REOLINK Argus 4 Pro+Reolink Solar Panel 2

REOLINK 4K Solar Outdoor Camera User Manual

Model: Argus 4 Pro+Reolink Solar Panel 2
Brand: REOLINK

1. Product Overview

The REOLINK 4K Solar Outdoor Camera is an advanced security solution featuring dual-lens technology for a 180-degree panoramic view, 4K Ultra HD resolution, and ColorX Night Vision for full-color clarity in low light. Powered by a solar panel, this camera offers a 100% wireless setup and smart AI detection for people, vehicles, and animals. It supports local storage without subscription fees and utilizes Wi-Fi 6 for enhanced connectivity.



Figure 1.1: REOLINK 4K Solar Outdoor Camera with Solar Panel



Figure 1.2: Key Features Overview

2. Product Components

Familiarize yourself with the various parts of your REOLINK camera:



Figure 2.1: Camera Component Diagram

- **Daylight Sensor:** Detects ambient light for automatic mode switching.
- **Spotlight:** Provides illumination for color night vision.
- **Mic:** Captures audio for two-way communication and recording.
- **PIR Sensor:** Passive Infrared sensor for motion detection.
- **Speaker:** Outputs audio for two-way communication and alerts.
- **USB-C Port:** For initial charging and power connection.
- **microSD Card Slot:** For local video storage (up to 512GB, card sold separately).
- **Power Switch:** To turn the camera on/off (press and hold for two seconds to power on).
- **Dust Cover:** Protects the ports from environmental elements.

3. Setup Guide

3.1 Initial Charging and Power On

Before first use, ensure the camera is fully charged using the provided USB-C cable. Once charged, press and hold the power switch for two seconds to turn on the camera.

3.2 App Installation and Connection

1. Download the REOLINK App from your device's app store (iOS or Android).
2. Open the app and follow the on-screen instructions to add your camera. The camera supports Bluetooth pairing for easy initial setup.
3. Connect the camera to your Wi-Fi network. The camera supports dual-band Wi-Fi 6 (2.4GHz/5GHz) for optimal performance.

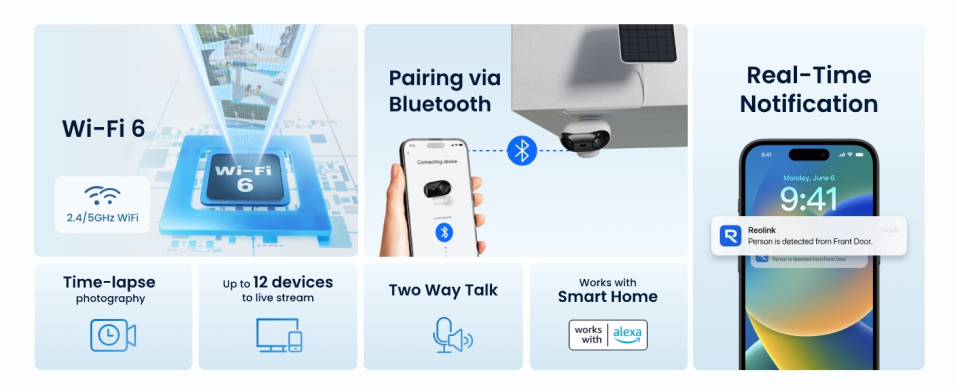


Figure 3.1: Connectivity and App Features

3.3 Mounting and Solar Panel Placement

The camera can be mounted on a ceiling or wall. Position the solar panel in an area that receives maximum direct sunlight throughout the day to ensure continuous power. The 4-meter cable provides flexibility for optimal solar panel placement while keeping the camera under an eave for protection.

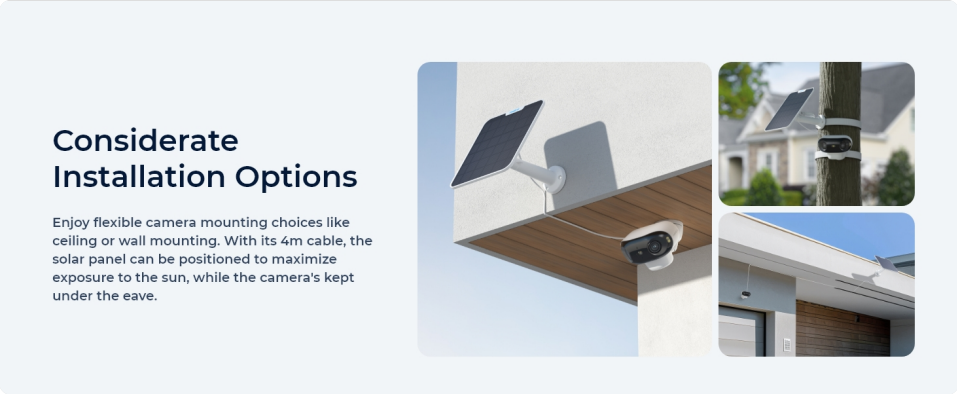


Figure 3.2: Installation Options

3.4 MicroSD Card Installation

Insert a microSD card (up to 512GB, sold separately) into the designated slot on the camera for local video storage. Ensure the camera is powered off before inserting or removing the card.

