

FUSION

USER MANUAL

JOIN THE GOPRO MOVEMENT



facebook.com/GoPro



youtube.com/GoPro



twitter.com/GoPro



instagram.com/GoPro

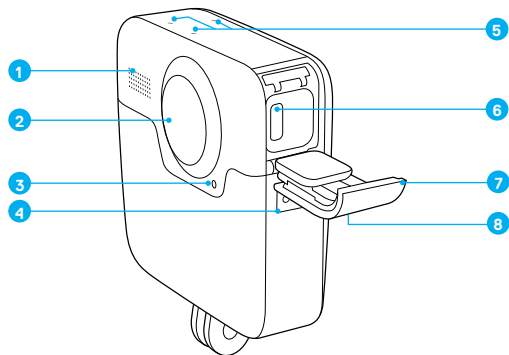
TABLE OF CONTENTS

Your Fusion	6
Getting Started	8
Navigating Your GoPro	16
Map of Modes and Settings	18
Tips for Capturing with Fusion	20
QuikCapture	21
Capturing Video and Photos	23
Controlling Your GoPro with Your Voice	25
Playing Back Your Content	29
Connecting to Other Devices	30
Offloading Your Content	32
Video Mode: Capture Modes	33
Video Mode: Settings	34
Photo Mode: Capture Modes	39
Photo Mode: Settings	40
Time Lapse Mode: Capture Modes	42
Time Lapse Mode: Settings	44
Protune	47
Customizing Your GoPro	51

TABLE OF CONTENTS

Important Messages	54
Resetting Your GoPro	55
Mounting	57
Removing the Side Door	61
Maintenance	63
Battery Information	64
Troubleshooting	67
Customer Support	69
Trademarks	69
Regulatory Information	69

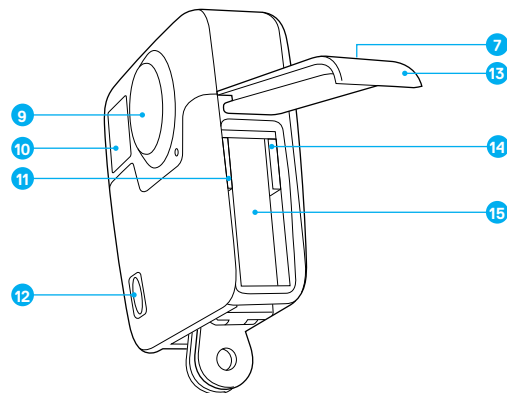
YOUR FUSION



- 1. Speaker
- 2. Camera Lens (Back)
- 3. Status Light
- 4. Mode Button []

- 5. Microphone
- 6. USB-C Port
- 7. Side Door
- 8. Latch Release Button

YOUR FUSION



- 9. Camera Lens (Front)
- 10. Slot for microSD Card 1
- 11. Status Screen
- 12. Shutter Button []

- 13. Battery Door
- 14. Slot for microSD Card 2
- 15. Battery

GETTING STARTED

Welcome to your new Fusion! Let's get started.

MICROSD CARDS

Fusion requires two microSD cards (sold separately). Use brand name memory cards that meet these requirements:

- microSD, microSDHC, or microSDXC
- Class 10 or UHS-I rating
- Capacity up to 64GB

For a list of the recommended microSD cards, visit gopro.com/workswithgopro.

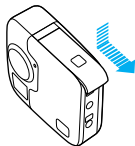
Always think of the two cards as partners. When you replace one, replace the other.

If your cards become full during recording, your camera stops recording and displays **FULL** on the status screen. For cards with different capacities, this message appears when the smaller card becomes full.

NOTICE: Use care when handling memory cards. Avoid liquids, dust and debris. As a precaution, power off the camera before inserting or removing the cards. Check manufacturer guidelines regarding use in acceptable temperature ranges.

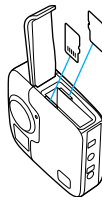
Inserting the microSD Cards

1. Hold down the Latch Release button on the battery door, then slide the door open.



GETTING STARTED

2. Insert two microSD cards with the labels facing the battery, then close the door.



Note: To remove a card, press it into the slot with your fingernail and it will pop out.

Reformatting Your microSD Cards

To keep your microSD cards in good condition, reformat them on a regular basis. Reformatting erases all of your content, so be sure to offload your photos and videos first.

1. Press the **Mode** button [] repeatedly until you get to Settings [], then press the **Shutter** button [] to select it.
2. Press the **Shutter** button [] repeatedly until you get to Preferences [].
3. Press the **Mode** button [] repeatedly until you get to Format, then press the **Shutter** button [] to select it.
4. Press the **Mode** button [] to highlight which card(s) you want to reformat, then press the **Shutter** button [] to select it.
5. Press the **Mode** button [] to highlight Yes, then press the **Shutter** button [] to select it.

GETTING STARTED



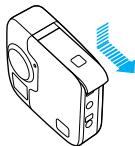
WARNING: Use caution when using your GoPro as part of your active lifestyle. Always be aware of your surroundings to avoid injury to yourself and others.

Abide by all local laws when using your GoPro and related mounts and accessories, including all privacy laws, which may restrict recording in certain areas.

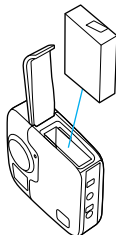
CHARGING THE BATTERY

For the best experience with your new camera, we recommend fully charging the battery before first use.

1. Hold down the Latch Release button on the battery door, then slide the door open.

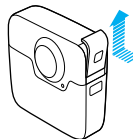


2. Insert the battery, then close the door.



GETTING STARTED

3. Hold down the Latch Release button on the side door, then slide the door open.



4. Connect the camera to a computer or other USB charging adapter using the included USB-C cable.
5. Power off the camera. The camera status light on the front of the camera turns on during charging and turns off when charging is complete.

When charging with a computer, be sure that the computer is connected to a power source. If the camera status light does not turn on, use a different USB port.

The battery charges to 100% in about 2 hours. For more information, see [Battery Information](#) (page 64).

PRO TIP: For fastest charging, use GoPro's Supercharger (sold separately). You can also charge your camera with a USB-compatible wall charger or auto charger.

GETTING STARTED

UPDATING YOUR CAMERA SOFTWARE

To get the latest features and best performance from your GoPro, make sure your camera is always using the most current software. When you connect to the GoPro app, you are automatically notified if an update is available.

Updating with the GoPro App

1. Download the app from the Apple® App Store® or Google Play.™
2. Be sure that the camera contains both microSD cards.
3. Follow the on-screen instructions in the app to connect your camera.

If an update is available, the app provides instructions for installing it.

Updating Manually (with an SD Card Reader/Adapter)

1. Visit gopro.com/update.
2. Select your camera, then click the option to update the camera manually.
3. Be sure that the camera contains both microSD cards.
4. Follow the on-screen instructions.

LOCATING YOUR SOFTWARE VERSION

1. Press the **Mode** button [] repeatedly until you get to Settings [], then press the **Shutter** button [] to select it.
2. Press the **Shutter** button [] repeatedly until you get to Preferences [].
3. Press the **Mode** button [] to highlight About, then press the **Shutter** button [] to select it. The software version appears on the first screen.
4. Press the the **Shutter** button [] to select Done.
5. Press the **Mode** button [] repeatedly until you get to Done, then press the **Shutter** button [] to select it.

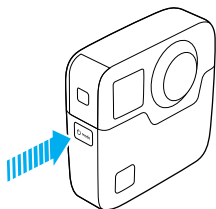
GETTING STARTED

LOCATING YOUR CAMERA'S USERNAME AND PASSWORD

Your camera's username and password are needed when you connect your camera to other devices. To display this information at any time, complete the steps below.

1. Press the **Mode** button [] repeatedly until you get to Settings [], then press the **Shutter** button [] to select it.
2. Press the **Shutter** button [] repeatedly until you get to Connections [].
3. Press the **Mode** button [] to highlight Cam Info, then press the **Shutter** button [] to display the username and password.
4. Press the **Mode** button [] repeatedly until you get to Done, then press the **Shutter** button [] to select it.

GETTING STARTED



POWERING ON + OFF

To Power On:

Press the **Mode** button []. The camera beeps several times while the camera status lights flash. When information appears on the status screen, your camera is on.

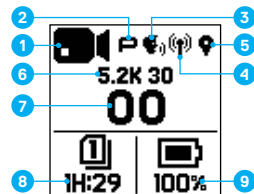
To Power Off:

Press and hold the **Mode** button [] for two seconds. The camera beeps several times while the camera status lights flash.

GETTING STARTED

STATUS SCREEN

The status screen contains the following information about modes and settings so you can see the basics for your current setting at a glance:



1. Camera Mode
2. Protune™ Status*
3. Voice Control Status*
4. Wireless Status*
5. GPS Status*
6. Settings
7. Number of Files Captured or Video Duration
8. Remaining microSD Card Storage (based on the card with the lower remaining storage)
9. Battery Status

Note: The icons and settings that appear on the status screen vary by mode. Those shown above are for Video mode.

**Icon appears if this setting is turned on*

NAVIGATING YOUR GOPRO

CHANGING CAPTURE MODES AND SETTINGS

Your Fusion contains four camera modes: Video, Photo, Time Lapse, and Settings.

Video []

Video contains two capture modes: Video and Looping. For descriptions, see [Video Mode: Capture Modes](#) (page 33).

Photo []

Photo mode contains three capture modes: Photo, Burst, and Night. For descriptions, see [Photo Mode: Capture Modes](#) (page 39).

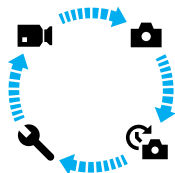
Time Lapse []

Time Lapse mode contains three capture modes: Time Lapse Video, Time Lapse Photo, Night Lapse Photo. For descriptions, see [Time Lapse Mode: Capture Modes](#) (page 42).

Settings []

Settings contains all of the settings for each camera mode. For details, see [Video Mode: Settings](#) (page 34), [Photo Mode: Settings](#) (page 40), and [Time Lapse Mode: Settings](#) (page 44).

1. To change modes, press the **Mode** button [] repeatedly until you get to the mode that you want.



NAVIGATING YOUR GOPRO

2. If needed, select a new capture mode and settings:

- a. Press the **Mode** button [] repeatedly until you get to Settings [], then press the **Shutter** button [] to select it.
- b. Press the **Shutter** button [] repeatedly until you get to the camera mode that you want.
- c. Press the **Mode** button [], then press the **Shutter** button [] repeatedly until you get to the capture mode that you want.



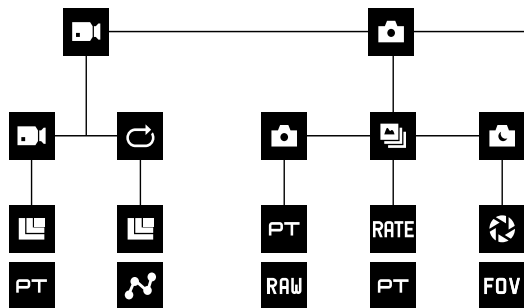
- d. Press the **Mode** button [] until you get to the setting that you want to change.



- e. Press the **Shutter** button [] repeatedly until you get to the option that you want.
- f. Press the **Mode** button [] repeatedly until you get to Done, then press the **Shutter** button [] to select it.

PRO TIP: To exit Settings and *begin recording immediately*, press and hold the **Shutter** button [].

