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› GoPro HERO13 Black - Waterproof Action Camera with 5.3K60 Video, 27MP Photo + Compatability with HB-Series Lenses H13 User Manual

GoPro CHDHX-131-TH

GoPro HERO13 Black User Manual

Your Guide to Adventure Capture

1. INTRODUCTION

Welcome to the world of unparalleled action capture with your new GoPro HERO13 Black. This camera is engineered for durability and high-performance, offering best-in-class 5.3K60 video and 27MP photos. Designed for creators, it introduces compatibility with new HB-Series Lenses and features an enhanced Enduro battery for extended recording. This manual will guide you through setting up, operating, and maintaining your HERO13 Black to ensure you get the most out of every adventure.



Figure 1.1: Front view of the GoPro HERO13 Black camera, showcasing its sleek design and dual screens.

2. WHAT'S IN THE BOX

Your GoPro HERO13 Black package includes the following components:

- GoPro HERO13 Black Camera
- Enduro Battery
- Mounting Buckle + Thumb Screw
- USB-C Cable



Figure 2.1: All components included in the standard GoPro HERO13 Black package, laid out for clear identification.

3. SETUP

3.1 Charging the Battery

Before first use, fully charge the Enduro battery. Connect the included USB-C cable to the camera's USB-C port and plug the other end into a USB power adapter (not included) or a computer. The front status light will indicate charging status.

3.2 Inserting a microSD Card

The HERO13 Black requires a microSD card (sold separately) to store photos and videos. Open the side door, insert the microSD card with the label facing the front of the camera until it clicks into place. Ensure the card is a recommended Class 10 or UHS-I/UHS-3 rating for optimal performance.

3.3 Initial Power On and Pairing

Press the Mode button to power on the camera. Follow the on-screen prompts to select your language and set up basic preferences. For advanced control and media management, download the GoPro Quik app on your mobile device and follow the in-app instructions to pair your camera.

3.4 Mounting Your Camera

The HERO13 Black features an updated mounting system for increased flexibility. Use the included mounting buckle and thumb screw to attach your camera to various GoPro mounts and accessories. Ensure the camera is securely fastened before engaging in any activity.



Figure 3.1: Demonstrates the process of attaching the GoPro HERO13 Black to a bicycle frame using its integrated mounting fingers.

