GoPro HERO13 Black

GoPro HERO13 Black + HB-Series Lens Collection User Manual

Model: HERO13 Black (CHDRB-132-TH)

INTRODUCTION

This manual provides comprehensive instructions for the GoPro HERO13 Black camera and the HB-Series Lens Collection. It covers setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your equipment. Please read this manual thoroughly before using your GoPro HERO13 Black and its accompanying lenses.

WHAT'S INCLUDED

The GoPro HERO13 Black + HB-Series Lens Collection includes the following components:

- HERO13 Black Camera
- Ultra Wide Lens Mod
- Macro Lens Mod
- Anamorphic Lens Mod
- ND Filter 4-Pack (ND4, ND8, ND16, ND32)
- Premium Case
- Front and Rear Protective Caps for each Lens Mod
- Protective Cap for ND Filters
- Enduro Battery
- Curved Adhesive Mount
- Mounting Buckle + Thumb Screw
- Microfiber Lens Cloth
- USB-C Cable

Image: A detailed view of all items included in the GoPro HERO13 Black + HB-Series Lens Collection, neatly arranged.

Image: The GoPro HERO13 Black camera and its accessories securely stored within the included premium carrying case.

SETUP

1. Camera Overview

Familiarize yourself with the main components of your HERO13 Black camera.

Image: Front view of the GoPro HERO13 Black camera, showing the main lens and front display.

Image: Side view of the GoPro HERO13 Black camera, highlighting the power/mode button and '13 Black' branding.

2. Battery Installation

1. Locate the battery door on the side of the camera.
2. Slide the latch to open the battery door.
3. Insert the Enduro Battery with the GoPro logo facing up.
4. Close the battery door and ensure the latch is securely fastened.

The 1900mAh Enduro battery is designed for extended recording times and improved performance in cold conditions. Ensure it is fully charged before first use using the provided USB-C cable.
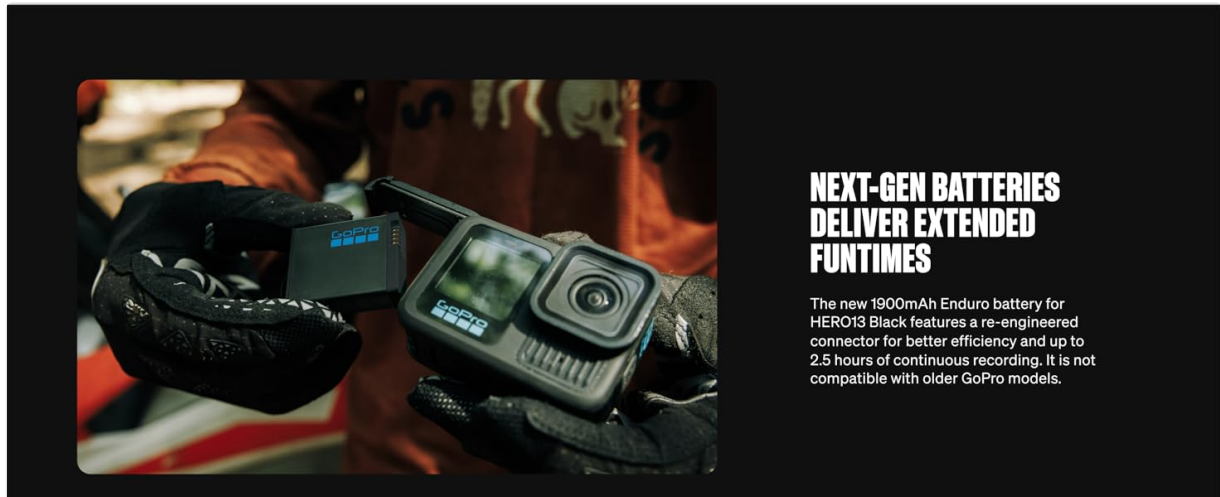

NEXT-GEN BATTERIES DELIVER EXTENDED FUNTIMES

The new 1900mAh Enduro battery for HERO13 Black features a re-engineered connector for better efficiency and up to 2.5 hours of continuous recording. It is not compatible with older GoPro models.

Image: A hand holding the GoPro HERO13 Black camera alongside its Enduro battery, illustrating the battery's design.

3. Lens Mod Installation

The HB-Series Lens Collection allows you to swap lenses to achieve different visual effects. The HERO13 Black features automatic lens detection, adjusting settings based on the attached mod.