4. Operation

4.1 Smart AI Detection

The camera utilizes advanced AI to distinguish between people, vehicles, and animals, reducing false alarms. You can customize detection zones and sensitivity settings within the REOLINK App.

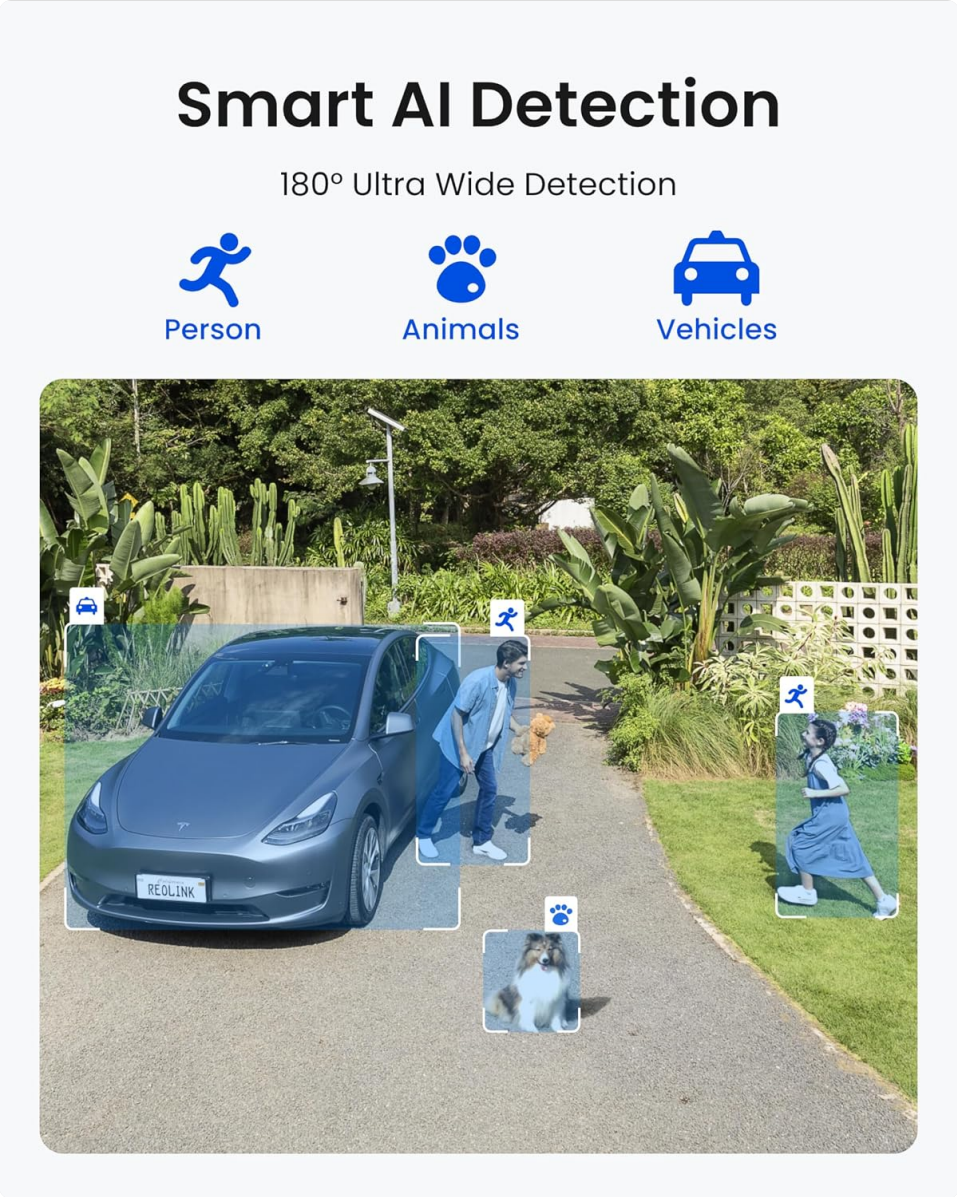


Figure 4.1: Smart AI Detection in Action



Figure 4.2: Smart Detection Features

4.2 180° Dual-Lens View

The dual-lens system provides a seamless 180-degree panoramic view, eliminating blind spots and offering comprehensive coverage of your property in 4K resolution.

