FKPCAM FK20

FKPCAM FK20 Solar Trail Camera User Manual

Model: FK20 | Brand: FKPCAM

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1. Introduction

The FKPCAM FK20 Solar Trail Camera is a versatile and robust device designed for outdoor monitoring. It features 4K Ultra HD video recording and 64MP high-resolution photos, ensuring clear capture of events. With its solar charging capability and 5000mAh rechargeable battery, it offers extended operation without the need for constant power supply or wiring. The camera is equipped with a 0.1-second super-fast trigger speed and a 130° wide-angle PIR motion sensor, allowing it to accurately detect and record movements up to 20 meters away. Its IP67 waterproof and dustproof design ensures reliable performance in various weather conditions, making it suitable for wildlife observation, home security, farm monitoring, and illegal dumping surveillance.

2. Package Contents

Please check that all the following items are included in your package:

- FKPCAM FK20 Solar Trail Camera (Main Unit)
- Solar Panel (with 5m charging cable)
- 64GB MicroSD Card
- Mounting Strap
- Wall Mount Bracket
- USB Type-C Charging Cable
- Screws and Wall Plugs for Installation
- User Manual



Image: All items included in the FKPCAM FK20 Solar Trail Camera package.

3. Product Overview

The FKPCAM FK20 Solar Trail Camera is designed for ease of use and durability. It integrates a camera, recording device, and monitor into a compact body. The device features a solar panel for continuous charging, a high-resolution lens, infrared LEDs for night vision, and a PIR motion sensor for accurate detection.



Image: Front view of the FKPCAM FK20 Solar Trail Camera, showing the lens, PIR sensor, and display screen.



Image: Side view of the camera, highlighting the rubber cover protecting the SD card slot and USB port.

4. Setup

4.1. Battery and SD Card Installation

1. Open the side cover of the camera unit.
2. Insert the provided 64GB MicroSD card into the SD card slot. Ensure it clicks into place.
3. Insert the 5000mAh rechargeable batteries (2x 2500mAh lithium batteries) into the battery compartment.
4. Close the side cover securely to maintain IP67 waterproofing.

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Video: Unboxing and initial setup of the FKPCAM Solar Trail Camera, including battery and SD card installation.

4.2. Mounting Options

The FKPCAM FK20 offers flexible mounting options:

- **Strap Mounting:** Use the provided mounting strap to attach the camera to trees, poles, or other vertical structures.
- **Wall Mount Bracket:** Secure the camera to a wall or flat surface using the included wall mount bracket and screws.
- **Tripod Mounting:** The camera features a standard tripod screw hole at the bottom for compatibility with tripods or other camera mounts.



Image: Examples of mounting the camera using a strap on a tree, or a wall mount bracket.

4.3. Initial Configuration

1. Slide the power switch to the 'ON' position. The camera's display will activate.
2. Use the navigation buttons to set the date, time, and language (Japanese is supported).
3. Access the menu to configure recording modes (photo, video, or photo+video), resolution (4K for video, 64MP for photos), and PIR sensor sensitivity (Low, Medium, High).

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Video: Demonstrates powering on the camera and navigating through the menu for initial settings like language, date, and time.

5. Operating

5.1. Recording Modes

The camera supports three main recording modes:

- **Photo Mode:** Captures still images.
- **Video Mode:** Records video clips.
- **Photo + Video Mode:** Takes a photo first, then records a video clip.

These modes can be selected via the camera's menu or the connected smartphone app.

