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virtavo LJH10

virtavo Wireless Solar Security Camera Outdoor (Model LJH10)

User Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your virtavo Wireless Solar Security Camera Outdoor, Model LJH10. This camera features 2K QHD resolution, starlight color night vision, PIR motion detection, two-way audio, and is powered by an integrated solar panel and rechargeable battery, ensuring continuous outdoor surveillance without the need for frequent charging or complex wiring.

2. WHAT'S IN THE BOX

Verify that all components are present before proceeding with installation.

- virtavo Wireless Solar Security Camera (Model LJH10)
- Mounting Bracket
- USB Charging Cable
- Screws and Wall Anchors
- User Manual



Image: The virtavo Wireless Solar Security Camera, showing the main unit with its integrated solar panel and mounting accessories.

3. PRODUCT OVERVIEW

3.1 Camera Components

Familiarize yourself with the various parts of your security camera:

- **Lens:** Captures 2K QHD video.
- **IR LEDs:** Provide infrared illumination for night vision.
- **PIR Sensor:** Detects motion based on heat signatures.
- **Microphone:** Captures audio for two-way communication.
- **Speaker:** Enables two-way audio communication.
- **Solar Panel:** Recharges the internal battery using sunlight.
- **USB Charging Port:** For initial charging or supplemental power.
- **SD Card Slot:** Supports local storage up to 256GB (SD card not included).
- **Reset Button:** Used to reset the camera to factory settings.
- **Power Switch:** Turns the camera on or off.



Image: A close-up view of the camera's underside, highlighting the SD card slot, USB charging port, and power switch for secure local storage and device management.

4. SETUP

4.1 Initial Charging

Before first use, fully charge the camera using the provided USB cable and a 5V/2A power adapter (not included). A full charge typically takes 6-8 hours. The indicator light will show charging status.

4.2 App Installation and Account Creation

1. Download the 'HOME V' app from your smartphone's app store (iOS or Android).
2. Open the app and follow the on-screen instructions to create an account and log in.

4.3 Connecting to Wi-Fi

1. Turn on the camera using the power switch.
2. In the 'HOME V' app, tap '+' to add a new device.
3. Select your camera model and follow the app's instructions to connect the camera to your 2.4GHz Wi-Fi network. Ensure your phone is connected to the same 2.4GHz Wi-Fi network during setup.
4. Scan the QR code displayed on your phone with the camera lens when prompted.

4.4 Mounting the Camera

Choose a location with ample sunlight exposure for the solar panel and a clear view of the area you wish to monitor. The camera is weatherproof for outdoor use.



Image: An illustration demonstrating the simple process of attaching the solar panel to the camera for an easy, integrated setup.

4.4.1 All-in-One Installation

For integrated setup, attach the solar panel directly to the top of the camera. Use the mounting bracket to secure the camera to a wall or other flat surface using the provided screws and wall anchors. Ensure the solar panel faces the sun for optimal charging.

4.4.2 Split Installation

If direct sunlight is not available at the camera's desired location, use the extra-long 5ft cable to mount the solar panel separately. This allows you to place the camera in a shaded area while positioning the solar panel in a sunny spot. Secure both the camera and the solar panel using their respective mounting hardware.



Image: This image illustrates the flexible installation options, showing both an all-in-one setup and a split setup where the solar panel is mounted separately from the camera using an extended cable.

5. OPERATING INSTRUCTIONS

5.1 Live View and Recording

Open the 'HOME V' app to access the live feed from your camera. You can manually record video or capture screenshots directly from the live view interface. Recorded footage can be reviewed in the app's playback section.

5.2 Motion Detection and Alerts

The camera utilizes PIR (Passive Infrared) motion detection to identify heat signatures, reducing false alarms. When motion is detected, the camera will automatically record and send instant notifications to your smartphone.



Image: A visual representation of the PIR motion detection range, showing how the camera detects movement within a specified area, distinguishing between relevant and irrelevant motion.

5.2.1 Custom Detection Zones

Within the 'HOME V' app settings, you can define specific areas within the camera's view where motion detection should be active. This helps to focus monitoring on critical zones and further minimize unwanted alerts.



