

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

> [Woox](#) /

> [WOOX 2.5K 4MP Solar Wireless Outdoor WiFi Surveillance Camera User Manual](#)

## Woox R8482

# WOOX 2.5K 4MP Solar Wireless Outdoor WiFi Surveillance Camera User Manual

Model: **R8482**

## 1. INTRODUCTION

---

Thank you for choosing the WOOX 2.5K 4MP Solar Wireless Outdoor WiFi Surveillance Camera. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your camera to ensure optimal performance and security. Please read this manual thoroughly before use and keep it for future reference.

This advanced surveillance camera features a 4MP 2.5K resolution, 130° wide-angle lens, dual-mode night vision, precise PIR human detection, and IP66 weather resistance. Its integrated solar panel and high-capacity 10400 mAh battery provide continuous, wire-free operation, making it an ideal solution for outdoor security.

## 2. PRODUCT OVERVIEW

---

### 2.1 Package Contents

- WOOX 2.5K 4MP Solar Wireless Outdoor WiFi Surveillance Camera
- USB-C Cable
- Screw Set for mounting
- User Manual
- Mounting Supports

### 2.2 Camera Components



Figure 2.1: Front view of the WOOX Solar Wireless Outdoor Camera, showing the lens, LED lights, and solar panel on top.

# Protection Certifiée IP66

Résiste à toutes les intempéries. Fiabilité garantie même en cas de tempête, poussière ou gel



Sunshine



Waterproof



Snow

Figure 2.2: The WOOX camera demonstrating its IP66 weather resistance, shown under rain and snow conditions, highlighting its robust design.

The camera is designed for outdoor use with an IP66 waterproof rating, ensuring reliable operation in various weather conditions including rain and snow. Its robust monobloc casing provides shock absorption and durability.

## 3. SETUP

### 3.1 Initial Charging and Power



Figure 3.1: Close-up of the integrated solar panel on the WOOX camera, illustrating its self-sustaining power capability with a 10400 mAh battery.

Before first use, ensure the camera's integrated 10400 mAh battery is sufficiently charged. The 5W integrated solar panel provides continuous power, requiring only about 2.5 hours of daily sunlight for permanent operation. Even in cloudy conditions, the low-power technology can provide up to 150 days of autonomy.

### 3.2 App Installation and Pairing

To control and monitor your camera, download the official WOOX Home app from your smartphone's app store (iOS or Android). Follow the in-app instructions to create an account and add your camera. Ensure your Wi-Fi network is stable during the pairing process.

### 3.3 Camera Mounting



Figure 3.2: A person installing the WOOX camera on an exterior wall, demonstrating the simple 3-step mounting process: position, drill, and screw.

The camera offers ultra-simple 5-minute installation. Choose a suitable outdoor location with good Wi-Fi signal and adequate sunlight exposure for the solar panel. The installation involves three steps: positioning the camera, drilling holes,

and screwing the camera into place. No external wiring or solar panel setup is required.

1. **Positioning:** Select the desired mounting spot on a wall, fence, or facade.
2. **Drilling:** Use the provided screw set to mark and drill the necessary holes.
3. **Screwing:** Securely attach the camera to the wall using the screws.

## 4. OPERATING INSTRUCTIONS

---

### 4.1 Live View and Video Quality



Figure 4.1: Comparison of 2K and 2.5K video quality, demonstrating the superior clarity of the WOOX camera's 2.5K (4MP) resolution.

Access the live feed of your camera through the WOOX Home app. The camera features a 4MP (2560 × 1440) CMOS sensor, providing continuous 2.5K ultra-clear image quality. The 130° ultra-wide-angle lens ensures comprehensive coverage of outdoor areas, minimizing blind spots.

## 4.2 Motion Detection and Alerts

# Détection Intelligente de Personnes

Précision accrue grâce à un capteur PIR hautement sensible - 95% de fausses alertes en moins comparativement aux caméras standard



Figure 4.2: Illustration of the WOOX camera's intelligent human detection, highlighting how it accurately identifies human movement while ignoring pets.

The camera utilizes a precise PIR sensor with AI integration for accurate human detection, reducing false alarms from animals or environmental factors. When an intruder is detected, the camera automatically triggers sound and visual alerts.

# Alerte Sonore et Lumineuse Dissuasive

Active automatiquement des flashes stroboscopiques et une sirène puissante pour repousser les intrus



Figure 4.3: The WOOX camera activating its 100dB siren and flashing deterrent light to scare away an intruder, demonstrating its active defense capabilities.

