

Specifications

Weight

- **Camera:** 74g (2.6oz)
- **Camera with housing:** 136g (4.8oz)

Video Modes

Video Resolution	Frames per second (fps) NTSC/PAL	Field of View (FOV)	Screen Resolution
1080p	60, 50, 30, 25	Ultra Wide, Medium, Narrow	1920 x 1080
960p	60, 50, 30, 25	Ultra Wide	1280 x 960
720p	120, 100, 60, 50, 30, 25	Ultra Wide, Medium, Narrow	1280 x 720
WVGA	120, 100, 60, 50	Ultra Wide	

Video Format

- .mp4 file format

Advanced Video Capture Settings

- **Spot Meter:** Spot Meter is ideal for filming within a dark space with the camera pointed towards a brighter setting (such as filming the outdoors from within a car).
- **Looping Video:** Record a continuous video loop that overwrites itself until you press the shutter button to stop it. It's ideal for saving space on your memory card while waiting to catch a moment of action.
- **One Button:** Upon powering on, the camera automatically begins recording video or capturing Time Lapse photos.

Photo Modes

Still Photo

Resolution	Field of View (FOV)	Screen Resolution
10MP	Wide	3680 x 2760
7MP	Wide	3072 x 2304
5MP	Medium	1280 x 720

Burst Photo

- 10 photos/1 second
- 5 photos/1 second
- 3 photos/1 second

Time Lapse

0.5, 1, 2, 5, 10, 30, 60 second intervals

Photo Modes Overview

- **Photo:** Capture a single photo.
- **Burst Photo:** Capture up to 10 photos per second - perfect for fast-action photography.
- **Time Lapse:** Automatically capture a series of photos at timed intervals. Time Lapse mode is ideal for capturing photos when the camera is out of reach.

Image Quality + Optics

- Ultra sharp 6-element aspherical glass lens
- Fixed f/2.8 aperture
- Ultra wide-angle field of view

Battery + Charging

- Rechargeable lithium-ion battery
- Rated at 1180mAh, 3.7V, 4366mWh

Battery Life

The chart below indicates the approximate continuous recording time (hr:min) you can expect when shooting in various video modes using a fully charged battery.

	Wi-Fi Off	Wi-Fi On + Using Wi-Fi Remote	Wi-Fi On + Using GoPro App	Wi-Fi Off + Using LCD Touch BacPac
Video Mode	Estimated Time	Estimated Time	Estimated Time	Estimated Time
1080p 60 fps	2:15	2:00	1:30	1:30
1080p 30 fps	3:00	2:40	1:50	1:50
960p 60 fps	2:30	2:15	1:35	1:35
720p 120 fps	2:20	2:05	1:30	1:30
720p 60 fps	2:45	2:25	1:40	

Audio

- Internal Microphone:
 - Mono
 - Analog ECM
 - Dynamic Range: 40-132 dB SPL
 - SNR: 54 dB
- Format: AAC compression, advanced AGC with multi-band compressor
- External Stereo Microphone:
 - ADC Dynamic Range: 92 dB
 - Frequency Response: 20-16,000 Hz
 - Bias Voltage: 4.5V
 - Input Impedance: 2200 ohms

Ports

Mini USB

- Charging
- Connecting to a computer for playback/file transfer/charging
- Supports 3.5mm stereo microphone via optional adapter (sold separately)
- Supports playback to composite TV via optional cable (sold separately)

Micro HDMI

- Supports playback to HDTV via optional cable (sold separately)

microSD

- Memory card

Storage

- microSD memory card with a Class 10 or UHS-1 rating required. Recommended microSD cards >Link to support article
- Up to 64GB capacity supported
- Record times vary with resolutions and frame rates

Photo + Video Playback

- **HDTV:** Micro HDMI to HDMI cable required. (sold separately)
- **TV:** Mini USB to composite cable required. (sold separately)
- **LCD Touch BacPac™ (sold separately):** Attach to your camera for preview and play back of videos and photos.
- **GoPro App:** Use your phone or tablet to preview and play back videos and photos.
- **Computer:** Connect via mini USB to USB cable (included), or copy files from the microSD card to your computer.
- **Minimum system requirements** for best playback on Mac® and Windows® computers
 - Mac OS® X 10.8 and later / Microsoft Windows 7, 8.x
 - 2nd generation Intel® Core™-based processor or AMD equivalent (Intel Quad Core™ i7 recommended)
 - 4GB for Mac / 2GB RAM (4GB or greater recommended) for Windows
 - Windows: Graphics card that supports OpenGL1.2 or later
 - 5400 RPM internal hard drive (7200 RPM drive or SSD recommended)