Image: A screenshot or illustration showing the 'HOME V' app interface where users can draw and define custom motion detection zones within the camera's field of view.

5.2.2 Instant Notifications

Upon detecting motion, the camera sends immediate alerts to your smartphone, allowing you to view the event in real-time or review recorded footage.

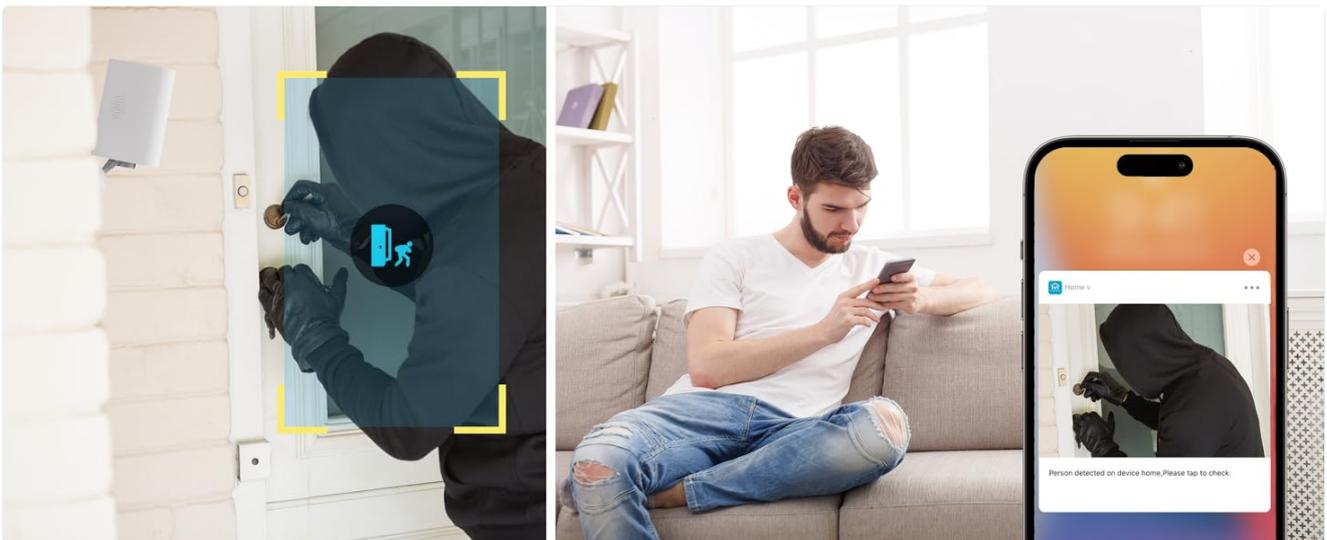


Image: A visual depicting a smartphone receiving an instant notification from the camera, showing a preview of the detected activity, such as a person approaching a door.

5.3 Night Vision

The camera features 2K Starlight Color Night Vision, utilizing a wide F1.6 aperture and 3.0mm focal length for vivid, color-rich images in low-light conditions. Additionally, two high-intensity IR LEDs provide clear black-and-white night

viewing when starlight is insufficient.

Timely Alert

With instant alerts, the camera notifies you of any suspicious activity.