HERO 13 BLACK

Image: An exploded diagram showing the GoPro HERO13 Black camera and its interchangeable lens mods and ND filters, illustrating how they attach.

1. To remove the standard lens cover, gently twist and pull it off the camera.
2. Select the desired HB-Series Lens Mod (Ultra Wide, Macro, or Anamorphic) or ND Filter.
3. Align the mod with the camera's lens mount and twist clockwise until it clicks into place.
4. The camera will automatically detect the attached lens and adjust its settings.

Always ensure the lens mod is securely attached to maintain the camera's waterproof seal. Use the provided protective caps when lenses are not in use.

Image: The GoPro HERO13 Black camera surrounded by its HB-Series lenses, emphasizing the automatic detection capability.

OPERATING INSTRUCTIONS

1. Power On/Off and Recording

- **Power On:** Press the Mode button (side of camera) briefly.
- **Power Off:** Press and hold the Mode button for 3 seconds.
- **Start/Stop Recording:** Press the Shutter button (top of camera) once to start, once to stop.

2. Using Lens Mods

Each HB-Series Lens Mod offers unique capabilities:

- **Ultra Wide Lens Mod:** Provides a 177° field of view for immersive action shots and expansive landscapes. Ideal for POV footage.

Image: The Ultra Wide Lens Mod, designed for capturing expansive scenes.

Image: A dirt biker captured with the Ultra Wide Lens Mod, demonstrating its immersive perspective.

- **Macro Lens Mod:** Allows focusing on objects up to 4x closer than the standard lens. Features a rotating focus ring for precise adjustment from 4.33 inches (11cm) to 2.46 feet (0.75m).

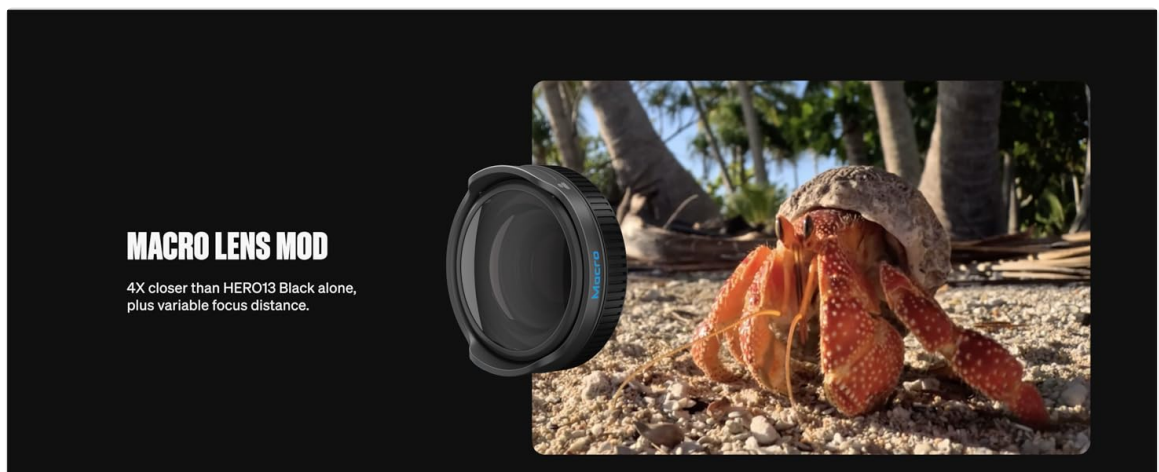Image: The Macro Lens Mod, designed for close-up photography.

Image: A hermit crab on a sandy beach, demonstrating the close-up capabilities of the Macro Lens Mod.

- **Anamorphic Lens Mod:** Captures cinematic 21:9 aspect ratio footage with reduced distortion, producing a film-like aesthetic.

