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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 camera is designed for wildlife monitoring, outdoor surveillance, and property security, offering high-resolution imaging and reliable performance in various environmental conditions. Featuring a 4K video resolution, 64MP photo capability, and an integrated solar panel with a 5000mAh rechargeable battery, it provides extended operation without frequent battery changes. Its robust IP67 waterproof design ensures durability in harsh weather.



The FKPCAM Solar Trail Camera captures wildlife day and night. Please note: This model does not support Wi-Fi or app connectivity.

2. Package Contents

Please check the package contents to ensure all items are present:

- 1 x FKPCAM 4K 64MP Trail Camera
- 1 x Solar Panel
- 1 x Solar Panel Mounting Bracket

- 1 x Support Base Kit
- 1 x 64GB Memory Card
- 1 x USB Type-C Cable
- 1 x Camera Mounting Strap
- 1 x User Manual (this document)
- 1 x Screw Accessories (for installation)



Illustration of the complete package contents.

3. Product Features

- **Dual Power System:** Equipped with a 5000mAh rechargeable lithium-ion battery and a detachable solar panel, ensuring continuous power and extended battery life up to 365 days.



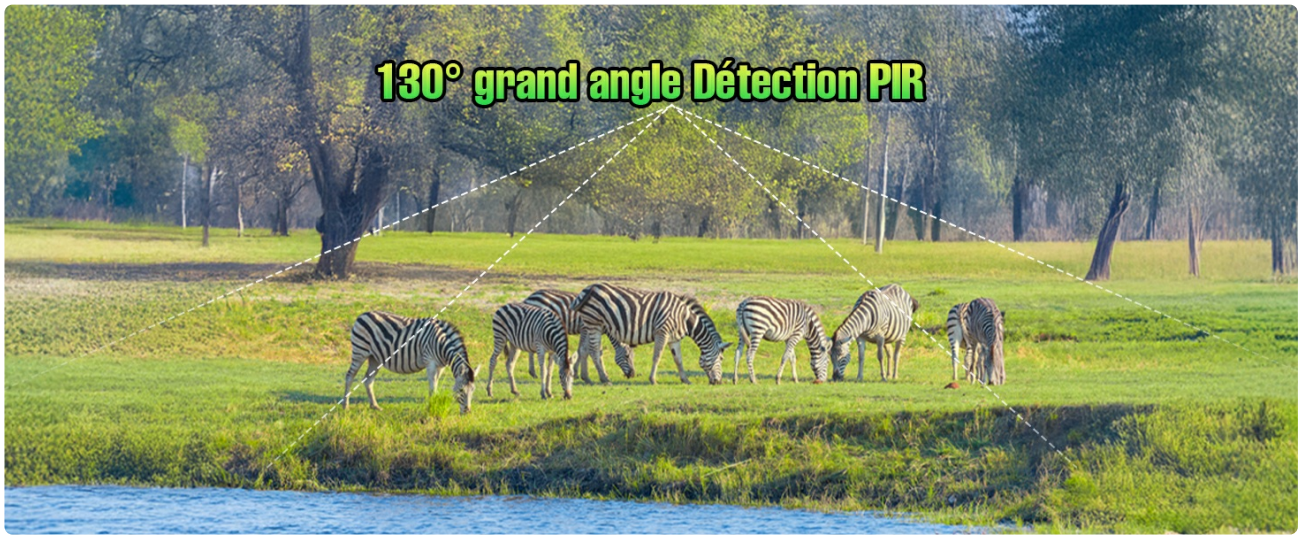
The camera features both an internal rechargeable battery and a solar panel for reliable power.

- **Ultra-Clear Imaging:** Captures stunning 4K UHD videos with sound and high-resolution 64MP still images, ensuring every detail is recorded with clarity.



Experience superior image and video quality with 4K video and 64MP photos.

- **Fast Trigger Speed:** A rapid 0.1-second trigger speed and 1-5 photo burst mode ensure no critical moment is missed, even with fast-moving subjects.



Capture fleeting moments with the camera's quick trigger and burst shot feature.

- **Wide Angle PIR Detection:** A 130° detection angle and up to 30-meter (65 feet) detection distance allow for monitoring large areas effectively.