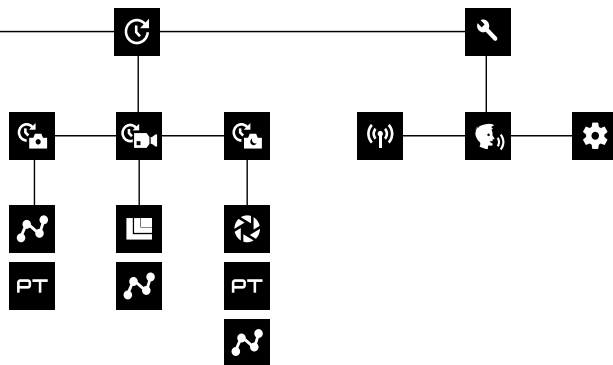
MAP OF MODES AND SETTINGS



	Burst
	Connections
	FOV
	FPS
	Interval

	Looping
	Night Photo
	Night Lapse Photo
	Photo Mode / Photo
	Preferences
	Protune

MAP OF MODES AND SETTINGS



	RATE	Rate
	RAW	RAW Format
	Resolution	Resolution
	Settings	Settings
	Shutter	Shutter
	Time Lapse Mode	Time Lapse Mode

	Time Lapse Photo
	Time Lapse Video
	Video Mode / Video
	Voice Control

TIPS FOR CAPTURING WITH FUSION

If you are new to capturing spherical content, below are some tips to help you get the best results from Fusion.

- Fusion captures everything around you, regardless of where the camera is pointed. However, for best results, aim directly at the main subject.
- OverCapture lets you capture content in all directions from a single point. So, you do not need as many cameras to ensure that you get the shot. And you can select the content that is important to you **after** you capture.
- Keep post-production in mind when you are capturing with Fusion. For example, remember to hide yourself and your supporting mounts and equipment somewhere that is easily blended during post-production.
- For more control during post-production, capture with these Protune settings:
 - Protune: On
 - Color: Flat
 - White Balance: Native
 - Sharpness: Low



WARNING: The dual lenses of Fusion are unprotected and are susceptible to scratches, if not cared for properly. Always store Fusion with the provided lens protection and avoid resting the lens on any surface. Scratches to the lens are not covered by the warranty.

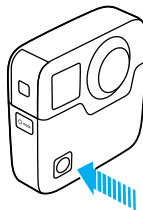
QUIKCAPTURE

QuikCapture is the fastest way to capture video or time lapse photos with Fusion. Because the camera is powered on only when it is capturing, you also conserve battery power.

To capture other types of content, see [Capturing Video and Photos](#) (page 23).

CAPTURING VIDEO WITH QUIKCAPTURE

1. With the camera powered off, press the **Shutter** button [].



Your camera powers on, beeps several times, and automatically begins capturing video in the current Video capture mode (Video or Looping). The camera status lights blink while the camera is recording. The default video resolution is 5.2K30.

2. To stop recording, press the **Shutter** button [] again.

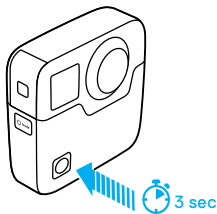
The camera stops recording, beeps several times, and automatically powers off.

QUIKCAPTURE

CAPTURING TIME LAPSE WITH QUIKCAPTURE

The Time Lapse mode is perfect for showing how a scene changes over time. With Time Lapse Photo or Night Lapse Photo, you can capture a series of photos to be sure you get the shot you want.

1. With the camera powered off, press and hold the **Shutter** button [] until capture begins.



Your camera powers on, beeps several times, and automatically begins capturing in the current Time Lapse capture mode (Time Lapse Video, Time Lapse Photo, or Night Lapse Photo). The camera status lights blink once for each photo captured.

2. To stop capturing, press the **Shutter** button [] again.

The camera stops recording, beeps several times, and automatically powers off to maximize battery life.

TURNING QUIKCAPTURE OFF

QuikCapture is on by default. To turn it off, connect Fusion to the GoPro app and turn off QuikCapture in the settings list. For details, see [Connecting to Other Devices](#) (page 30).

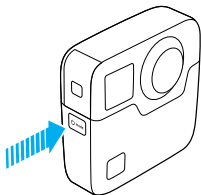
CAPTURING VIDEO AND PHOTOS

CAPTURING VIDEO AND PHOTOS

You can also use a more traditional method to capture video and photos—including time lapse video and photos—in which you leave the camera powered on and capture, as needed. However, unlike QuikCapture, the camera remains on when you are not capturing, so you must manually power it off to save battery life.

1. Select a mode and settings. For details, see [Changing Modes and Settings](#) (page 16).
2. Press the **Shutter** button []. The camera beeps and the camera status lights flash while the camera is capturing.
3. To stop capturing video or time lapse, press the **Shutter** button []. The camera beeps and the camera status lights flash quickly.

CAPTURING VIDEO AND PHOTOS



ADDING HIGHLIGHT TAGS

You can mark specific moments in your video during recording or playback with HiLight Tags. HiLight Tags make it easy to find the best highlights to share.

To add a HiLight Tag, press the **Mode** button [] or tap [] in the GoPro app.

CONTROLLING YOUR GOPRO WITH YOUR VOICE

You can control Fusion with your voice using a set of specific commands (see list below).

Note: Voice Control performance may be impacted by distance, wind, and noisy conditions. Keep the product clean and clear of debris.

USING VOICE CONTROL

Voice Control works best when you and your GoPro are in close proximity.

1. Press the **Mode** button [] repeatedly until you get to Settings [], then press the **Shutter** button [] to select it.
2. Press the **Shutter** button [] repeatedly until you get to Voice Control [].
3. Press the **Mode** button [], then press the **Shutter** button [] to turn on Voice Control.
4. Press the **Mode** button [] repeatedly until you get to Done, then press the **Shutter** button [] to select it.
5. Say a command from [List of Voice Commands](#) (page 26).

PRO TIP: To extend the voice control of your camera in windy and noisy environments, use Remo (Waterproof Voice Activated Remote). For details, visit gopro.com.

LIST OF VOICE COMMANDS

Two types of commands are available with Voice Control:

- Action commands let you immediately capture video or photos. For example, if you just stopped recording video, you can say the command to take a photo or begin capturing time lapse—without having to first change the mode.
- Mode commands are useful if you want to select a mode and then use the **Shutter** button [] to capture.

CONTROLLING YOUR GOPRO WITH YOUR VOICE

Your camera does not need to be in a specific mode to capture video or photos. You can use the action commands from any mode. Your camera captures video or photos based on the settings you previously selected.

Action Command	Description
GoPro start recording	Starts capturing video
GoPro HiLight	Adds a HiLight Tag to video during recording
That was sick	Adds a HiLight Tag to video during recording
GoPro stop recording	Stops capturing video
GoPro take a photo	Captures a single photo
GoPro shoot burst	Captures burst photos
GoPro start time lapse	Starts capturing time lapse
GoPro stop time lapse	Stops capturing time lapse
GoPro turn off	Powers off the camera

CONTROLLING YOUR GOPRO WITH YOUR VOICE

Mode Command	Description
GoPro Video mode	Changes the camera mode to Video (does <i>not</i> capture video)
GoPro Photo mode	Changes the camera mode to Photo mode (does not capture photos)
GoPro Burst mode	Changes the camera mode to Burst mode (does not capture burst photos)
GoPro Time Lapse mode	Changes the camera mode to Time Lapse (does not capture time lapse photos)

For the most updated list of commands, visit gopro.com/help.

PRO TIP: If you are recording video or time lapse, you must stop recording before issuing a new command.

CHANGING YOUR VOICE CONTROL LANGUAGE

1. Press the **Mode** button [] repeatedly until you get to Settings [], then press the **Shutter** button [] to select it.
2. Press the **Shutter** button [] repeatedly until you get to Voice Control [].
3. Press the **Mode** button [] repeatedly until you get to Voice Control Language [], then press the **Shutter** button [] to select a new language.
4. Press the **Mode** button [] to highlight Done, then press the **Shutter** button [] to select it.

CONTROLLING YOUR GOPRO WITH YOUR VOICE

TURNING OFF VOICE CONTROL

1. Press the **Mode** button [] repeatedly until you get to Settings [], then press the Shutter button [] to select it.
2. Press the **Shutter** button [] repeatedly until you get to Voice Control [].
3. Press the **Mode** button [], then press the **Shutter** button [] to turn off Voice Control.
4. Press the **Mode** button [] repeatedly until you get to Done, then press the **Shutter** button [] to select it.

PLAYING BACK YOUR CONTENT

You can play back your content on a computer or mobile device.

VIEWING VIDEOS AND PHOTOS ON A COMPUTER

To play back your video and photos on a computer, you must first transfer these files to a computer. For details, see [Offloading Your Content](#) (page 32).

*You can also insert the microSD card directly into a computer.**

VIEWING VIDEOS AND PHOTOS ON A MOBILE DEVICE

1. Connect your camera to GoPro app. For details, see [Connecting to Other Devices](#) (page 30).
2. Use the controls on the app to play back your footage on your smartphone/tablet. You can move the device itself or navigate with the touch screen to explore the full 360° image.

PRO TIP: While playing back your video with the GoPro app, you can mark the best moments by tapping [] to add a HiLight Tag.

CONNECTING TO OTHER DEVICES

CONNECTING TO THE GOPRO APP

The GoPro app lets you control your camera remotely using a smartphone or tablet. Features include full camera control, live preview, playback and sharing of content, and camera software updates.

Connecting to the GoPro App for the First Time

1. Download the GoPro app to your mobile device from the Apple® App Store® or Google Play™.
2. Follow the app's on-screen instructions to connect your camera.

Connecting to the GoPro App after the First Time

After connecting to the GoPro app for the first time, you can connect in the future through the Connections menu [] on the camera.

1. Turn on your camera's wireless:
 - a. Press the **Mode** button [] repeatedly until you get to Settings [], then press the **Shutter** button [] to select it.
 - b. Press the **Shutter** button [] repeatedly until you get to Connections [].
 - c. Press the **Mode** button [] to highlight Turn On, then press the **Shutter** button [] to select it.
 - d. Press the **Mode** button [] to highlight Yes, then press the **Shutter** button [] to turn on wireless.
 - e. Press the **Mode** button [] repeatedly until you get to Done, then press the **Shutter** button [] to select it.
2. In the GoPro app, follow the on-screen instructions to connect your camera.

CONNECTING TO OTHER DEVICES

CONNECTING TO THE SMART REMOTE OR REMO

For details about connecting Fusion to the Smart Remote or Remo (Waterproof Voice Activated Remote), see the user manual for the device at gopro.com/help.

CONNECTING TO BLUETOOTH DEVICES

You can connect your GoPro to Bluetooth devices that track statistics about your activity. That data is then automatically added to your video to create a more engaging record of your activity.

1. Connect your camera to the GoPro app. For details, see [Connecting to the GoPro App](#) (page 30).
2. In the app, open the camera's settings, then tap Bluetooth Devices.
3. Follow the on-screen instructions.

OFFLOADING YOUR CONTENT

Fusion Studio is free GoPro software that lets you import, stitch, trim, and share your spherical content. Although Fusion video is captured with a Spherical FOV, the Overcapture feature lets you extract a high-quality 1080p video that is optimized for flat screens.

OFFLOADING YOUR CONTENT TO A COMPUTER

To play back your video and photos on a computer, you must first transfer these files to a computer. Transferring also frees up space on your microSD cards for new content.

