

## FitSpark EAGLE i12

# FitSpark Eagle i12 Real 4K WiFi Action Camera User Manual

Model: EAGLE i12

## 1. INTRODUCTION

The FitSpark Eagle i12 is a versatile 4K WiFi Action Camera designed to capture high-quality video and photos in various environments. It features a 20MP Ultra HD wide-angle lens, Electronic Image Stabilization (EIS), a built-in flashlight, and wireless remote control capabilities. This manual provides essential information for setting up, operating, and maintaining your camera to ensure optimal performance.

## 2. PACKAGE CONTENTS

Please check the box for the following items:

- 1 EAGLE i12 Camera
- 1 Remote control
- 1 User Manual
- 1 USB charger
- 18 accessories (including various mounts, tethers, lens cloth, bandages)

# Everything Included



Waterproof Housing



Turbo Battery



Pole Mount



Remote



Mount 1



Mount 2



Mount 3



Mount 4



Mount 5



Mount 6



Mount 7



Tethers



Metal Tether



Lens Cloth



Bandages



USB cable



Helmet Mount



Adhesives



Arm Band

Image: The FitSpark Eagle i12 Action Camera and its comprehensive set of 18 accessories, including a waterproof housing, battery, various mounts, and a remote control.

## 3. CAMERA OVERVIEW

Familiarize yourself with the main components of your FitSpark Eagle i12 camera.

**EAGLE i12**

**FitSpark**  
Life... Revisited

## **TrueAUDIO EXTERNAL MIC** WITH ADVANCED WIND NOISE REDUCTION



Image: Front and side view of the FitSpark Eagle i12 Action Camera, highlighting the lens, buttons, and ports.

### **3.1. Physical Components**

- **Lens:** 170° wide-angle lens for capturing broad scenes.
- **Display:** 2-inch IPS HD full-frame color screen for clear viewing.
- **Flashlight:** Integrated flashlight for improved visibility in low-light conditions.
- **Ports:** Includes a Type-C port for external microphone support and data transfer.
- **Buttons:** Power, Mode, Shutter/OK buttons for navigation and control.

## **4. SETUP**

### **4.1. Battery Installation**

1. Open the battery compartment cover.

2. Insert the Lithium Ion battery (included) into the compartment, ensuring correct polarity.
3. Close the battery compartment cover securely.

## 4.2. Micro SD Card Installation

The camera supports up to 128 GB Micro SD cards.

1. Locate the Micro SD card slot on the camera.
2. Insert the Micro SD card with the contacts facing the correct direction until it clicks into place.
3. To remove, gently push the card until it springs out.

## 4.3. Waterproof Case Usage

The camera is water resistant to a depth of up to 30 meters when used with the included waterproof case.

1. Ensure the camera is clean and dry before placing it inside the waterproof case.
2. Close the case securely, ensuring the seal is free from debris.
3. Always test the waterproof case without the camera first to ensure it is properly sealed.



**Waterproof Up to 99 ft (With the Included Housing)**  
Perfect for Underwater Adventures like Snorkeling or Diving

Image: The FitSpark Eagle i12 Action Camera used underwater with its waterproof housing, suitable for snorkeling or diving.

## 4.4. Mounting Accessories

The camera comes with 18 accessories for various mounting options. Refer to the accessory guide for specific installation instructions for each mount (e.g., pole mount, helmet mount).

# 5. OPERATION

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## 5.1. Power On/Off

- **Power On:** Press and hold the Power button for a few seconds.
- **Power Off:** Press and hold the Power button again until the camera shuts down.

## 5.2. Video Recording

The camera supports various video resolutions:

- 4K at 30 frames per second (fps)
- 2.7K at 60/30 fps
- Full HD 1080P at 120/60 fps
- HD 720P at 120 fps

To start/stop recording, press the Shutter/OK button.



### Video Resolutions

4K@30fps (REAL 4K, NO INTERPOLATION)  
2.7K@60/30fps  
Full HD 1080P@120/60fps  
HD 720P@120fps

### Photo Resolutions

20MP/16MP/12MP/8MP

Image: Display of available video and photo resolutions, including 4K video and 20MP photos.

