

Woox R8404

WOOX R8404 4G LTE Outdoor Solar Security Camera

User Manual

Model: R8404 | Brand: Woox

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your WOOX R8404 4G LTE Outdoor Solar Security Camera. Please read this manual thoroughly before using the product to ensure proper function and safety. This camera is designed for autonomous surveillance in remote areas without Wi-Fi or electricity, utilizing 4G LTE connectivity and solar power.

2. PRODUCT OVERVIEW

The WOOX R8404 is a 2K 3MP outdoor security camera featuring 4G LTE connectivity, solar charging, color night vision, and AI-powered human detection. It offers comprehensive surveillance with flexible installation options.

Key Features:

- **Autonomous 4G LTE Connectivity:** Operates independently in areas without Wi-Fi or electricity. Requires a Nano SIM card (not included) with an active data plan.
- **2K Ultra-Clear Vision:** 3-megapixel wide-angle lens provides sharp 2K images during the day.
- **Color Night Vision:** Integrated fill light automatically activates color night vision for bright, vivid images at night.
- **130° Wide-Angle View:** Covers large outdoor areas, reducing blind spots.

- **Solar Powered:** High-performance solar panel and battery ensure year-round operation with approximately 2.5 hours of daily sunlight. Can operate for up to two months without direct sunlight.
- **AI Human Detection:** PIR-based AI technology accurately identifies human activity, reducing false alarms from animals or environmental factors. Sends real-time notifications via the app.
- **Customizable Surveillance Zones:** Allows setting priority monitoring zones (e.g., parking spaces, pools, garden corners).
- **Quick Installation:** Wireless design for flexible mounting, operational in under 5 minutes.
- **Durable Design:** IP66 certified for weather protection, operating in temperatures from -20°C to 50°C.
- **Two-Way Audio:** Built-in microphone and speaker for remote communication.
- **Secure Storage:** Supports local storage via microSD card (up to 256GB, not included) and encrypted cloud storage (7-day free trial available).

3. SETUP

3.1 Package Contents

- WOOX R8404 4G LTE Outdoor Solar Security Camera
- Mounting Bracket
- USB Charging Cable
- Screws and Wall Plugs
- User Manual

Note: Nano SIM card and microSD card are not included.

3.2 Initial Setup and App Pairing

Follow these steps to set up your WOOX R8404 camera and pair it with the WOOX Home app.

1. **Download the WOOX Home App:** Search for "WOOX Home" on the App Store (iOS) or Google Play Store (Android) and install it. Register or log in to your account.
2. **Insert SIM Card: Important: The SIM card must be inserted first.** Open the rubber cover on the back of the camera. Carefully insert a Nano SIM card with an active data plan into the SIM card slot. Ensure it is correctly oriented.
3. **Power On and Reset:** It is recommended to connect the camera to USB power during setup to ensure sufficient battery. Press and hold the power button for more than 5 seconds to turn on the camera. Then, press and hold the reset button for about 5 seconds until the camera restarts and emits a pairing prompt sound. The indicator light will flash rapidly in blue.

Video: Step-by-step guide on how to set up your WOOX R8404 Smart 4G Outdoor Camera, including SIM card insertion, power-on, reset, and app pairing process.

4. **Add Device in App:** Open the WOOX Home app. Tap the "+" icon in the top right corner to add a new device. Select the corresponding product type (e.g., Smart 4G Outdoor Camera R8404) from the product list.
5. **Scan QR Code:** The app will prompt you to scan a QR code. Position the camera to read the QR code displayed on your phone screen from 15-20 cm away. Once the camera reads the QR code, it will emit a

confirmation sound. Tap "I Heard a Prompt" in the app.

6. **Connect Device:** The app will search for and register the device to your account. Once successfully added, you can name the device. This name will also be used for integration with Amazon Alexa and Google Home.



Image: Detailed view of inserting a Nano SIM card into the WOOX R8404 camera. Ensure the SIM card is inserted correctly before powering on.



Image: A smartphone displaying a QR code for device pairing, with the camera positioned to scan it. This step connects the camera to your WOOX Home app.

