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Model: H81

1. INTRODUCTION

This manual provides comprehensive instructions for the B-Qtech H81 WiFi Helmet Camera. It covers product features, setup procedures, operational guidelines, maintenance tips, and troubleshooting information to ensure proper use and optimal performance of your device. The H81 camera is designed for capturing high-definition video during various outdoor activities such as cycling, motorcycling, and other sports.

120° Ultra Wide-Angle Recording

Suitable for cycling/motorcycle riding, mountain climbing, fishing, skiing, tourism, hunting, outdoor exploration



Image 1.1: The B-Qtech H81 WiFi Helmet Camera, showcasing its compact and cylindrical design.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Bicycle Motorbike Helmet Camera (H81)
- USB Cable
- Mounting Bracket (various types for helmet and bike)
- User Manual (this document)

Package Accessories



Camera



Buckle



Bicycle stand



Bracket



Bracket



Charging video cable



USB power cord

Image 2.1: All components included in the B-Qtech H81 WiFi Helmet Camera package, including the camera, various mounts, and cables.

3. PRODUCT OVERVIEW

Familiarize yourself with the physical components and interfaces of your H81 camera.

Small & Compact Design

Ultra-lightweight form factor and durable alloy housing maintain stability while staying comfortable for wearable or mountable use.



Image 3.1: Detailed diagram of the H81 camera, highlighting its buttons, ports, and indicators.

1. **WiFi Key:** Activates/deactivates Wi-Fi connectivity.
2. **Type-C Interface:** Used for charging and data transfer (USB webcam mode).
3. **Reset Button:** Resets the device to factory settings.
4. **TF Booth (MicroSD Card Slot):** Insert your MicroSD card here.
5. **Video/Photo Indicator Light:** Indicates current operating mode (video recording or photo capture).
6. **Video/Photo Button:** Initiates video recording or takes a photo.
7. **Power On/Off/Switch Button:** Turns the camera on/off and switches modes.
8. **WiFi/Charging Indicator Light:** Shows Wi-Fi status and charging status.
9. **Camera Lens:** The primary lens for capturing video and images.

4. SETUP

4.1. Charging the Battery

Before initial use, fully charge the camera's built-in 1600mAh battery. Connect the camera to a USB power source using the provided Type-C USB cable. The charging indicator light will illuminate during charging and turn off when fully charged. A full charge typically takes approximately 3 hours and provides up to 2.5 hours of continuous recording.

Built in 1600mah Rechargeable Battery

Long Battery Life



1. Continuous recording for 3 hours
2. Support recording while charging
3. Automatic loop overlay recording

Image 4.1: The H81 camera highlighting its 1600mAh rechargeable battery and charging capabilities.

4.2. Inserting a MicroSD Card

The camera requires a MicroSD card (not included) for storing recordings. It supports cards up to 256GB. For optimal performance, use a Class 10, UHS-3, or V6 speed class MicroSD card. Locate the TF Booth (MicroSD card slot) as shown in Image 3.1 and gently insert the card until it clicks into place.

4.3. Mounting the Camera

Utilize the included mounting brackets to securely attach the camera to your helmet, bicycle handlebars, or other sports gear. Ensure the camera is firmly attached and positioned to capture your desired field of view (120° wide-angle).

4.4. App Installation and Wi-Fi Connection

To access live footage, playback, and download files, install the dedicated app on your smartphone (compatible with

Android and iOS). Turn on the camera's Wi-Fi by pressing the WiFi Key. Connect your smartphone to the camera's Wi-Fi network (SSID and password typically found on the camera or in the app instructions). Open the app to establish a connection.



Image 4.2: The H81 camera demonstrating Wi-Fi connectivity for real-time preview and smartphone synchronization.

5. OPERATING INSTRUCTIONS

5.1. Power On/Off

Press and hold the **Power On/Off/Switch Button** (7) for a few seconds to turn the camera on or off. The indicator lights will confirm the power status.

