the camera can automatically trigger spotlights and alarms, and send real-time notifications to your smartphone via the VicoHome app.
- **Customization:** Within the app, you can adjust motion detection sensitivity and define specific detection zones to focus on critical areas.



Image 5.4: PIR Sensor and Motion Detection. This image illustrates the camera's field of view (110 degrees) and how its PIR sensor focuses on detecting human movement while ignoring irrelevant elements like butterflies or falling leaves, ensuring only important events trigger alerts.

5.3 Night Vision

The camera offers two night vision modes:

Sehen Sie auch nachts scharfe Details

Bewegungsaktivierter Scheinwerfer, der auch bei völliger Dunkelheit eine Vollfarb-Nachtsicht bietet.

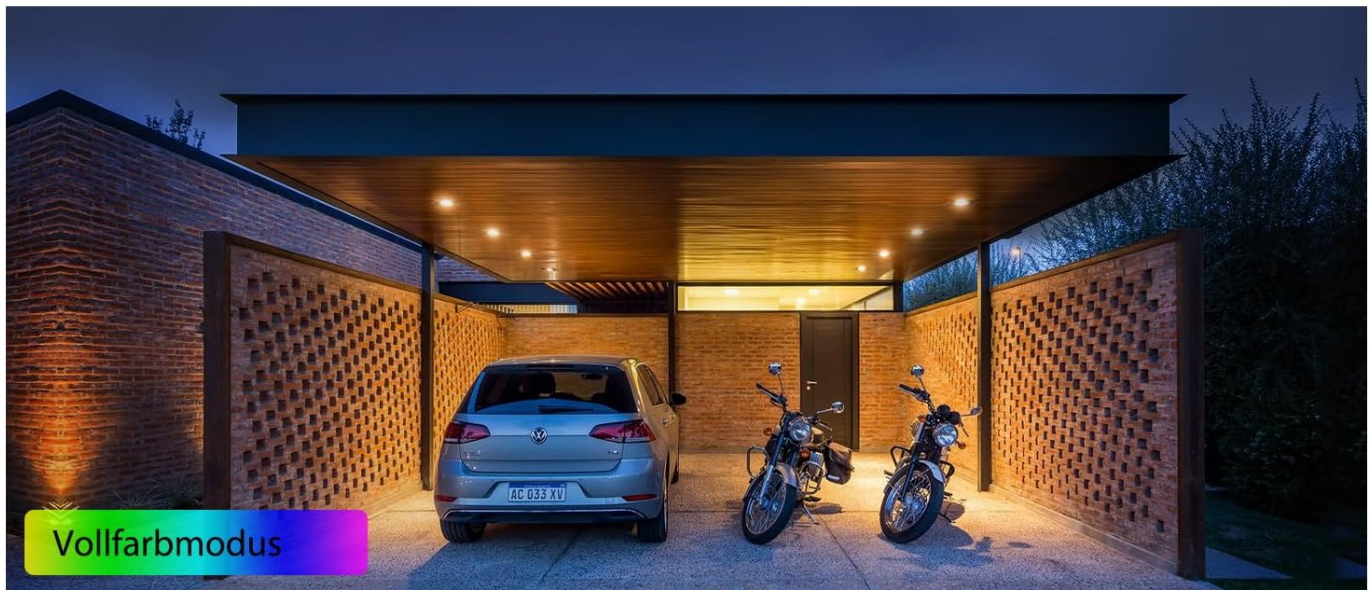


Image 5.5: Color Night Vision vs. Infrared Night Vision. This image compares two views of a garage at night: one in full color mode (top), showing details and colors, and one in infrared mode (bottom), displaying a black and white image. This demonstrates the camera's ability to provide clear details even in complete darkness.

- **Color Night Vision:** When motion is detected at night, the camera automatically activates its warm LED spotlight to capture full-color video, providing more detailed and identifiable footage.
- **Infrared Night Vision:** For discreet monitoring, the camera can also operate in infrared (black and white) mode without activating the spotlight.

