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› [SJCAM](#) /

› SJCAM SJ7 STAR 4K Action Camera User Manual

SJCAM SJ7 STAR

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Model: SJ7 STAR

1. INTRODUCTION

Thank you for purchasing the SJCAM SJ7 STAR 4K Action Camera. This manual provides essential information for setting up, operating, and maintaining your device. Please read it carefully before use to ensure proper functionality and to maximize your camera's performance.

2. PRODUCT OVERVIEW

2.1 Camera Components

The SJCAM SJ7 STAR features a durable metal body and a 2-inch touch screen for intuitive control. Key components include the lens, power/mode button, shutter/OK button, setting/Wi-Fi button, LED indicators, speaker, Micro HDMI port, Mini-USB port, and MicroSD slot.

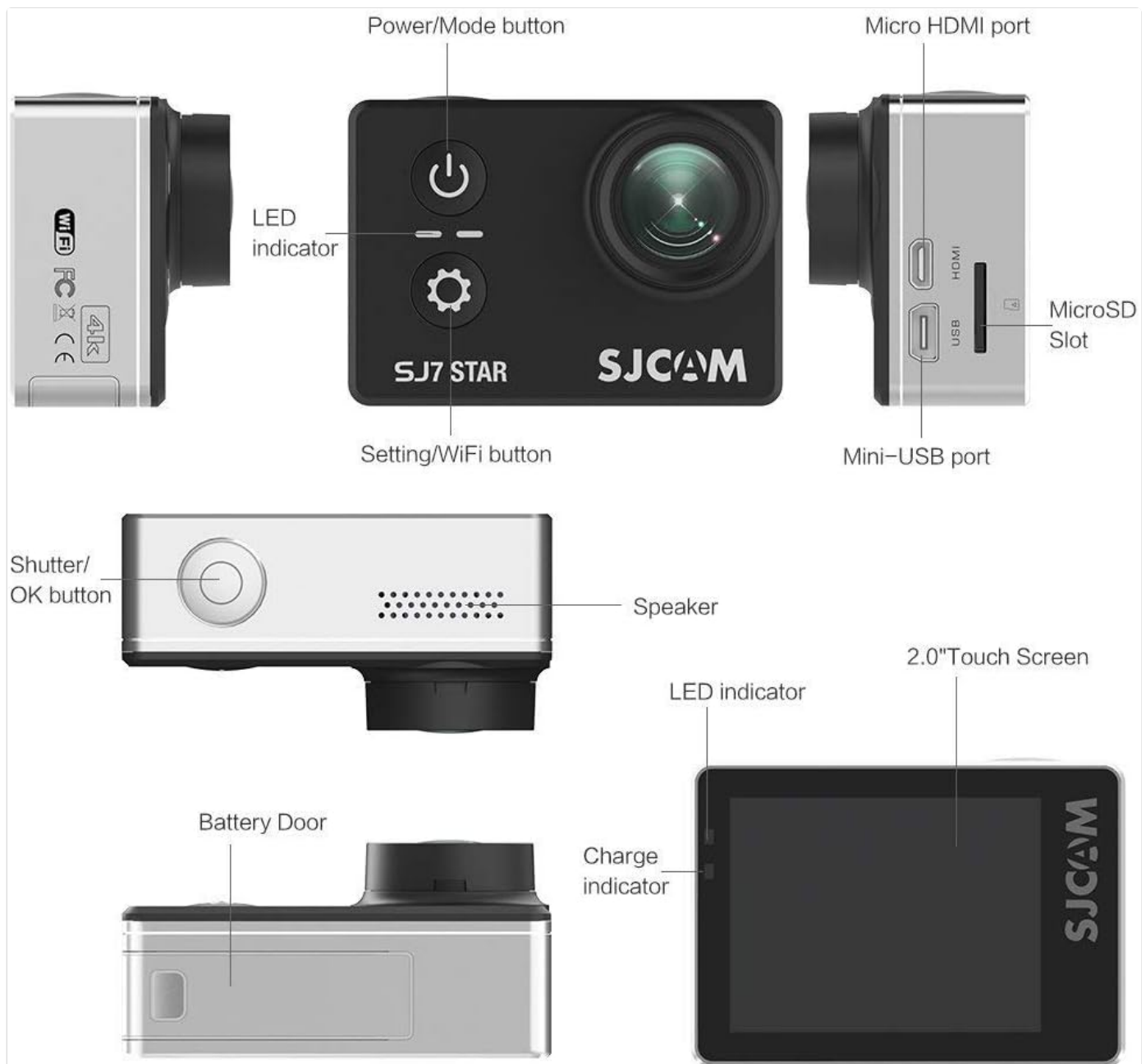


Figure 2.1: SJCAM SJ7 STAR Camera Components. This image displays the front, top, side, and rear views of the camera, labeling the Power/Mode button, LED indicator, Setting/WiFi button, Shutter/OK button, Speaker, 2.0" Touch Screen, Charge indicator, Battery Door, Micro HDMI port, Mini-USB port, and MicroSD Slot.

2.2 User Interface

The 2-inch touch screen allows for easy navigation through various modes and settings. The main interface typically displays options for Video, Video Lapse, Slow Rec, Still, Photo Lapse, and Burst modes.

Native 4K Action Camera



Figure 2.2: Camera User Interface. This image shows the camera's touch screen with icons for different recording modes like Video, Video Lapse, Slow Rec, Still, Photo Lapse, and Burst, along with a settings icon.

3. SETUP

3.1 Battery Installation and Charging