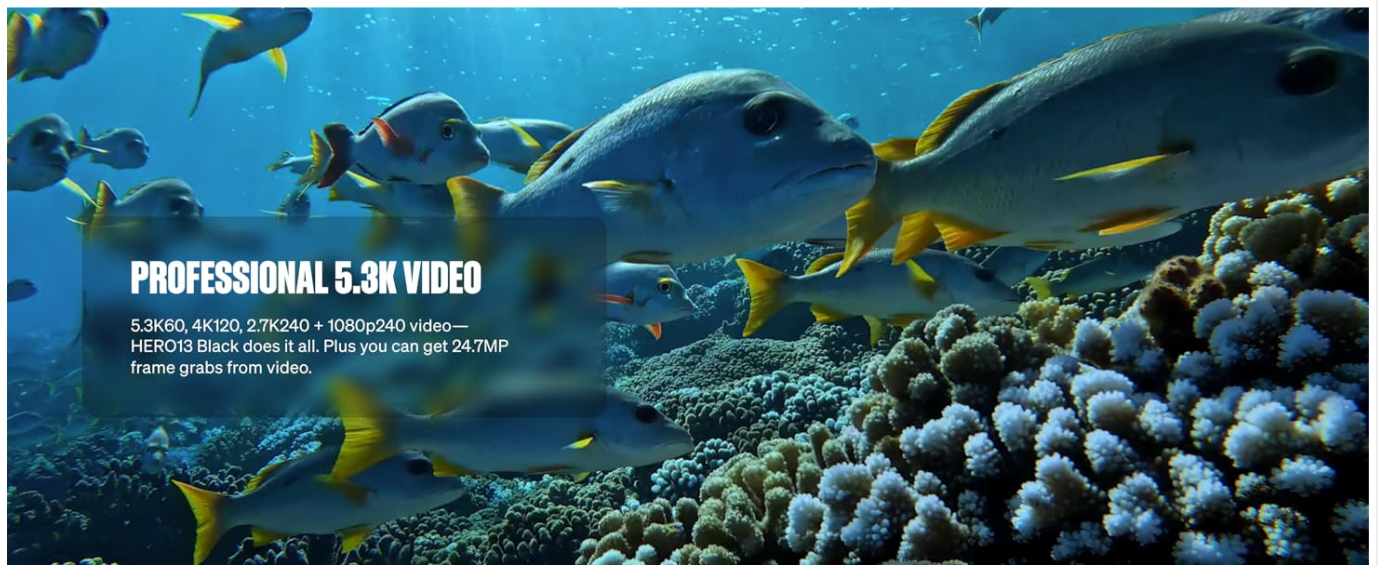
4. OPERATING THE CAMERA

4.1 Basic Controls

- **Mode Button:** Powers the camera on/off and cycles through capture modes (Video, Photo, TimeWarp, etc.).
- **Shutter Button:** Starts/stops recording video, takes photos, or initiates TimeWarp.
- **Touch Screen:** Navigate menus, change settings, and preview footage.

4.2 Video Recording

The HERO13 Black supports up to 5.3K60 video resolution. To record, select Video mode and press the Shutter button. Press again to stop. Adjust resolution, frame rate, and field of view (FOV) settings via the touchscreen menus.



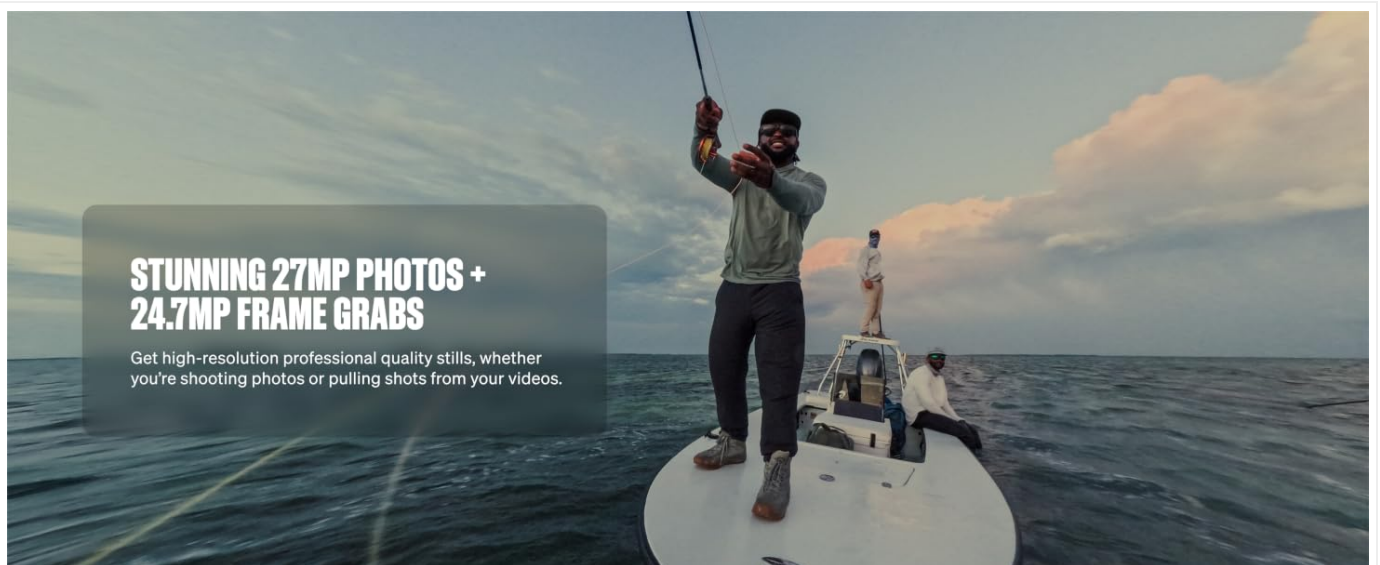
PROFESSIONAL 5.3K VIDEO

5.3K60, 4K120, 2.7K240 + 1080p240 video—HERO13 Black does it all. Plus you can get 24.7MP frame grabs from video.

Figure 4.1: The camera capturing high-resolution 5.3K video, demonstrating its capability in diverse environments.