3.3 Physical Installation

The camera's wireless and solar-powered design allows for flexible mounting. Choose a location with good 4G signal reception and sufficient sunlight exposure for optimal charging.

- Use the provided mounting bracket and screws to securely attach the camera to a wall or pole.
- Adjust the camera angle to cover your desired surveillance area.

Instalación en Solo 5 Minutos

Sin necesidad de cables. Alimentación solar y con batería para una verdadera operación plug-and-play.



Image: A person installing the WOOX R8404 camera on a wooden exterior wall, demonstrating the ease of wireless setup. The camera is designed for quick and flexible mounting.

4. OPERATING INSTRUCTIONS

4.1 Live View and Recording

Once connected, access the live feed from your camera through the WOOX Home app. You can view real-time footage, take snapshots, and record video directly from the app.

Seguridad 4G: monitorización en cualquier momento y lugar

Sin WiFi, sin fuente de alimentación

4G



orange™



Image: The WOOX 4G camera mounted on a building, illustrating its 4G connectivity for monitoring anytime, anywhere, without Wi-Fi or power supply. Compatible with major European mobile networks.

4.2 Power Management (Solar & Battery)

The camera features a dual power mode, combining a solar panel with a high-performance battery. Ensure the solar panel receives adequate sunlight for continuous operation.

- Approximately 2.5 hours of daily sunlight are sufficient for stable year-round operation.
- The advanced energy-saving design allows the camera to function for up to two months in cloudy, rainy, or low-light conditions.

Dual Modo de Alimentación

Garantiza el funcionamiento continuo y estable del dispositivo, incluso en días nublados o lluviosos.



Panel Solar
Alimenta y carga con luz



Batería
Energía para noche y mal tiempo

Image: Visual representation of the camera's dual power mode, highlighting the solar panel for light-based charging and the internal battery for night and bad weather operation, ensuring continuous functionality.

4.3 Night Vision

The camera automatically switches to night vision in low-light conditions. It offers both infrared and color night vision modes.

- **Color Night Vision:** Activated by the integrated fill light, providing bright and vivid images.
- **Infrared Night Vision:** Standard black and white night vision for discreet monitoring.

3 MP súper HD + visión nocturna en color

Proporciona imágenes de vigilancia nítidas las 24 horas



Vista diurna



Visión nocturna en color



Visión nocturna infrarroja

Image: A comparison of the camera's 3MP Super HD daytime view, color night vision, and infrared night vision, demonstrating its 24-hour surveillance capabilities with clear images in various lighting conditions.

4.4 AI Human Detection and Alerts

The camera uses AI to distinguish human movement from other objects, significantly reducing false alarms. When human intrusion is detected, the camera sends real-time alerts to your WOOX Home app.

- Customize detection zones to focus on specific areas.
- The camera can activate a sound and light alarm to deter intruders.

Campo de visión de 130° y detección inteligente IA

Amplia cobertura que reduce puntos ciegos, identifica con precisión
personas y vehículos para una seguridad más fiable



Image: The camera's 130° field of view with AI intelligent detection, showing how it precisely identifies people and vehicles for more reliable security, reducing blind spots.

Alarma sonora y luminosa integrada

Disuade a intrusos con destellos y sirena, y envía notificaciones a su móvil al instante



Image: An illustration of the integrated sound and light alarm deterring intruders with flashes and a siren, sending instant notifications to your mobile device.

4.5 Two-Way Audio

Use the two-way audio feature to communicate with visitors or deter unwanted guests directly through the app.

Comunicación de Voz Bidireccional

Micrófono y altavoz integrados para alertas y comunicación remota, lo que permite una protección de seguridad más eficaz.



¡Esta es una propiedad privada! ¡Prohibido el paso!

Lo siento, me voy ahora mismo.



Image: Depiction of two-way voice communication, with integrated microphone and speaker enabling remote alerts and interaction for enhanced security protection.

