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AlkiVision 521

AlkiVision Solar Security Camera Wireless Outdoor - 2K Night Color Vision User Manual

Model: 521

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your AlkiVision Solar Security Camera (Model 521). This wireless outdoor camera features 2K resolution, color night vision, 360° view, AI motion detection, spotlight, two-way audio, siren, and IP67 waterproofing, designed to enhance your home security. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

Package Contents

Verify that all components are present in your package:

- AlkiVision Solar Security Camera (4 units for this package)
- Mounting Bracket(s)
- Mounting Screws and Wall Plugs
- USB Charging Cable
- Instruction Manual (this document)

Setup and Installation

The AlkiVision Solar Security Camera is designed for easy, wireless installation. It operates on 2.4GHz Wi-Fi and is powered by a built-in 5000mAh battery continuously charged by its integrated solar panel.

1. Charging the Camera

Before initial use, fully charge the camera's battery using the provided USB cable. While the solar panel provides continuous power, a full initial charge ensures optimal performance from the start.

2. App Download and Account Creation

Download the "Vicohome" app from your smartphone's app store (iOS or Android). Follow the in-app instructions to create an account and log in.

3. Connecting the Camera to Wi-Fi

1. Open the Vicohome app and tap the "+" icon to add a new device.
2. Select the appropriate device type (Battery device).
3. Follow the on-screen prompts to power on the camera. Listen for an alert sound.
4. Select your camera model (e.g., "521") from the discovered devices.
5. Enter your 2.4GHz Wi-Fi network name and password.**Note: This camera only supports 2.4GHz Wi-Fi.**
6. The app will guide you through scanning a QR code with the camera to establish the connection.
7. Once connected, you can name your camera and complete the setup.

Your browser does not support the video tag.

Video Description: This video demonstrates the initial setup process for the AlkiVision Solar Security Camera, including connecting it to the Vicohome app and configuring Wi-Fi settings.

4. Mounting the Camera

Choose a location that receives ample direct sunlight for the solar panel and provides the desired surveillance coverage. The camera's 120-degree adjustable case allows for a 360-degree panoramic view once mounted.

- Mark the drilling spots using the mounting bracket as a template.
- Drill holes and insert wall plugs if mounting on masonry.
- Secure the mounting bracket to the wall or roof using the provided screws.
- Attach the camera to the mounting bracket and adjust the angle for optimal viewing.



Image Description: A man is shown easily installing the AlkiVision solar security camera on an outdoor wall, highlighting the "no wiring hassles" and simple mounting process.



Image Description: The AlkiVision solar security camera is shown mounted on the side of a house, with sunlight illuminating its solar panel, illustrating its continuous solar charging capability.

Operating Instructions

Live View and Recording

Access the Vicohome app to view live footage from your camera. The camera records in 2K resolution (2304 x 1296 pixels), providing clear images.



Image Description: A split image showing the 2K resolution display of the AlkiVision camera during the day and its color night vision with "Magic Pix Function" at night, demonstrating clear visibility in both conditions.

Color Night Vision

The camera features advanced color night vision technology, utilizing a large aperture lens and built-in spotlights to capture full-color footage even in low-light conditions.



Image Description: An AlkiVision camera illuminates a backyard at night, capturing clear, full-color footage, enhancing nighttime visibility and security.

AI Motion Detection and Alerts

The camera is equipped with smart AI motion detection, capable of identifying people, vehicles, pets, and packages (subscription required for advanced recognition). When motion is detected by the PIR sensor, you will receive instant notifications on your phone via the Vicohome app.



Image Description: An AlkiVision camera detects a person in a yard at night, triggering a spotlight alarm and sending an instant notification to a smartphone via the Vicohome app.



Image Description: Two scenarios demonstrating the AlkiVision camera's AI detection capabilities: one showing a delivery person with a package and another showing a child and a dog, indicating recognition of people, packages, and pets.



Image Description: An AlkiVision camera mounted near a front door, with a blue light cone indicating its detection zone, showing a package on the ground and text stating "AI detects packages, people, and vehicles with instant motion alerts."

Smart Siren Alarm and Two-Way Audio

When unwanted motion is detected, the camera can trigger a siren alarm and activate its spotlight to deter intruders. The built-in microphone and speaker enable real-time two-way communication through the app, allowing you to speak with visitors or warn off suspicious individuals.



Image Description: An AlkiVision camera with its spotlight activated, detecting an approaching intruder at night, and a smartphone displaying an instant notification from the Vicohome app.