4.3 Photo Capture

Capture stunning 27MP photos with your HERO13 Black. Select Photo mode and press the Shutter button. Various photo modes like Burst, Night Photo, and LiveBurst are available through the settings.



STUNNING 27MP PHOTOS + 24.7MP FRAME GRABS

Get high-resolution professional quality stills, whether you're shooting photos or pulling shots from your videos.

Figure 4.2: Illustrates the camera's ability to capture high-resolution 27MP still images, even from video footage.

4.4 HyperSmooth 6.0 Video Stabilization

Experience award-winning video stabilization with HyperSmooth 6.0. This feature is automatically enabled in most video modes, providing incredibly smooth footage even in the most challenging conditions.

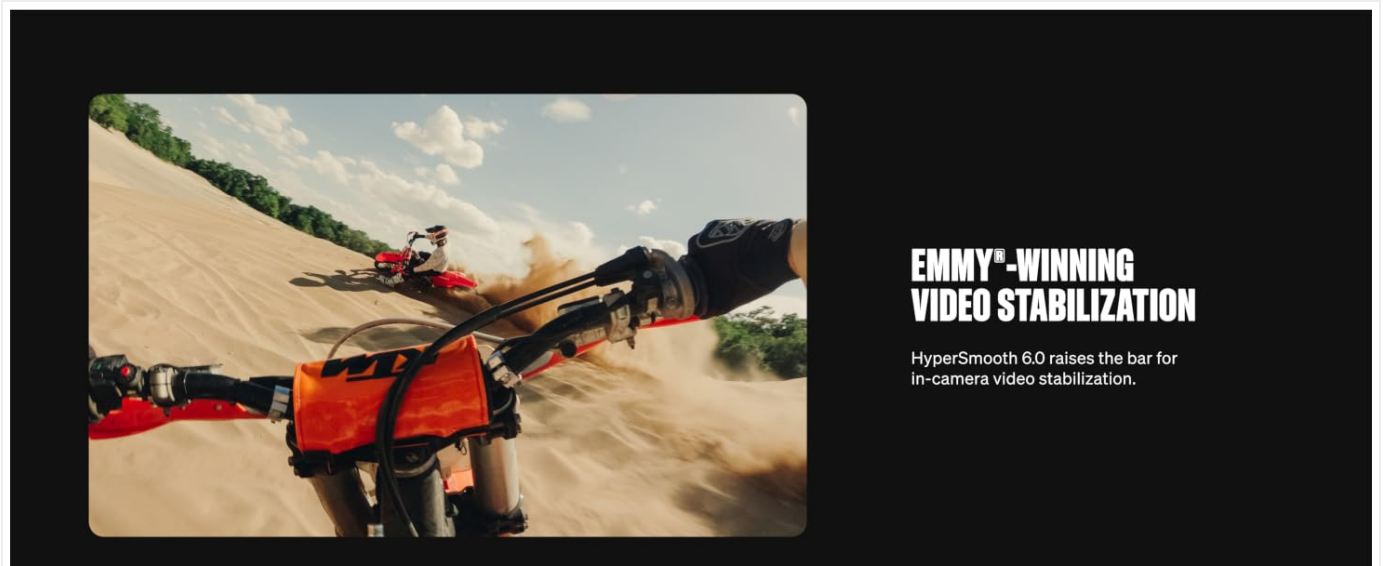


Figure 4.3: Dynamic action shot demonstrating the effectiveness of HyperSmooth 6.0 video stabilization.

4.5 10-bit Color and Pro-Level Imaging

The HERO13 Black supports 10-bit color, offering enhanced color depth and smoother gradations for more realistic footage. Pro creators can utilize GP-Log encoding with LUT for advanced post-production.