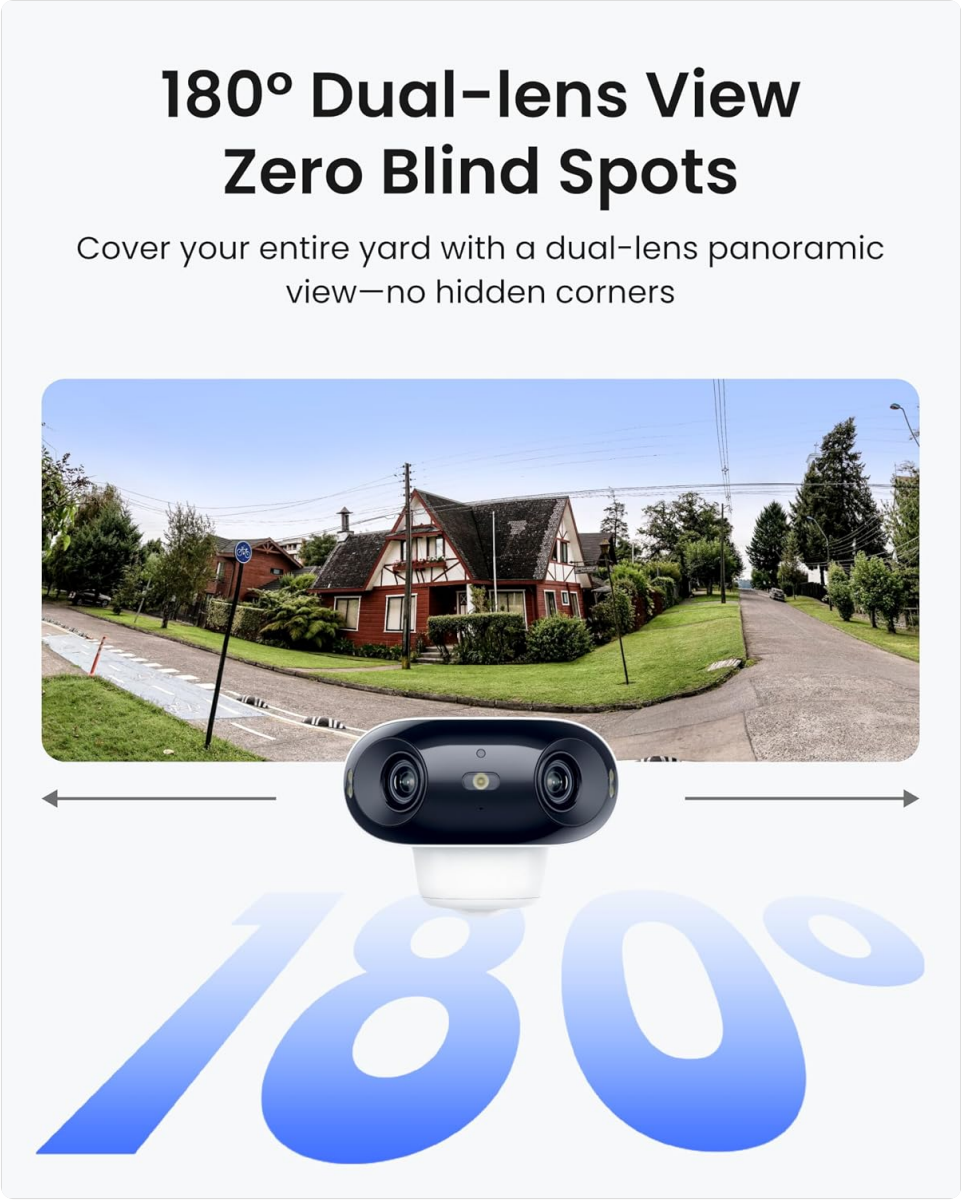


Figure 4.3: 180-Degree Panoramic View

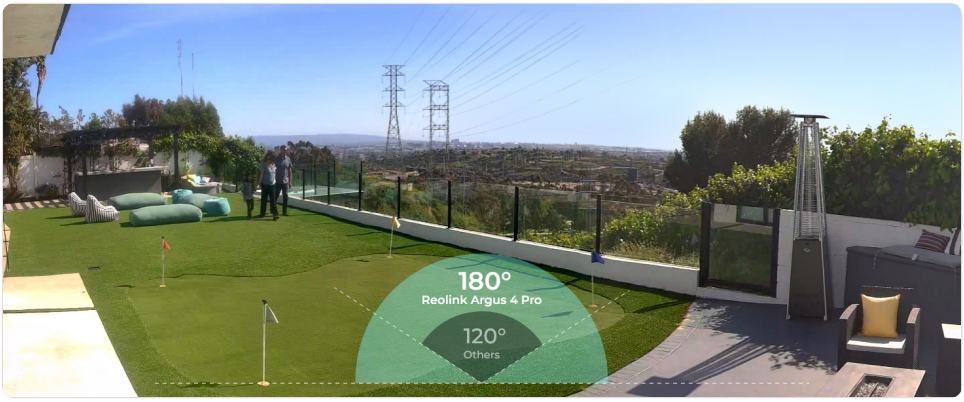


Figure 4.4: Wide View Comparison

4.3 ColorX Night Vision

Experience full-color night vision without the need for spotlights or infrared. The F/1.0 aperture and 1/1.8-inch sensor capture vivid details even in extremely low light conditions.