1. Open the battery door located at the bottom of the camera.
2. Insert the 1000mAh rechargeable Li-ion battery, ensuring correct polarity.
3. Close the battery door securely.
4. To charge, connect the camera to a USB power source using the provided USB cable. The charge indicator LED will illuminate during charging.

3.2 MicroSD Card Installation

1. Locate the MicroSD slot on the side of the camera.
2. Insert a compatible MicroSD card (Class 10 or higher, up to 128GB recommended) into the slot until it clicks into place.
3. To remove, gently push the card until it springs out.

3.3 Waterproof Housing

The camera comes with a waterproof housing, allowing for underwater use up to 30 meters. Ensure the housing is properly sealed

before submerging the camera. The housing also protects the camera from dust and impacts.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

- To power on, press and hold the Power/Mode button for a few seconds.
- To power off, press and hold the Power/Mode button again until the camera shuts down.

4.2 Mode Switching

Press the Power/Mode button repeatedly to cycle through different modes such as Video, Photo, Playback, and Settings. Alternatively, use the touch screen to select your desired mode.

4.3 Video Recording

1. Select Video mode.
2. Press the Shutter/OK button to start recording. The recording indicator LED will flash.
3. Press the Shutter/OK button again to stop recording.

4.4 Photo Capture

1. Select Photo mode.
2. Press the Shutter/OK button to take a photo.

4.5 Wi-Fi Connectivity

The SJ7 STAR supports Wi-Fi connectivity for remote control via the SJCAM app on your smartphone. This allows for live preview, recording control, and file transfer.