## 5.3. Photo Capture

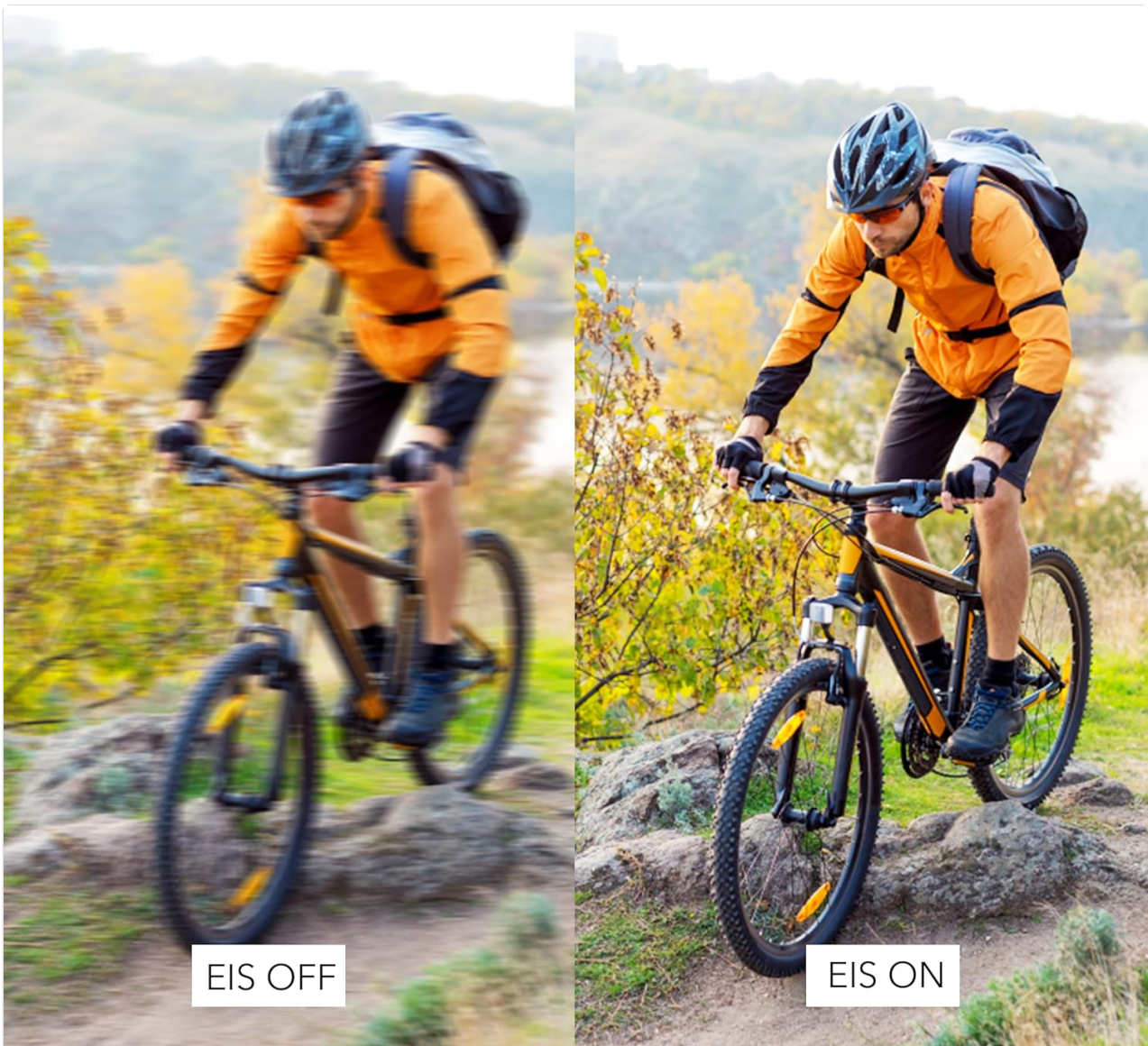
The camera offers multiple photo resolutions:

- 20 Megapixels (MP)
- 16 MP
- 12 MP
- 8 MP

To take a photo, switch to photo mode and press the Shutter/OK button.

## 5.4. Electronic Image Stabilization (EIS)

The camera features 6-Axis Gyro EIS stabilization to reduce shakiness and blur in videos, resulting in smoother footage.



## 6-Axis Gyroscope & EIS Stabilization

Image: A visual comparison demonstrating the effect of EIS, showing a blurred image with EIS off and a clear image with EIS on.

### 5.5. Wide-Angle Lens

The 170° wide-angle lens captures a broad field of view, allowing you to include more of the scene in your recordings.