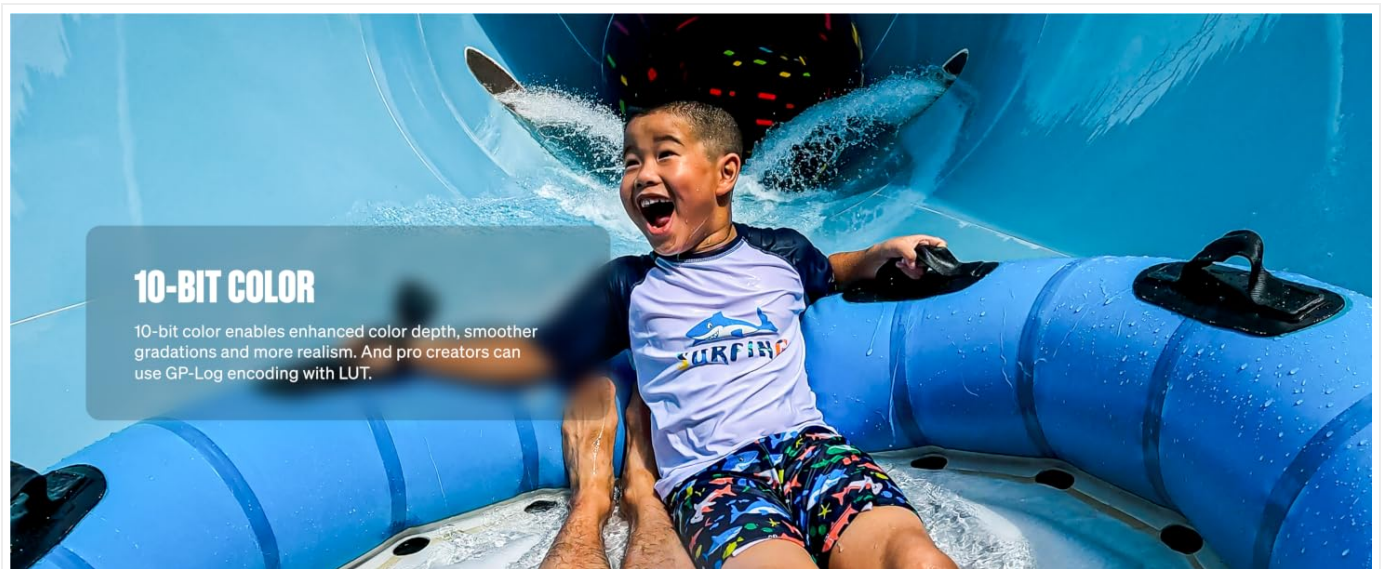


Figure 4.4: Image illustrating the vibrant and detailed output possible with 10-bit color recording.

4.6 GPS Data and Timecode Sync

Capture overlay telemetry data like speed and altitude with built-in GPS. For multi-camera setups, wirelessly synchronize multiple HERO13 Black cameras via timecode for seamless editing in professional software.