Image: The Anamorphic Lens Mod, designed for cinematic widescreen video.
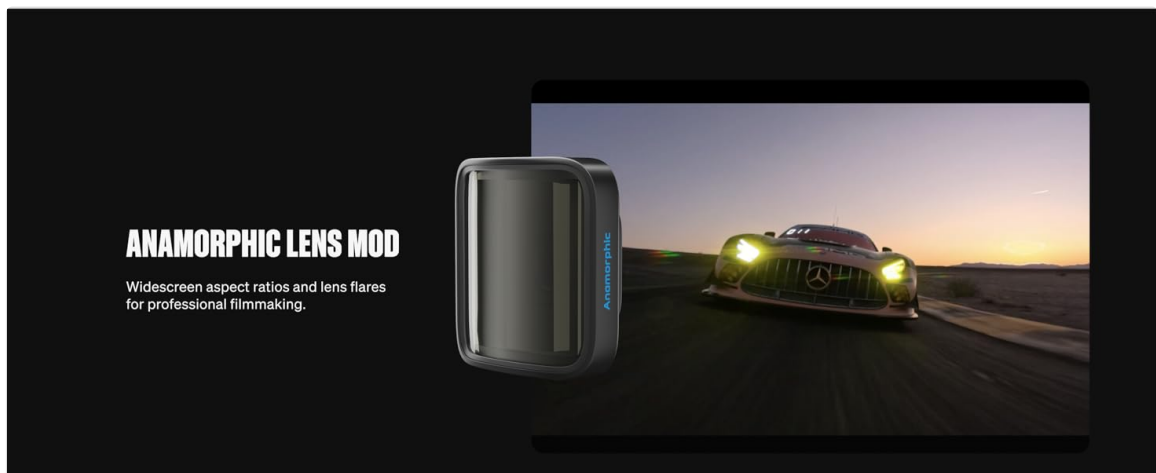
Image: A race car on a track, showcasing the widescreen aspect ratio and lens flares characteristic of the Anamorphic Lens Mod.

- **ND Filter 4-Pack (ND4, ND8, ND16, ND32):** Reduces the amount of light entering the camera, allowing for slower shutter speeds in bright conditions to achieve motion blur effects.

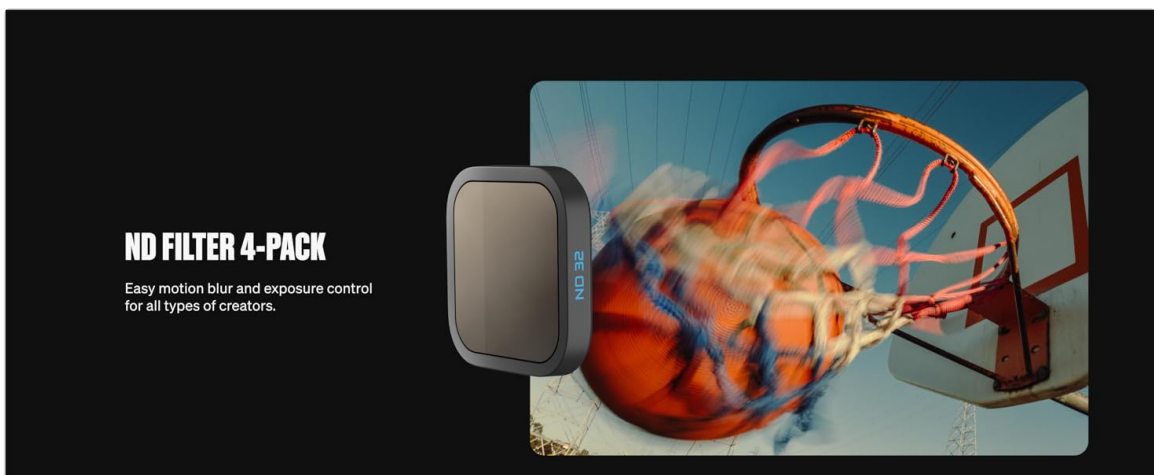Image: The GoPro HERO13 Black camera with various ND filters attached, demonstrating their application.

Image: A basketball in motion, illustrating the motion blur effect achievable with ND filters.