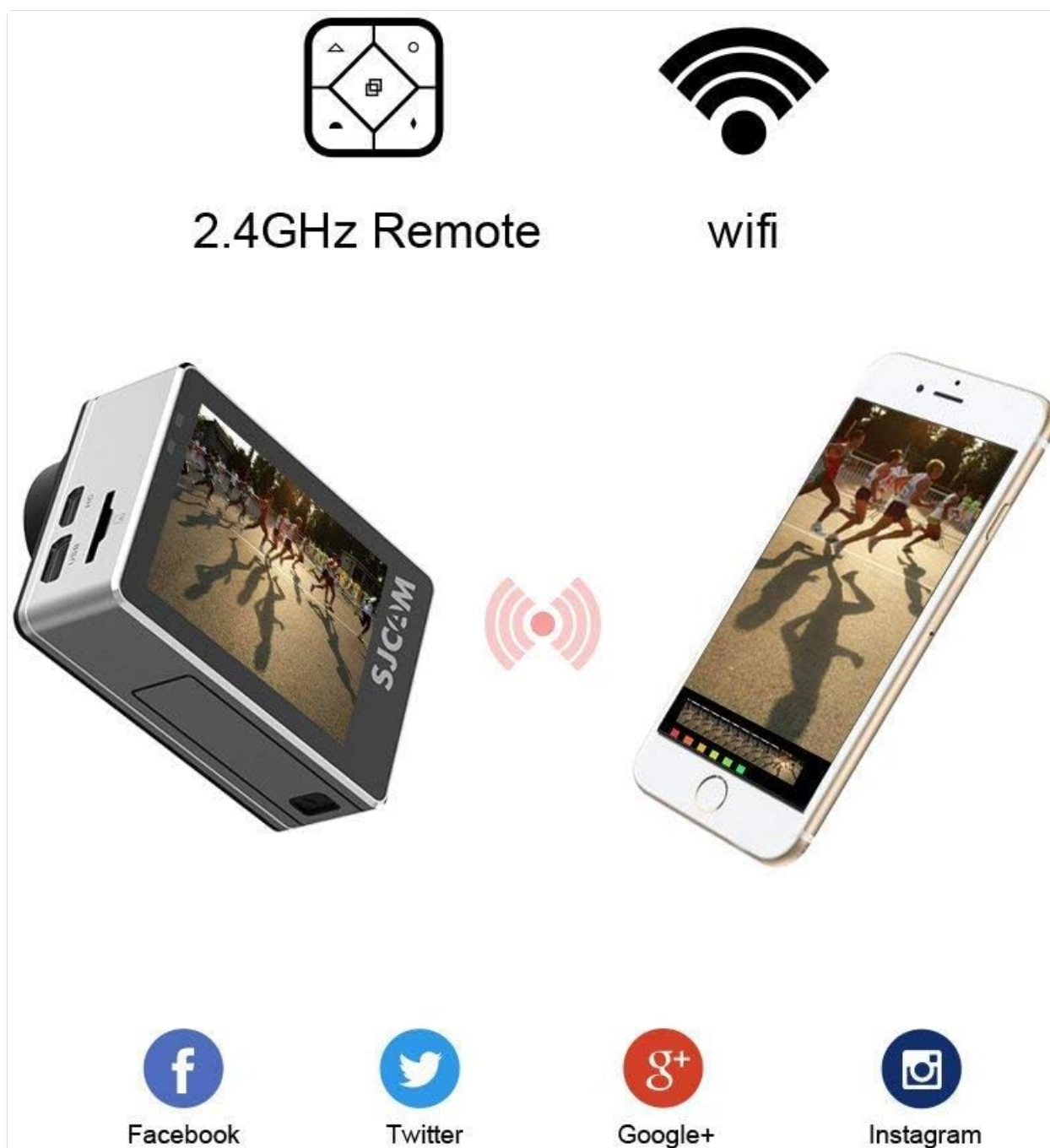


Figure 4.5: Wi-Fi and Remote Control. This image illustrates the camera's wireless connection capabilities, showing it paired with a smartphone for remote operation and sharing to social media platforms.

4.6 Remote Control

The camera is compatible with a 2.4GHz remote control (sold separately) for convenient operation from a distance.

5. SETTINGS

Access the settings menu via the touch screen or by pressing the Setting/Wi-Fi button. Adjust various parameters to customize your recording experience.

5.1 Video Settings

- **Resolution:** Select from various resolutions including Native 4K (3840x2160 30fps), 2.7K, 2.5K, 1440P, 1080P, 960P, and 720P.
- **Frame Rate:** Adjust frame rates up to 200fps for 720P SuperView.
- **SuperView:** Available for 4K, 2.7K, 1080P, and 720P resolutions.
- **EIS (Electronic Image Stabilization):** Supported for 1080P at 60/30fps.

- **Loop Recording:** Enables continuous recording by overwriting the oldest files.
- **Motion Detection:** Starts recording automatically when motion is detected.