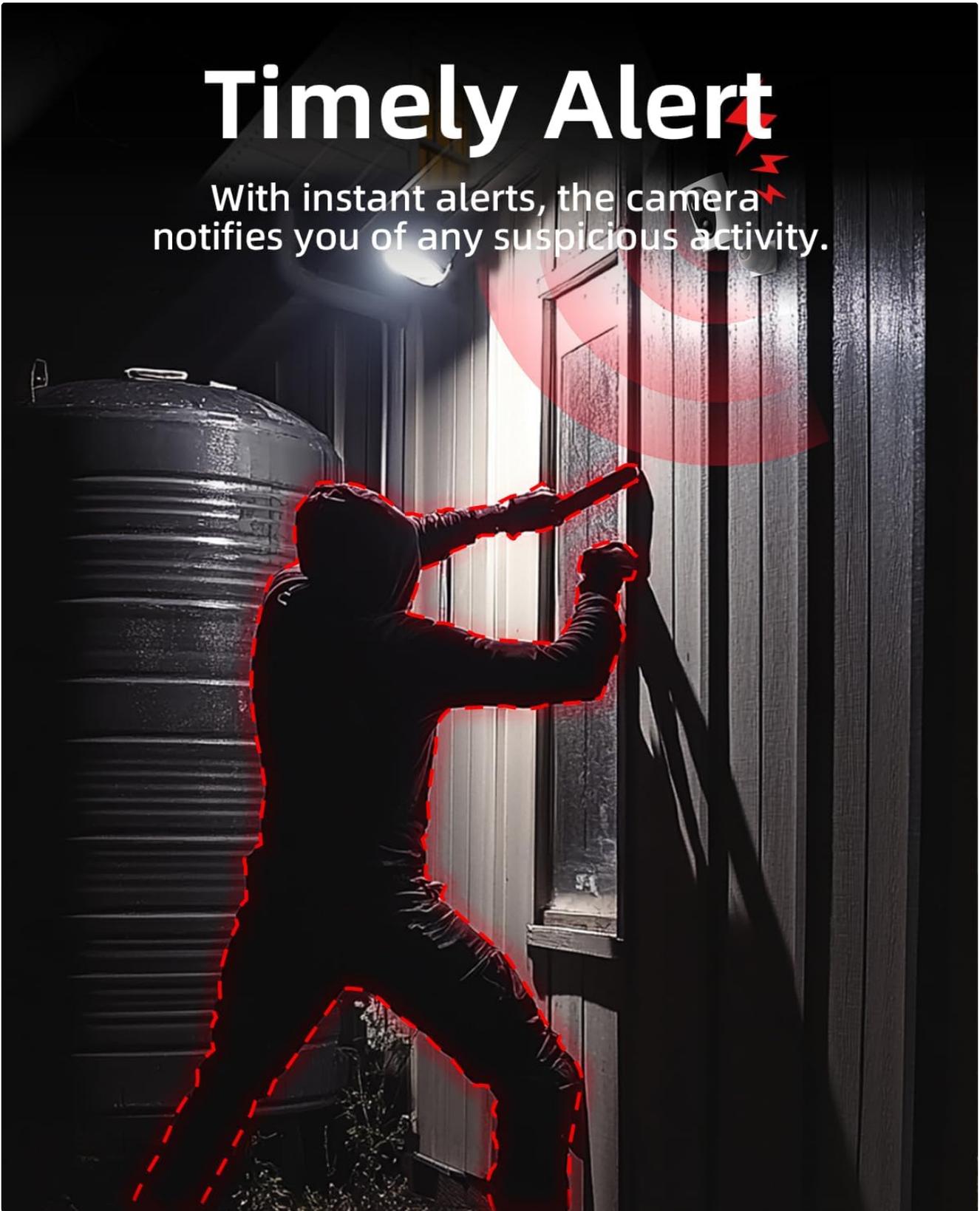


Image: A split image comparing the camera's starlight color night vision (top) with traditional black-and-white infrared night vision (bottom), demonstrating enhanced clarity and color retention in low light.

5.4 Two-Way Audio

The integrated microphone and speaker allow for two-way communication through the 'HOME V' app. You can listen to audio from the camera's location and speak through the camera to communicate with visitors or deter intruders.