3. Video and Photo Modes

- **5.3K Video:** Records video at 5.3K resolution, offering superior image quality and detail. Supports various frame rates including 5.3K60, 4K120, 2.7K240, and 1080p240.
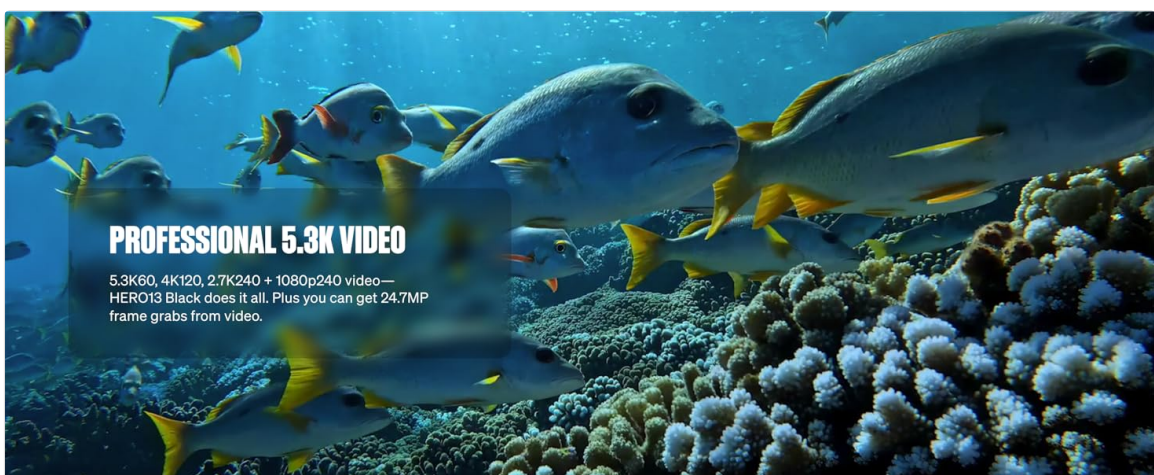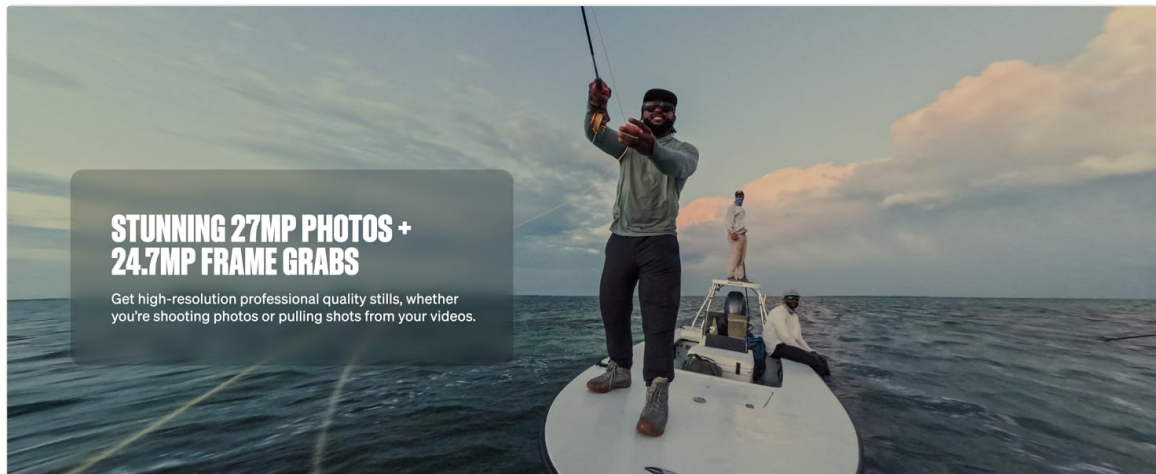
- **27MP Photos:** Captures high-resolution still images. You can also extract 24.7MP frame grabs directly from your 5.3K video footage using the GoPro Quik app.

Image: A man fishing from a boat on the ocean, illustrating the quality of 27MP photos and 24.7MP frame grabs.

- **Slow Motion:** Achieve dramatic slow-motion effects with up to 400 frames per second (fps) at 720p for 15 seconds, or 360 fps at 900p for 15 seconds, or 120 fps at 5.3K for 5 seconds.

Image: A snowboarder performing a trick, demonstrating the high-frame-rate slow-motion capabilities.