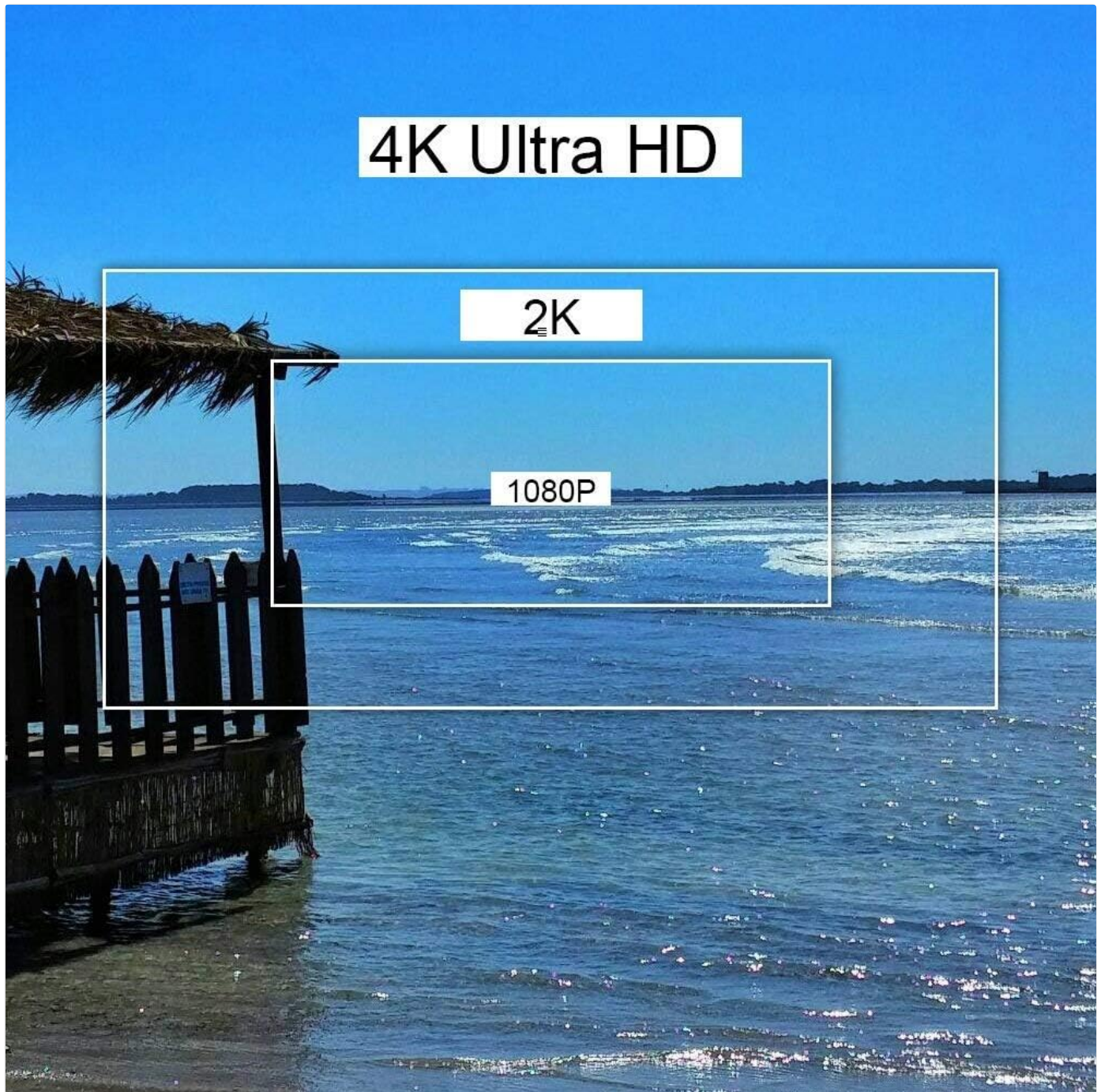


Figure 5.1: Video Resolution Comparison. This image visually demonstrates the difference in detail and clarity between 4K Ultra HD, 2K, and 1080P resolutions.

