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FKPCAM FK20

FKPCAM FK20 Solar-Powered Trail Camera User Manual

Model: FK20

Introduction

Thank you for choosing the FKPCAM FK20 Solar-Powered Trail Camera. This manual provides detailed instructions for setting up, operating, and maintaining your camera to ensure optimal performance. The FKPCAM FK20 is designed for outdoor use, offering high-resolution imaging, reliable motion detection, and convenient solar charging for various applications, including wildlife observation, property surveillance, and hunting.

Package Contents

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

- Camera (1)
- Solar Panel (1)
- User Manual (1)
- Threaded Tripod (1)
- Solar Mount Bracket (1)
- Mounting Tool for Solar Panel (1)
- Mounting Strap (1)
- Screw Accessories (1 set)
- 64GB SD Card (1)
- USB Type-C Cable (1)



Image: Illustration of all included components in the FKPCAM FK20 Trail Camera package.

Product Features

- **High-Resolution Imaging:** Captures 4K Ultra HD video and 64MP still images.
- **Fast Trigger Speed:** 0.2-second trigger speed to capture fast-moving subjects.
- **Wide Detection Angle:** 130-degree PIR motion detection with a range of up to 20 meters.
- **Advanced Night Vision:** Equipped with 850nm infrared LEDs for clear night recordings up to 10 meters without disturbing wildlife.
- **Solar Power & Rechargeable Battery:** Integrated solar panel and 5000mAh rechargeable battery for extended operation without external power.
- **Durable & Weatherproof:** IP67 waterproof and dustproof rating ensures reliable performance in various outdoor conditions.
- **WiFi Connectivity:** Connects directly to your smartphone via a dedicated app for easy photo/video viewing and settings adjustment.
- **Storage:** Supports up to 128GB SD card (64GB card included). Features loop recording and time-lapse functions.

Setup

1. Initial Charging

Before first use, fully charge the camera's internal 5000mAh battery using the provided USB Type-C cable and a standard USB power adapter (not included), laptop, or power bank. The charging indicator light will be red during charging and turn off when fully charged.



Image: The FKPCAM FK20 camera showing various charging methods including solar, adapter, laptop, and power bank.

2. Insert SD Card

Open the camera's housing and insert the included 64GB SD card into the designated slot. Ensure it is inserted correctly until it clicks into place. The camera supports up to 128GB SD cards.

3. Mounting the Camera

The camera can be mounted using the provided mounting strap, threaded tripod, or solar mount bracket. Choose a location that offers a clear view of the area you wish to monitor and allows the solar panel to receive adequate sunlight.

- **Strap Mounting:** Secure the camera to a tree or pole using the adjustable mounting strap.
- **Tripod Mounting:** Attach the camera to the threaded tripod for flexible positioning on flat surfaces.
- **Solar Panel Mounting:** Use the solar mount bracket and screw accessories to attach the solar panel to a surface, ensuring it is angled towards the sun. The camera can then be connected to the solar panel.

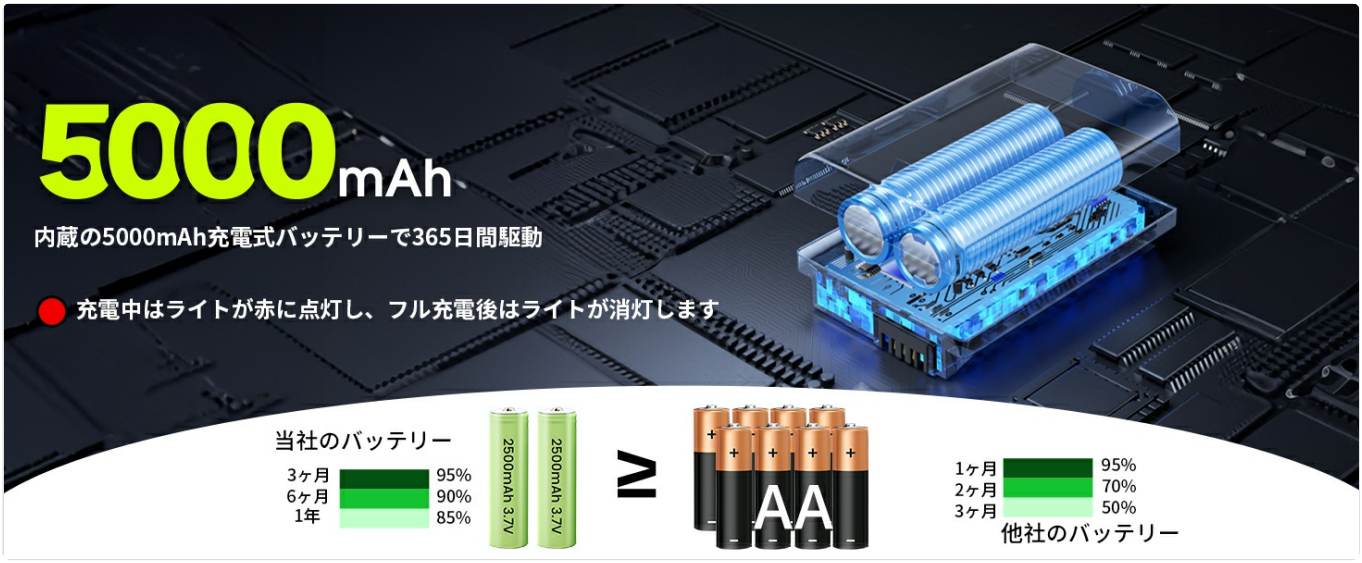

Image: The FKPCAM FK20 camera mounted on a tree with its solar panel, illustrating outdoor installation.