- **10-bit Color:** Enables enhanced color depth and smoother gradations for more realistic video. Pro creators can utilize GP-Log encoding with LUTs for advanced color grading.
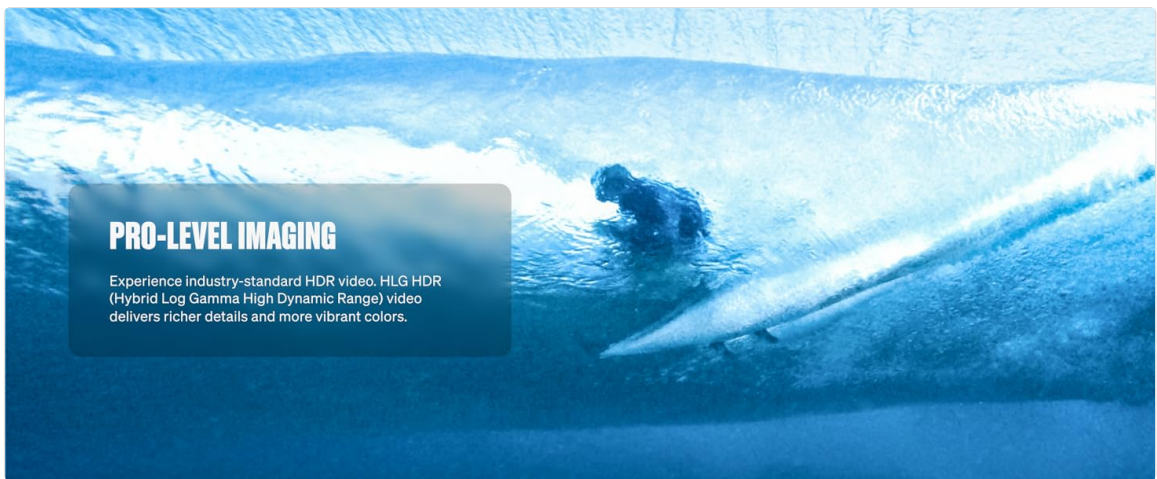

Image: A child enjoying a waterslide, illustrating the vibrant and smooth color transitions provided by 10-bit color recording.

- **Pro-Level Imaging (HDR):** Experience industry-standard HDR video, including HLG HDR (Hybrid Log Gamma High Dynamic Range), for richer details and more vibrant colors.
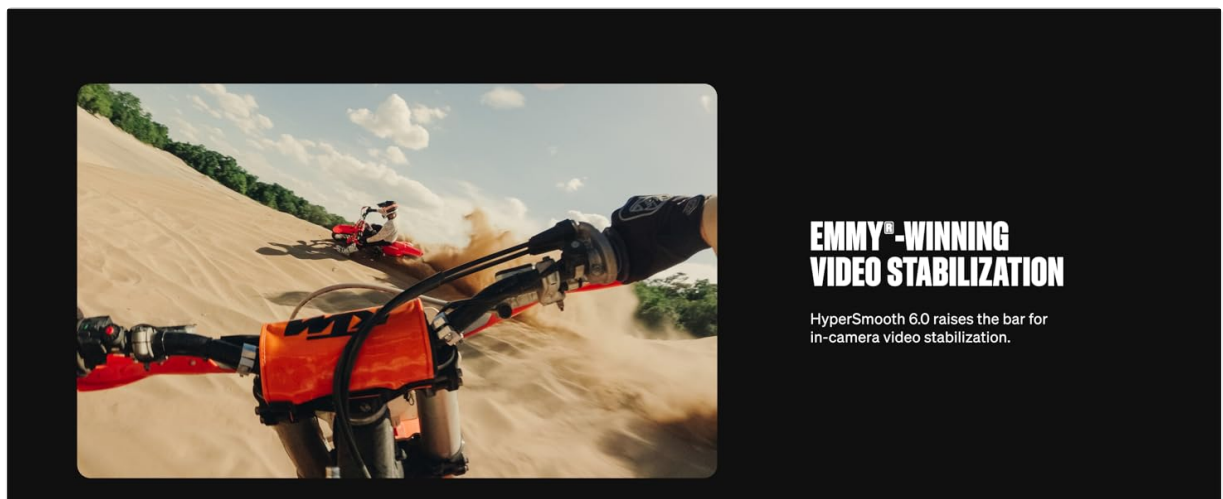
Image: A surfer under a breaking wave, showcasing the enhanced detail and color of Pro-Level HDR imaging.

4. Video Stabilization

The HERO13 Black features Emmy®-winning HyperSmooth 6.0 video stabilization, providing exceptionally smooth footage even in challenging conditions.
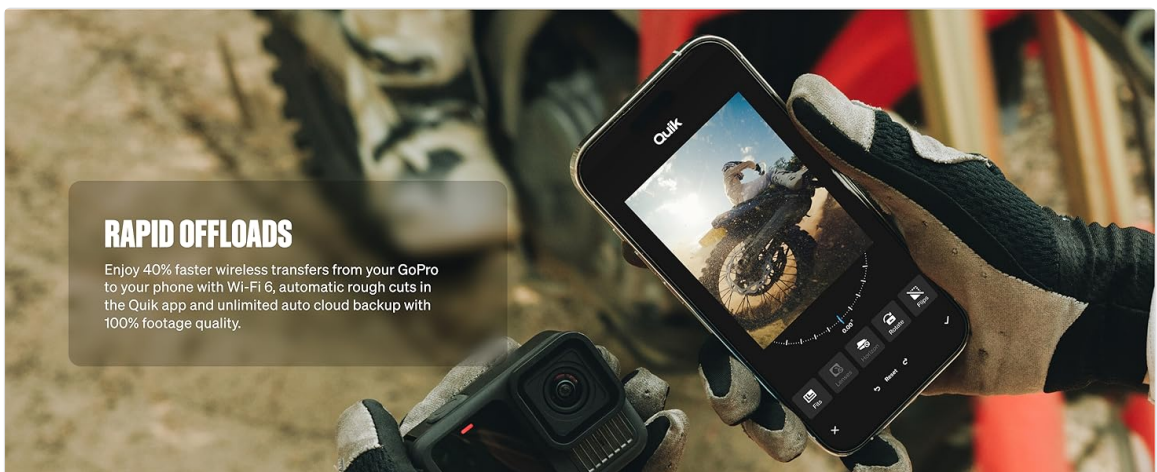