5.2 Photo Settings

- **Resolution:** Capture photos up to 12MP (interpolated to 16MP).
- **Time-lapse:** Capture a series of photos at set intervals.
- **Self-timer:** Set a delay before taking a photo.
- **Continuous Shooting:** Take multiple photos in quick succession.

5.3 General Settings

- **White Balance:** Adjust color temperature for accurate colors.
- **Exposure Compensation:** Control image brightness.
- **Sharpness:** Adjust image detail.

- **Gyro Stabilization:** Enhance video stability, especially during movement.

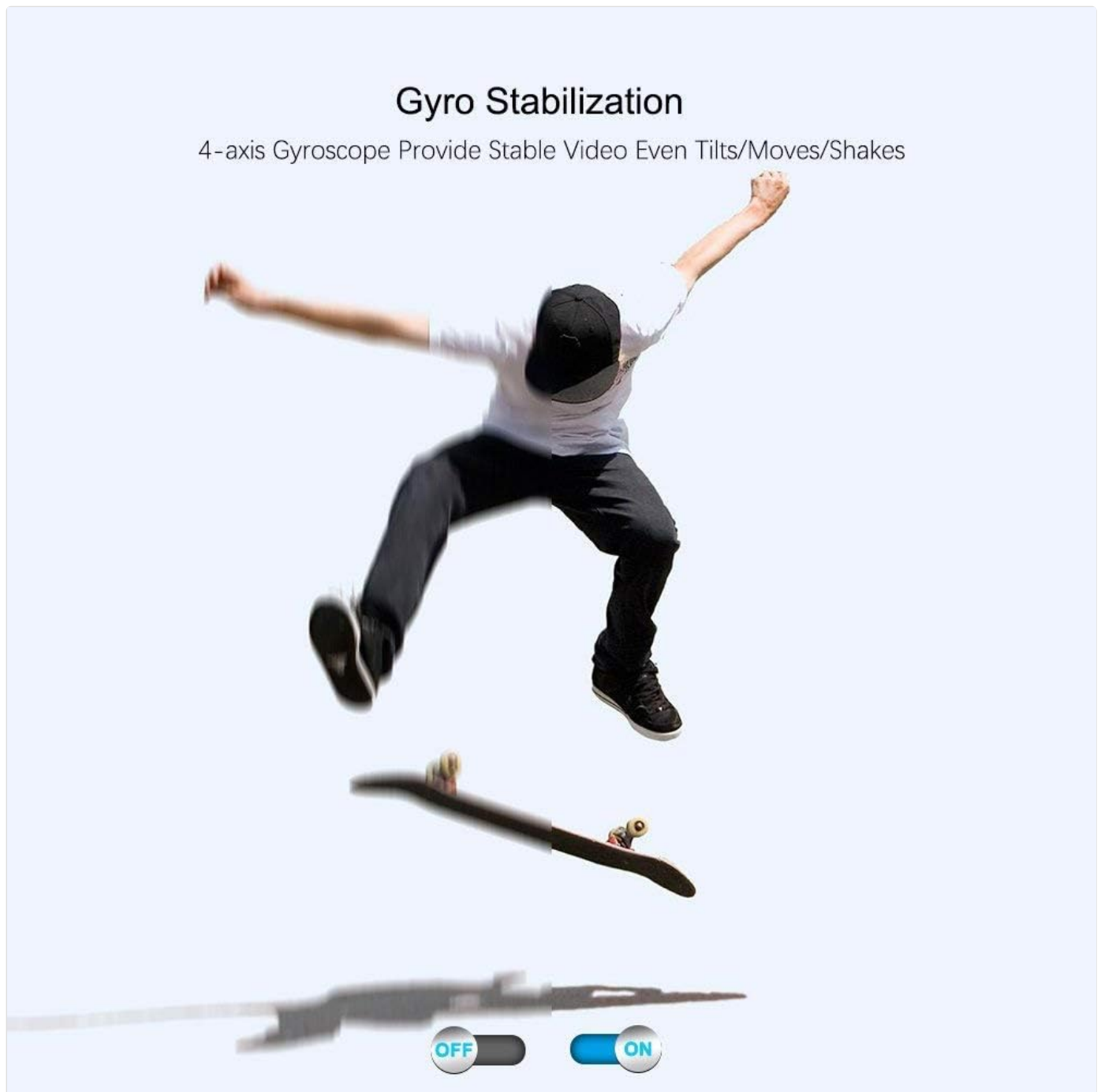


Figure 5.3: Gyro Stabilization. This image highlights the 4-axis gyroscope feature, which provides stable video footage even during tilts, moves, or shakes, as demonstrated by a skateboarder in action.

6. MAINTENANCE

6.1 Cleaning

- Use a soft, lint-free cloth (like the included cleaning cloth) to wipe the lens and screen.
- Do not use harsh chemicals or solvents.
- Ensure the camera and waterproof housing are clean and dry after use, especially after exposure to saltwater.

6.2 Storage

- Store the camera in a cool, dry place away from direct sunlight.
- Remove the battery if storing for extended periods.

7. TROUBLESHOOTING

- **Camera not turning on:** Ensure the battery is charged and correctly inserted. Try charging the camera for at least 30 minutes.
- **Camera freezing:** Remove and reinsert the battery. If the issue persists, try updating the firmware or formatting the MicroSD card.
- **Poor video/photo quality:** Check selected resolution and frame rate settings. Ensure the lens is clean. Verify that the MicroSD card meets the recommended speed class.