1. Download and install Fusion Studio from gopro.com/apps.
2. Connect the camera to your computer using the included USB-C cable.
3. Power on the camera and follow the on-screen instructions in the software to view and stitch your content.

OFFLOADING YOUR CONTENT USING A CARD READER

You must use a card reader to offload RAW photos or RAW audio files.

1. Download and install Fusion Studio from gopro.com/apps.
2. For each microSD card, complete these steps:
 - a. Insert a microSD card into a card reader, then connect the card reader to the computer.
 - b. Use your computer's file explorer to manually transfer the files from the card to your computer.
3. Open Fusion Studio and follow the on-screen instructions to view and stitch your content.

VIDEO MODE: CAPTURE MODES

Video mode contains two capture modes: Video (default) and Looping. Each capture mode has its own settings. For details about how to change settings, see [Changing Modes and Settings](#) (page 16).

VIDEO

This capture mode is for video capture. The default resolution is 5.2K30. For more information, see these topics:



[Fusion Video Resolutions](#) (page 36)



[Interval \(Video\)](#) (page 38)



[Protune](#) (page 47)

LOOPING VIDEO

Use Looping to continuously record video, but save only the moments that you want. For example, if you select a 5-minute interval, only the previous 5 minutes are saved when you press the **Shutter** button [] to stop recording. If you record for 5 minutes and do not press the **Shutter** button [] to stop recording and save, the camera records a new 5-minute interval by recording over your previous 5 minutes of footage.

This capture mode is useful when you are recording events that contain long periods of inactivity that you don't want to save, such as fishing or recording from a car dashboard.

The default settings for Looping are 5.2K30 resolution, with the interval set at 5 minutes. For more information, see these topics:



[Fusion Video Resolutions](#) (page 36)



[Interval \(Video\)](#) (page 38)

VIDEO MODE: SETTINGS

VIDEO RESOLUTION

Video resolution (RES) refers to the number of horizontal lines in the video. For example, 3K means that the video has 3008 horizontal lines, each with a width of 1504 pixels. Higher numbers of lines and pixels result in greater detail and clarity. So, a video with resolution of 5.6K is considered higher quality than 3K because it consists of NNNN lines, each with a width of NNNN pixels.



VIDEO MODE: SETTINGS

Use this table to help you determine the best resolution for your activity. Video playback occurs at a resolution of 1080p.

Video Resolution	Best Use
5.6K24	Stunning high-resolution content. This frame rate gives you a cinematic look and feel for incredibly compelling content. Provides a full high-definition (HD) 1080p punchout to create OverCapture pieces that give the audience the feel of traditional cinema. Recommended for tripod or fixed-position shots.
5.2K30	Beautiful high-resolution content. This frame rate helps eliminate the effects of rolling shutter than can happen with slower frame rates. Provides a full HD 1080p punchout to create OverCapture pieces with the traditional GoPro 1080p30 look and feel. Results in a large viewing area, so is recommended for most situations.
3K60	High frame rate yields the smoothest, most immersive results for capturing fast-action activities. Provides full 720p60 fixed-frame OverCapture stories. This FPS gives you the most natural playback in head-mounted displays (HMDs) and enables slow motion during editing.

VIDEO MODE: SETTINGS

FRAMES PER SECOND (FPS)

Frames per second (FPS) refers to the number of video frames that are captured in each second.

When selecting a resolution and FPS combination, consider the activity that you want to capture. For more details, see [Video Resolution](#) (page 34).

ASPECT RATIO

Fusion video resolutions are captured with a 16:9 aspect ratio, which is the standard for televisions and editing programs.

FIELD OF VIEW (FOV)

The field of view (FOV) refers to how much of the scene (measured in degrees) can be captured through the camera lens. The FOV for all Fusion video is Spherical, which captures a full 360° view.

FUSION VIDEO RESOLUTIONS

Video Resolution (RES)	FPS (NTSC/PAL) [†]	FOV	Screen Resolution	Aspect Ratio
5.6K	24/24	Spherical	NNNXNNN	16:9
5.2K (default)	30/25	Spherical	5228X2704	16:9
3K	60/50	Spherical	3008X1504	16:9

[†] NTSC and PAL refer to the video format, which depends on the region that you are in. For more information, see [Video Format](#) (page 52).

Jess: Aspect ratios don't align with these numbers in pink -- pls correct

VIDEO MODE: SETTINGS



High Resolutions/High Frame Rates

When capturing video at high resolutions or high frame rates in warm ambient temperatures, the camera may become warm and use more power.

In addition, lack of airflow around the camera and using the camera with the GoPro app further increase camera temperature and power consumption, and decrease camera recording time.

If the camera gets too hot, a message appears on the screen indicating that the camera is shutting down. For details, see [Important Messages](#) (page 54).

When recording in high-performance video modes, capture shorter video clips when in stationary use, and/or limit your use of features that increase power consumption, such as the GoPro app. To control your camera remotely at higher temperatures, use a GoPro remote or Remo (Waterproof Voice Activated Remote) (both sold separately) instead of the GoPro app.

VIDEO MODE: SETTINGS



INTERVAL (VIDEO)

The Interval setting determines the amount of time that passes between each captured frame for Looping video.

Available intervals are 5 (default), 20, 60, and 120 minutes. You can also select Max as the interval. With this option, the camera records until the memory card is full, then overwrites the content.



PROTUNE

Protune is available only for the Video capture mode. For details about Protune settings, see [Protune](#) (page 47).

PHOTO MODE: CAPTURE MODES

Photo mode contains three capture modes: Single (default), Night, and Burst. All photos are captured at 18MP with a Spherical FOV. Each capture mode has its own settings. For details about how to change settings, see [Changing Modes and Settings](#) (page 16).

SINGLE

Single captures a single photo when you press the **Shutter** button.

For more information, see these topics:

RAW [RAW Format](#) (page 41)

PT [Protune](#) (page 47)

NIGHT

Night captures photos in dim to dark light. The shutter remains open longer to let in more light in dark environments, so Night photo is not recommended for handheld shots or mounted shots where the camera might move during exposure.

For more information, see these topics:



[Shutter \(Night Photo\)](#) (page 40)

PT [Protune](#) (page 47)

BURST

Burst captures up to 30 photos in 1 second, so it is perfect for capturing fast-moving activities. For more information, see these topics:

RATE [Rate](#) (page 40)

PT [Protune](#) (page 47)

PHOTO MODE: SETTINGS

RATE RATE

This setting applies only to Burst. Available rates:

- 30 photos in 1, 2, 3, or 6 seconds
- 10 photos in 1, 2, or 3 seconds
- 5 photos in 1 second
- 3 photos in 1 second

The default rate is 30 photos in 1 second.



SHUTTER (NIGHT PHOTO)

Within Photo mode, Shutter applies only to Night Photo. This setting lets you determine the amount of time that the shutter is open. The options for this setting are Auto, and 2, 5, 10, 20, and 30 seconds. The default option is 2 seconds.

Settings	Examples
Auto (up to 2 sec)	Sunrise, sunset, dawn, dusk, twilight, night
2 sec, 5 sec, 10 sec	Dawn, dusk, twilight, traffic at night, Ferris wheel, fireworks, light painting
20 sec	Night sky (with light)
30 sec	Night stars, Milky Way (complete darkness)

PRO TIP: To reduce the amount of blur when using Night photo, mount your camera on the Fusion Grip tripod or other surface that is stable and cannot move.

PHOTO MODE: SETTINGS

RAW RAW FORMAT

When this setting is turned on, all photos are captured with an accompanying .jpg image for immediate viewing on your camera or sharing with the GoPro app. RAW photos are saved as .gpr files, which are based on the Adobe .dng format. These files can be used in Adobe Camera Raw (ACR), version 9.7 or later. You can also use Adobe Photoshop Lightroom CC (2015.7 release or later) and Adobe Photoshop Lightroom 6 (version 6.7 or later).

RAW Format is available only for the Photo capture mode. The options for this setting are Off (default) and On.

PRO TIP: Photos in .gpr format are captured in the same location and with the same file name as .jpg files. To access them, insert your microSD card into a card reader and locate the files with your computer's file explorer.

PT PROTUNE

Within Photo mode, Protune is available for all capture modes (Photo, Night, and Burst). For details about Protune settings, see [Protune](#) (page 47).

TIME LAPSE MODE: CAPTURE MODES

Time Lapse mode contains three capture modes: Time Lapse Video, Time Lapse Photo (default), and Night Lapse Photo. Each capture mode has its own settings. For details about how to change settings, see [Changing Modes and Settings](#) (page 16).

TIME LAPSE VIDEO

Time Lapse Video creates video from frames captured at specific intervals. This option lets you capture a time lapse event and immediately view or share it as a video. Time Lapse Video is available in both resolutions and is captured without audio.

The default resolution for Time Lapse Video is 5.2K30, with the default interval set at 0.5 second. For more information, see these topics:

 [Fusion Video Resolutions](#) (page 36)

 [Interval \(Time Lapse\)](#) (page 44)

TIME LAPSE PHOTO

Time Lapse Photo captures a series of photos at specified intervals. Use this mode to capture photos of any activity, then choose the best ones later.

The default interval for Time Lapse Photo is set at 0.5 second. For more information, see these topics:

 [Interval \(Time Lapse\)](#) (page 44)

PT [Protune](#) (page 47)

TIME LAPSE MODE: CAPTURE MODES

NIGHT LAPSE PHOTO

Night Lapse Photo captures a series of photos at set intervals when there is minimal light. The shutter remains open longer to let in more light in dark environments.

For Night Lapse Photo, the default Interval is Auto and the default Shutter setting is 2 seconds. For more information, see these topics:

 [Shutter \(Time Lapse\)](#) (page 46)

 [Interval \(Time Lapse\)](#) (page 44)

PT [Protune](#) (page 47)

TIME LAPSE MODE: SETTINGS

TIME LAPSE VIDEO RESOLUTION AND FOV

Video resolution (RES) refers to the number of horizontal lines in the video. For example, 3K means that the video has 3008 horizontal lines, each with a width of 1504 pixels. Higher numbers of lines and pixels result in greater detail and clarity. So, a video with resolution of 5.6K is considered higher quality than 3K because it consists of NNNN lines, each with a width of NNNN pixels.

The field of view (FOV) refers to how much of the scene (measured in degrees) can be captured through the camera lens.

Time Lapse Video is available in all resolutions.

FOV FIELD OF VIEW (FOV) FOR TIME LAPSE

The FOV for all time lapse capture modes is Spherical.



INTERVAL (TIME LAPSE)

The Interval setting determines the amount of time that passes between each captured frame.

Time Lapse Photo and Time Lapse Video Intervals

Available intervals for Time Lapse Video are 0.5 (default), 1, 2, 5, 10, 30, and 60 seconds.

Interval	Examples
0.5-2 seconds	Surfing, biking or other sport
2 seconds	Busy street corner

TIME LAPSE MODE: SETTINGS

Interval	Examples
5-10 seconds	Clouds or outdoor scenes with long durations
10-60 seconds	Lengthy activities, such as construction or artwork

Night Lapse Photo Interval

Interval determines the rate at which photos are captured. Night Lapse intervals are Auto, 4, 5, 10, 15, 20, and 30 seconds, and 1, 2, 5, 30, and 60 minutes.

Auto (default) causes the Interval to match the Shutter setting. For example, if Shutter is set to 10 seconds and Interval is set to Auto, your camera captures a photo every 10 seconds. Photos are captured at 18MP.