Image: A first-person view from a dirt bike, illustrating the effectiveness of HyperSmooth 6.0 video stabilization.

5. Connectivity and Workflow

- **Rapid Offloads:** Enjoy up to 40% faster wireless transfers from your GoPro to your phone using Wi-Fi 6 via the Quik app.

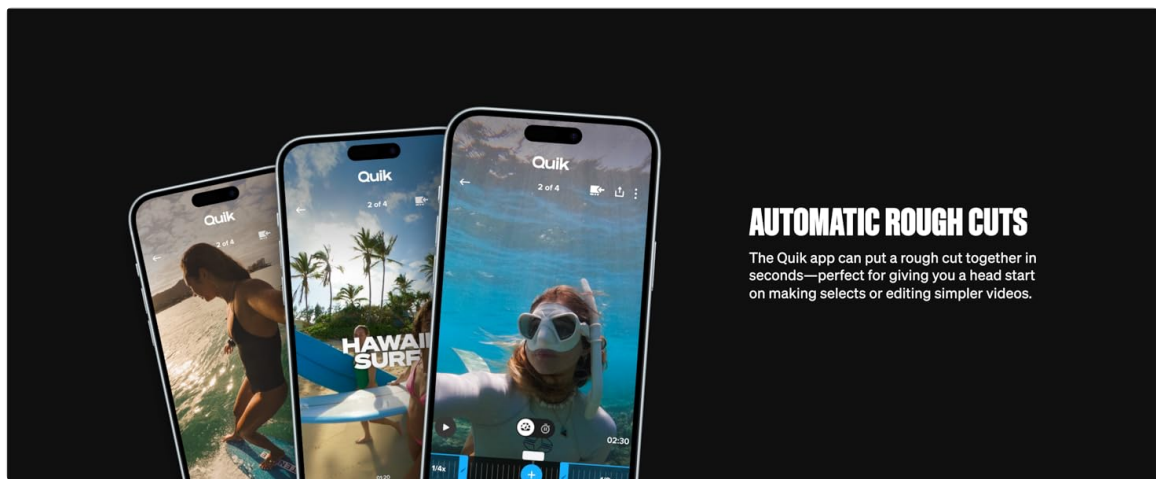Image: The GoPro HERO13 Black camera next to a smartphone displaying the Quik app, demonstrating rapid wireless media transfer.

- **Automatic Rough Cuts:** The Quik app can generate rough cuts of your footage in seconds, providing a quick starting point for editing.

AUTOMATIC ROUGH CUTS

The Quik app can put a rough cut together in seconds—perfect for giving you a head start on making selects or editing simpler videos.

Image: Several smartphones showing different automatic rough cuts generated by the Quik app, simplifying video editing.