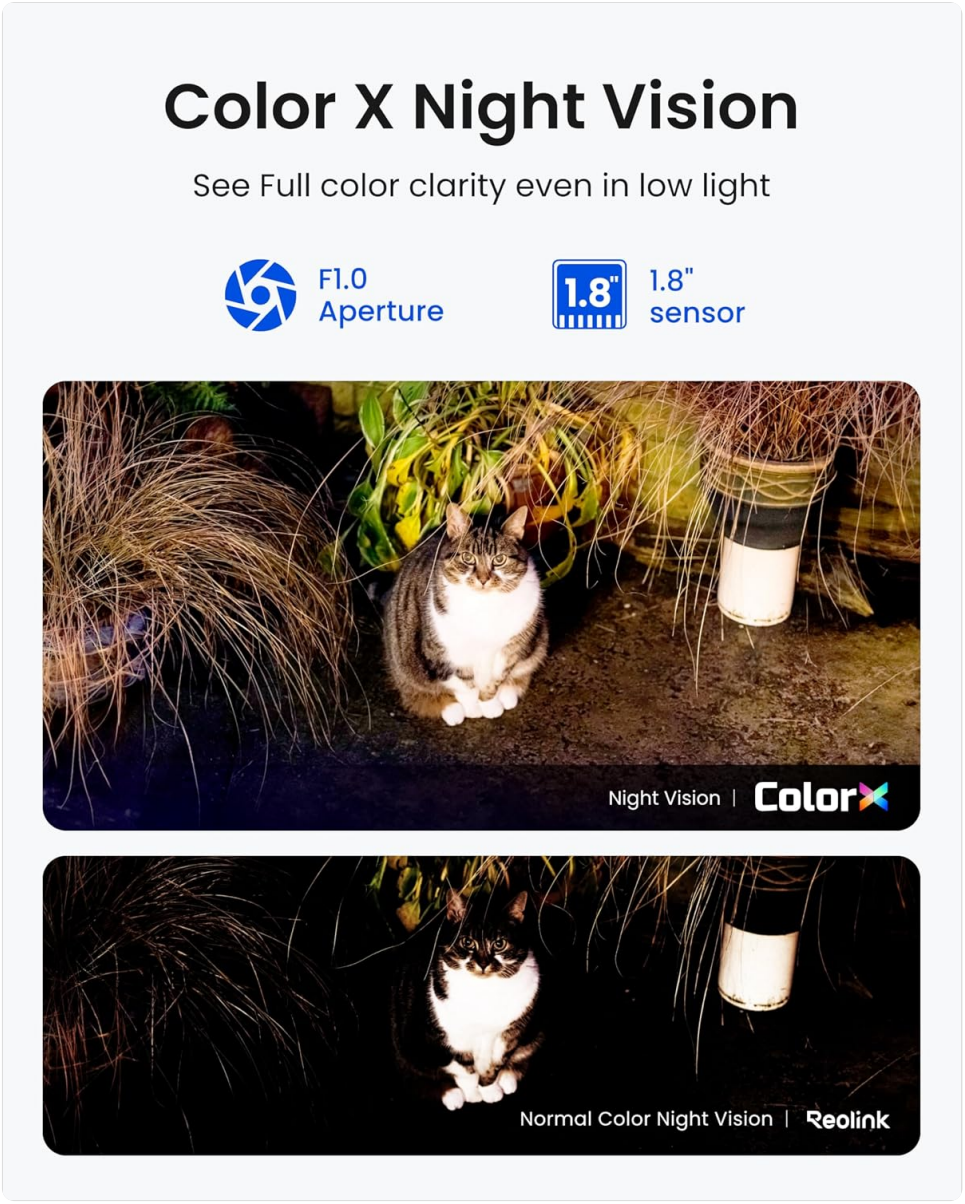


Figure 4.5: ColorX Night Vision Clarity

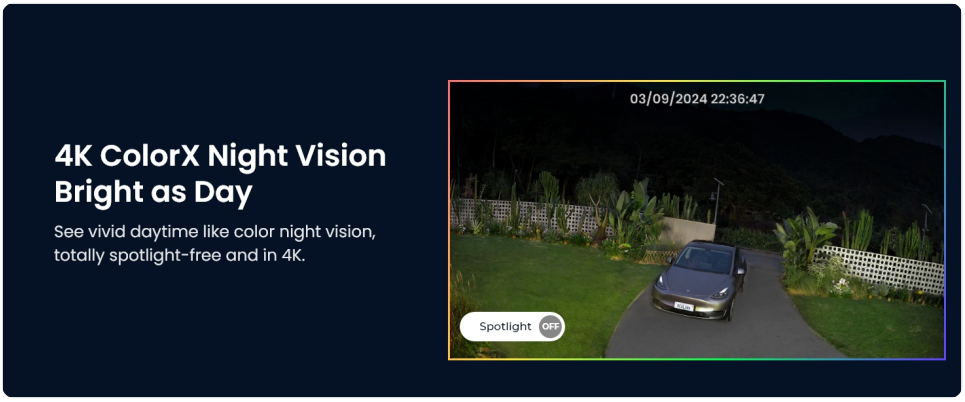


Figure 4.6: ColorX Night Vision Example



Figure 4.7: Super Aperture Lens & CMOS Sensor

4.4 4K UHD Video

Capture every detail with stunning 4K Ultra High Definition video