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> icefox 5K Action Camera User Manual

icefox K80

icefox 5K Action Camera User Manual

Model: K80

1. INTRODUCTION

Thank you for choosing the icefox 5K Action Camera. This manual provides detailed instructions on how to set up, operate, and maintain your camera to ensure optimal performance and longevity. Please read this manual thoroughly before using the product.

The icefox K80 is a high-performance action camera designed to capture your adventures in stunning 5K resolution. Featuring Electronic Image Stabilization (EIS), a touch screen, adjustable view angles, and waterproof capabilities, it's perfect for various sports and outdoor activities.

2. PRODUCT OVERVIEW

2.1 Package Contents

Ensure all the following items are included in your package:

- 1 x icefox Action Camera
- 1 x Waterproof Case
- 2 x 1350mAh Batteries
- 1 x 2.4G Wireless Remote Control
- 1 x External Microphone
- 1 x Handlebar/Pole Mount
- 7 x Mounts (various types)
- 1 x Helmet Mount
- 1 x USB Cable
- 2 x Adhesives
- 1 x Lens Cloth
- 4 x Bandages
- 4 x Holding Straps

- 1 x Metal Holding Strap

2.2 Key Features

- **5K Ultra HD Video & 20MP Photos:** Professional 5K 30fps & 4K 60fps video recording with 20MP photo capture.
- **Electronic Image Stabilization (EIS):** Reduces shake and ensures stable, clear footage during movement.
- **Dual Screens:** Features a 2.0-inch LTPS LCD touchscreen on the back and a 1.4-inch LCD front screen for easy framing and selfies.
- **Adjustable View Angle & 4X Zoom:** Three adjustable viewing angles (110°, 140°, 170°) and 4x digital zoom to capture wider scenes or closer details.
- **Waterproof Design:** Waterproof up to 5 meters (16 feet) without the case, and up to 30 meters (98 feet) with the included IP68 waterproof housing. Includes a dedicated diving mode for vibrant underwater colors.
- **Wireless Remote Control:** Convenient 2.4G wrist remote for easy photo and video control.
- **External Microphone Support:** Enhances audio recording quality, even in noisy environments.
- **Built-in Wi-Fi & HDMI:** Connects to smartphones/tablets via app for remote viewing and control, and to TVs via HDMI.
- **Supports up to 128GB Micro SD Card:** (Micro SD card not included).

2.3 Camera Components



Figure 2.3.1: icefox 5K Action Camera and Included Accessories.

This image displays the icefox 5K Action Camera, two 1350mAh batteries, an external microphone, and the 2.4G wireless remote control. The camera features a front screen and a main touchscreen display on the back, showing a skiing scene.



3. SETUP

3.1 Battery Installation and Charging

1. Open the battery compartment cover located at the bottom of the camera.
2. Insert the 1350mAh battery with the correct orientation, ensuring the contacts align.
3. Close the battery compartment cover securely.
4. To charge, connect the camera to a USB power source using the provided USB cable. The charging indicator light will illuminate during charging and turn off when fully charged.

3.2 MicroSD Card Installation

The camera supports Micro SD cards up to 128GB (Class 10 or higher recommended).

1. Locate the Micro SD card slot on the side of the camera.
2. Insert the Micro SD card with the gold contacts facing the back of the camera until it clicks into place.
3. To remove, gently push the card until it pops out.

3.3 Waterproof Case Usage

Body Waterproof

Up to **5m/16ft** waterproof without the extra case



Up to **30m/98ft** with incl. waterproof housing.

Figure 3.3.1: Camera Body Waterproofing.

This image illustrates the camera's inherent waterproof capability up to 5 meters (16 feet) without the need for an additional case, making it suitable for light water activities.



Electronic Image Stabilization

Keep your footage smooth & clear

5K 30fps, 4K 60/30fps, 2.7K 60/30fps, 1080P 60/30fps, 720P 60fps

Figure 3.3.2: Camera with Waterproof Housing.

This image shows the camera enclosed in its waterproof housing, which extends its waterproof depth to 30 meters (98 feet) for diving and more intense water sports. Note: This image also shows EIS functionality, which is covered in the Operating section.

The icefox K80 is waterproof up to 5 meters (16 feet) without the waterproof case. For depths up to 30 meters (98 feet), use the included IP68 waterproof housing.

- Before each use, ensure the waterproof case is clean and free of debris.
- Place the camera inside the case, ensuring it fits snugly.
- Close the latch securely. A click sound indicates it's properly sealed.
- *Important:* Always test the waterproof case without the camera inside before first use, especially for deep water activities.

4. OPERATING INSTRUCTIONS

4.1 Basic Operations

- **Power On/Off:** Press and hold the Power/Mode button on the front of the camera for 3 seconds.
- **Mode Switching:** Short press the Power/Mode button to cycle through video, photo, playback, and settings modes.
- **Shutter/Select Button:** Press the Shutter button on top to start/stop recording or take a photo. In menu, it acts as a select button.
- **Navigation:** Use the touchscreen for navigation or the Up/Down buttons on the side (if applicable) to navigate menus.