- **Unlimited Cloud Backup:** With a GoPro subscription, your photos and videos are automatically backed up to the cloud in 100% quality, accessible from any device.
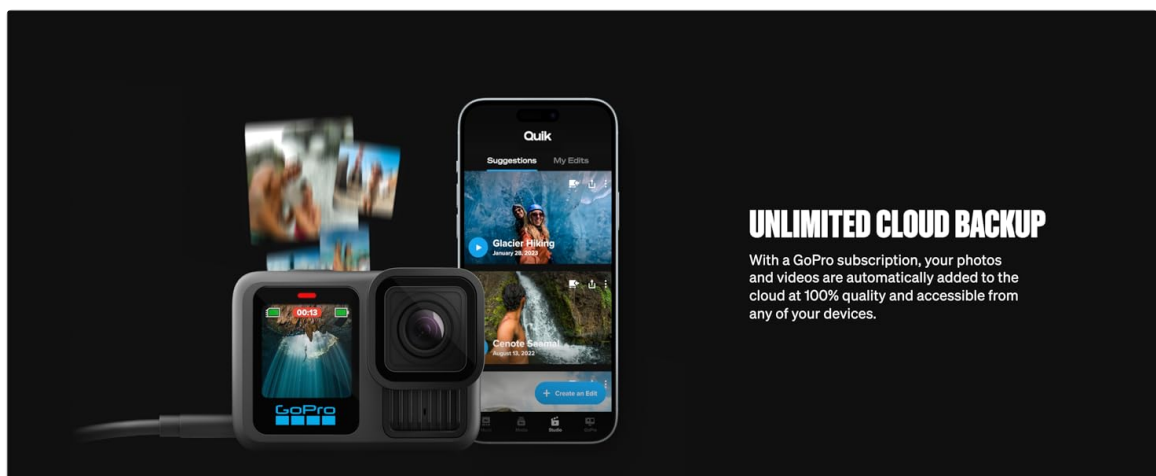

UNLIMITED CLOUD BACKUP

With a GoPro subscription, your photos and videos are automatically added to the cloud at 100% quality and accessible from any of your devices.

Image: The GoPro HERO13 Black camera connected to a smartphone, illustrating the unlimited cloud backup feature for photos and videos.

- **Capture GPS Data:** Record GPS telemetry data to display real-time animated graphics such as speed and altitude in the Quik app.
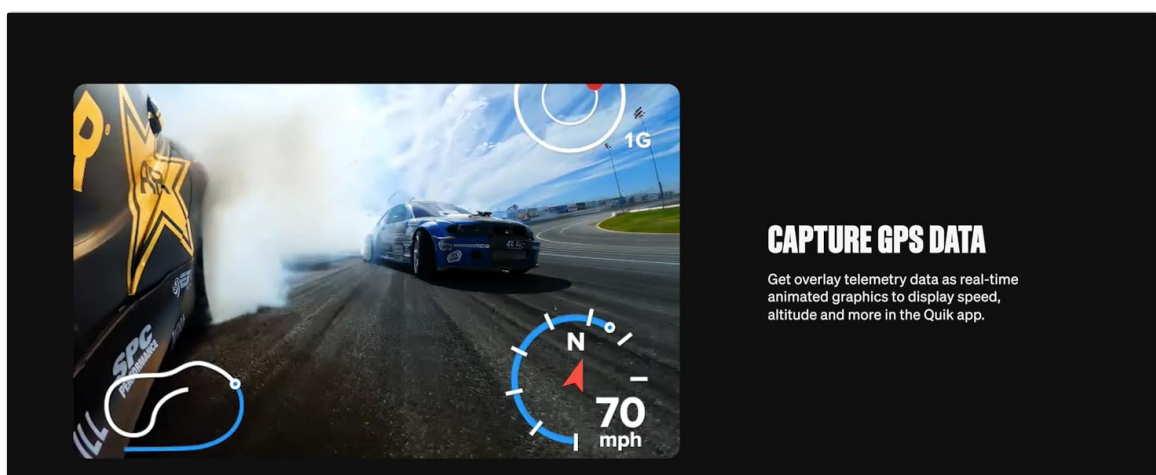
CAPTURE GPS DATA

Get overlay telemetry data as real-time animated graphics to display speed, altitude and more in the Quik app.

Image: Race car footage with an overlay of GPS data, including speed and a track map, demonstrating the data capture feature.