4.6 Storage Options

The camera supports two storage methods:

- **Local Storage:** Insert a microSD card (up to 256GB, not included) into the designated slot.
- **Cloud Storage:** Utilize the cloud storage service offered through the WOOX Home app. Advanced encryption ensures your privacy.

Dos modos de almacenamiento



Soporta almacenamiento
en la nube



Soporta tarjeta SD de hasta
256 GB (no incluida)



Image: Visual explanation of the two storage modes: support for cloud storage and local storage via a microSD card up to 256 GB (not included).

5. MAINTENANCE

The WOOX R8404 camera is designed for outdoor use and requires minimal maintenance.

- **Weather Resistance:** The camera is IP66 certified, protecting it against dust and powerful water jets. It operates reliably in temperatures ranging from -20°C to 50°C .
- **Cleaning:** Periodically wipe the camera lens and solar panel with a soft, damp cloth to ensure clear vision and efficient charging. Avoid using harsh chemicals.
- **Battery Life:** While solar-powered, prolonged periods of extreme low light may require occasional manual charging via the USB port.



Image: The camera with water droplets, highlighting its IP66 rating and robust operating temperature range of -20°C to 50°C, ensuring durability in various weather conditions.

6. TROUBLESHOOTING

If you encounter issues with your WOOX R8404 camera, refer to the following common solutions:

- **No Connection/Delayed Image Transmission:**

- Ensure the Nano SIM card is correctly inserted and has an active data plan.
- Check 4G signal strength in the camera's location. Move the camera to an area with better signal if necessary.
- Perform a device reset by pressing and holding the reset button for 5 seconds until the camera restarts. Then re-pair with the app.
- Ensure the camera has sufficient battery power. Connect it to USB power if the battery is low.

- **False Alarms:**

- Adjust the sensitivity of the AI human detection in the WOOX Home app.
- Define specific surveillance zones to exclude areas prone to non-human movement (e.g., swaying branches).

- **Poor Night Vision:**

- Ensure the camera lens is clean and free from obstructions.
- Check if the integrated fill light is functioning correctly.

- **Battery Not Charging:**

- Verify the solar panel is clean and free from dirt or debris.
- Ensure the solar panel is positioned to receive direct sunlight for several hours daily.
- In prolonged cloudy periods, consider charging the camera via the USB port.

7. SPECIFICATIONS

Feature	Specification
Model Name	4G Solar Cam R8404
Connectivity Technology	4G LTE (Cellular)
Recommended Use	Outdoor Surveillance
Special Features	Two-way audio, Built-in light, HD Resolution, Motion sensor, Night vision (Infrared & White Light)
Indoor/Outdoor Use	Outdoor
Compatible Devices	Smartphone, Tablet
Power Source	Rechargeable battery, Solar panel charging
Controller Type	WOOX Home APP
Mounting Type	Wall Mount
Color	Black, White
Material Type	Acrylonitrile Butadiene Styrene (ABS), Polycarbonate (PC)
Water Resistance Level	Water Resistant (IP66)
Alert Type	Motion
Lamp Type	Infrared Lights, LED
Video Recording Resolution	1296p (2K)
Frame Rate	15 frames per second
Video Encoding	H.264
Video Capture Format	MP4
Night Vision Range	8 Meters
Max Flash Memory Support	256 GB (Micro SD)
Voltage	5 Volts
Power	7.5 Watts
Battery Capacity	10400 mAh
Viewing Angle	120 Degrees (Note: Feature bullets state 130 degrees, using 120 from specs table)
Optical Sensor Technology	CMOS

Item Dimensions	13 x 8 x 4 centimeters
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8. WARRANTY AND SUPPORT

WOOX products are designed and manufactured to the highest quality standards. In the unlikely event of a defect, WOOX provides a limited warranty from the date of purchase. Please retain your proof of purchase for warranty claims.

For technical support, troubleshooting assistance, or warranty inquiries, please visit the official WOOX website or contact their customer service through the WOOX Home app. Detailed contact information can typically be found on the product packaging or the official website.

Please note that the warranty may not cover damages caused by improper installation, misuse, unauthorized modifications, or natural disasters.