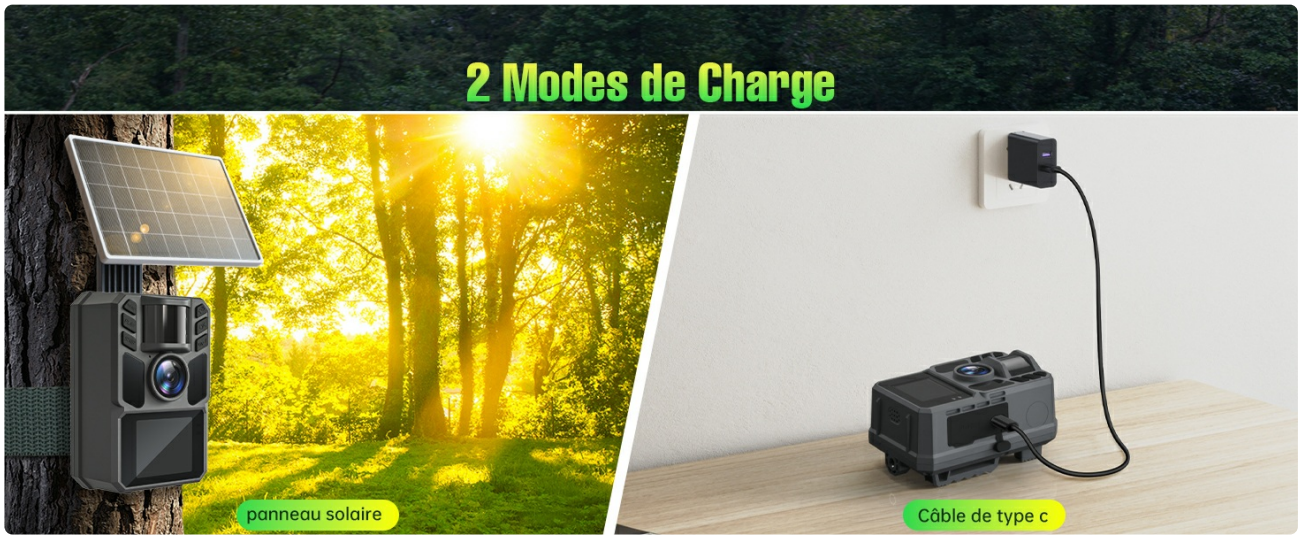
The wide-angle PIR sensor covers a broad area for comprehensive monitoring.

- **Excellent Night Vision:** Features 940nm non-luminous infrared LEDs for discreet night recording, producing

high-brightness, low-noise black and white images without disturbing wildlife. Night vision range up to 20 meters (65 feet).

Invisible infrared LEDs provide clear night vision without startling animals.

- **IP67 Waterproof & Durable:** The camera boasts an IP67 waterproof and dustproof rating, allowing it to operate reliably in extreme temperatures from -22°F to 158°F (-30°C to 70°C), suitable for deserts, rainforests, and snowy environments.



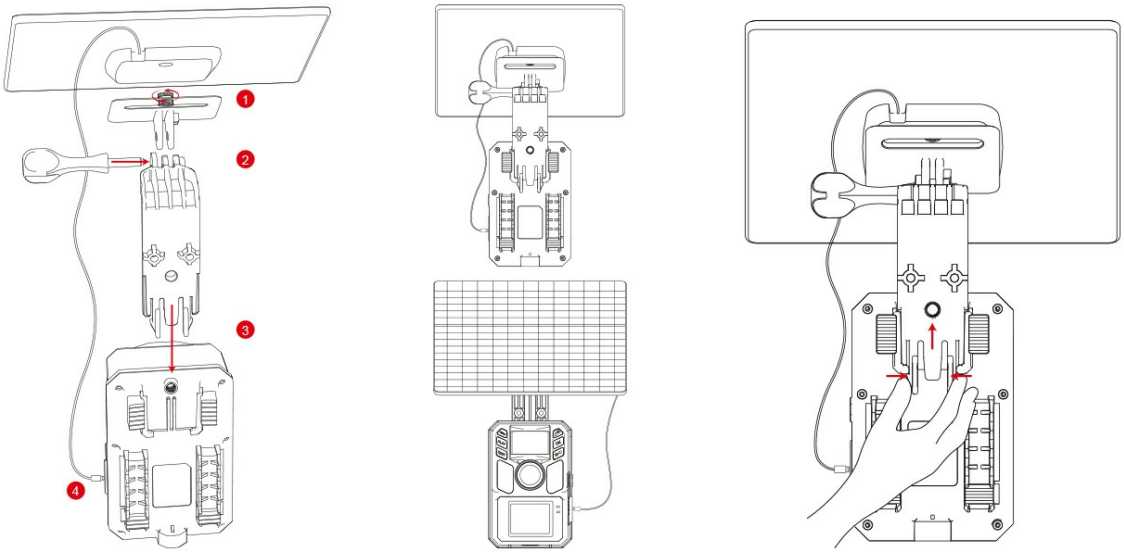
The IP67 rating ensures the camera performs in various weather conditions.