- **Timecode Sync:** Wirelessly synchronize multiple HERO13 Black cameras using timecode in the Quik app, compatible with professional editing software like Final Cut Pro® and Adobe Premiere Pro®.
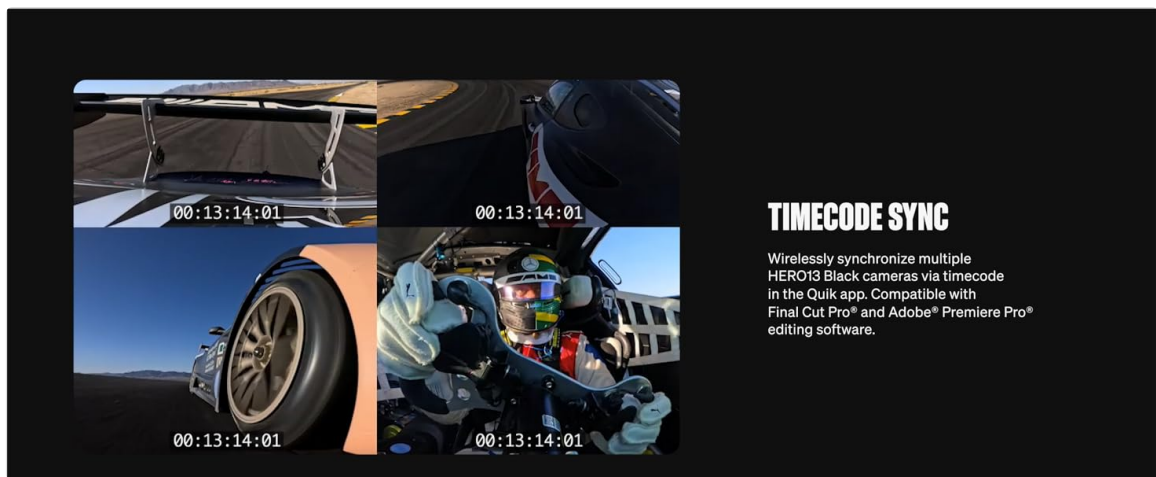
Image: A multi-panel display of video clips, each showing synchronized timecode, illustrating the Timecode Sync feature for professional workflows.

6. Waterproofing

The HERO13 Black is rugged and waterproof to 33 feet (10 meters) without additional housing. The water-repelling lens cover helps reduce flare and keeps your shots clear underwater.

Image: A diver exploring an underwater environment, highlighting the rugged and waterproof design of the HERO13 Black.

MAINTENANCE

- **Cleaning:** Use the provided microfiber cloth to gently clean lenses and screens. For stubborn dirt, use a lens cleaning solution specifically designed for optics. Avoid abrasive materials.
- **Battery Care:** Store batteries in a cool, dry place. Avoid fully discharging or overcharging for extended periods.
- **Lens Care:** Always use the protective caps when lens mods are not in use. When swapping lenses, do so in a clean, dry environment to prevent dust or moisture from entering the camera or adhering to the lens elements.
- **Water Exposure:** After use in saltwater, rinse the camera thoroughly with fresh water and allow it to dry completely before opening any doors or compartments.

TROUBLESHOOTING

- **Camera Not Powering On:** Ensure the battery is fully charged and correctly inserted. Try a different battery if available.

- **Recording Issues:** Check if the microSD card is properly inserted and has sufficient free space. Ensure the card is compatible with HERO13 Black (refer to GoPro's website for recommended cards).
- **Lens Mod Not Detected:** Ensure the lens mod is securely twisted into place. Remove and reattach it. Clean the contact points on both the camera and the lens mod if necessary.
- **Poor Image Quality:** Check if lenses are clean and free from smudges or dust. Ensure appropriate ND filters are used for bright conditions. Verify camera settings (resolution, frame rate) are suitable for your environment.
- **Overheating:** High-resolution and high-frame-rate recording, especially in warm environments, can cause the camera to heat up. If the camera displays an overheating warning, stop recording and allow it to cool down.

SPECIFICATIONS

Product Dimensions	2.83 x 2 x 2 inches
Item Weight	1.9 pounds
Item Model Number	CHDRB-132-TH
Brand	GoPro
Focal Length Description	8 millimeters (standard)
Lens Type	Ultra Wide, Macro, Anamorphic (HB-Series)
Compatible Mountings	GoPro
Camera Lens Description	The GoPro HERO13 Black Lens Collection includes three specialized lenses: an Ultra Wide Lens Mod with a 177° field of view, a Macro Lens Mod for close-up photography up to 4x closer, and an Anamorphic Lens Mod for cinematic 21:9 aspect ratio shots. The collection offers a focal length range of 8mm to 34mm and features Digital Image Stabilization.
Waterproof Depth	Up to 33 feet (10 meters)
Video Resolution	Up to 5.3K60, 4K120, 2.7K240, 1080p240
Photo Resolution	27MP (still photos), 24.7MP (frame grabs from video)
Stabilization	HyperSmooth 6.0
Battery Capacity	1900mAh Enduro Battery

WARRANTY AND SUPPORT

For warranty information, product registration, and technical support, please visit the official GoPro website. You can find detailed FAQs, software updates, and contact information for customer service there.
GoPro Official Website: gopro.com/support