Interval	Examples
Auto	Great for all exposures. Captures as quickly as possible, depending on the Shutter setting.
4-5 seconds	Evening city scene, street lighting, or scenes with movement
10-15 seconds	Dim lighting with slow scene changes, like night clouds with a bright moon
20-30 seconds	Very low light or very slow scene changes, like stars with minimal ambient or street light

TIME LAPSE MODE: SETTINGS



SHUTTER (TIME LAPSE)

Within Time Lapse mode, this setting applies only to Night Lapse Photo. Shutter lets you determine the amount of time that the shutter is open. The default option is 2 seconds.

Use this table to help you select the most appropriate setting for your activity:

Settings	Examples
Auto (up to 2 sec)	Sunrise, sunset, dawn, dusk, twilight, night
2 sec, 5 sec, 10 sec	Dawn, dusk, twilight, traffic at night, Ferris wheel, fireworks, light painting
15 sec, 20 sec	Night sky (with light)
30 sec	Night stars, Milky Way (complete darkness)

PRO TIP: To reduce the amount of blur when using Night Lapse Photo, mount your camera on the Fusion Grip tripod or other surface that is stable and cannot move.

PT PROTUNE

Within Time Lapse mode, Protune is available for Time Lapse Photo and Night Lapse Photo. For details about Protune settings, see [Protune](#) (page 47).

PROTUNE

Protune unlocks the camera's full potential, yielding stunning image quality and cinema-caliber video and photos optimized for professional productions. Protune gives content creators more flexibility and workflow efficiency than ever before.

Protune is compatible with professional color correction tools, the Fusion Studio and other video and photo editing software.

Protune enables manual control of color, white balance, **ISO limit**, and more for advanced control and customization of your video footage and photos.

PT PROTUNE

Protune is available as an advanced setting for supported capture modes. The options for this setting are Off (default) and On. When Protune is on, [**PT**] appears on the camera screens.

Protune is not available for Looping or Time Lapse Video. Protune is available for all video and photo resolutions.

Changes that you make to Protune settings in one capture mode apply only to that capture mode. For example, changing the White Balance for Night Photo does not affect White Balance for Burst photos.

PROTUNE

ISO ISO LIMIT

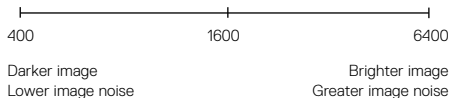
ISO Limit lets you set a range for the camera's sensitivity to light and image noise. This setting creates a balance between brightness and resulting image noise. Image noise refers to the degree of graininess in the image.

Higher values result in brighter images with greater image noise. Lower values result in darker images with lower image noise.

ISO Limit values for photos:



ISO Limit values for video:



PROTUNE



EXPOSURE VALUE COMPENSATION (EV COMP)

Exposure Value Compensation affects the brightness of your video or photo. Adjusting this setting can improve image quality when shooting in environments with contrasting lighting conditions.

Options for this setting range from -2.0 to +2.0. The default setting is 0. Higher values result in brighter images.

PRO TIP: Exposure Value Compensation adjusts brightness within the existing ISO setting. If brightness has already reached the ISO setting in a low-light environment, increasing the Exposure Value Compensation does not have any effect. To continue increasing the brightness, select a higher ISO value.

PROTUNE



RAW AUDIO

This setting applies only to the Video capture mode and creates a separate .wav file for your video, in addition to the standard .mp4 audio track. You can select the level of processing to apply to the RAW audio track. This setting is useful if you want a separate .wav file to share or use in post-processing.

Option	Description
Low	Applies minimal processing. Ideal if you apply audio processing in post-production.
Med	Applies processing based on the Manual Audio Control setting (wind and/or stereo). If Manual Audio Control is turned off, the camera automatically switches between wind filtering and stereo audio.
High	Applies full audio processing (automatic gain and AAC encoding).

PRO TIP: Audio files in .wav format are captured in the same location and with the same file name as .mp4 files. To access them, insert your microSD card into a card reader and locate the files with your computer's file explorer.

RESET

This option resets all Protune settings to their default values.

CUSTOMIZING YOUR GOPRO

From changing the beep volume to turning off the status lights, you can set up your camera to work the way that you want.

CHANGING PREFERENCES

1. Press the **Mode** button [] repeatedly until you get to Settings [], then press the Shutter button [] to select it.
2. Press the **Shutter** button [] repeatedly until you get to Preferences [].
3. Press the **Mode** button [] repeatedly until you get to the setting that you want to change.
4. Press the **Shutter** button [] to select a new option.
5. Press the **Mode** button [] repeatedly until you get to Done, then press the **Shutter** button [] to select it.



BEEP VOLUME

Sets the volume of your GoPro's alerts. The options are Off, Low, Medium, and High (default).



LED

Sets which status lights blink. The options are All On (default) and All Off.

PRO TIP: Turn the status lights off if you are capturing in an area with windows or mirrors that might cause reflection in the shot.

CUSTOMIZING YOUR GOPRO



DATE



TIME

The time and date are automatically updated when you connect your camera to the GoPro app or Fusion Studio. However, you can manually change these settings, if needed.

Note: If the battery is removed from the camera for an extended period of time, you must reset the date and time (automatically or manually).



GPS

Captures the location where your video and photos were taken. To see this information, view the video or photos on a compatible desktop or mobile application. For details, visit gopro.com/help.

This setting is available only when you connect Fusion to the GoPro app. For details, see [Connecting to the GoPro App](#) (page 30).



VIDEO FORMAT

Sets the regional frame rates that your camera uses for recording and playing back video on a TV/HDTV. Selecting the appropriate option for your region helps prevent flicker when capturing video indoors.

Setting	Description
NTSC (default)	Select this option to play back your video on an NTSC TV (most televisions in North America)
PAL	Select this option to play back your video on a PAL TV (most televisions outside of North America)

CUSTOMIZING YOUR GOPRO



STATUS SCREEN LIGHT

Controls the backlight on the status screen. The options are On (default) and Off.



AUTO-ROTATION

Determines the orientation of your video or photos to help you prevent upside down footage. This setting is available only when you connect Fusion to the GoPro app. For details, see [Connecting to the GoPro App](#) (page 30).

Setting	Description
Auto	(Auto Image Rotation) Camera automatically selects Up or Down, based on the orientation of the camera when recording begins. Ensures that your resulting image is always right-side up.
Up (default)	Camera is set to always capture in right-side up orientation.
Down	Camera is set to always capture in upside down orientation.



LANGUAGE

Sets the language that appears on the camera. This setting is available only when you connect Fusion to the GoPro app. For details, see [Connecting to the GoPro App](#) (page 30).

IMPORTANT MESSAGES

Fusion alerts you whenever there is an issue with the camera or microSD cards. The most important messages that you might see are listed below.

TEMPERATURE MESSAGE

TOO HOT - SHUTTING DOWN	A message appears on the status screen when the camera becomes too hot and needs to cool down. Simply let it sit and cool before attempting to use it again. Your camera was designed to identify conditions of overheating and shuts down when needed.
-------------------------	---

FILE REPAIR ICON

FILE DAMAGED	If recording stopped abruptly and the video file was not properly saved, the file might become corrupted. If this happens, the camera displays a <i>FILE DAMAGED</i> message. Press the Shutter button to repair the file. When this process is finished, you receive a message stating whether the repair was successful or failed. Press any button to continue using the camera.
--------------	---

MICROSD CARD MESSAGES

NO SD	No card present. The camera requires a microSD, microSDHC or microSDXC card (sold separately) to capture videos and photos. The message indicates which card is missing.
SD CARDS FULL	The cards are full. Delete some files or insert different cards.
SD ERROR	The camera is unable to read the card formatting. Reformat the cards in the camera.

RESETTING YOUR GOPRO

RESTARTING YOUR GOPRO

If your camera is not responding, press and hold the **Mode** button [] for 8 seconds to shut down the camera and then restart it. All settings are retained.

RESETTING ALL SETTINGS TO THE DEFAULTS

This option resets all of your camera settings to the defaults, except Date, Time, and your camera's username and password.

1. Connect Fusion to the GoPro app.
2. Open the settings, and then tap Reset Defaults. For details, see [Connecting to Other Devices](#) (page 30).

RESETTING THE CONNECTIONS

This option clears your connections list and resets the camera's password. If you reset the connections, you must reconnect any desired devices to your GoPro.

1. Press the Mode button [] repeatedly until you get to Settings [], then press the Shutter button [] to select it.
2. Press the Shutter button [] repeatedly until you get to Connections [].
3. Press the Mode button [] repeatedly until you get to Reset, then press the Shutter button [] to select it.
4. Press the Mode button [] to highlight Reset, then press the Shutter button [] to select it. Fusion automatically resets the connections and powers off.

RESETTING YOUR GOPRO

RESTORING FACTORY SETTINGS

Follow the steps below to reset all settings and the camera's password, and unregister the camera from your GoPro Plus account. This option is useful if you are reselling your camera and want to reset it to its original state.

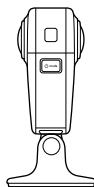
1. Press the Mode button [] repeatedly until you get to Settings [], then press the Shutter button [] to select it.
2. Press the Shutter button [] repeatedly until you get to Preferences [].
3. Press the Mode button [] repeatedly until you get to Reset, then press the Shutter button [] to select it.
4. Press the Mode button [] to highlight Reset, then press the Shutter button [] to select it. Fusion automatically restores the factory settings and restarts.

Restoring factory settings does not erase all content from your microSD card. To clear your microSD card, see [Reformatting Your microSD Cards](#) (page 9).

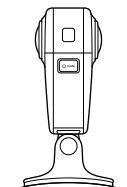
MOUNTING

ATTACHING YOUR CAMERA TO FUSION MOUNTS

The Fusion Mounts make it easy to attach the camera to curved and flat surfaces of helmets, vehicles, and gear. Fusion is waterproof to 16' (5m) with the doors closed—no additional housing is needed when using the camera in or around water.

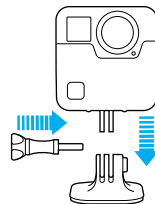


Curved Adhesive Mount



Flat Adhesive Mount

1. Adhere the Fusion Mount to a clean, smooth surface. Be sure to follow the [Mounting Guidelines](#) (page 58).
2. Use the thumb screw to attach the mounting fingers on Fusion to the mount.



MOUNTING

MOUNTING GUIDELINES

Follow these guidelines when attaching adhesive mounts:

- Attach the adhesive mounts at least 24 hours before use.
- Adhesive mounts must be mounted only on smooth surfaces. Porous or textured surfaces do not enable a proper bond. When applying the mount, firmly press it into place and ensure full contact over the entire surface.
- Apply adhesive mounts to clean surfaces only. Wax, oil, dirt or other debris reduce adhesion, which can result in a weak bond and risk of losing the camera should the connection fail.
- Attach adhesive mounts in room temperature conditions. Adhesives do not bond properly if applied in cold or damp environments to cold or damp surfaces.
- Check state and local regulations and laws to ensure that attaching a camera to equipment (such as hunting equipment) is permitted. Always comply with regulations that restrict the use of consumer electronics or cameras.
- During water activities, use Camera Tethers for added security to keep your camera afloat (both sold separately).



WARNING: To avoid injury, do not use a tether when mounting the camera on a helmet.

For more information about mounts, visit gopro.com.