4. Installation & Setup

4.1 Charging the Battery

The camera is equipped with a 5000mAh rechargeable lithium-ion battery. Before first use, or if the battery is low, charge the camera using the provided Type-C USB cable.

- Connect the Type-C cable to the camera's charging port and the other end to a standard USB power adapter (not included) or a computer.
- The charging indicator light will turn red during charging and turn off when fully charged.
- The solar panel will continuously charge the internal battery when exposed to sufficient sunlight.



The camera can be charged via solar power or a Type-C cable.

4.2 Inserting the Memory Card

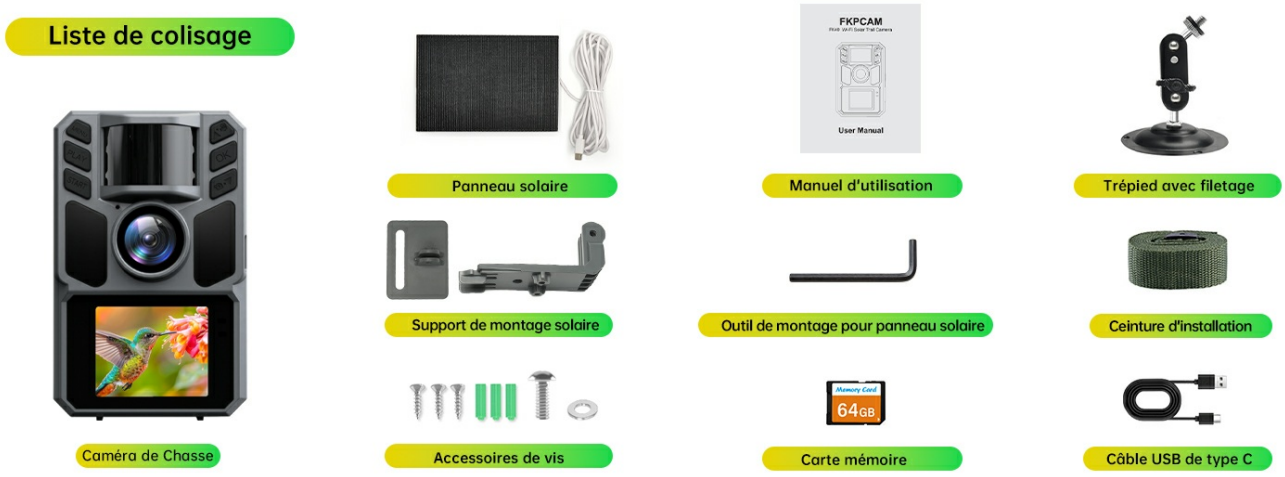
The camera comes with a 64GB SD card. Ensure the camera is powered off before inserting or removing the memory card.

- Locate the SD card slot on the side or bottom of the camera.
- Insert the 64GB SD card with the metal contacts facing the correct direction (refer to the diagram or camera markings).
- Push the card in until it clicks into place. To remove, push it in again until it springs out.

4.3 Mounting the Camera

The camera can be mounted using the provided strap, screw accessories, or tripod.

- **Tree Mount:** Use the camera mounting strap to secure the camera to a tree or pole. Ensure the camera is stable and facing the desired detection area.
- **Screw-in Mount:** Use the screw accessories and the solar panel mounting bracket to attach the camera and solar panel to a wall or fence.
- **Tripod Mount:** The camera has a standard tripod thread for use with the included tripod or other compatible mounts.
- Position the solar panel to receive maximum direct sunlight throughout the day for optimal charging.



Follow these steps to assemble and mount the solar panel with the camera.



Examples of camera installation in various outdoor settings.

5. Operating Instructions

5.1 Powering On/Off

- To power on, slide the power switch to the ON position. The camera will enter test mode or start recording based on your settings.
- To power off, slide the power switch to the OFF position.

5.2 Mode Selection

The camera typically has different operating modes (e.g., Photo, Video, Photo+Video). Use the mode button or menu options to select your desired mode.

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

5.3 Accessing the Menu and Settings

The camera features an internal screen for viewing and adjusting settings.