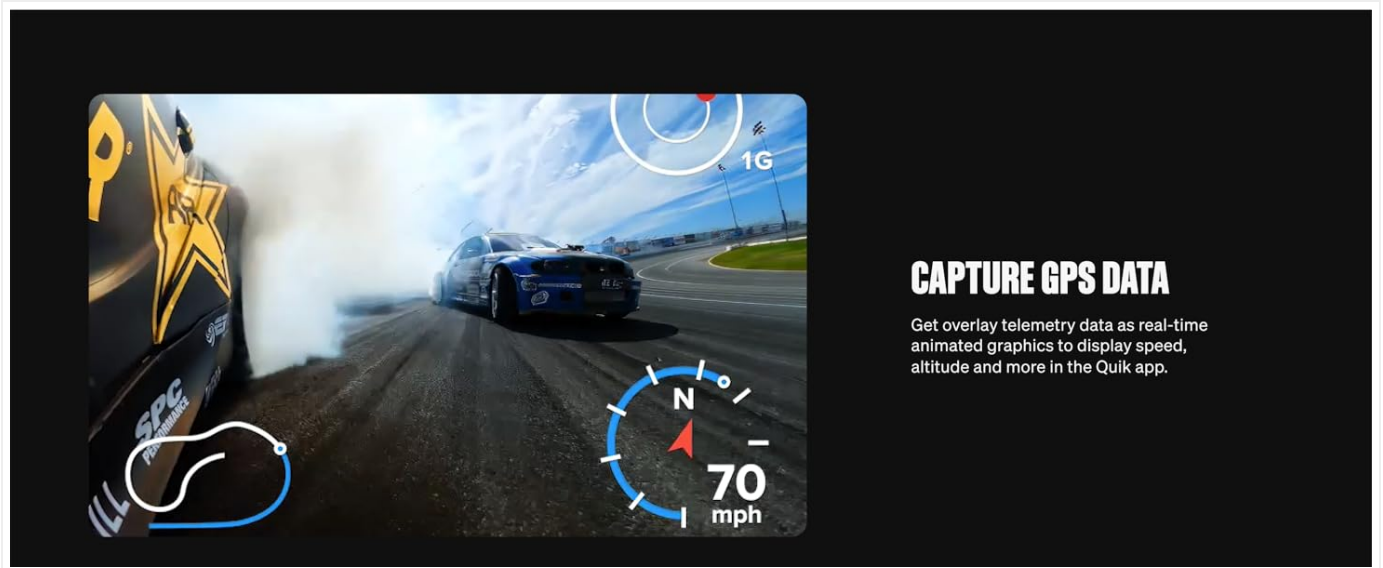


Figure 4.5: Example of GPS data overlays on video footage, showing speed and other metrics.

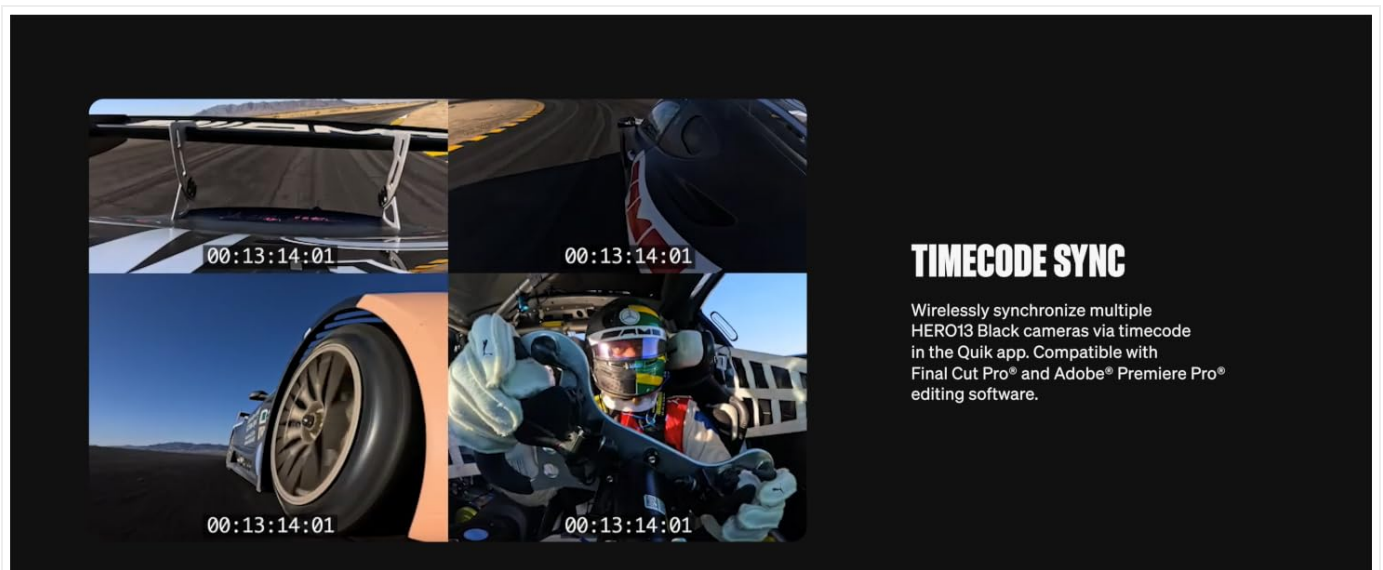
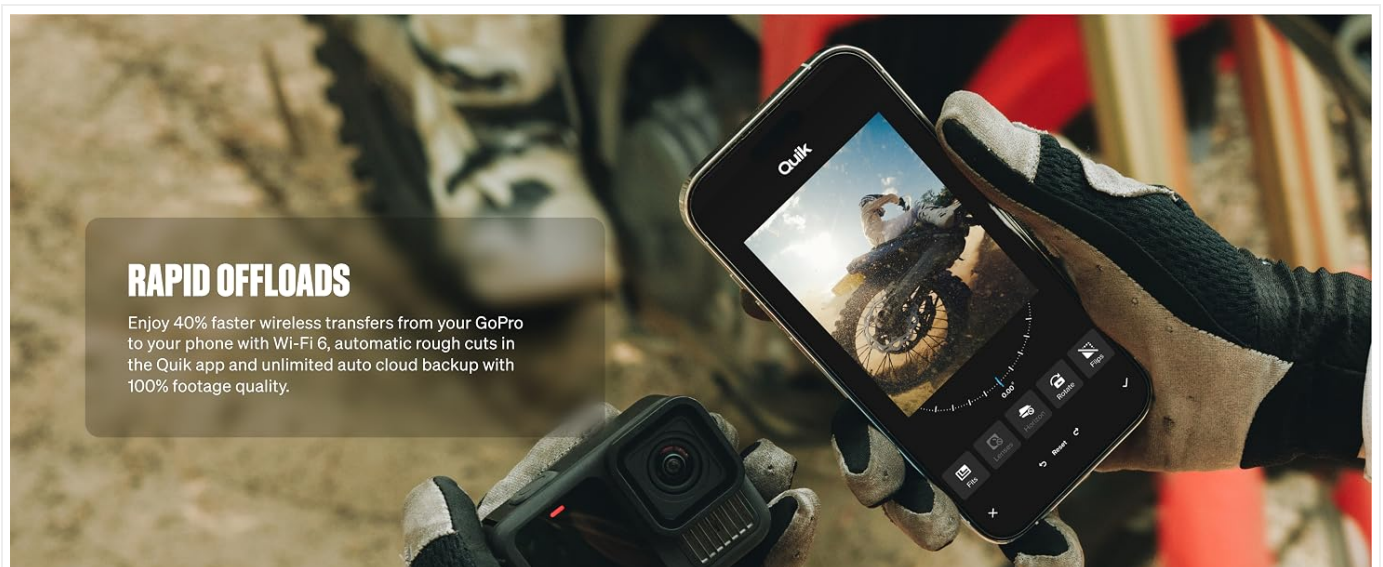