MOUNTING

WARNING: If using your camera with a GoPro mount or strap intended for use with a helmet, always select a helmet that meets the applicable safety standard.



Choose the right helmet for your particular sport or activity and make sure that it is the right fit and size for you. Inspect your helmet to ensure that it is in good condition, and follow the helmet manufacturer's instructions on safe helmet use.

Any helmet that has sustained a major impact should be replaced. No helmet can protect against injury in every accident.

CALIBRATION

The sensors in Fusion are calibrated automatically to ensure the best performance from your camera. However, manual calibration might be required at times. In these situations, a message appears on the status screen. Fusion then provides step-by-step instructions to guide you through the process.

REMOVING THE SIDE DOOR

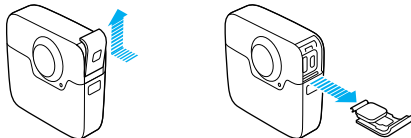
In some situations, such as when capturing content while charging Fusion, it might be useful to remove the side door to access the USB-C port.



WARNING: Remove the side door only when you are using the camera in a dry, dust-free environment. When the door is open or removed, the camera is not waterproof. Never operate the camera with the battery door open.

REMOVING THE SIDE DOOR

1. Hold down the Latch Release button and slide the door open.
2. Pull the door off of the camera.



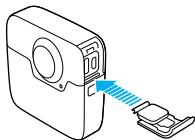
REMOVING THE SIDE DOOR

REATTACHING THE SIDE DOOR

1. Hold down the Latch Release button and extend the tab on the door.



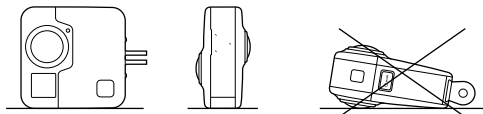
2. Press the tab onto the small silver bar.



MAINTENANCE

Follow these guidelines to get the best performance from your camera:

- To protect the lenses from damage, do not rest Fusion on its front or back side. Always store the camera in the Fusion Case when not in use.



- To clean the lenses, wipe them with a soft, lint-free cloth. If debris becomes lodged between the lens and the trim ring, flush it out with water or air. Do not insert foreign objects around the lens.
- When Fusion is not in use, be sure to store it in the Fusion Case to protect the lenses from damage.
- The camera is waterproof to 16' (5m)—no housing needed. Ensure that the doors are closed before using the camera in or around water, dirt, or sand.
- Before closing the doors, be sure the seals are free of debris. If needed, clean with a cloth.
- Before opening the doors, be sure the camera is free of water or debris. If needed, rinse the camera with fresh water and dry it with a cloth.
- If sand or debris hardens around the doors, soak the camera in warm tap water for 15 minutes and then rinse thoroughly to remove the debris before opening the doors.
- For best audio performance, shake the camera or blow on the mics to remove water and debris from the microphone holes. To prevent damage to the internal waterproof membranes, do not use compressed air to blow into the mic holes.
- After every use in salt water, rinse the camera with fresh water, and dry with a soft cloth.

BATTERY INFORMATION

MAXIMIZING BATTERY LIFE

A message appears on the status screen if the battery drops below 10%. If the battery reaches 0% while recording, the camera saves the file and powers off.

To maximize battery life, follow these guidelines when possible:

- Turn off Wireless
- Turn off Protune
- Use *QuikCapture* (page 21)

RECORDING WHILE CHARGING

Using the USB-C cable that came with your camera, you can capture video and photos while the camera is plugged in to a USB charging adapter, the GoPro Supercharger, another GoPro charger, or the GoPro Portable Power Pack. Although the battery does not charge during recording, you can use one of the above methods to power the camera and obtain extended recording time. When you stop recording, charging resumes. (You cannot record while charging the camera through a computer.)

Note: Because the side door is open during charging, the camera is not waterproof in this situation.



WARNING: Using a wall charger other than a GoPro charging device can damage the GoPro camera battery and could result in fire or leakage. With the exception of the GoPro Supercharger (sold separately), only use chargers marked: Output 5V 1A. If you do not know the voltage and current of your charger, use the included USB cable to charge the camera from your computer.

BATTERY INFORMATION

BATTERY STORAGE AND HANDLING

The camera contains sensitive components, including the battery. Avoid exposing your camera to very cold or very hot temperatures. Low or high temperature conditions may temporarily shorten the battery life or cause the camera to temporarily stop working properly. Avoid dramatic changes in temperature or humidity when using the camera, as condensation may form on or within the camera.

Do not dry the camera or battery with an external heat source such as a microwave oven or hair dryer. Damage to the camera or battery caused by contact with liquid inside the camera is not covered under the warranty.

Do not store your battery with metal objects, such as coins, keys or necklaces. If the battery terminals come in contact with metal objects, this may cause a fire.

Do not make any unauthorized alterations to the camera. Doing so may compromise safety, regulatory compliance, performance, and may void the warranty.



WARNING: Do not drop, disassemble, open, crush, bend, deform, puncture, shred, microwave, incinerate or paint the camera or battery. Do not insert foreign objects into the battery opening on the camera. Do not use the camera or the battery if it has been damaged—for example, if cracked, punctured or harmed by water. Disassembling or puncturing the battery can cause an explosion or fire.

BATTERY INFORMATION

BATTERY DISPOSAL

Most rechargeable lithium-ion batteries are classified as non-hazardous waste and are safe for disposal in the normal municipal waste stream. Many localities have laws in place requiring battery recycling. Check your local laws to make sure that you can dispose of rechargeable batteries in your regular trash. To safely dispose of lithium-ion batteries, protect terminals from exposure to other metal with packing, masking or electrical tape so they do not cause a fire while being transported.

Lithium-ion batteries, however, do contain recyclable materials and are accepted for recycling by the Rechargeable Battery Recycling Corporation's (RBRC) Battery Recycling Program. We encourage you to visit [Call2Recycle](http://Call2Recycle.org) at call2recycle.org or call 1-800-BATTERY in North America to find a convenient recycling location.

Never dispose of a battery in a fire because it may explode.



WARNING: Only use manufacturer-recommended replacement batteries for your camera.

TROUBLESHOOTING

MY GOPRO WON'T POWER ON

Make sure your GoPro is charged. To charge your camera, use the included USB-C cable and a computer. You can also use GoPro's Supercharger or USB-compatible Wall Charger or Auto Charger (all sold separately) or any charging device marked with output **5V 1A**. (Supercharger's output is 5V 2A.)

MY GOPRO WON'T RESPOND WHEN I PRESS A BUTTON

See [Restarting Your GoPro](#) (page 55).

PLAYBACK ON MY COMPUTER IS CHOPPY

Choppy playback is typically not a problem with the file. If your footage skips, one of these situations is likely the cause:

- Using an incompatible video player. Not all video players support the H.264 codec. For best results, download the latest version of Fusion Studio for free at gopro.com/apps.
- The computer does not meet the minimum requirements for playback. The higher the resolution and frame rate of your video, the harder the computer has to work to play it back. Make sure that your computer meets the minimum requirements for the playback software.

I FORGOT MY CAMERA'S USERNAME OR PASSWORD

See [Locating Your Camera's Username and Password](#) (page 13).

I DON'T KNOW WHAT SOFTWARE VERSION I HAVE

Go to Preferences, then select About. For details, see [Locating Your Software Version](#) (page 13).

TROUBLESHOOTING

I CAN'T FIND MY CAMERA'S SERIAL NUMBER

The camera's serial number is listed in several places:

- In Preferences (in the About setting, the serial number automatically appears after the camera name and password)
- Next to the USB-C port
- On your camera's microSD card (in the version.txt file in the MSC folder)

MY LENS IS DAMAGED

Contact Customer Support at gopro.com/help for details about where to send your camera for repair.

For more answers to commonly asked questions, see gopro.com/help.

CUSTOMER SUPPORT

GoPro is dedicated to providing the best possible service. To reach GoPro Customer Support, visit gopro.com/help.

TRADEMARKS

GoPro, HERO, Session, Karma and their respective logos are trademarks or registered trademarks of GoPro, Inc. in the United States and other countries. © 2017 GoPro, Inc. All rights reserved. Made in China. Hecho en China. For patent information, visit gopro.com/patents. GoPro, Inc., 3000 Clearview Way, San Mateo CA 94402 | GoPro GmbH, Floessergasse 2, 81369 Munich, Germany

REGULATORY INFORMATION

To see the complete list of country certifications, refer to the Important Product + Safety Instructions included with your camera or visit gopro.com/help.





IMPORTANT PRODUCT + SAFETY INSTRUCTIONS

English

Français

Deutsch

Italiano

Español (LA)

Español (ES)

Português

Nederlands

Polski

Русский

Svenska

IMPORTANT SAFETY AND PRODUCT INFORMATION

By using this product, you acknowledge that you have read and agree to our Terms of Use (gopro.com/terms) and Privacy Policy (gopro.com/legal/privacy-policy). For more detailed information about camera features and settings, download the user manual online at gopro.com/help.



This symbol identifies a potential hazard which, if not avoided, could result in death, serious injury or property damage. Read this guide for important safety and health information for the product that you purchased.



WARNING: Failure to properly set up, use, and care for this product can increase the risk of serious injury, death, property damage, or damage to the product or related accessories. Exercise caution when using your GoPro Fusion as part of your active lifestyle. Always be aware of your surroundings to avoid injury to yourself and others.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Clean only with a dry cloth.
6. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
7. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.

8. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
9. Only use attachments and accessories specified and provided by the manufacturer for Fusion.
10. Unplug this apparatus during lightning storms or when unused for long periods of time.
11. Refer all servicing to qualified personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

CAMERA SAFETY



WARNING: Failure to take the following precautions can result in serious injury or death from electric shock, fire, or damage to your GoPro Fusion:

- Inspect your camera and accessories before use to ensure they are not damaged and are assembled according to GoPro's instructions. For safety purposes, use only genuine GoPro supplied or purchased parts with your Fusion. The use of any other component, accessory, or charger that is not recommended by GoPro may cause fire, electric shock, or injury. Your warranty does not cover damage caused by use of unauthorized attachments. For approved accessories, visit gopro.com.
- Do not drop, disassemble, open, crush, bend, deform, puncture, shred, microwave, incinerate or paint the camera, battery or powered accessories.
- Do not insert foreign objects into any opening on the camera, such as the USB port.

Where do these bullets end? If its the entire section then I vote no bullets. The additional tabbing in is going to increase the page count

- Do not use the camera if it has been damaged—for example, if cracked, punctured or harmed by water.
- Do not dry the camera or battery with an external heat source such as a microwave oven or hair dryer.
- Do not place naked flame sources, such as lighted candles, on or near the product.

When charging the camera, do not handle the plug or charger with wet hands. Failure to observe this warning could result in electric shock.

Using a wall charger other than a GoPro wall charger can damage the GoPro camera battery and could result in fire or leakage.

Always secure the camera in its frame for mounting or its housing, if applicable, when using the camera in or near water. Camera will not float. Do not get the battery wet. Failure to observe this precaution could result in fire or electric shock. Do not submerge Fusion in liquid if the battery door is open. Damage to the camera or battery caused by contact with liquid is not covered under the warranty.

Use only in low-velocity or stationary settings. Only mount Fusion with the accessories, mounts, and adhesives provided for with the product. Only mount the product where it will not interfere with vehicle or equipment operation. Do not mount your Fusion in a high vibration setting in cold weather conditions (for example, on top of skis or snowboard). Do not wear Fusion if this will interfere with the use of required equipment. Do not wear this product where it will come into contact with other objects. Failure to observe this warning could result in accidents or other injury.