recording, providing superior clarity for monitoring and playback.

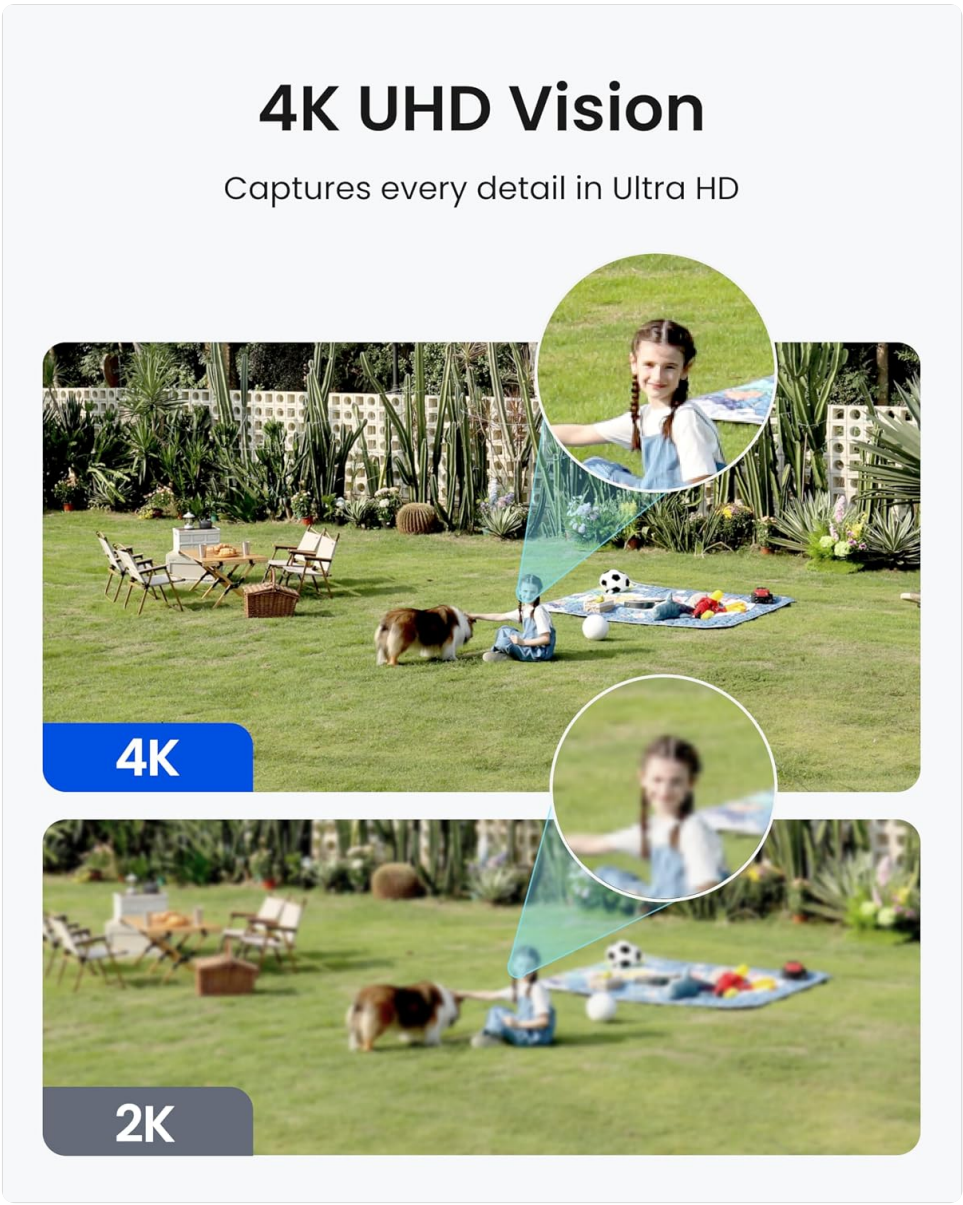


Figure 4.8: 4K UHD Vision Detail

4.5 Two-Way Talk

Communicate directly with visitors or deter intruders using the built-in microphone and speaker, accessible through the

REOLINK App.