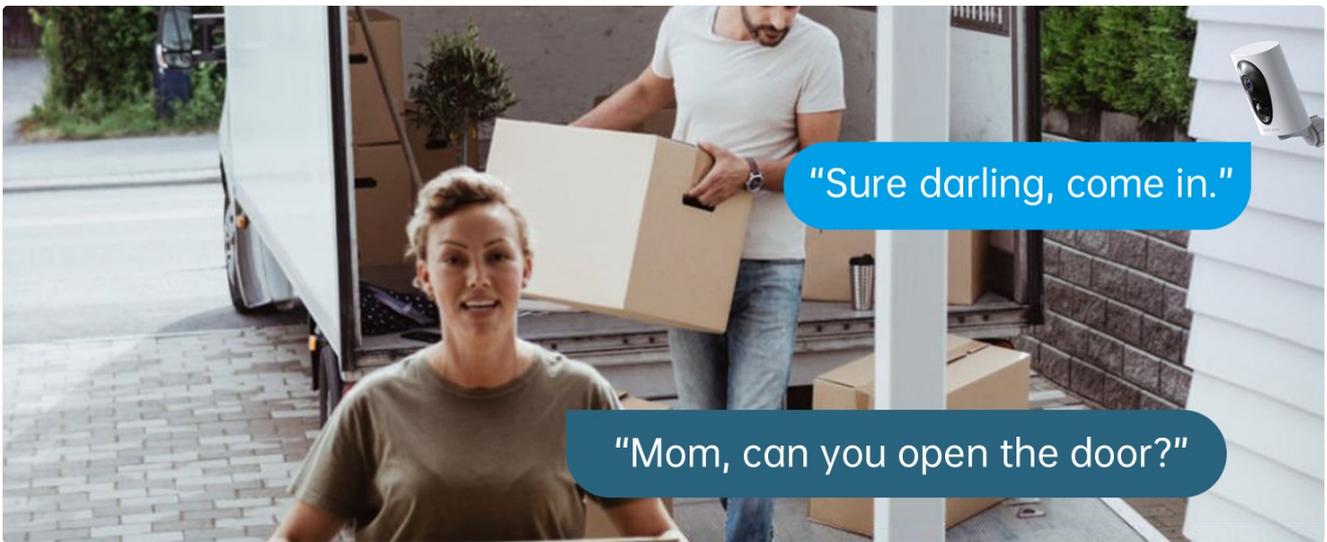


Image: An illustration showing a person speaking into their phone, with their voice being projected through the camera to a person at the camera's location, demonstrating the two-way audio function.

5.5 Storage Options

The camera offers flexible storage solutions for your recorded footage.

5.5.1 Local Storage (SD Card)

The camera supports a Micro SD card (not included) up to 256GB for continuous recording, even if your internet connection is interrupted. Insert the SD card into the designated slot on the camera. Footage is encrypted for privacy.



Image: A close-up of the camera's SD card slot with a Micro SD card inserted, illustrating the local storage capability.

5.5.2 Cloud Storage

Optional cloud storage plans are available through the 'HOME V' app, offering features such as 7-day video history, smart AI detection (for people, vehicles, and animals), and alerts with image previews. Cloud storage provides an additional layer of security for your recordings.

Image: A graphic comparing the basic no-fee local storage option (supporting up to 256GB SD card) with the optional cloud storage 'HOME PLAN', detailing its features like 7-day video history and AI detection.

5.6 Device Sharing

You can share access to your camera's live feed and recordings with family members or trusted individuals through the 'HOME V' app. This allows multiple users to monitor the property simultaneously.