Do not place the product on, or attach it to, unstable surfaces. Failure to observe this precaution could result in the product coming loose or falling over, causing accidents or other injury.

If using the external power connection, follow all safety guidelines for the third-party power device.

Your GoPro camera lens is glass. Should the lens break, care should be taken to avoid injury due to broken glass. Keep out of reach of children. Contact GoPro Customer Support.

The temperature of your camera may become warm during operation, which is a normal condition during use. In such circumstances, disconnect the battery or power source and let it sit and cool before attempting to use it again. Continued operation could result in fire, burns or other injury.

This product is not a toy. It is solely your responsibility to comply with all local laws, regulations, and restrictions. Should a child swallow any part of this product, seek immediate medical attention.

Do not use your Fusion for unauthorized surveillance, surreptitious use, or in any manner that violates personal privacy laws. Such use is often strictly forbidden and can subject the operator to serious liability and criminal prosecution.

CAUTION: Radio-frequency emissions from electronic equipment can negatively affect the operation of other electronic equipment, causing them to malfunction. The wireless transmitters and electrical circuits in your product may cause interference in other electronic equipment. When using GoPro products near another device, read that device's user guide for any safety instructions. Power your camera off whenever it is forbidden to use it or when it may cause interference.

NOTICE: Avoid exposing your camera or battery to very cold or very hot temperatures. Low or high temperature conditions may temporarily shorten the battery life or cause the camera to temporarily stop working properly. The microphones in your camera are designed to provide optimal audio capture in a variety of environments. When Wi-Fi is on, microphones may detect and capture low-level noises.

To prevent this noise, turn off Wi-Fi when recording. Abide by all local laws when using your GoPro and related mounts and accessories, including all privacy laws, which may restrict recording in certain areas.

NOTICE: The dual lenses of the Fusion camera are unprotected and are susceptible to scratches if not cared for properly. Always store the Fusion camera with the provided lens protection and avoid resting the lens on any surface. Scratches to the lens are not covered by the warranty.

BATTERY SAFETY:



WARNING: The following precautions apply to the rechargeable battery provided with your Fusion. Improper battery use may result in serious injury, death, property damage, or damage to the product or related accessories as a result of battery fluid leakage, fire, overheating, or explosion. Released battery fluid is corrosive and may be toxic. It can cause skin and eye burns, and is harmful if swallowed. If a battery leaks, remove the battery by reversing the installation steps provided for this product, being careful to keep the leaked fluid from touching your skin or clothes. If fluid from the battery contacts skin or clothes, flush skin with water immediately. Before inserting any new battery, thoroughly clean the battery compartment with a dry cloth. To reduce the risk of injury and proper performance of your battery, follow these guidelines:

- Keep batteries out of the reach of children.
- Keep batteries clean and dry.
- Do not dismantle, open or shred battery pack or cells. Do not short-circuit the battery. Do not store batteries in a box or drawer where they may short-circuit each other or be short-circuited by other metal objects. Failure to follow this warning can cause an explosion or fire.

- Do not subject batteries to mechanical shock.
- Observe the plus (+) and minus (-) marks on the battery and equipment and ensure correct use.
- Never use or charge a damaged, leaky or swollen battery.
- Batteries need to be charged before use. Always use the charger that came with your Fusion and refer to the manufacturer's instructions or equipment manual for proper charging instructions.
- Do not leave a battery on prolonged charge when not in use. Discontinue use immediately should you notice any discoloration or deformation in the battery. Failure to observe these warnings could result in the battery leaking, overheating, rupturing, or catching fire.
- Batteries give their best performance when they are operated at normal room temperature 68°F (20°C) ± 9°F (5°C).
- When possible, remove the battery from the equipment when not in use.
- Only use authentic GoPro batteries that are designed for Fusion.
- Do not dispose of battery in regular trash containers. Recycle battery according to your local regulations.

LIMITED WARRANTY

GoPro warrants that for a period of one (1) year from original date of purchase, the product will be free from defects in materials and workmanship under normal use. In the event of a defect, contact GoPro Customer Support (gopro.com/help) for assistance. GoPro's sole obligation under this warranty will be, at its option, to repair or replace the product. This warranty does not apply to products damaged by misuse, accident, or normal wear and tear. Damage resulting from use with non-GoPro batteries, power cables, or other battery charging/recharging accessories or devices is also not covered by this or any

warranty. ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE DURATION OF THIS WARRANTY. GOPRO DISCLAIMS ALL OTHER EXPRESSED OR IMPLIED WARRANTIES OR CONDITIONS. TO THE EXTENT NOT PROHIBITED BY LAW, IN NO EVENT WILL GOPRO BE LIABLE FOR ANY LOSS OF DATA, REVENUE OR PROFIT, OR FOR ANY SPECIAL, INDIRECT, CONSEQUENTIAL, INCIDENTAL OR PUNITIVE DAMAGES, HOWEVER CAUSED, ARISING OUT OF OR RELATED TO THE USE OF OR INABILITY TO USE THE PRODUCT, EVEN IF GOPRO HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT WILL GOPRO'S LIABILITY EXCEED THE AMOUNT PAID BY YOU FOR THE PRODUCT. Some jurisdictions do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary by jurisdiction.

European Union Consumers: GoPro grants for a period of two (2) years from the original date of purchase of the relevant GoPro product and free of charge a limited manufacturer's guarantee to the end customer. This shall not limit any consumer rights which you have under consumer law; instead it grants you additional rights. The guarantee is governed by the following terms and conditions. GoPro guarantees that for a period of two (2) years from the original date of purchase, your GoPro product will be free from defects in materials and workmanship under normal use and provided it has been used in accordance with the instructions in the relevant GoPro user manual (gopro.com/help). In the event of a defect, contact GoPro Customer Support (gopro.com/help) for assistance and be prepared to present the original purchase receipt. GoPro's sole obligation under this guarantee will be, at its option, to repair or replace the defective product. This guarantee does not apply to products damaged by misuse, accident, or normal wear and tear. This guarantee also does not apply to products damaged as a result of repair works not performed by GoPro or an authorized GoPro dealer.

Australian Consumers: The benefits given by the GoPro limited warranty are in addition to other rights and remedies available

to you. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and to compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the product repaired or replaced if it fails to be of acceptable quality and the failure does not amount to a major failure.

Open Source Software: Disclosures and disclaimers in connection with GoPro's incorporation of certain open-source software into its products can be found at gopro.com/support/open-source.



This symbol means that, according to local laws and regulations, your product should be disposed of separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities. Some collection points accept products for free. The separate collection and recycling of your product at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.



Hereby, GoPro, Inc. declares that the radio equipment type GoPro Fusion is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: gopro.com/help.

GoPro Inc., 3000 Clearview Way, San Mateo CA 94402 USA

GoPro GmbH, Floessergasse 2, 81369 Munich, Germany

GoPro Fusion (SBDC1) transmits at 2.402 GHz - 2.472 GHz. The maximum power transmitted in this frequency band is EIRP 30.9 mW. They also transmit at the 5.150 GHz - 5.825 GHz frequency bands. The maximum power transmitted in these frequency bands is EIRP 24.0 mW. Country-specific rules and regulations can prevent or limit the use of some or all of the listed frequency bands and power level.

IC Regulations: This device complies with Industry Canada license-exempt RSS standards. Operation is subject to the following two conditions: (1) This device may not cause interference; and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

This Class B digital apparatus complies with Canadian ICES-003.

The Country Code Selection feature is disabled for products marketed in the US/Canada.

For product available in the USA/Canada markets, only channels 1-11 can be operated. Selection of other channels is not possible.

IMPORTANT NOTE:

IC Radiation Exposure Statement

This EUT is in compliance with SAR for general population/uncontrolled exposure limits in IC RSS-102 and has been tested in accordance with the measurement methods and procedures specified in IEEE 1528.

ELECTRICAL RATINGS

5V  3A

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference; and (2) This device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates—and can radiate—radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The provided shielded USB cable must be used with this unit to ensure compliance with the Class B FCC limits.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure Information (SAR)

This device has been designed and manufactured to comply with the limits for exposure to RF energy set by the Federal Communications Commission (FCC) of the United States, Industry Canada (IC) and the European Union and other countries.

The exposure standards for wireless devices employ a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC/IC is 1.6W/kg averaged over 1 gram of tissue. The SAR limit recommended by The Council of the European Union is 2.0W/kg averaged over any 10 grams of tissue. The highest reported SAR value are 0.893 W/kg for head and 1.389 W/kg for body.

The FCC and IC have granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC and IC RF exposure guidelines. SAR information on this device is on file with the FCC and IC, and can be found under the Display Grant section of www.fcc.gov/oet/ea/fccid after searching on FCC ID: CNFSBDC1 and under the Industry Canada Radio Equipment List database <http://www.ic.gc.ca/app/sitt/reltel/srch/nwRdSrch.do?lang=eng> after searching 10193A-SBDC1.

This device is in compliance with SAR for general population/uncontrolled exposure limits in ANSI/IEEE C95.1-1999 and has been tested in accordance with the measurement methods and procedures specified in KDB 865664 D01.

ESD

The device may stop recording or transmitting data after suffering the Electrostatic Discharge. The device will need to be power cycled to restore full function. There will be no loss of function or data as a result of the power cycle.

REGULATORY INFORMATION

Europe	New Zealand	Singapore	Russia
	R-NZ	Complies with IMDA Standards DA103787	
Nigeria	Jamaica	Malaysia	Ukraine
Connection and use of this communications equipment is permitted by the Nigerian Communications Commission	This product has been Type Approved by Jamaica: SMA - SBDC1		

Thailand	China
This telecommunication equipment conforms to the requirements of the National Telecommunications Commission “เครื่องโทรคมนาคมและอุปกรณ์นี้ มีความสอดคล้องตามข้อกำหนดของ กทท.”	

GoPro, HERO, Karma, Session and their respective logos are trademarks or registered trademarks of GoPro, Inc. in the United States and other countries. © 2017 GoPro, Inc. All rights reserved. Made in China. Hecho en China. For patent information, visit gopro.com/patents. GoPro, Inc., 3000 Clearview Way, San Mateo CA 94402 | GoPro GmbH, Floessergasse 2, 81369 Munich, Germany



INSTRUCTIONS IMPORTANTES RELATIVES AU PRODUIT + À LA SÉCURITÉ

English

Français

Deutsch

Italiano

Español (LA)

Español (ES)

Português

Nederlands

Polski

Русский

Svenska

INFORMATIONS IMPORTANTES RELATIVES AU PRODUIT ET À LA SÉCURITÉ

En utilisant ce produit, vous reconnaissez avoir lu et accepté nos Conditions d'utilisation (gopro.com/terms) et notre Politique de confidentialité (gopro.com/legal/privacy-policy). Pour plus d'informations sur les fonctionnalités et paramètres de cette caméra, téléchargez le manuel de l'utilisateur en ligne à l'adresse gopro.com/help.



Ce symbole identifie un danger potentiel qui, s'il n'est pas évité, peut entraîner la mort, des blessures graves ou des dégâts matériels. Lisez ce guide pour prendre connaissance des précautions sur la sécurité et sur la santé relatives au produit que vous avez acheté.