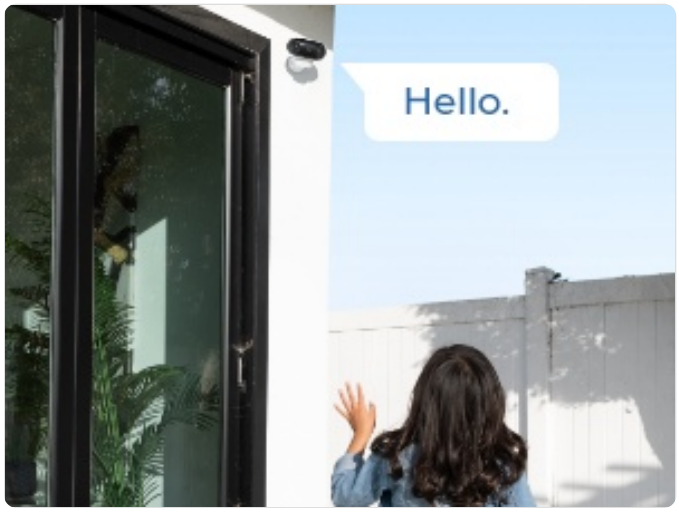


Figure 4.9: Two-Way Talk Functionality

4.6 Time-Lapse Photography

Capture long-term events, such as construction projects or seasonal changes, by setting up time-lapse recording.

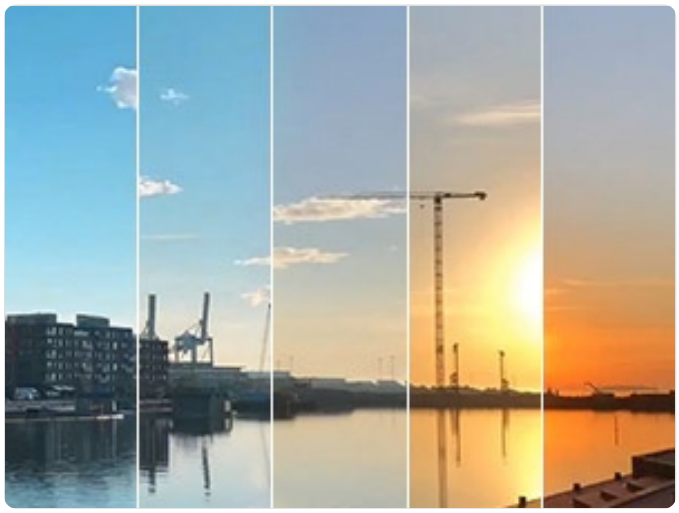


Figure 4.10: Time-Lapse Photography

4.7 Live Stream & User Accounts

The camera supports up to 12 online streams and 10 user accounts, allowing multiple users to view live feeds simultaneously.



Figure 4.11: Multi-User Live Streaming

4.8 Local Storage Options

Store all your recordings locally on a microSD card (up to 512GB) or integrate with a Reolink Home Hub (supports up to 2x512GB microSD cards). RTSP/NAS Home Assistant are supported when paired with Home Hub/Pro. No monthly subscription fees are required for local storage.



Figure 4.12: Flexible Storage Options

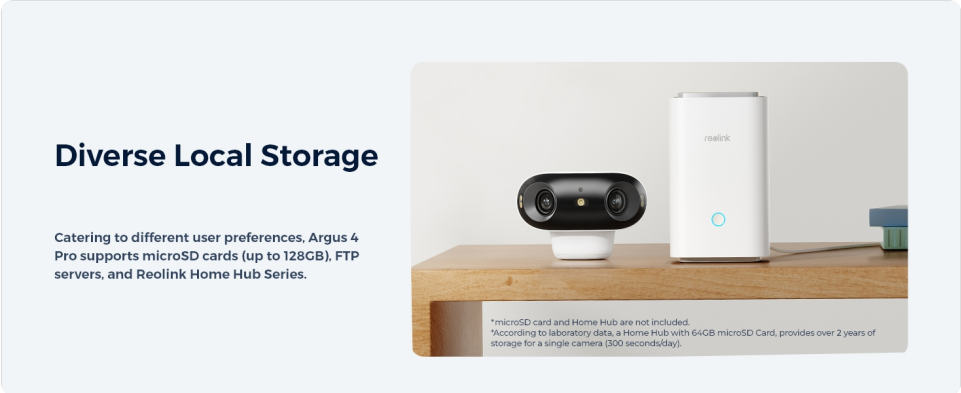


Figure 4.13: Diverse Local Storage Solutions

5. Maintenance

5.1 Solar Panel Care

To ensure optimal charging efficiency, periodically clean the surface of the solar panel to remove dust, dirt, or debris. A soft, damp cloth is recommended. Avoid abrasive cleaners.