## **WIDE ANGLE LENS**

Multiple Viewing Angles Wide/Narrow/Normal



Image: A wide-angle perspective of a stadium, illustrating the expansive view captured by the camera's lens.

### **5.6. Flashlight**

Activate the built-in flashlight to illuminate subjects and improve image quality in dimly lit environments.



## Built-in-Flashlight

Illuminate Every Adventure with the World's First Built-in Flashlight Action Camera!

Image: The FitSpark Eagle i12 camera with its flashlight active, providing illumination inside a cave.

### 5.7. External Microphone Support

The camera supports original Type-C external microphones for enhanced audio recording. To use an external microphone, ensure the option is enabled in the camera settings.

### 5.8. Wind Noise Reduction

This feature helps to minimize unwanted wind noise during recording, particularly useful for outdoor activities like biking.

### 5.9. Distortion Correction

The camera includes a distortion correction feature to reduce the 'fish-eye' effect commonly associated with wide-angle lenses, providing more natural-looking videos.

### 5.10. Wireless Remote Control

Use the included wireless remote control to conveniently start and stop video recording or capture photos from a distance.

## 5.11. Time Lapse & Slow Motion Modes

Explore creative recording options with Time Lapse and Slow Motion modes. These modes allow for unique visual effects and detailed capture of movement.

## 5.12. Wi-Fi Connectivity

Connect the camera to your smartphone or tablet via Wi-Fi for remote control, live preview, and easy transfer of media files.

## 5.13. Dash Cam Functionality

The camera can be used as a dash cam. When connected to a power source in a vehicle, it can automatically start recording when the car's ignition is turned on.

# 6. MAINTENANCE

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## 6.1. Cleaning

- **Lens:** Use a soft, lint-free cloth specifically designed for camera lenses to clean the lens. Avoid harsh chemicals.
- **Screen:** Wipe the IPS HD screen gently with a microfiber cloth.
- **Camera Body:** Use a soft, dry cloth to clean the camera body.

## 6.2. Battery Care

- Charge the battery fully before first use.
- Store batteries in a cool, dry place when not in use.
- Avoid exposing batteries to extreme temperatures.

## 6.3. Waterproof Case Maintenance

- After each use in water, rinse the waterproof case with fresh water and allow it to air dry.
- Inspect the rubber seal for any dirt, sand, or damage before each use to ensure a watertight seal.

# 7. TROUBLESHOOTING

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If you encounter issues with your FitSpark Eagle i12 camera, refer to the following common problems and solutions:

Problem	Possible Solution
Camera does not power on.	Ensure the battery is fully charged and correctly inserted. Try charging the camera.

Problem	Possible Solution
Video footage is shaky.	Verify that Electronic Image Stabilization (EIS) is enabled in the camera settings. Ensure the camera is mounted securely.
Poor audio quality.	Check if an external Type-C microphone is properly connected and enabled in settings. Ensure Wind Noise Reduction is active if recording in windy conditions.
Water leakage in waterproof case.	Inspect the rubber seal for any debris or damage. Ensure the case is closed tightly and correctly. Always perform a dry test before submerging.
Wi-Fi connection issues.	Ensure Wi-Fi is enabled on the camera and your mobile device. Restart both devices and try connecting again.

## 8. SPECIFICATIONS

Feature	Specification
Brand	FitSpark
Model	EAGLE i12
Product Dimensions	6.2 x 3 x 4.2 cm
Item Weight	48 g
Batteries	1 Lithium Ion battery required (included)
Memory Storage Capacity	128 GB (Micro SD)
Resolution	4K (Video), 20 MP (Photo)
Compatible Devices	Smartphone, Tablet, Personal Computer
Special Features	Waterproof (with waterproof case), Flashlight
Remote Control Description	Wi-Fi
Display Technology	LCD
Standing Screen Display Size	2 Inches
Display Type	IPS
Image Stabilization Technology	6-Axis Gyro Stabilization and Electronic Image Stabilization
Digital Zoom	4 x
Optical Sensor Resolution	20 MP
Min Focal Length	2.8 Millimeters
Supported Audio Formats	AAC, PCM

Feature	Specification
Microphone Technology	Inner MIC + Supports Type-C External MIC
Wireless Type	2.4 GHz Radio Frequency
Lens Type	Wide Angle
Video Capture Format	MOV

## 9. WARRANTY AND SUPPORT

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For warranty information or technical support, please contact FitSpark customer care at [support@myfitspark.com](mailto:support@myfitspark.com).