AVERTISSEMENT : En cas de mauvaise configuration de ce produit, d'une utilisation inappropriée ou d'un manque de soin, vous vous exposez à un risque accru de blessures graves, de décès, de dégâts matériels ou d'endommagement du produit et de ses accessoires. Soyez prudent lorsque vous utilisez votre GoPro Fusion dans le cadre de vos activités sportives. Faites attention à ce qui se passe autour de vous afin d'éviter de vous blesser ou de blesser autrui.

1. Lisez ces instructions.
2. Conservez ces instructions.
3. Tenez compte de tous les avertissements.
4. Suivez toutes les instructions.
5. Nettoyez uniquement à l'aide d'un chiffon sec.
6. N'obstruez aucune ouverture d'aération. Respectez les instructions d'installation du fabricant.

7. N'installez pas l'équipement à proximité d'une source de chaleur telle qu'un radiateur, un conduit de chauffage, une cuisinière ou tout autre appareil produisant de la chaleur.
8. Protégez le cordon d'alimentation afin d'éviter de marcher dessus ou de le pincer, en particulier au niveau des prises, des boîtiers de prise et du point de sortie de l'équipement.
9. Utilisez exclusivement les équipements et accessoires recommandés et fournis par le fabricant de Fusion.
10. Débranchez cet équipement en cas d'orage ou d'inutilisation prolongée.
11. Faites réaliser toutes les réparations par du personnel qualifié. Une réparation est nécessaire lorsque l'équipement a été endommagé de quelque manière que ce soit, par exemple lorsque le cordon d'alimentation ou la prise sont endommagés, en cas de déversement d'un liquide ou de présence d'un objet à l'intérieur de l'équipement, en cas d'exposition à la pluie ou à l'humidité, en cas de fonctionnement anormal, ou si l'équipement est tombé à terre.

CONSIGNES DE SÉCURITÉ RELATIVES À LA CAMÉRA



AVERTISSEMENT : En cas de non-respect des consignes de sécurité suivantes, vous vous exposez à un risque de blessures graves ou de décès par électrocution, d'incendie ou d'endommagement de votre GoPro Fusion :

- Inspectez votre caméra et ses accessoires avant de les utiliser pour vous assurer qu'ils ne sont pas endommagés et qu'ils sont assemblés conformément aux instructions de GoPro. Pour des raisons de sécurité, utilisez uniquement des composants GoPro authentiques fournis ou achetés avec votre Fusion. L'utilisation de tout autre composant, accessoire ou chargeur non recommandé par GoPro est susceptible d'entraîner un incendie, un choc électrique ou des blessures. Votre garantie ne couvre pas les dommages consécutifs à l'utilisation d'accessoires non autorisés. Pour consulter la liste des accessoires approuvés, rendez-vous sur gopro.com.

- Ne pas laisser tomber, démonter, ouvrir, écraser, plier, déformer, percer, lacérer, exposer aux micro-ondes, incinérer ni peindre la caméra, la batterie et les accessoires sous tension.
- Ne pas introduire de corps étrangers par les ouvertures de la caméra, comme le port USB.
- Ne pas utiliser la caméra si elle a été endommagée, par exemple si elle est fissurée, percée ou si elle a pris l'eau.
- Ne pas faire sécher la caméra ou la batterie à l'aide d'une source de chaleur externe comme un four à micro-ondes ou un sèche-cheveux.
- Ne placer aucune source de flamme nue, telle qu'une bougie allumée, sur le produit ou à proximité de celui-ci.

Lors du chargement de la caméra, ne pas toucher la prise ou le chargeur avec des mains mouillées. Le non-respect de cet avertissement de sécurité peut entraîner une électrocution.

L'utilisation d'un chargeur mural autre que le chargeur mural GoPro peut endommager la batterie de la caméra GoPro et provoquer un incendie ou une fuite.

Mettez toujours la caméra dans son cadre pour la fixer ou dans son boîtier le cas échéant, lorsque vous l'utilisez dans l'eau ou à proximité de l'eau. La caméra ne flotte pas. Veiller à ne pas mouiller la batterie. Le non-respect de cette consigne de sécurité peut entraîner un incendie ou une électrocution. N'immergez pas la caméra Fusion dans un liquide lorsque le compartiment à batterie est ouvert. Toute détérioration de la caméra ou de la batterie due à un contact avec des matières liquides n'est pas couverte par la garantie.

Utiliser uniquement dans un environnement se déplaçant à une vitesse faible ou stationnaire. Monter uniquement des accessoires, fixations et autocollants fournis spécifiquement pour le produit Fusion. Monter uniquement le produit dans un endroit où il ne pourra pas interférer avec le fonctionnement d'un véhicule ou d'un appareil. Ne pas monter la Fusion dans une zone à fortes vibrations et dans des conditions météorologiques froides (sur des skis ou un snowboard, par exemple). Ne pas porter la Fusion si celle-ci risque d'interférer avec l'utilisation de l'équipement requis. Ne pas porter ce produit s'il risque d'entrer en contact avec d'autres objets. Le non-respect de cet avertissement peut entraîner un accident ou dommage corporel.

Ne pas placer ou fixer le produit sur une surface instable. Le produit risquerait en effet de se détacher voire de tomber, et de provoquer ainsi un accident voire des dommages corporels.

En cas d'utilisation du raccord d'alimentation externe, respecter toutes les consignes de sécurité du dispositif d'alimentation tiers.

L'objectif de votre caméra GoPro est en verre. Si l'objectif se brise, veillez à prendre des précautions pour éviter toute blessure causée par des bris de verre. Tenez-le hors de la portée des enfants. Contactez le service d'assistance clientèle de GoPro.

La température de votre caméra peut augmenter lorsqu'elle est en fonctionnement, ce qui est normal. Le cas échéant, débranchez la batterie ou la source d'alimentation et laissez le produit refroidir avant de l'utiliser à nouveau. Une utilisation continue peut provoquer un incendie, des brûlures ou des dommages corporels.

Ce produit n'est pas un jouet. Il est de votre seule responsabilité de vous conformer à toutes les lois, réglementations et restrictions locales. Dans l'éventualité où un enfant avalerait un composant du produit, consultez immédiatement un médecin.

N'utilisez pas votre Fusion à des fins de surveillance non autorisée, d'utilisation furtive ou de toute autre manière enfreignant les lois de protection de la vie privée. Une telle utilisation est dans la plupart des cas strictement interdite et peut engager la responsabilité de l'opérateur et l'exposer à des poursuites judiciaires.

ATTENTION : Les émissions de radiofréquences des équipements électroniques peuvent nuire au bon fonctionnement d'autres équipements électroniques. Les émetteurs sans fil et les circuits électriques de votre produit peuvent provoquer des interférences avec d'autres équipements électroniques. Lorsque vous utilisez des produits GoPro à proximité d'un autre dispositif, lisez le manuel de l'utilisateur du dispositif en question pour prendre connaissance des instructions relatives à la sécurité. Éteignez votre caméra lorsque son utilisation est interdite ou peut provoquer des interférences.

NOTE : Évitez d'exposer votre caméra ou sa batterie à des températures trop basses ou trop élevées. Les températures extrêmes peuvent temporairement diminuer l'autonomie de la batterie ou nuire à la fonctionnalité de la caméra. Les microphones de votre caméra sont conçus pour permettre une capture audio optimale dans une grande variété d'environnements. Lorsque la connexion Wi-Fi est activée, les microphones peuvent capter et enregistrer des bruits de faible niveau.

Pour éviter ces bruits, désactivez la connexion Wi-Fi lors de l'enregistrement. Respectez toutes les lois locales en vigueur lors de l'utilisation de votre GoPro et de ses fixations et accessoires, y compris les lois sur la protection de la vie privée pouvant interdire l'utilisation de caméras dans certaines zones.

NOTE : L'objectif double de la caméra Fusion n'est pas protégé et peut être aisément endommagé par les rayures s'il n'est pas traité convenablement. Rangez toujours la caméra Fusion avec la protection pour objectif fournie et évitez de la poser sur son objectif. Les rayures sur l'objectif ne sont pas couvertes par la garantie.

CONSIGNES DE SÉCURITÉ RELATIVES À LA BATTERIE :



AVERTISSEMENT : Les consignes de sécurité suivantes s'appliquent à la batterie rechargeable fournie avec votre Fusion. En cas de mauvaise utilisation de la batterie, vous vous exposez à un risque de blessures graves, de décès, de dégâts matériels ou d'endommagement du produit et de ses accessoires résultant d'une fuite de liquide, d'un incendie, d'une surchauffe ou d'une explosion. Le liquide de la batterie est corrosif et potentiellement toxique. Il peut provoquer des brûlures de la peau et des yeux et s'avère dangereux en cas d'ingestion. En cas de fuite, retirez la batterie en suivant par ordre inverse les étapes d'installation de ce produit, tout en veillant à ce que ni votre peau, ni vos vêtements n'entrent en contact avec le liquide. Si le liquide de la batterie entre en contact avec votre peau ou vos vêtements, rincez immédiatement à l'eau. Avant d'insérer une nouvelle batterie, nettoyez soigneusement le compartiment avec un chiffon sec. Pour réduire le risque de blessures et garantir la bonne performance de votre batterie, veuillez suivre ces consignes :

- Garder les batteries hors de portée des enfants.
- Veiller à ce que les batteries restent propres et sèches.
- Ne pas démonter, ouvrir ou détruire le bloc-batterie ou les piles. Ne pas court-circuiter la batterie. Ne pas entreposer les batteries dans une boîte ou un tiroir dans lesquels elles seraient susceptibles de produire un court-circuit entre elles, ou d'être court-circuitées par d'autres objets métalliques. Le non-respect de cet avertissement peut engendrer une explosion ou un incendie.
- Ne pas exposer les batteries à un choc mécanique.

- Respecter les bornes plus (+) et moins (-) indiquées sur la batterie et l'équipement, et s'assurer de leur correspondance.
- Ne jamais utiliser ou charger une batterie endommagée, percée ou gonflée.
- Les batteries doivent être chargées avant utilisation. Utiliser uniquement le chargeur fourni avec la Fusion et se reporter aux instructions du fabricant ou au manuel de l'équipement pour connaître la procédure de chargement correcte.
- Ne pas laisser une batterie en charge prolongée en cas d'inutilisation. Arrêter d'utiliser immédiatement la batterie en cas de décoloration ou de déformation. Si ces avertissements ne sont pas respectés, la batterie risque de fuir, de chauffer, de se percer ou de prendre feu.
- Le fonctionnement des batteries est optimal à une température ambiante normale de 20 °C (68 °F) ± 5 °C (9 °F).
- Si possible, retirer la batterie de l'équipement en cas d'inutilisation.
- Utiliser uniquement des batteries de marque GoPro conçues pour Fusion.
- Ne pas jeter les batteries avec les ordures ménagères habituelles. Les batteries doivent être recyclées conformément à votre réglementation locale.