4.2 Video Recording

1. Switch to Video Mode.
2. Press the Shutter button to start recording. A red indicator light will blink, and the recording timer will appear on the screen.
3. Press the Shutter button again to stop recording.

Video Resolutions: 5K 30fps, 4K 60/30fps, 2.7K 60/30fps, 1080P 120/60/30fps, 720P 240/120/60fps.

4.3 Photo Capture

1. Switch to Photo Mode.
2. Frame your shot using the screen.
3. Press the Shutter button to take a photo.

Photo Resolutions: 20M/16M/14M/10M/8M/5M/2M.

4.4 Electronic Image Stabilization (EIS)



Figure 4.4.1: Electronic Image Stabilization in Action.

This image visually demonstrates the effect of Electronic Image Stabilization (EIS) by comparing a shaky "EIS OFF" shot with a smooth "EIS ON" shot, highlighting how EIS keeps footage clear and stable.

EIS helps to stabilize your footage, reducing the impact of camera shake during activities. To enable or disable EIS:

- Go to the camera's settings menu.
- Locate the "EIS" option and toggle it On or Off as desired.

4.5 Adjustable View Angle and Zoom

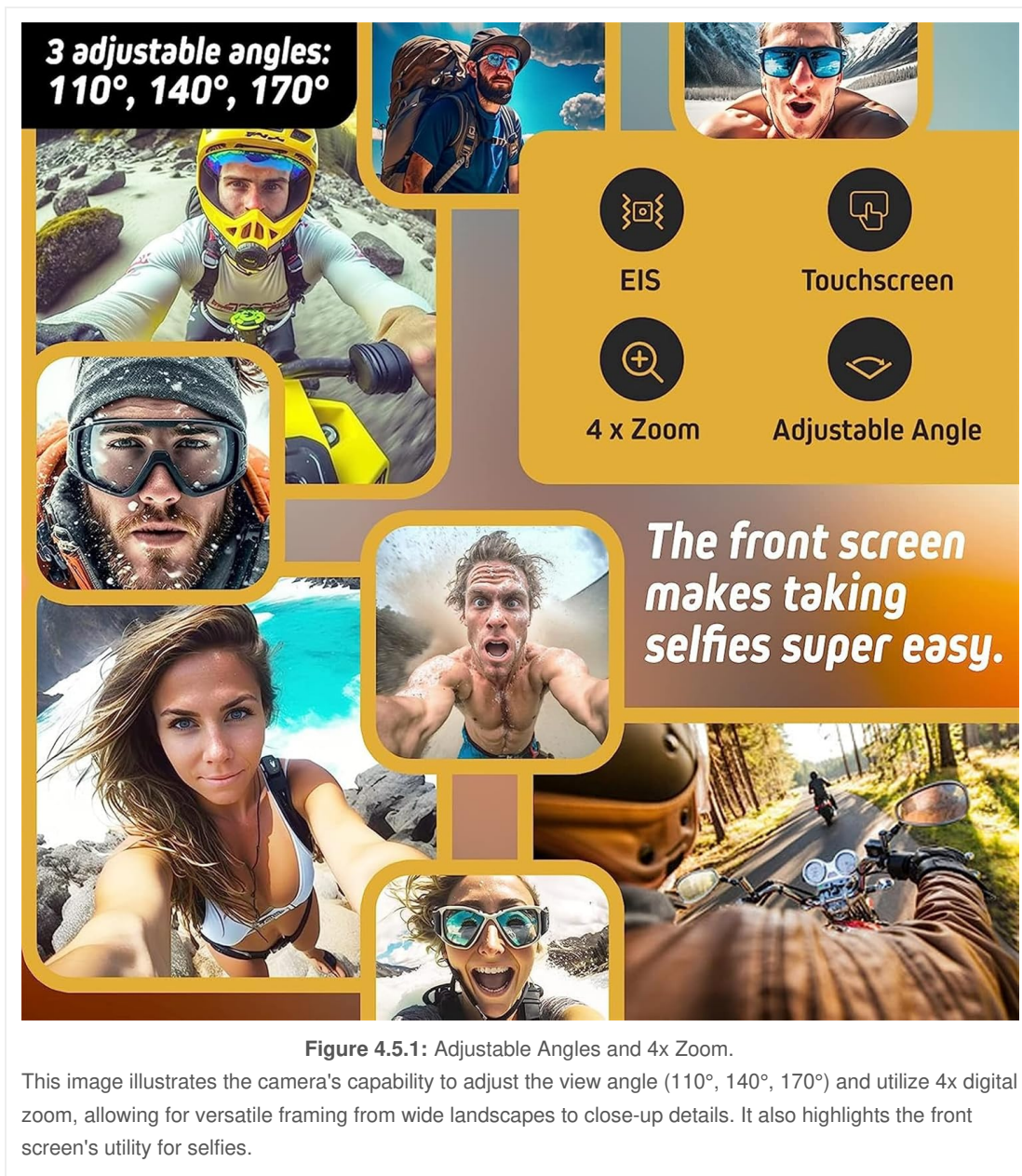


Figure 4.5.1: Adjustable Angles and 4x Zoom.