You can customize detection zones within the app (e.g., driveway, pool area, garden) to ensure the camera only reacts to movement in specified areas, enhancing targeted protection.

# Barrière Virtuelle Intelligente

Zones de détection personnalisables  
(ex : surveillance prioritaire des places de parking)



Figure 4.4: Diagram illustrating the smart virtual barrier feature, allowing users to define custom detection zones, such as a parking area, for prioritized surveillance.

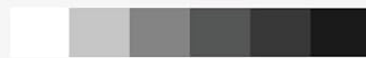
## 4.3 Night Vision Modes

# Vision Nocturne en Couleur & Infrarouge

4 LEDs blancs + 6 LEDs infrarouges, portée de 15 mètres  
Imagerie claire même dans l'obscurité totale



Mode couleur intégrale



Mode infrarouge

Figure 4.5: Comparison of full-color night vision and infrared night vision modes, showing the clarity provided by the WOOX camera's 4 white LEDs and 6 infrared LEDs.

The camera is equipped with 4 white LEDs and 6 infrared LEDs, offering dual night vision modes:

- **Full-Color Mode:** Provides high-brightness color images, similar to daytime quality.
- **Infrared Mode:** Offers discreet black and white vision.

With intelligent switching and a night vision range of up to 20 meters, the camera captures clear details without glare, ensuring continuous surveillance day and night.

## 4.4 Two-Way Audio

The camera supports two-way audio communication, allowing you to listen in and speak through the camera using the WOOX Home app. This feature is useful for communicating with visitors or deterring unwanted guests.

## 4.5 Storage Options

Your video recordings can be stored in two ways:

- **Local Storage:** Insert a microSD card (up to 256GB, not included) into the camera for local recording.
- **Cloud Storage:** Utilize the cloud storage service via the WOOX Home app. A 7-day free trial is typically available. All data is secured with end-to-end encryption, ensuring your privacy even if the camera is damaged or stolen.

# 5. MAINTENANCE

---

## 5.1 Cleaning

Regularly clean the camera lens and solar panel with a soft, damp cloth to ensure clear image quality and efficient solar charging. Avoid using harsh chemicals or abrasive materials that could damage the surfaces.

## 5.2 Battery Care

While the solar panel keeps the battery charged, ensure the camera receives sufficient sunlight. If the camera is installed in a shaded area or during prolonged cloudy periods, you may need to occasionally charge the battery via the USB-C port to maintain optimal performance.

## 5.3 Firmware Updates

Keep your camera's firmware updated through the WOOX Home app. Firmware updates often include performance improvements, new features, and security enhancements.

# 6. TROUBLESHOOTING

---

## 6.1 Common Issues and Solutions

Issue	Possible Cause	Solution
Camera offline	Weak Wi-Fi signal, low battery, router issue.	Check Wi-Fi signal strength, ensure camera is charged, restart router.
Poor image quality	Dirty lens, insufficient lighting, network bandwidth.	Clean the lens, ensure adequate lighting, check network speed.
False motion alerts	PIR sensitivity too high, detection zone too wide.	Adjust PIR sensitivity in the app, refine detection zones.

Issue	Possible Cause	Solution
Battery not charging	Insufficient sunlight, dirty solar panel.	Relocate camera to a sunnier spot, clean solar panel.

## 7. SPECIFICATIONS

<b>Model Name</b>	R8482
<b>Brand</b>	Woox
<b>Connectivity Technology</b>	Wi-Fi
<b>Video Recording Resolution</b>	1440p (2.5K)
<b>Image Sensor</b>	4 MP CMOS
<b>Viewing Angle</b>	130 Degrees
<b>Night Vision Range</b>	20 Meters
<b>Power Source</b>	Solar powered (5W integrated solar panel)
<b>Battery Type/Capacity</b>	Lithium-ion, 10400 mAh
<b>Water Resistance Level</b>	IP66 (Waterproof)
<b>Material</b>	Acrylonitrile Butadiene Styrene (ABS), Polycarbonate (PC)
<b>Dimensions (L x W x H)</b>	12.9 x 8.4 x 4.2 cm
<b>Weight</b>	500 grams
<b>Special Features</b>	Two-way audio, Motion detector, Sound-triggered recording, HD Resolution, Night vision, Human shape detection, Light and sound alarm
<b>Usage Environment</b>	Outdoor
<b>Mounting Type</b>	Wall mount

## 8. WARRANTY AND SUPPORT

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

You can visit the [Woox Store on Amazon](#) for more product information and support resources.

