



Features

- Subtitled video playback for your GoPro® camera¹
- Altitude and Acceleration G-force subtitles with sensor pack
- GPS-based Speed, Distance, and Heading subtitles with mobile app
- Compatible with GoPro Hero4 (Black & Silver), Hero3+(Black & Silver), or Hero3 (Black)
- Fits in GoPro cases with a deeper accessory backdoor²



Description

The Alti-Force Sensor Pack plugs into the back of your GoPro camera for recording altitude/elevation and acceleration G-forces synchronized with your video. Speed, distance, heading, and ground tracks also available over Wi-Fi to Hero4 with [Alti-Force GPS](#) mobile app. A subtitle file is automatically created and used by most TVs and media players to display your chosen data as on-screen subtitles during video playback. No post-processing required, record and play! The subtitle track can be enabled/disabled in your player's settings. The original video file is unmodified to maintain quality.



Subtitle Display

Line 1: Altitude (ft and/or m) Temperature (F or C) Total Force (G)
Line 2: Force on each axis X: (G) Y: (G) Z: (G)
Line 3: G-bar (vertical bar scale of total force)
Font, color, and exact positioning depends on player settings.
Alti-Force subtitle settings are chosen prior to recording video.

Tech Specs

Mechanical

size (SP22): 2.36 x 1.38 x 0.40 in (60 x 35 x 10 mm)
size (SP30): 2.32 x 1.61 x 1.40 in (59 x 41 x 10 mm)
Weight: ~1 oz (28 g)

Electrical

Voltage: 3.6v (powered from camera)
Current: <2mA typical

Sensors

Accelerometer: tri-axial, ± 16 G, 0.1 resolution
Barometer: absolute pressure, 300-1100 mbar, 0.1 mbar resolution
Altitude: approx. -2000 to 30,000 feet, 1 foot resolution
Pressure conversion to Altitude assumes standard conditions

RoHS compliant

Sampling Rates

Hero3/3+: approx. 4-6 samples per second
Hero4: up to 25 samples per second
Subtitles: approx. 6 updates per second, maximum once per sample

Compatibility

Hero3 Black – firmware v03.00
Hero3+ Silver – firmware v03.02
Hero3+ Black – firmware v02.00 | v03.00* | v03.03*
*version requires playback via memory card reader
Hero4 Silver – firmware v03.00.00
Hero4 Black – firmware v03.00.00
Playback on most TVs and some media players, such as VLC media player, that support .SRT subtitle files

¹ Requires a camera software update. All efforts will be made to maintain compatibility with new software versions released by GoPro in the future but cannot be guaranteed

² Altitude feature requires an open air vent. We recommend using our modified [vented backdoor](#) or a [skeleton backdoor](#).