5.2. Video Recording

Once powered on, press the **Video/Photo Button** (6) to start video recording. The Video/Photo Indicator Light (5) will change to indicate recording is in progress. Press the button again to stop recording. The camera captures 1080p HD video at 30 frames per second with a 120° wide-angle lens.

5.3. Photo Capture

While in standby mode, a short press of the **Video/Photo Button** (6) will capture a still image. The indicator light may flash briefly to confirm the photo has been taken.

5.4. Loop Recording

The H81 camera supports automatic loop recording. When the MicroSD card is full, the camera will automatically overwrite the oldest files to continue recording. This feature is ideal for continuous use as a dash cam.

5.5. Anti-Shake Function

The camera incorporates an internal gyroscope to provide image stabilization, reducing shake and vibration in your recordings for smoother footage.



Image 5.1: Visual representation of the anti-shake function's effect on video stability.

5.6. Wi-Fi Connectivity

After connecting to the camera's Wi-Fi network via your smartphone, use the dedicated app to view live footage, review

recorded videos and photos, and download files directly to your phone.

5.7. USB Webcam Mode

Connect the camera to a computer using the Type-C USB cable. The camera can function as a USB webcam, suitable for video calls or live streaming.

Adopting H.265 Storage Compression Technology

Save 50% of Memory



Image 5.2: The H81 camera utilizes H.265 storage compression technology to optimize memory usage.

6. MAINTENANCE

6.1. Cleaning

Wipe the camera body with a soft, dry cloth. For the lens, use a specialized lens cleaning cloth and solution to avoid scratches. Do not use harsh chemicals or abrasive materials.

6.2. Storage

Store the camera in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the battery is partially charged (around 50%) if storing for extended periods.

6.3. Battery Care

To prolong battery life, avoid fully discharging the battery frequently. Recharge the battery regularly, even if the camera is not in use. The camera is designed to operate within a temperature range of 14°F to 140°F (-10°C to 60°C).



Image 6.1: The H81 camera features an IP66 waterproof design, suitable for various weather conditions.

7. TROUBLESHOOTING

- **Camera not turning on:** Ensure the battery is charged. Connect to a power source and try again. If the issue persists, try pressing the Reset Button (3).
- **Recording not starting:** Check if a MicroSD card is properly inserted and has sufficient free space. Ensure the card meets the recommended specifications (Class 10, UHS-3, or V6).
- **Wi-Fi connection issues:** Verify that Wi-Fi is enabled on the camera and your smartphone. Ensure you are connecting to the correct camera SSID and entering the correct password. Try restarting both the camera and your smartphone.
- **Poor video quality/jerky footage:** Ensure the lens is clean. Verify that the anti-shake function is active. If recording

in low light, adjust settings via the app if available.

- **Buttons unresponsive:** Try pressing the Reset Button (3) with a small pin. If the issue continues, ensure the camera is adequately charged.

8. SPECIFICATIONS

Feature	Specification
Model Number	H81
Video Capture Resolution	1080p
Video Capture Format	1080P HD (MP4)
Image Aspect Ratio	16:9
Supported Image Format	JPG
Viewing Angle	120 degrees (Wide Angle Lens)
Image Stabilization	Digital (Internal Gyroscope)
Water Resistance Level	IP66 Waterproof
Battery Capacity	1600mAh
Battery Average Life	2.5 hours (recording)
Charging Time	3 hours
Flash Memory Type	Micro SD (up to 256GB)
Flash Memory Speed Class	C10, UHS-3, V6 recommended
Connectivity Technology	USB, Wi-Fi
Compatible Devices	Smartphone, Computer, Laptop
Operating System	Android, iOS
Item Dimensions (D x W x H)	1.18"D x 1.18"W x 3.54"H
Item Weight	14.4 ounces
Operating Temperature Range	14°F to 140°F (-10°C to 60°C)

9. WARRANTY AND SUPPORT

The B-Qtech H81 WiFi Helmet Camera comes with a **1-Year Manufacturer Warranty**. For any technical assistance, warranty claims, or support inquiries, please refer to the contact information provided with your purchase or visit the official B-Qtech website.

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

Anonymous

Email

you@example.com

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