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FKPCAM FK-HC40

FKPCAM 4K 64MP Solar Trail Camera User Manual

Model: FK-HC40

1. Introduction

Thank you for choosing the FKPCAM 4K 64MP Solar Trail Camera. This manual provides detailed instructions for setting up, operating, and maintaining your camera to ensure optimal performance. This camera is designed for wildlife monitoring, hunting, and outdoor surveillance, offering high-resolution imaging and reliable performance in various environmental conditions.

Package Contents

Please verify that all items listed below are included in your package:

- 1 x FKPCAM Trail Camera
- 1 x Solar Panel
- 1 x Solar Panel Mounting Bracket
- 1 x Support Base Kit
- 1 x USB Cable (Type-C)
- 1 x 64GB Memory Card
- 2 x 2500mAh Rechargeable Batteries (pre-installed or separate)
- 1 x Camera Strap
- 1 x Screw Accessories Kit
- 1 x User Manual (this document)

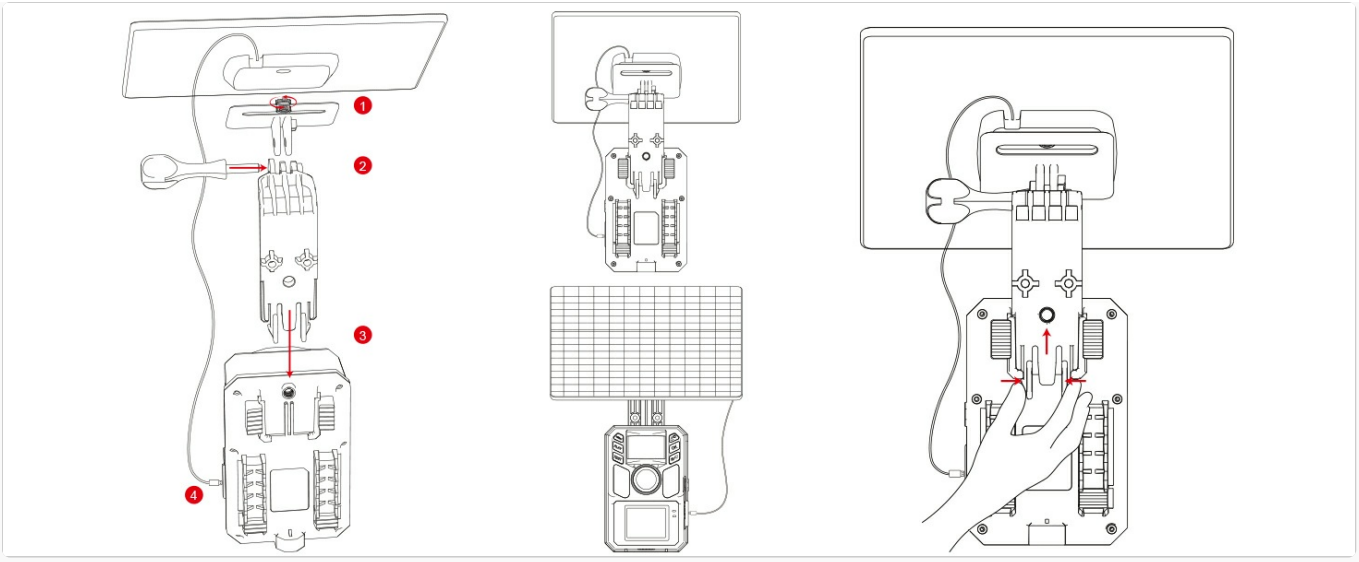


Figure 1: Solar Panel Installation Diagram
This diagram illustrates the step-by-step process of attaching the solar panel to the trail camera, ensuring proper alignment and connection.

2. Product Features

- **High-Resolution Imaging:** Captures 4K UHD videos and 64MP still images, ensuring clear and detailed recordings.
- **Dual Power System:** Equipped with a 5000mAh rechargeable battery and a detachable solar panel for continuous power, offering up to 365 days of standby time.
- **Ultra-Fast Trigger Speed:** Features a 0.1-second trigger speed and supports 1 to 5 photo bursts to capture fast-moving subjects.
- **Wide Detection Angle:** 130-degree PIR (Passive Infrared) detection angle with a range of up to 30 meters (98 feet) for extensive coverage.
- **Advanced Night Vision:** Utilizes 850nm low-glow infrared LEDs for discreet night vision up to 20 meters (65 feet), producing clear black and white images without disturbing wildlife.
- **Durable and Weatherproof:** IP67 waterproof and dustproof rating, designed to operate reliably in extreme temperatures from -30°C to 70°C (-22°F to 158°F).
- **User-Friendly:** No Wi-Fi or app required for operation, simplifying setup and use.