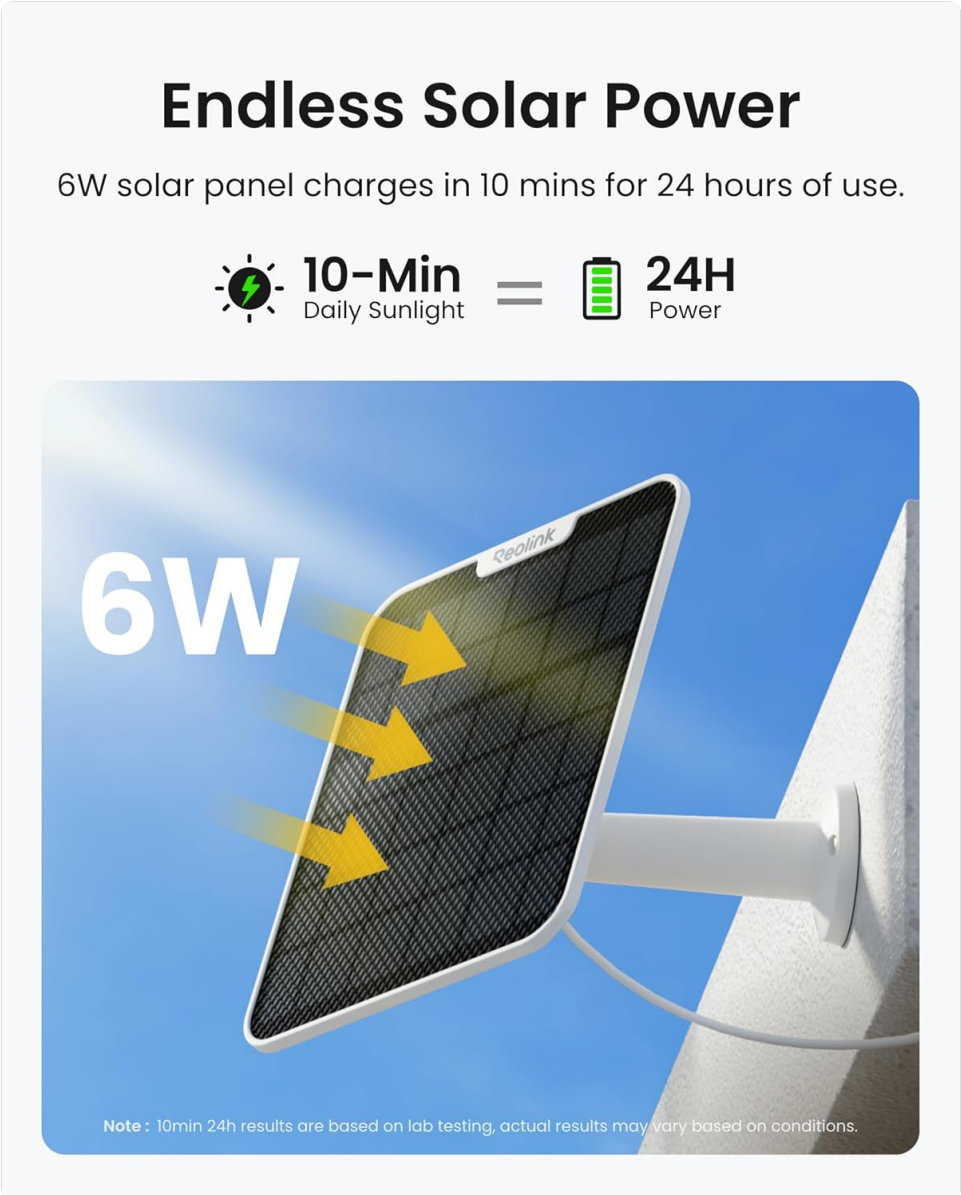


Figure 5.1: Solar Power Efficiency

5.2 Camera Cleaning

Gently wipe the camera lens and body with a soft, lint-free cloth. Do not use harsh chemicals or solvents that could damage the camera's finish or optical components.

5.3 Battery Life Management

The camera is designed for extended battery life, especially when paired with the solar panel. Factors like frequent live view, extensive motion detection, and extreme temperatures can affect battery performance. Ensure the solar panel is positioned for maximum sunlight exposure.

