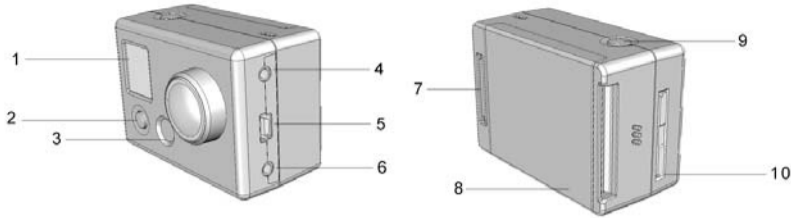


Consultez gopro.com pour une traduction des instructions.	翻訳された取扱説明書は gopro.com から入手できます。	Übersetzte Anweisungen sind unter gopro.com zu finden.
Visita gopro.com para las instrucciones traducidas.	Per le istruzioni tradotte in altre lingue visitare il sito gopro.com.	Visite gopro.com para a tradução das instruções.

HD HERO INSTRUCTIONS



1 - Status LCD Screen	5 - USB Port	9 - Shutter/Select Button
2 - Power/Mode Button	6 - Combo TV/Audio Out	10 - SD Card Slot
3 - LED Light	7 - HERO Bus™ Port	
4 - HDTV Out Port	8 - Battery Door	

! UPDATES FOR YOUR CAMERA MAY BE AVAILABLE AT GOPRO.COM. NEW FEATURES AND ENHANCEMENTS ARE REGULARLY AVAILABLE FOR DOWNLOAD, VISIT GOPRO.COM FOR MORE DETAILS.

Basics of Using your Camera

POWER/MODE BUTTON - Front of Camera

POWER/MODE button powers camera on and off and works as a mode switching button once camera is on.

Turn Camera On Press and hold the POWER/MODE button and the camera will turn on. The camera will beep 3 times, indicating the camera is powering on.

Turn Camera Off Press and hold the POWER/MODE button for 2 seconds. The camera will beep 7 times, indicating the camera is shutting off.

Changing Modes Once the camera is on, pressing the POWER/MODE button will change modes from video mode to self-timer, to photo mode, etc.

SHUTTER BUTTON - Top of Camera

Shutter button starts and stops video recording and photo capture. When in the SET menu of options the shutter button acts as a toggle button for changing settings. See the SETTINGS MENU section of these instructions for more information.

! THE BATTERY SHIPS PARTIALLY CHARGED. FOR BEST PERFORMANCE OF INITIAL USE, CHARGE BATTERY BEFORE FIRST USE. HOWEVER, NO DAMAGE WILL OCCUR TO BATTERY IF USED PRIOR TO CHARGING. SEE CHARGING SECTION.

STATUS LCD ICONS

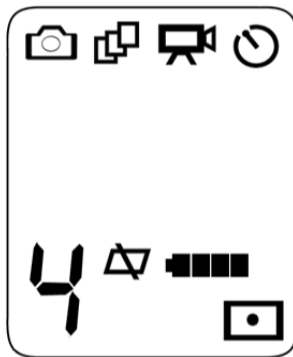


Photo Mode	Triple Shot Photo Mode	Video Mode	10 Second Timer Mode
Resolution Indicator	Delete Last/All Format SD Card	Battery Meter	Spot Meter Exposure ON



TO SHOOT VIDEO

Turn on camera by pressing POWER/MODE button. The camera will power on in VIDEO mode as the default mode. Default resolution is 960p (1280x960). See Settings Menu section to learn about resolutions. Press shutter button to begin recording video. Red LED light on front of the camera will blink while video is recording. Press shutter button to stop recording or camera will automatically stop recording when your SD card is full or your battery dies (approx 2.25 hours of battery life on a full charge).



USING 10 SECOND TIMER

Press the POWER/MODE button until you see the 10 SECOND TIMER icon. Press the SHUTTER button and the camera will automatically shoot a photo in 10 seconds. As series of beeps and flashing red LED light will indicate when the photo has been taken.



(blinking icon)

TO SHOOT PHOTOS EVERY "X" SECONDS TIME LAPSE MODE

Press POWER/MODE button until you see the blinking camera icon. The default timing is to shoot a PHOTO EVERY "2" SECONDS, automatically. Press the shutter button to start taking photos. Press the shutter again to stop. To change the timing to shoot a photo every 2, 5, 10, 30, or 60 seconds, see the SETTINGS MENU section of these instructions.



TO SHOOT SINGLE SHOT PHOTOS

Press the POWER/MODE button repeatedly until you see the solid, non blinking camera icon. Press SHUTTER button to take a photo. A beep will sound and red LED will flash to indicate a photo has been taken.