This image illustrates the camera's capability to adjust the view angle (110°, 140°, 170°) and utilize 4x digital zoom, allowing for versatile framing from wide landscapes to close-up details. It also highlights the front screen's utility for selfies.

The camera offers three adjustable view angles: 110°, 140°, and 170°. You can also use the 4x digital zoom.

- Access these settings through the camera's menu.
- Select the desired view angle to capture more or less of the scene.
- Use the zoom function (usually via touchscreen gestures or dedicated buttons) to magnify your subject.

4.6 Wi-Fi Connection (App Control)

Connect your camera to a smartphone or tablet via Wi-Fi for remote control and file transfer.

1. Download the "ISmart DV" app from your device's app store.
2. On the camera, enable Wi-Fi from the settings menu. The camera's Wi-Fi name and password will be displayed.
3. On your smartphone/tablet, go to Wi-Fi settings and connect to the camera's Wi-Fi network.
4. Open the "ISmart DV" app. You can now view live footage, control recording, and download files.

4.7 Remote Control Usage



Figure 4.7.1: Wireless Remote Control.

This image showcases the 2.4G splash-proof wireless remote control, designed for convenient photo and video capture from a distance. It also highlights the 3.7V 1350mAh battery, indicating its power source.

The included 2.4G wireless remote control allows you to operate the camera from a distance.

- Ensure the remote control battery is installed.
- Press the video button on the remote to start/stop video recording.
- Press the photo button on the remote to take a photo.

4.8 External Microphone Connection

For enhanced audio quality, connect the external microphone.

- Locate the microphone port on the side of the camera (usually a 2.5mm or 3.5mm jack).
- Plug in the external microphone securely. The camera will automatically switch to the external microphone for audio input.

5. MAINTENANCE

5.1 Cleaning and Storage

- Use a soft, lint-free cloth to clean the camera lens and screen. For stubborn smudges, use a lens cleaning solution.
- Clean the waterproof case after each use, especially after saltwater exposure, by rinsing with fresh water and allowing it to air dry.

- Store the camera and accessories in a cool, dry place away from direct sunlight and extreme temperatures.

5.2 Battery Care

- Fully charge batteries before first use.
- Do not expose batteries to fire or excessive heat.
- If storing the camera for extended periods, remove the batteries.
- Dispose of depleted batteries according to local regulations.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera does not power on.	Battery is depleted or not inserted correctly.	Charge the battery or reinsert it correctly.
Cannot record video/take photos.	Micro SD card is full, corrupted, or not inserted.	Insert a Micro SD card, format it, or delete existing files. Ensure card is Class 10 or higher.
Footage is shaky.	EIS is off or not effective in extreme conditions.	Ensure EIS is enabled in settings. Use a stable mount.
Wi-Fi connection issues.	Incorrect password, camera Wi-Fi not enabled, or app issues.	Verify Wi-Fi password, ensure camera Wi-Fi is on, restart camera and app.
Poor audio quality.	Internal microphone used in noisy environment, or external mic not connected properly.	Connect external microphone. Ensure microphone is not obstructed.
Water leakage into case.	Case not sealed properly, or seal is damaged.	Ensure case is clean and latched correctly. Inspect rubber seal for damage. Do not use if seal is compromised.

7. SPECIFICATIONS

Feature	Detail
Brand	icefox
Model	K80
Color	Deep Black
Video Resolution	5K 30fps, 4K 60/30fps, 2.7K 60/30fps, 1080P 120/60/30fps, 720P 240/120/60fps
Photo Resolution	20MP (Effective Still Resolution)
Image Stabilization	Electronic Image Stabilization (EIS)
Screen Size	Main: 2.0 inches LTPS LCD Touchscreen; Front: 1.4 inches LCD
View Angle	Adjustable (110°, 140°, 170°)

Feature	Detail
Digital Zoom	4x
Waterproof Level	5m (16ft) without case; 30m (98ft) with IP68 waterproof case
Connectivity	Wi-Fi, HDMI
Storage	Micro SD (up to 128GB, Class 10+)
Battery	2 x 1350mAh Lithium-ion
Dimensions (L x W x H)	6 x 4.5 x 3.5 cm (2.36 x 1.77 x 1.38 inches)
Weight	730 grams
Compatible Devices	Smartphones, Tablets, TVs, Computers

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the contact details provided with your purchase or visit the official icefox website.

Please retain your proof of purchase for any warranty claims.