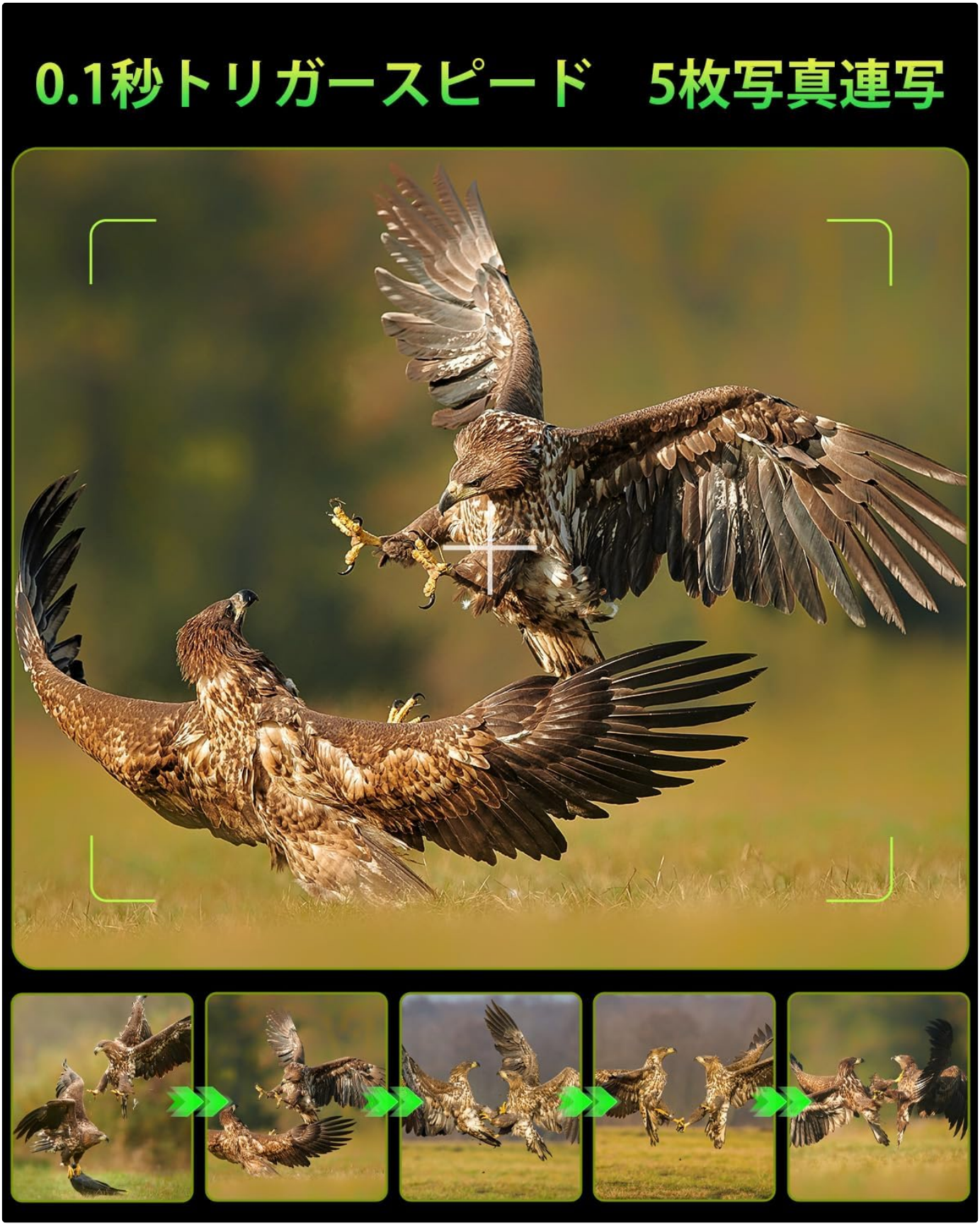

Image: Demonstrates the clarity of 4K video and 64MP photos captured by the camera.

5.2. Motion Detection (PIR Sensor)

The integrated PIR motion sensor detects movement within a 130° wide-angle and up to 20 meters distance. Upon detection, the camera triggers recording with a super-fast 0.1-second response time, ensuring no critical moments are missed. The sensitivity of the PIR sensor can be adjusted (Low, Medium, High) to suit different environments and reduce false triggers.