- **Overheating:** It is normal for the camera to get warm during extended use, especially when recording in 4K. If it becomes excessively hot or shuts down, allow it to cool down. Avoid direct sunlight exposure during operation.
- **Wi-Fi connection issues:** Ensure Wi-Fi is enabled on the camera and your smartphone. Restart both devices. Check for app updates.

8. SPECIFICATIONS

Chipset	Ambarella A12S75
LCD Display	2-inch TFT LCD Touch Screen
Video Resolution	4K (3840x2160 30fps Native), 2.7K, 2.5K, 1440P, 1080P, 960P, 720P
Photo Resolution	12MP (interpolated to 16MP)
Image Format	JPEG
Video Format	H.264 BP/MP/HP Level 5.1, MJPEG
Audio	PCM 48KHz 16bit, External Microphone support
Stabilization	Gyro Stabilization (EIS for 1080P 60/30fps)
Connectivity	Wi-Fi, USB, HDMI
Storage	MicroSD Card (up to 128GB)
Battery	1000mAh Rechargeable Li-ion
Weight	74 grams
Waterproof Depth	30 meters (with waterproof housing)

9. WARRANTY AND SUPPORT

SJCAM offers a 1-year warranty for the camera and a 6-month warranty for the battery. For technical support, firmware updates, or warranty claims, please visit the official SJCAM website or contact your retailer. Ensure to register your product if required to activate the warranty.

10. INCLUDED ACCESSORIES

The SJCAM SJ7 STAR package typically includes a variety of accessories to enhance your camera’s versatility:

- SJCAM SJ7 STAR Action Camera
- Waterproof Housing
- Quick Release Buckle
- Handlebar Seatpost Mount

- Curved Adhesive Mount
- Flat Adhesive Mount
- 3-Way Pivot Arm Mount
- 3M Adhesive Tapes (x2)
- Frame Mount
- Quick Release Clip for Frame
- Vertical Quick Release J-Hook Buckle
- Universal 1/4-inch Camera Tripod Mount
- Tripod Mount Adapter
- Cleaning Cloth
- USB Cable
- 1000mAh Li-ion Battery
- Multi-language Manual
- SJCAM Stickers (x2)

Note: SJ Smart Remote Control and external microphone are sold separately.