Figure 4.6: Multiple camera angles with synchronized timecode for professional video production.

4.7 Quik App Integration

The GoPro Quik app enhances your workflow with rapid wireless transfers (40% faster with Wi-Fi 6), automatic rough cuts, and unlimited cloud backup for your footage at 100% quality (with GoPro subscription).



5. ADVANCED FEATURES: HB-SERIES LENSES

The HERO13 Black is compatible with new HB-Series Lenses (sold separately) that expand your creative possibilities:

- **Macro Lens Mod:** Allows for 4x closer focus than the HERO13 Black alone, with variable focus distance.
- **Ultra Wide Lens Mod:** Provides an immersive POV for action sports and epic landscape shots.
- **ND Filter 4-Pack:** Enables easy motion blur and exposure control for various lighting conditions.
- **Anamorphic Lens Mod:** Delivers widescreen aspect ratios and cinematic lens flares for professional filmmaking.



Figure 5.1: An array of HB-Series Lenses designed for the HERO13 Black, showcasing their auto-detect feature.

6. MAINTENANCE

6.1 Battery Care

The new 1900mAh Enduro battery provides extended recording times. To maximize battery life, avoid extreme temperatures and store the battery at approximately 50% charge when not in use for prolonged periods. The Enduro battery for HERO13 Black features a re-engineered connector and is not compatible with older GoPro models.