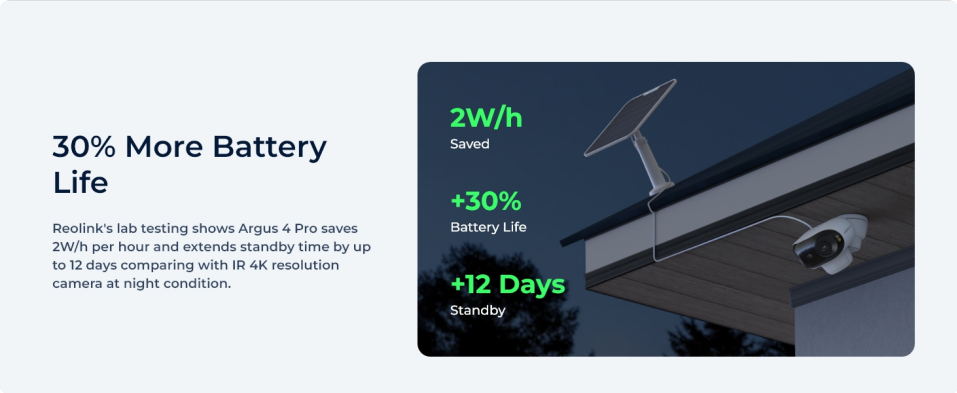


Figure 5.2: Extended Battery Life

6. Troubleshooting

6.1 Connectivity Issues

- **Camera offline:** Check Wi-Fi signal strength. Ensure the camera is within range of your router. Reboot the camera and router.
- **Slow live view:** Verify your internet speed. Ensure no other devices are heavily utilizing bandwidth. The camera supports Wi-Fi 6 for better performance.



Figure 6.1: Dual Band Wi-Fi 6

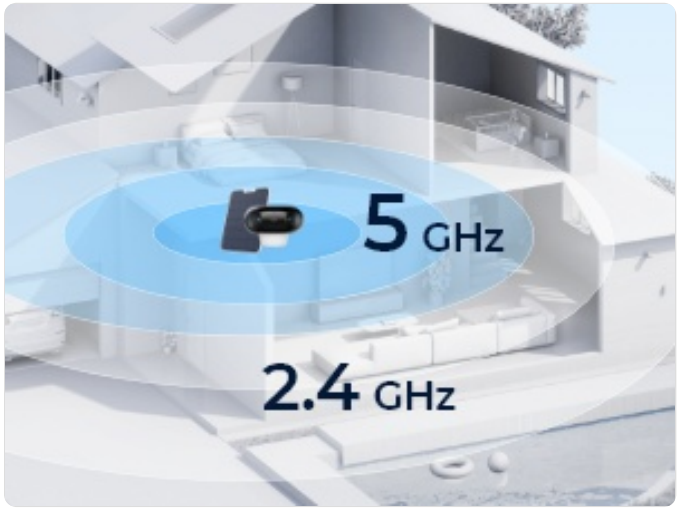


Figure 6.2: Wi-Fi Frequency Ranges

6.2 Detection Issues

- **False alarms:** Adjust detection sensitivity and set up specific motion zones in the app to exclude irrelevant areas.
- **Missed detections:** Ensure the camera's view is clear and not obstructed. Increase sensitivity if necessary.

6.3 Night Vision Problems

- **Poor color night vision:** Ensure there is sufficient ambient light for ColorX to function optimally. Clean the camera lens.

7. Specifications

Feature	Specification
Model Number	Argus 4 Pro+Reolink Solar Panel 2
Video Capture Resolution	8 MP (4K UHD)
Low Light Technology	ColorX Night Vision (F/1.0 aperture, 1/1.8 sensor)
View Angle	180° Dual-Lens Panoramic
Detection	Human/Vehicle/Animal Detection
Power Source	Solar Powered, Battery Powered
Connectivity Protocol	Wi-Fi (Wi-Fi 6, 2.4GHz/5GHz)
Local Storage	microSD card (Up to 512GB), Reolink Home Hub, FTP
International Protection Rating	IP66
Mounting Type	Ceiling Mount & Wall Mount
Included Components	1*Camera
Product Dimensions	5.03 x 3.43 x 3.2 inches
Item Weight	3.78 pounds
Batteries	1 9V batteries required (included)

8. Warranty and Support

8.1 Warranty Information

Your REOLINK 4K Solar Outdoor Camera comes with a**2-Year Limited Warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product functions as intended under normal use. Please retain your proof of purchase for warranty claims.

8.2 Money Back Guarantee

REOLINK offers a **30-Day Money Back Guarantee** and free returns. Refer to the retailer's return policy for specific details.

8.3 Customer Support

For technical assistance, troubleshooting, or any product-related inquiries, REOLINK provides**24/7 Online Support**. Please visit the official REOLINK website for contact information and support resources.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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