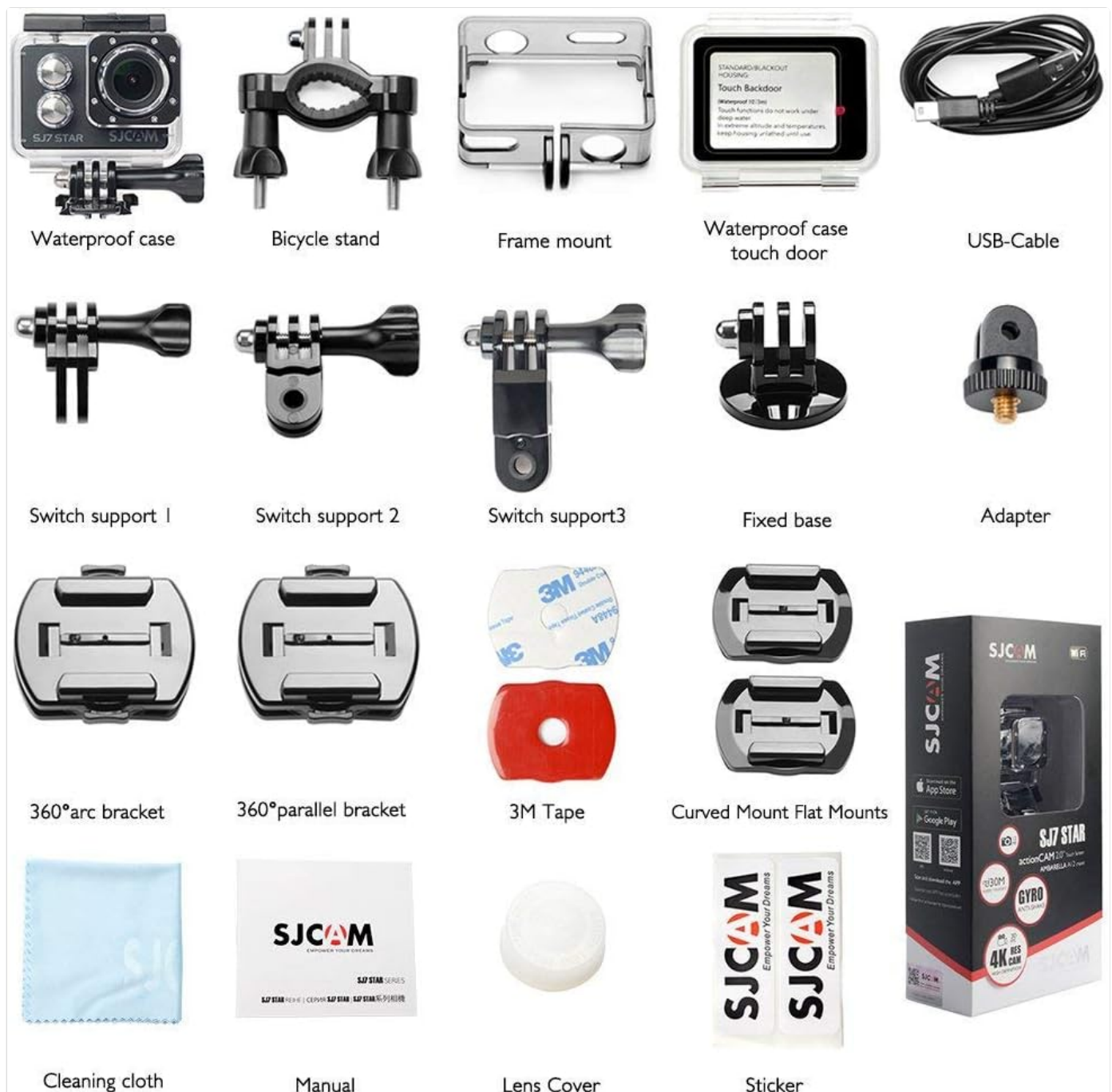


Figure 10.1: Included Accessories. This image shows the camera along with its various mounts, waterproof case, cables, cleaning cloth, manual, and other components that come in the package.

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

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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