Operating Instructions

1. Powering On/Off

Locate the power switch inside the camera housing. Switch it to the "ON" position to power on the camera. To power off, switch it to the "OFF" position.

2. Mode Selection

The camera typically operates in three modes: Photo, Video, and Photo+Video. Use the mode button (often labeled "MODE" or similar) to cycle through these options. In "TEST" mode, you can adjust settings and manually trigger captures.

3. PIR Motion Detection

The Passive Infrared (PIR) sensor detects heat and motion within its 130-degree field of view and up to 20 meters. When motion is detected, the camera will trigger and record according to your selected settings. Ensure no obstructions are directly in front of the PIR sensor for optimal performance.



Image: Diagram illustrating the 130-degree PIR motion detection angle of the FKPCAM FK20 camera.

4. Night Vision

The camera automatically switches to night vision mode in low-light conditions, utilizing 850nm infrared LEDs to capture clear black-and-white images and videos without a visible flash, ensuring animals are not startled.



Image: Examples of images captured by the FKPCAM FK20 camera during both day (color) and night (black and white infrared) conditions.

5. Smartphone App Connectivity (WiFi)

Download the dedicated "Trail Cam Go" app to your smartphone. Activate the camera's WiFi function and connect your smartphone directly to the camera's WiFi network. This allows you to view captured photos and videos, adjust settings, and download files without physically accessing the camera or removing the SD card. **Note:** The camera's WiFi connects directly to your smartphone and does not support connection to home WiFi networks or routers.



Image: A smartphone displaying live footage from the FKPCAM FK20 camera, demonstrating WiFi connectivity for remote viewing.

6. Viewing and Downloading Files

Files can be viewed and downloaded in several ways:

1. **Via Smartphone App:** Connect to the camera's WiFi using the "Trail Cam Go" app to browse and download files directly to your phone.
2. **Via USB Cable:** Connect the camera to a computer using the provided USB Type-C cable to transfer files.
3. **Via SD Card Reader:** Remove the SD card from the camera and insert it into a card reader connected to a computer.



Image: Three methods for accessing media: smartphone app, USB cable to computer, and SD card reader.

Maintenance

- **Cleaning:** Regularly clean the camera lens, PIR sensor, and solar panel with a soft, dry cloth to ensure clear images and efficient charging.
- **Battery Life:** The integrated 5000mAh battery, combined with the solar panel, provides extended operation. Ensure the solar panel is positioned to receive maximum sunlight.
- **SD Card Management:** Periodically review and delete unnecessary files from the SD card to prevent it from becoming full. Format the SD card regularly for optimal performance.
- **Firmware Updates:** Check the FKPCAM official website or app for any available firmware updates to improve camera performance and features.

Troubleshooting

Problem	Possible Cause	Solution
Camera not powering on.	Low battery; Power switch off.	Charge the battery fully; Ensure power switch is in "ON" position.
No images/videos captured.	SD card full or not inserted correctly; PIR sensor obstructed; Incorrect mode selected.	Check/format SD card; Clear sensor path; Select appropriate mode (Photo/Video/Photo+Video).
Poor night vision quality.	Infrared LEDs obstructed; Object too far.	Ensure clear view for IR LEDs; Position camera closer to target area (within 10m).
Cannot connect via WiFi app.	Camera WiFi not activated; Incorrect app; Out of range.	Activate camera WiFi; Use "Trail Cam Go" app; Ensure smartphone is within direct WiFi range of camera.
Battery not charging via solar panel.	Solar panel obstructed or not receiving direct sunlight.	Reposition solar panel for maximum sun exposure; Clean panel surface.

Specifications

Feature	Detail

Feature	Detail
Model Number	FK20
Video Resolution	4K Ultra HD
Image Resolution	64 Megapixels
Trigger Speed	0.2 seconds
PIR Detection Angle	130 degrees
PIR Detection Range	Up to 20 meters
Night Vision Range	Up to 10 meters (850nm IR LEDs)
Power Source	Solar-powered, 5000mAh rechargeable battery
Waterproof Rating	IP67
Connectivity	Wi-Fi (direct to smartphone app)
Storage	Micro SD card, up to 128GB (64GB included)
Material	Plastic
Recommended Use	Outdoor security, wildlife observation, hunting
Dimensions	20.7 x 12.6 x 9.8 cm
Weight	45.4 g

Warranty and Support

The FKPCAM FK20 Solar-Powered Trail Camera comes with a **24-month warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims. For technical support, troubleshooting assistance, or warranty inquiries, please contact FKPCAM customer service through the retailer where you purchased the product or visit the official FKPCAM website for contact information.

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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.

Submit question

Answered questions about this manual

What are the shooting specifications for the FKPCAM FK20, specifically regarding scheduled time-lapse intervals and focus range for construction sites?

Based on the specifications for the FKPCAM FK20 Solar-Powered Trail Camera, here are the answers to your specific requirements: 1. Scheduled Shooting (Time-Lapse): Yes, this camera features a Time-Lapse function. While the manual does...

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