5.4 Two-Way Audio

The built-in microphone and speaker enable two-way communication.

Zwei-Wege-Audio für Live-Talk



Image 5.6: Two-Way Audio for Live Talk. This image depicts a delivery person at a door and a smartphone screen showing the VicoHome app's live view with a "Hold to speak" button, illustrating how users can communicate remotely with visitors via the camera's two-way audio feature.

From the VicoHome app, you can speak through the camera to interact with visitors or deter intruders.

5.5 Storage Options

The camera supports two storage methods for recorded footage:

Keine zusätzliche **Gebühr** und Datenschutz



Cloud-Speicher

Lebenslang kostenlos



Micro SD Karte

Bis zu 128 GB



Image 5.7: Cloud Storage and Micro SD Card Storage. This image shows the camera with its Micro SD card slot, alongside icons for cloud storage and a Micro SD card, indicating support for both storage options up to 128GB, with cloud storage being free for life.

- **Micro SD Card:** Insert a Micro SD card (up to 128GB, not included) into the designated slot for local storage.
- **Cloud Storage:** The camera supports secure encrypted cloud storage. Refer to the VicoHome app for details on available cloud plans.

6. MAINTENANCE

6.1 Battery Charging

The camera is equipped with a high-capacity rechargeable battery. Battery life can vary based on usage, motion detection frequency, and environmental factors. When the battery level is low, you will receive a notification via the VicoHome app. To charge, detach the camera from its magnetic mount and connect it to a USB power source using the provided cable.

A full charge typically allows for approximately 6 months of operation under normal conditions (e.g., 20 10-second video recordings per day).

6.2 Cleaning

Wipe the camera lens and body with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials that could damage the camera.

6.3 Firmware Updates

Periodically check the VicoHome app for available firmware updates. Keeping your camera's firmware up-to-date ensures optimal performance and access to new features.

7. TROUBLESHOOTING

Problem	Possible Solution
Camera fails to connect to Wi-Fi.	• Ensure your Wi-Fi network is 2.4 GHz. The camera does not support 5 GHz. • Check Wi-Fi signal strength at the camera's location. • Restart your Wi-Fi router. • Reset the camera and try pairing again.
Frequent false motion alerts.	• Adjust motion detection sensitivity in the VicoHome app. • Define specific detection zones to exclude irrelevant areas (e.g., trees swaying). • Ensure the camera is not facing direct sunlight or reflective surfaces.
Poor image quality.	• Clean the camera lens with a soft cloth. • Ensure adequate lighting for the surveillance area, especially at night. • Check your Wi-Fi connection speed.
Battery drains quickly.	• Reduce motion detection sensitivity or frequency of recordings. • Ensure the camera is not in an area with constant, unnecessary motion triggers. • Check for frequent live view access, which consumes battery. • Ensure the camera is fully charged.
Two-way audio not working.	• Check microphone and speaker permissions for the VicoHome app on your smartphone. • Ensure your phone's volume is up. • Verify network connectivity.

8. SPECIFICATIONS

- Model:** FR-CG1
- Video Recording Resolution:** 2K 4MP (2560 x 1440 pixels)
- Color:** White
- Wireless Communication Technology:** Wi-Fi (2.4 GHz only)
- Form Factor:** Dome (Bullet-style with magnetic base)
- Viewing Angle:** 130 Degrees
- Installation Type:** Wall Mount / Magnetic Mount
- Material:** Extra resistant ABS+PC material (heat and rust resistant)
- Power:** 3.7 Watt-hours (Battery powered)
- Dimensions (L x W x H):** 15.4 x 12.5 x 9.8 cm
- Weight:** 640 grams

Battery: 1 AA (included, rechargeable)

Special Features: Motion Detector, Color Night Vision, Infrared Night Vision, Two-Way Audio

Usage: Outdoor, Indoor (IP65 waterproof)

Compatible Devices: Smartphone (iOS, Android)

Storage: Micro SD Card (up to 128GB), Cloud Storage

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the DIHOOM official website or contact their customer service directly. Keep your purchase receipt for warranty claims.