Image Description: Two children and a dog playing in a backyard, with an AlkiVision camera mounted on the house, illustrating the ability to "stay connected with clear real-time voice communication from anywhere."

Storage Options

The camera supports two storage modes for recorded events:

- **MicroSD Card:** Supports up to 128GB (not included).
- **AI Cloud Storage:** Subscription required for cloud memory and advanced AI recognition features (human, package, vehicle, pet). New users may claim a 7-day free trial.



Image Description: An AlkiVision camera with icons indicating support for up to 128GB SD card storage (not included) or 3 days of looping 20-second event recording via cloud storage.

Maintenance

The AlkiVision Solar Security Camera is designed for minimal maintenance due to its robust construction and solar charging capabilities.

- **Solar Panel:** Ensure the solar panel remains clean and free from obstructions (e.g., leaves, dirt) to maximize charging efficiency.
- **Lens Cleaning:** Periodically wipe the camera lens with a soft, damp cloth to maintain clear image quality. Avoid abrasive cleaners.
- **Weather Resistance:** The camera is IP67 waterproof, allowing it to operate effectively in various weather conditions, from -14°F (-10°C) to 120°F (48°C).



Image Description: A multi-panel image showcasing the AlkiVision camera's IP67 weatherproof rating, depicting it functioning reliably in rain, high temperatures, and snowy conditions.



Image Description: An AlkiVision camera shown in both snowy and sunny conditions, with a temperature scale from -14°F to 120°F, emphasizing its design to perform in rain, heat, and changing outdoor conditions.

Troubleshooting

If you encounter issues with your AlkiVision Solar Security Camera, refer to the following common troubleshooting steps:

- **Camera Not Connecting to Wi-Fi:**
  - Ensure your Wi-Fi network is 2.4GHz. The camera does not support 5GHz networks.
  - Verify the Wi-Fi password is entered correctly in the Vicohome app.
  - Check that the camera is within range of your Wi-Fi router.
  - Restart your Wi-Fi router and the camera.
- **No Power/Camera Not Turning On:**
  - Ensure the camera has been fully charged via USB before initial use.
  - Verify the solar panel is receiving direct sunlight.
  - Check for any physical damage to the camera or solar panel.
- **Poor Image Quality:**
  - Clean the camera lens to remove any dirt or smudges.
  - Ensure there are no obstructions in the camera's field of view.
  - Check your Wi-Fi signal strength; a weak signal can affect streaming quality.
- **Motion Detection Not Working:**
  - Verify that motion detection is enabled in the Vicohome app settings.
  - Adjust the motion detection sensitivity in the app.
  - Ensure there are no physical obstructions blocking the PIR sensor.
- **Two-Way Audio Issues:**
  - Check the microphone and speaker settings in the Vicohome app.
  - Ensure your smartphone's volume is up.
  - Verify there are no obstructions covering the camera's microphone or speaker.

For further assistance, please refer to the support section or contact AlkiVision customer service.

Specifications

Feature	Detail
Brand	AlkiVision
Model Name	521
Connectivity Technology	Wireless (2.4GHz Wi-Fi only)
Video Capture Resolution	2K (2304 x 1296 pixels)
Special Features	Color Night Vision, AI Motion Detection, Spotlight, 2-Way Audio, Siren, Solar Powered, Weather Proof
Indoor/Outdoor Usage	Outdoor
Waterproof Rating	IP67
Power Source	Battery Powered (5000mAh built-in), Solar Charging
Storage Options	MicroSD Card (up to 128GB, not included), AI Cloud Storage (subscription required)
Compatible Devices	Smartphone (via Vicohome app)
Operating Temperature	-14°F (-10°C) to 120°F (48°C)
Item Dimensions	7.1 x 3.74 x 2.17 inches

Warranty Information

For detailed warranty information regarding your AlkiVision Solar Security Camera, please refer to the warranty card included with your purchase or visit the official AlkiVision website. Warranty terms and conditions may vary by region and retailer. Please retain your proof of purchase for any warranty claims.

Support

If you require further assistance or have questions not covered in this manual:

- **Vicohome App:** The Vicohome app often includes a FAQ section and direct support contact options.
- **Online Resources:** Visit the official AlkiVision website for product updates, FAQs, and support articles.
- **Customer Service:** Contact AlkiVision customer support directly. Contact details are typically found on the product packaging or the official website.

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