Figure 2: 4K Video and 64MP Photo Quality
This image showcases the high-quality output of the camera, with a clear 4K video frame of a raccoon and a sharp 64MP photo of a young deer.

3. Setup Guide

3.1 Battery and Memory Card Installation

1. Open the camera's battery compartment.
2. Insert the two 2500mAh rechargeable batteries, ensuring correct polarity. The camera uses these two batteries to achieve a total capacity of 5000mAh.
3. Insert the provided 64GB SD card into the memory card slot. The camera supports SD cards up to 128GB. Ensure the card is inserted correctly until it clicks into place.
4. Close the battery compartment securely to maintain the IP67 waterproof seal.

3.2 Solar Panel Attachment and Charging

1. Attach the solar panel to the camera using the provided solar panel mounting bracket. Refer to Figure 1 for visual guidance.
2. Connect the solar panel's power cable to the camera's charging port.
3. The camera can be charged via the solar panel when exposed to sunlight or directly via the included Type-C USB cable connected to a power adapter (not included).
4. During charging, a red light will illuminate. It will turn off once the battery is fully charged.

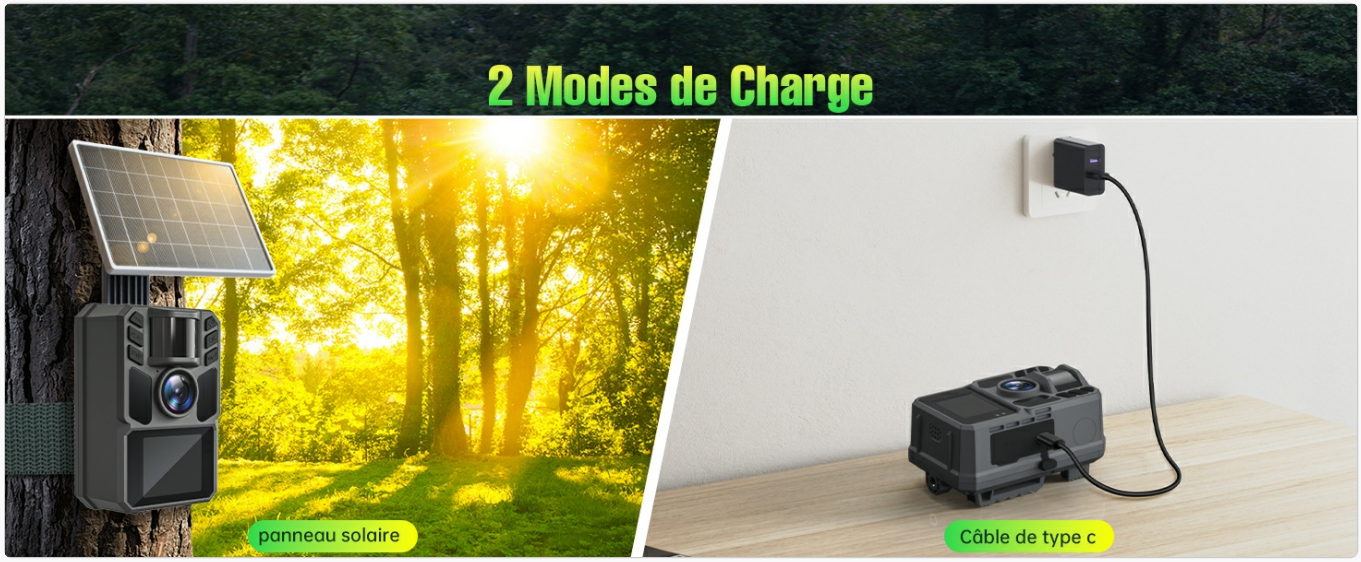


Figure 3: Two Charging Modes
This image illustrates the flexibility of charging the camera either through its integrated solar panel under sunlight or by connecting it to a power source using the Type-C USB cable.

3.3 Mounting the Camera

1. Use the provided camera strap to secure the camera to a tree or pole. Ensure it is tightly fastened to prevent movement.
2. Alternatively, use the support base kit and screw accessories to mount the camera on a flat surface or wall.
3. Position the camera to cover the desired area, considering the 130-degree detection angle and 30-meter detection range.



Figure 4: Camera with Solar Panel Mounted

The image shows the FKPCAM camera securely mounted on a tree with its solar panel, demonstrating its outdoor deployment for wildlife observation.

4. Operating Instructions

4.1 Powering On/Off

- To power on the camera, slide the power switch to the 'ON' position.
- To power off, slide the switch to the 'OFF' position.