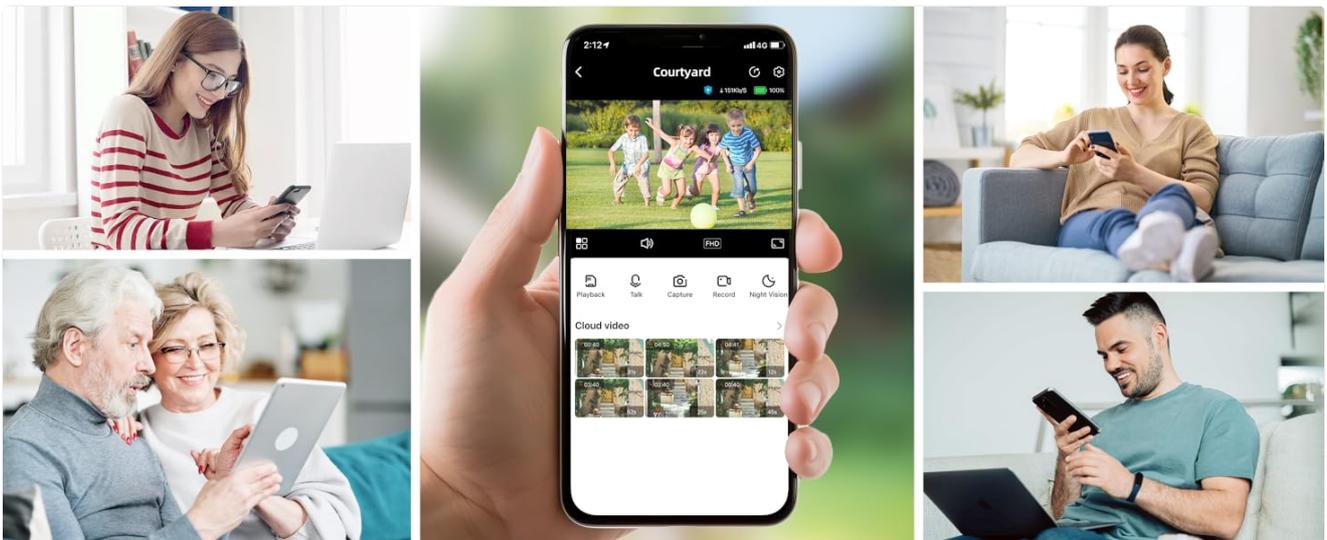


Image: A collage showing various individuals (family members) using their smartphones and tablets to access the camera's live feed, illustrating the device sharing feature.

6. MAINTENANCE

6.1 Solar Panel Care

To ensure optimal charging efficiency, regularly clean the surface of the solar panel to remove dust, dirt, or debris. Use a soft, damp cloth. Avoid abrasive cleaners that could scratch the panel.

6.2 Battery Management

The camera is equipped with a 4400 mAh rechargeable battery. While the solar panel provides continuous charging, prolonged periods of low sunlight or high activity may require supplemental charging via the USB port. Monitor battery levels through the 'HOME V' app.

6.3 Weather Resistance

The virtavo camera is designed to be weatherproof, capable of withstanding various outdoor conditions. Ensure all ports are securely sealed after charging or accessing the SD card slot to maintain its weather resistance.



Install It Your Way

Mount it together for quick setup or separately with the extra-long 5ft cable—front, side, or back—wherever works best.

*3M adhesive included—stick the solar panel on top of the camera or any smooth surface.

Image: The virtavo solar security camera mounted outdoors during rainfall, demonstrating its weatherproof construction and durability in various environmental conditions.

7. TROUBLESHOOTING

- **Camera is offline:**

Ensure the camera is powered on and fully charged. Check your Wi-Fi connection and signal strength. Try restarting your router and the camera. If the issue persists, try re-pairing the camera with the app.

- **Motion detection not working:**

Verify that motion detection is enabled in the app settings. Check the sensitivity level and adjust if necessary. Ensure there are no obstructions blocking the PIR sensor. Review custom detection zones to ensure the area of interest is covered.

- **Poor night vision:**

Ensure the camera lens is clean. Check if the IR LEDs are functioning correctly (they may emit a faint red glow in the dark). Ensure there are no reflective surfaces close to the camera that could cause glare.

- **Cannot connect to Wi-Fi:**

Confirm your Wi-Fi network is 2.4GHz. Ensure your Wi-Fi password is correct. Move the camera closer to the router to improve signal strength. Reset the camera and attempt the connection process again.

- **Battery draining fast:**

Ensure the solar panel is receiving adequate direct sunlight. Reduce motion detection sensitivity or frequency of recordings if activity is very high. Frequent live view access also consumes battery power. Consider supplemental USB charging during extended cloudy periods.

8. SPECIFICATIONS

Model Name	LJH10
Indoor/Outdoor Usage	Outdoor
Video Capture Resolution	2K QHD
Special Features	2-Way Audio, Starlight Color Night Vision, PIR Motion Detection, Weatherproof
Power Source	Solar Powered, Rechargeable Battery (4400 mAh)
Connectivity Technology	Wireless (2.4GHz Wi-Fi)
Compatible Devices	Smartphone (iOS, Android)
Controller Type	'HOME V' App
Mounting Type	Wall Mount
Storage Options	Micro SD Card (up to 256GB, not included), Cloud Storage (optional subscription)
Item Dimensions (L x W x H)	2.7 x 1.3 x 3.2 inches
Item Weight	13.1 ounces (0.37 Kilograms)
Video Capture Format	MP4

9. WARRANTY AND SUPPORT

For warranty information, technical support, or customer service inquiries, please refer to the contact information provided on the virtavo official website or within the 'HOME V' app. Keep your purchase receipt for warranty claims.