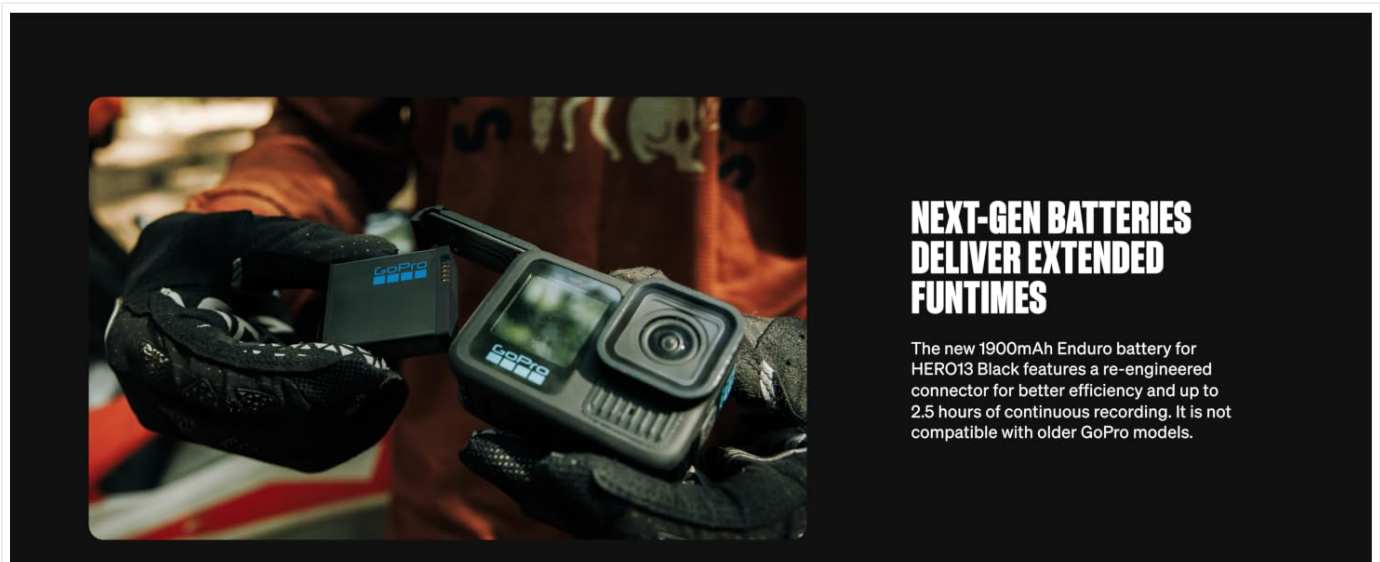


Figure 6.1: The HERO13 Black camera alongside its powerful 1900mAh Enduro battery, highlighting its extended performance.

6.2 Cleaning and Waterproofing

The HERO13 Black is rugged and waterproof to 33ft (10m) without additional housing. After use in water, rinse the camera with fresh water and dry thoroughly. Ensure the side door is fully closed and sealed before exposing the camera to water. The water-repelling lens cover helps keep your shots crystal clear.



Figure 6.2: The GoPro HERO13 Black camera submerged underwater, demonstrating its waterproof capabilities.

7. TROUBLESHOOTING

7.1 Camera Not Responding

If the camera becomes unresponsive, press and hold the Mode button for 10 seconds to force a power off. Then, press the Mode button again to restart. Ensure the battery is charged.

7.2 Overheating

GoPro cameras are designed to operate in various conditions. In warm environments or during extended high-resolution recording, the camera may become warm. If it overheats, it will display a warning and shut down. Allow the camera to cool down before resuming use. Using a recommended microSD card can help prevent overheating.

7.3 Poor Video/Photo Quality

- Ensure the lens is clean and free of smudges or debris.
- Check that you are using a high-speed, recommended microSD card.
- Verify that the resolution and frame rate settings are appropriate for your lighting conditions.

7.4 Connectivity Issues (Wi-Fi/Bluetooth)

If you experience issues connecting to the Quik app or other devices, try the following:

- Restart both the camera and your mobile device.
- Ensure Wi-Fi and Bluetooth are enabled on both devices.
- Forget the camera from your device's Bluetooth settings and re-pair.

8. SPECIFICATIONS

Feature	Detail
Model Number	CHDHX-131-TH
Product Dimensions	9 x 4.5 x 3 inches
Item Weight	5.5 ounces
Batteries	1 Lithium Ion batteries required (included)
Photo Sensor Technology	CMOS
Video Capture Resolution	5.3K
Maximum Focal Length	34
Maximum Aperture	2 f
Flash Memory Type	Micro SD
Video Capture Format	MP4
Connectivity Technology	USB
Screen Size	2.27 inches
Country of Origin	Thailand

9. WARRANTY AND SUPPORT

9.1 Product Warranty

Your GoPro HERO13 Black comes with a standard manufacturer's warranty. Please refer to the warranty card included in your product packaging or visit the official GoPro website for detailed terms and conditions regarding coverage and duration.

9.2 Customer Support

For technical assistance, troubleshooting, or general inquiries, please visit the official GoPro Support page at gopro.com/help. You can find FAQs, software updates, and contact information for direct support.

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