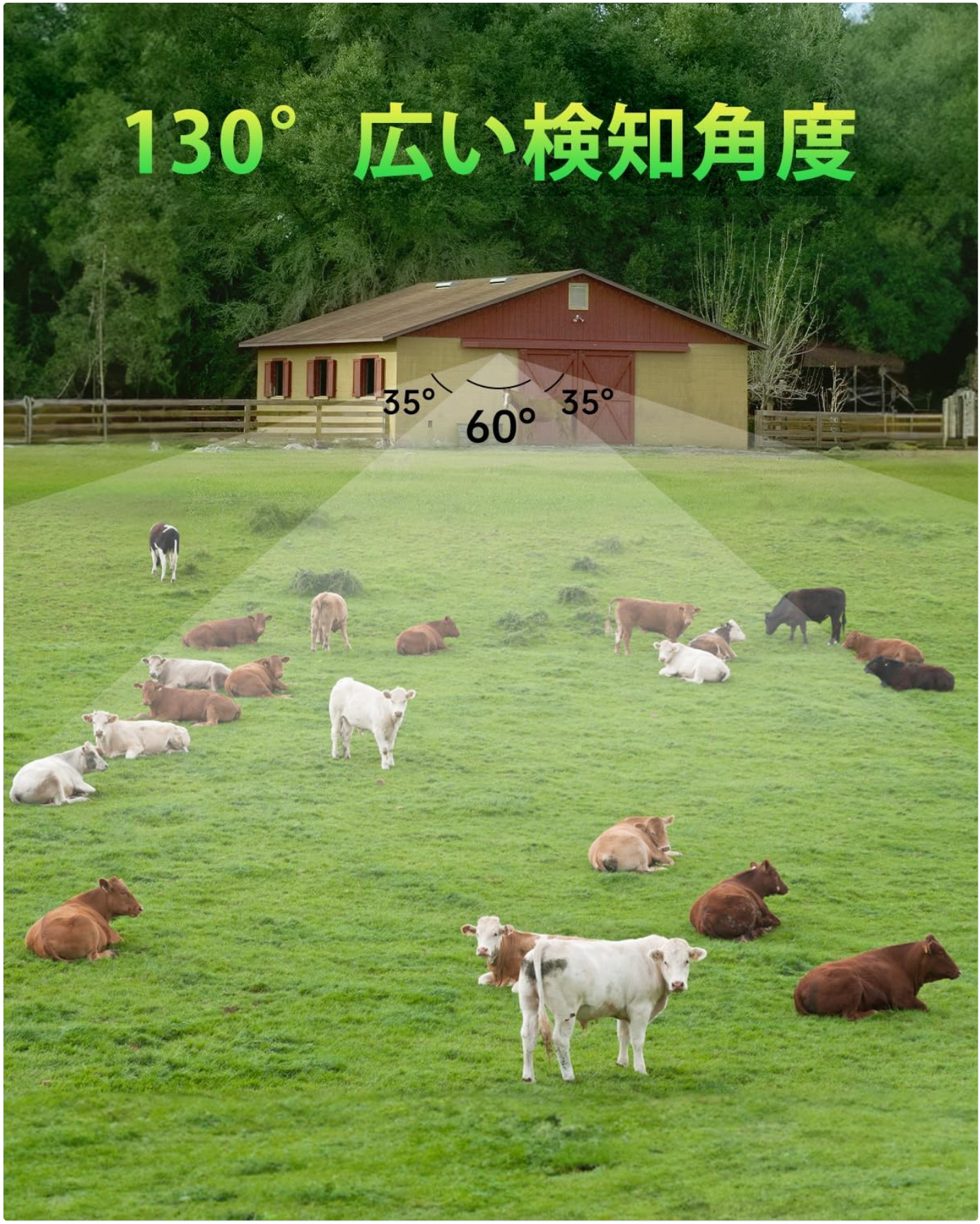

Image: Illustration of the camera's 130-degree wide-angle detection range, covering a broad area for monitoring.

5.3. Night Vision

Equipped with infrared LEDs, the FKPCAM FK20 provides clear night vision capabilities. It automatically switches to night vision mode in low-light conditions, allowing for 24-hour surveillance and observation of nocturnal animals or nighttime security events.



Image: An owl captured clearly in monochrome night vision, demonstrating the camera's low-light performance.

5.4. Loop Recording & Time-lapse

The camera supports loop recording, automatically overwriting the oldest files when the memory card is full, ensuring continuous operation. It also features a time-lapse function, ideal for condensing long-term changes into short video clips, such as plant growth or construction progress.

5.5. App Connectivity

The FKPCAM FK20 can be connected to a smartphone app for remote control and viewing. This allows users to adjust settings,

view live footage, and download recorded videos and photos directly to their smartphone.

6. Maintenance

- Regularly check the solar panel for dirt or debris and clean it to ensure optimal charging efficiency.
- Ensure the side cover is always securely closed to maintain the IP67 waterproof and dustproof rating.
- Periodically check the battery level, especially during prolonged periods of low sunlight.
- Format the MicroSD card regularly to prevent data corruption and ensure smooth recording.

7. Troubleshooting

- **Camera not powering on:** Check if the batteries are correctly inserted and charged. Ensure the power switch is in the 'ON' position.
- **Poor image/video quality:** Verify the resolution settings in the menu. Ensure the lens is clean and free from obstructions.
- **Motion sensor not triggering:** Adjust the PIR sensor sensitivity to 'High'. Ensure there are no obstacles blocking the sensor's field of view.
- **App connectivity issues:** Ensure the camera's Wi-Fi is enabled and your smartphone is within range. Restart both the camera and the app if necessary.
- **Password reset:** If you forget your password, refer to the user manual for instructions on how to reset it.

8. Specifications

Brand	FKPCAM
Model Number	FK20
Video Resolution	4K Ultra HD
Photo Resolution	64MP
Trigger Speed	0.1 seconds
Motion Sensor Angle	130°
Detection Distance	Up to 20 meters
Night Vision	Infrared LED (850nm)
Battery	5000mAh Rechargeable (2x 2500mAh lithium batteries)
Charging	Solar Panel & USB Type-C
Storage	64GB MicroSD Card (included), supports up to 128GB

Waterproof Rating	IP67
Operating Temperature	-22°F to 158°F (-30°C to 70°C)

9. Warranty & Support

For warranty information and technical support, please refer to the contact details provided in your product packaging or the official FKPCAM website. Keep your purchase receipt as proof of purchase for warranty claims.

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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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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.

Submit question