Generic Firefly Q6

Zephis Hawkeye Firefly Q6 Sports Camera User Manual

Comprehensive guide for setup, operation, and maintenance of your Hawkeye Firefly Q6 Action Camera.

1. INTRODUCTION

The Zephis Hawkeye Firefly Q6 is a versatile and compact sports camera designed for high-definition video recording and photography. Featuring a Novatek 96660 chipset and IMX078 back illumination CMOS image sensor, it supports 4K video recording and offers built-in image stabilization for clear, steady footage. Its mini portable size makes it ideal for various applications, including FPV racing drones and other action-packed scenarios.

Key Features:

- Novatek 96660 chipset with IMX078 back illumination CMOS image sensor.
- 4K high-definition video recording capabilities.
- Mini portable size, suitable for aerial shots and discreet recording.
- Built-in image stabilization gyroscope for smooth video.
- Equipped with a 0.7-inch OLED screen for quick settings adjustments.
- AV output and remote video camera functionality.

Figure 1: Front view of the Zephis Hawkeye Firefly Q6 sports camera, showcasing its compact design and control buttons.

2. SETUP

2.1 Package Contents

Before proceeding, ensure all components are present in your package:

- Hawkeye Firefly Q6 Camera
- USB Charging Cable
- (Optional) Rail Bracket (if purchased with rail version)
- User Manual (this document)

2.2 Charging the Battery

The Firefly Q6 has a built-in 700mAh battery. For optimal performance, fully charge the camera before first use.

1. Connect the camera to a 5V 1A USB power source (e.g., computer USB port or wall adapter) using the provided USB cable.
2. The charging indicator light will illuminate.
3. Once fully charged, the indicator light will change or turn off (refer to camera's OLED screen for battery status).

Note: Charging time may vary depending on the power source.

2.3 Inserting a MicroSD Card

A MicroSD (TF) card (not included) is required to store recordings. The camera supports cards up to 32GB, Class 10 or higher is recommended.

1. Locate the MicroSD card slot on the camera.
2. Gently insert the MicroSD card with the gold contacts facing down (or as indicated by the camera's slot diagram) until it clicks into place.
3. To remove, gently push the card in again until it springs out.

Important: Ensure the camera is powered off before inserting or removing the MicroSD card to prevent data corruption.

Figure 2: Zephis Hawkeye Firefly Q6 camera with an optional rail bracket, demonstrating potential mounting configurations.

3. OPERATING THE CAMERA

3.1 Powering On/Off

- **Power On:** Press and hold the Power button (usually marked with a circle or 'M') for a few seconds until the OLED screen illuminates.
- **Power Off:** Press and hold the Power button again until the screen turns off.

3.2 Navigating the Menu

The 0.7-inch OLED screen displays current mode, settings, and battery status. Use the control buttons (often directional arrows or mode/shutter buttons) to navigate.

- **Mode Button:** Typically cycles through video, photo, and settings modes.
- **Up/Down Buttons:** Navigate through menu options.
- **Shutter/OK Button:** Selects an option or starts/stops recording/takes a photo.

3.3 Video Recording

The Firefly Q6 supports various video resolutions and frame rates:

- 4K (4096 x 2160) at 24fps
- 2.5K (2560 x 1600) at 30fps
- 1080P (1920 x 1080) at 60fps/30fps
- 720P (1280 x 720) at 120fps
- VGA (640 x 480) at 30fps

1. Ensure the camera is in Video Mode.
2. Press the Shutter/OK button to start recording. A recording indicator (e.g., flashing light or on-screen icon) will appear.
3. Press the Shutter/OK button again to stop recording.

Tip: For fast-paced action, higher frame rates (e.g., 120fps) provide smoother slow-motion playback.

3.4 Photo Capture

The camera supports image resolutions up to 16M.

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

3.5 Advanced Settings

Access the camera's settings menu to adjust parameters such as:

- **Time-lapse:** Off, 0.5s, 3s, 5s, 10s, 30s intervals.
- **ISO:** Auto, ISO100, ISO400, ISO1600.
- **Loop-cycle recording:** 5min, OFF.
- **WDR (Wide Dynamic Range):** Enhances detail in both bright and dark areas.
- **Video Output:** HD (HDMI) output for connecting to external displays.

Figure 3: The Hawkeye Firefly Q6 camera in black, demonstrating its compact form factor and rail mounting capability.

4. MAINTENANCE

4.1 Cleaning the Camera

- Use a soft, lint-free cloth to wipe the camera body.
- For the lens, use a specialized lens cleaning cloth and solution. Avoid abrasive materials.
- Do not use strong detergents or solvents.

4.2 Battery Care

- Avoid exposing the camera to extreme temperatures (hot or cold) for prolonged periods, as this can affect battery life.
- If storing the camera for an extended time, charge the battery to about 50% to preserve its lifespan.

4.3 Storage

Store the camera in a cool, dry place, away from direct sunlight and excessive humidity. Keep it in its original packaging or a protective case when not in use.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera does not power on.	Battery is depleted.	Charge the camera battery fully.
Cannot record video/take photos.	No MicroSD card inserted or card is full/corrupted.	Insert a Class 10 or higher MicroSD card. Format the card if necessary (this will erase all data). Ensure sufficient space.
Video footage is shaky.	Image stabilization might be off or extreme movement.	Ensure the built-in image stabilization is enabled in settings. Minimize excessive camera movement.
Camera freezes or becomes unresponsive.	Software glitch or temporary error.	Perform a soft reset by holding the Power button until it turns off, then restart. If persistent, remove and reinsert the battery (if accessible) or perform a factory reset (consult advanced settings).

6. SPECIFICATIONS

Feature	Detail
Chipset	Novatek 96660
Image Sensor	IMX078 back illumination CMOS
Video Resolution	4K 24fps, 2.5K 30fps, 1080P 60/30fps, 720P 120fps, VGA 30fps
Image Resolution	16M, 8M, 5M
Video Format	MP4 (H.264)
Image Format	JPG
Screen Size	0.7 inch OLED
Lens Wide Angle	120 degree wide angle lens (Undistorted version available)
Battery Type	Built-in Lithium-ion
Battery Capacity	700mAh
Power Supply	5V 1A
Max External Card Supported	TF 32GB (Class 10 recommended)
Image Stabilization	Yes (Built-in gyroscope)
Audio System	Built-in microphone/speaker (AAC)
Output	AV output, HD (HDMI) output
Features	Time-lapse, Loop-cycle recording, WDR, Remote video camera support

Figure 4: The Hawkeye Firefly Q6 camera in yellow, also available with a rail mounting option.

7. WARRANTY AND SUPPORT

This product is covered by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact the seller directly.

Customer Support:

If you encounter any issues or have questions not covered in this manual, please contact the seller or manufacturer for assistance. Keep your purchase receipt and product serial number handy when seeking support.

For the latest information and firmware updates, please visit the official Zephis or Hawkeye Firefly website (if available).