GARANTIE LIMITÉE

GoPro garantit que le produit ne présentera aucun défaut matériel ou de fabrication pendant une période d'un (1) an à compter de la date d'achat, à condition qu'il soit utilisé dans des conditions normales. En cas de défaut, contactez l'assistance clientèle de GoPro (gopro.com/help). La seule obligation de GoPro, selon les termes de cette garantie, est la réparation ou le remplacement du produit, à sa convenance. La présente garantie ne s'applique pas aux produits endommagés par

une mauvaise utilisation, un accident ou une usure normale. Les dommages résultant de l'utilisation de batteries, de câbles d'alimentation ou d'autres accessoires ou appareils de chargement/rechargement de batterie autres que ceux de GoPro ne sont pas non plus couverts par la présente ou toute autre garantie. TOUTES LES GARANTIES IMPLICITES DE QUALITÉ MARCHANDE OU DE CONFORMITÉ À UN USAGE PARTICULIER SE LIMITENT À LA DURÉE DE LA PRÉSENTE GARANTIE. GOPRO DÉCLINE TOUTE AUTRE GARANTIE OU DISPOSITION EXPRESSE OU IMPLICITE. DANS LA MESURE PERMISE PAR LA LOI, GOPRO NE POURRA EN AUCUN CAS ÊTRE TENUE RESPONSABLE DES PERTES DE DONNÉES, DE REVENUS OU DE BÉNÉFICES, OU DES DOMMAGES SPÉCIFIQUES, INDIRECTS, DIRECTS, CONSÉCUTIFS OU PUNITIFS, QUELLE QU'EN SOIT LA CAUSE, OCCASIONNÉS PAR OU EN RAPPORT AVEC L'UTILISATION OU L'IMPOSSIBILITÉ D'UTILISATION DU PRODUIT, MÊME SI GOPRO A ÉTÉ PRÉVENUE DE L'ÉVENTUALITÉ DE TELS DOMMAGES. LA RESPONSABILITÉ DE GOPRO NE POURRA EN AUCUN CAS ÊTRE ENGAGÉE AU-DELÀ DU MONTANT ACQUITTÉ POUR L'ACHAT DU PRODUIT. Les limitations de durée de garantie implicite, ou l'exclusion ou la limitation des dommages indirects ou directs n'étant pas autorisées dans certains pays, il est possible que les limitations et exclusions mentionnées ci-dessus ne s'appliquent pas à vous. La présente garantie vous donne des droits spécifiques et il se peut également que vous disposiez d'autres droits, qui peuvent varier selon les pays.

Consommateurs résidant dans l'Union européenne : GoPro accorde une garantie de deux (2) ans à compter de la date d'achat initiale du produit GoPro concerné et fournit une garantie limitée gratuite du fabricant au consommateur final. Cela n'enlève aucun droit du consommateur dont vous disposez au titre du droit de la consommation ; vous bénéficiez par ailleurs de droits supplémentaires. La garantie est régie par les conditions suivantes. GoPro garantit que votre produit GoPro ne présentera aucun défaut matériel ou de fabrication pendant une période de deux (2) ans à compter de la date d'achat initiale, à condition qu'il soit utilisé dans des conditions normales et conformément aux instructions fournies dans le manuel de l'utilisateur GoPro correspondant (gopro.com/help). En cas de défaut, contactez l'assistance clientèle de GoPro

(gopro.com/help) pour obtenir de l'aide. Vous devrez présenter le reçu original se rapportant à l'achat. La seule obligation de GoPro, au titre de cette garantie, est la réparation ou le remplacement du produit défectueux, à sa convenance. La présente garantie ne s'applique pas aux produits endommagés par une mauvaise utilisation, un accident ou une usure normale. En outre, la présente garantie ne s'applique pas aux produits endommagés en raison d'une réparation non réalisée par GoPro ou par un distributeur GoPro agréé.

Consommateurs en Australie : Les avantages accordés par la garantie limitée de GoPro s'ajoutent aux autres droits et recours qui vous sont disponibles. Nos produits sont accompagnés de garanties qui ne peuvent pas être exclues en vertu de la loi australienne de protection des consommateurs (Australian Consumer Law). Vous avez droit à un remplacement ou à un remboursement en cas de défaut majeur et à une compensation pour toute autre perte ou tout autre dommage raisonnablement prévisibles. Vous avez également le droit de faire réparer ou remplacer le produit s'il n'est pas de qualité acceptable et si le défaut ne correspond pas à un défaut majeur.

Logiciels libres : Les déclarations et avis de non-responsabilité relatifs à l'intégration par GoPro de certains logiciels libres dans ses produits sont disponibles à l'adresse gopro.com/support/open-source.



Ce symbole signifie que vous devez éliminer votre produit séparément des déchets ménagers, conformément aux normes et à la législation de votre pays. Lorsque ce produit arrive en fin de vie, déposez-le dans un point de collecte de déchets agréé par les autorités locales. Certains points de collecte acceptent les produits gratuitement. La collecte et le recyclage séparés de votre produit lors de sa mise au rebut aideront à préserver les ressources naturelles et à garantir un recyclage respectueux de la santé et de l'environnement.



GoPro, Inc. déclare par les présentes que le type d'équipement radio GoPro Fusion est conforme à la directive 2014/53/UE. Le texte intégral de la déclaration de conformité UE est disponible sur Internet à l'adresse suivante : gopro.com/help.

GoPro Inc., 3000 Clearview Way, San Mateo CA 94402 États-Unis
GoPro GmbH, Floessergasse 2, 81369 Munich, Allemagne

GoPro Fusion (SBDC1) transmet à une fréquence comprise entre 2,402 GHz et 2,472 GHz. La puissance maximale transmise sur cette bande de fréquences est de 30,9 mW EIRP. Elles émettent également sur les bandes de fréquences 5,150 GHz - 5,825 GHz. La puissance maximale transmise sur ces bandes de fréquences est de 24,0 mW EIRP. Les réglementations spécifiques aux pays peuvent empêcher ou limiter l'utilisation de certaines/de la totalité des bandes de fréquences indiquées et du niveau de puissance.

Réglementations de l'IC : Le présent appareil est conforme aux normes CNR d'Industrie Canada applicables aux appareils radio exempts de licence. Son exploitation est soumise aux deux conditions suivantes : (1) ce dispositif ne doit pas produire d'interférences et (2) ce dispositif doit accepter toutes les interférences qu'il reçoit, y compris celles susceptibles de perturber son fonctionnement.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

La fonction Sélection du code pays est désactivée pour les produits disponibles sur le marché américain/canadien.

Pour les produits disponibles sur les marchés américain/canadien, seuls les canaux 1-11 peuvent être actionnés. Il est impossible de choisir d'autres canaux.

REMARQUE IMPORTANTE :

Déclaration d'IC relative à l'exposition aux radiations

Cet appareil est conforme aux spécifications DAS (Débit d'absorption spécifique) relatives aux limites générales d'exposition pour la population/dans les environnements non contrôlés, définies dans la norme IC RSS-102, et a été testé selon les méthodes de mesure et les procédures spécifiées dans la norme IEEE 1528.

CARACTÉRISTIQUES ÉLECTRIQUES

5 V , 3 A

DÉCLARATION DE LA FCC

Cet appareil est conforme aux exigences de la section 15 de la réglementation FCC. Son exploitation est soumise aux deux conditions suivantes : (1) cet appareil ne doit pas produire d'interférences nuisibles et (2) cet appareil doit accepter toutes les interférences qu'il reçoit, y compris celles susceptibles de perturber son fonctionnement.

REMARQUE : Cet équipement a été testé et déclaré conforme aux limites des équipements numériques de classe B, selon les termes de la partie 15 de la réglementation de la FCC. Ces limites sont destinées à garantir une protection raisonnable contre les interférences nuisibles dans une installation résidentielle. Cet équipement génère et peut émettre de l'énergie de radiofréquences et, s'il n'est pas installé et utilisé conformément aux instructions, peut produire des interférences nuisibles aux communications radio.

Toutefois, il n'existe aucune garantie que de telles interférences ne se produiront pas dans une installation particulière. Si cet équipement produit des interférences nuisibles à la réception radio ou télévision, ce qui peut être déterminé en allumant et en éteignant l'équipement, il est vivement conseillé à l'utilisateur de tenter d'éliminer ces interférences en appliquant une ou plusieurs des mesures suivantes :

- Réorienter ou déplacer l'antenne de réception.
- Augmenter la distance séparant l'équipement du récepteur.
- Brancher l'équipement sur une prise de circuit différent de celui du récepteur.
- Consulter le revendeur ou un technicien radio/TV agréé pour obtenir de l'aide.

Le câble USB blindé fourni doit être utilisé avec cette unité afin de garantir la conformité aux limites FCC de la classe B.

Avertissement : Tous changements ou modifications n'ayant pas été expressément approuvés par la partie responsable de la conformité pourraient faire perdre à l'utilisateur le droit d'utiliser l'appareil.

Informations relatives à l'exposition à l'énergie de radiofréquence (DAS ou Débit d'absorption spécifique)

Cet appareil est conforme, dans sa conception et sa fabrication, aux spécifications relatives aux limites d'exposition à l'énergie de radiofréquence définies par la Federal Communications Commission (FCC) aux États-Unis, par Industrie Canada (IC), par l'Union européenne et par d'autres pays.

Les normes d'exposition pour les appareils sans fil utilisent une unité de mesure appelée Débit d'absorption spécifique, ou DAS. La limite DAS fixée par la FCC/IC est de 1,6 W/kg en moyenne par gramme de tissu. La limite DAS recommandée par le Conseil de l'Union européenne est de 2,0 W/kg en moyenne pour 10 grammes de tissu. La valeur DAS la plus élevée relevée est de 0,893 W/kg pour la tête et de 1,389 W/kg pour le corps.

La FCC et IC ont accordé une Autorisation d'équipement à cet appareil, avec tous les niveaux DAS indiqués conformes aux directives de la FCC et d'IC relatives à l'exposition aux radiofréquences. Les informations DAS concernant cet appareil ont été déposées auprès de la FCC et d'IC, et peuvent être consultées dans la rubrique des autorisations sur www.fcc.gov/oet/ea/fccid en recherchant l'identifiant FCC : CNFSBDC1, ainsi que dans la base de données Nomenclature du matériel radio du Canada sur <http://www.ic.gc.ca/app/sitt/reitel/srch/nwRdSrch.do?lang=eng> en recherchant le code 10193A-SBDC1.

Cet appareil est conforme aux spécifications DAS relatives aux limites générales d'exposition pour la population/dans les environnements non contrôlés définies dans la norme ANSI/IEEE C95.1-1999 et a été testé selon les méthodes de mesure et les procédures spécifiées dans le KDB 865664 D01.

ESD

Il est possible que l'appareil cesse d'enregistrer ou d'émettre des données après une décharge électrostatique. L'appareil doit être redémarré pour effectuer une restauration complète. Aucune perte de données ou de fonctions ne résultera de ce redémarrage.

REGULATORY INFORMATION

Europe	New Zealand	Singapore	Russia
	R-NZ	Complies with IMDA Standards DA103787	
Nigeria	Jamaica	Malaysia	Ukraine
Connection and use of this communications equipment is permitted by the Nigerian Communications Commission	This product has been Type Approved by Jamaica: SMA - SBDC1		

Thailand	China
This telecommunication equipment conforms to the requirements of the National Telecommunications Commission “เครื่องโทรคมนาคมและอุปกรณ์นี้ มีความสอดคล้องตามข้อกำหนดของ กทช.”	

GoPro, HERO, Karma, Session and their respective logos are trademarks or registered trademarks of GoPro, Inc. in the United States and other countries. © 2017 GoPro, Inc. All rights reserved. Made in China. Hecho en China. For patent information, visit gopro.com/patents. GoPro, Inc., 3000 Clearview Way, San Mateo CA 94402 | GoPro GmbH, Floessergasse 2, 81369 Munich, Germany