- In test mode, press the MENU button to access the settings menu.
- Use the UP/DOWN arrow buttons to navigate through options.
- Press the OK button to select an option or confirm a setting.
- Press the MENU button again to exit the settings.

5.4 Key Settings

- **Resolution:** Set photo resolution (up to 64MP) and video resolution (4K, 2.7K, 1080P). Higher resolutions consume more storage and battery.
- **PIR Sensitivity:** Adjust the sensitivity of the Passive Infrared (PIR) motion sensor (High, Medium, Low) to prevent false triggers from wind or small animals.

- **Trigger Interval:** Set the delay between consecutive triggers.
- **Time Lapse:** Configure the camera to take photos at set intervals regardless of motion.
- **Date & Time:** Ensure the correct date and time are set for accurate timestamps on your recordings.

6. Viewing & Managing Files

6.1 On-Camera Playback

- In test mode, press the PLAY button to enter playback mode.
- Use the UP/DOWN arrow buttons to browse through recorded photos and videos.
- Press the OK button to view a photo or play a video.
- Press the PLAY button again to exit playback mode.

6.2 Connecting to a Computer

- Connect the camera to your computer using the provided Type-C USB cable.
- The camera should appear as a removable disk. You can then access the files on the SD card.
- Alternatively, remove the SD card and insert it into a card reader connected to your computer.

7. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the camera lens, PIR sensor, and solar panel. For stubborn dirt, slightly dampen the cloth with water. Do not use harsh chemicals or abrasive materials.
- **Battery Care:** For optimal battery life, avoid fully discharging the battery frequently. If storing the camera for an extended period, charge the battery to about 50-70%.
- **SD Card Management:** Regularly format the SD card (via the camera's menu) to ensure optimal performance and prevent data corruption. Back up important files before formatting.
- **Environmental Protection:** While the camera is IP67 waterproof, avoid submerging it in water. Ensure the battery compartment and all ports are securely closed to maintain water resistance.

8. Troubleshooting

Problem	Possible Cause	Solution
Camera not powering on	Low battery; Incorrect battery insertion; Faulty SD card.	Charge the camera fully. Ensure the internal battery is properly connected. Try powering on without the SD card.
Poor image/video quality	Lens is dirty; Low light conditions; Incorrect resolution settings.	Clean the lens. Ensure adequate lighting or rely on night vision. Adjust resolution settings to 4K/64MP.
Camera not detecting motion	PIR sensitivity too low; Obstruction in detection zone; Incorrect camera placement.	Increase PIR sensitivity. Clear any branches or objects blocking the sensor. Reposition the camera for optimal coverage.

Problem	Possible Cause	Solution
SD card not recognized	SD card inserted incorrectly; Corrupted SD card; Incompatible SD card.	Reinsert the SD card correctly. Format the SD card (backup data first). Try a different compatible SD card.
Short battery life	Frequent triggers; Low solar charging; Extreme temperatures.	Reduce PIR sensitivity or trigger interval. Ensure solar panel receives direct sunlight. Battery performance can be affected by extreme cold.
No Wi-Fi/App connectivity	This model does not support Wi-Fi or app connectivity.	This is expected behavior. Files must be accessed via SD card or USB connection.

9. Specifications

Feature	Detail
Model Name	FK-HC40
Photo Resolution	Up to 64 Megapixels
Video Resolution	4K, 2.7K, 1080P
Detection Angle	130 Degrees
Detection Distance	Up to 30 meters (65 feet)
Trigger Speed	0.1 seconds
Night Vision	850nm Non-luminous Infrared LEDs, up to 20 meters (65 feet)
Power Source	5000mAh Rechargeable Lithium-ion Battery, Solar Panel
Memory	64GB SD Card (included)
Water Resistance	IP67 Waterproof
Operating Temperature	-22°F to 158°F (-30°C to 70°C)
Connectivity	Type-C USB (for charging/data transfer)
Dimensions (L x W x H)	11.5 x 7.5 x 5.8 cm
Material	Plastic

10. Warranty & Support

FKPCAM is committed to providing high-quality products and customer satisfaction.

- **30-Day Money-Back Guarantee:** If you are not satisfied with your purchase, you may return it within 30 days for a full refund or exchange.
- **1-Year Professional Technical Support:** Your camera is covered by a 1-year warranty against manufacturing defects. Our professional technical support team is available to assist you with any issues.

- **12-Hour Fast Response:** We aim to respond to all customer inquiries within 12 hours.

For support, please contact us via the platform where you purchased the product or visit our official website (if available).



FKPCAM customer support details.

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