4.2 Mode Selection

The camera typically offers three main modes:

- **Photo Mode:** Captures still images when triggered by motion.
- **Video Mode:** Records video clips when triggered by motion.
- **Photo + Video Mode:** Captures a still image followed by a video clip when triggered.

Use the mode switch or menu options on the integrated screen to select your desired mode.

4.3 Menu Navigation and Settings

The camera features an integrated screen for easy menu navigation and settings adjustment. Use the control buttons (usually 'MENU', 'UP', 'DOWN', 'OK') to:

- Set Date and Time.
- Adjust Photo Resolution (e.g., 64MP).
- Adjust Video Resolution (e.g., 4K, 2.7K, 1080P).
- Configure PIR Sensitivity (High, Medium, Low) based on the environment to avoid false triggers.
- Set Trigger Interval (delay between detections).
- Format the SD card (**Warning:** This will erase all data on the card).
- Review captured photos and videos.



Figure 5: Camera with Integrated Screen
This image provides a clear view of the camera's front, highlighting the integrated screen which allows for direct menu navigation and content review.

4.4 Recording and Playback

- Once configured and powered on, the camera will automatically enter monitoring mode. It will capture images or videos when motion is detected within its PIR range.
- To view recordings, switch the camera to 'TEST' or 'PLAY' mode (depending on the model's specific switch labels) and navigate through the files using the control buttons.
- You can also connect the camera to a computer using the USB cable to transfer files, or insert the SD card directly into a card reader.



Figure 6: Ultra-Fast Trigger Speed
This composite image illustrates the camera's rapid response, capturing a deer mid-jump with its 0.1-second trigger speed, ensuring no critical moment is missed.

5. Maintenance

- **Cleaning:** Regularly clean the camera lens, PIR sensor, and solar panel with a soft, dry cloth to ensure clear images and efficient charging. Avoid abrasive materials or harsh chemicals.
- **Battery Check:** Monitor the battery level periodically via the camera's display. Although the solar panel provides continuous power, prolonged periods of low light may require manual charging via the Type-C cable.

- **SD Card Management:** Format the SD card every few months or after significant use to maintain optimal performance and prevent data corruption. Back up important files before formatting.
- **Waterproof Seals:** Ensure the rubber seals around the battery compartment and ports are clean and properly seated to maintain the IP67 waterproof rating.
- **Storage:** When not in use for extended periods, store the camera in a cool, dry place with the batteries removed.



Figure 7: IP67 Waterproof Performance
The image shows the camera operating effectively during rainfall, highlighting its robust IP67 waterproof design, suitable for various outdoor conditions.

6. Troubleshooting

Problem	Possible Cause	Solution
Camera not powering on.	Low battery or incorrect battery installation.	Charge the batteries fully. Ensure batteries are inserted with correct polarity.
Camera not detecting motion or slow trigger.	PIR sensitivity too low, obstruction, or incorrect placement.	Increase PIR sensitivity in settings. Ensure no obstructions in front of the sensor. Avoid placing behind glass, as PIR sensors do not work through glass.
Poor image/video quality.	Dirty lens, low light conditions, or incorrect resolution settings.	Clean the lens. Ensure adequate lighting or verify night vision is active. Check resolution settings in the menu.
SD card error.	SD card full, corrupted, or incompatible.	Format the SD card (backup data first). Try a different compatible SD card (up to 128GB).
Red LEDs flash during recording.	This is normal operation for some models to indicate recording.	No action required. If you prefer less visibility, ensure the camera is positioned discreetly.
Water ingress despite IP67 rating.	Improperly closed compartment or damaged seal.	Ensure all compartments are securely closed and rubber seals are intact and free of debris.

7. Specifications

Feature	Specification
Brand	FKPCAM
Model Name	FK-HC40
Photo Resolution	64 Megapixels
Video Recording Resolution	4K, 2.7K, 1080P (AVI format)
Trigger Speed	0.1 seconds
PIR Detection Angle	130 Degrees
PIR Detection Distance	Up to 30 meters (98 feet)
Night Vision Range	Up to 20 meters (65 feet)
IR LEDs	850nm Low-Glow Infrared
Power Source	5000mAh Rechargeable Battery (2x 2500mAh), Solar Panel
Memory Type	SD Card (64GB included)
Max Memory Supported	128GB
Waterproof Rating	IP67
Operating Temperature	-30°C to 70°C (-22°F to 158°F)
Dimensions	11.5 x 7.5 x 5.8 cm
Color	Grey

8. Warranty and Support

FKPCAM products are designed for reliability and performance. For specific warranty details, please refer to the warranty card included with your purchase or contact your retailer. If you encounter any issues or have questions regarding your FKPCAM Solar Trail Camera, please reach out to the customer support provided by your point of purchase.

Please retain your proof of purchase for any warranty claims.

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