TO SHOOT TRIPLE SHOT SEQUENCE PHOTOS

Press POWER/MODE button until you see the triple shot icon on the front LCD status screen. Press the shutter button to shoot 3x photo-sequence in 2 seconds.

SETTINGS MENU



ENTERING THE SETTINGS MENU

Press the POWER/MODE button repeatedly until you see the **SEt** icon (above). Press the SHUTTER button to enter settings menu. Press the POWER/MODE button to cycle through options once in settings menu.

CHOOSING DEFAULT MODE AT POWER UP

You can program your camera to turn on in either Video mode, Photo mode, Triple Shot Sequence mode, or Photo Every "X" Seconds mode:

Symbol on LCD Screen	Function
F (default setting)	Video Mode (F means "Filming")
P	Single Shot Photo Mode
3	Triple Shot Photo Mode
PES	Photo Every "X" Seconds Mode

Press the SHUTTER button to toggle between choices.

Press the POWER/MODE button to save whichever setting is showing on the screen and continue to the next feature option.

CHOOSING VIDEO RESOLUTION

Your HD HERO camera shoots the following video resolutions:

Symbol on LCD Screen	Description	Resolution	Frames per Second	Suggested Use
r1	Wide Angle Standard Definition 16:9	WVGA (848x480)	60	when smaller file size is desired
r2	Widest HD Video 16:9 @ 30 fps	720p (1280 x 720)	30	when mounting on vehicles or gear, when a very wide angle is desired but vertical viewing area is not as important
r3	Widest HD Video 16:9 @ 60 fps	720p (1280 x 720)	60	same as r2 but with ultra slow motion playback
r4(default resolution)	Tallest HD Video Max Overall View 4:3	960p (1280 x 960)	30	when mounting on your body, helmet, surfboard or chest harness, this mode offers the most vertical viewing area of all resolutions
r5	Full HD Highest Resolution 16:9	1080p (1920x1080)	30	when vehicle or gear mounted, best choice for highest quality in-car filming. 25% narrower field of view (127°) compared to 170° view of other resolutions

NOTE: Above r1, r2, r3, r4, and r5 settings in the SET menu appear as 1, 2, 3, 4, and 5 (no "r") on the bottom left corner of LCD screen when *not* in the SET menu. See previous "STATUS LCD ICONS" drawing for an example of this.

Press the SHUTTER button to toggle between choices.

Press the POWER/MODE button to save whichever setting is showing on the screen and continue to the next feature option.

CHOOSING EXPOSURE SETTING

Choose between Spot Meter and Center Weighted Average Meter exposure settings depending on the lighting of your environment:

Symbol on LCD Screen	Function
Cnt (default setting)	Center weighted average meter is best for normal outdoor and indoor lighting conditions.
This icon appears on LCD when spot meter is active	Spot meter is primarily for shooting from inside of a car or other dark space looking out into a brighter outside setting. Spot meter adjusts the exposure for the absolute center of the scene, for example the road ahead instead of the interior of the car. If you are wanting optimum exposure of the <i>inside</i> of the car, filming mainly the driver for example, choose Cnt center weighted average to expose for the inside of the car.

Press the SHUTTER button to toggle between choices.

Press the POWER/MODE button to save whichever setting is showing on the screen and continue to the next feature option.

UPSIDE DOWN IMAGE CAPTURE (If your camera does not have this option, visit gopro.com to download a free update patch to obtain this feature.)

If you need to mount your camera upside down to get the perfect photo or video angle, you can program the camera to save the photo or video upside down so that it appears right side up when you review it on your computer or TV. This eliminates the need to "flip" the photo or video later on your computer.

Symbol on LCD Screen	Function
UP (default setting)	saves photos and videos in a normal "right side up" orientation
UPd	saves photos and videos upside down so that they appear right side up when you review on your computer or TV. The video camera and photo icons will blink quickly on the LCD screen to reminding you that you are saving photos and videos in upside down mode.

Press the SHUTTER button to toggle between the UP / UPd choices.

Press the POWER/MODE button to save whichever setting is showing on the screen and continue to the next feature option.

CHOOSING PHOTO EVERY 2, 5, 10, 30, 60 SECONDS TIMING

You can shoot a photo every 2, 5, 10, 30, or 60 seconds, ongoing, with the "Photo every X seconds" mode. When you see **P2** (photo every 2 seconds is the default setting), you can press the SHUTTER button to toggle the following options:

Symbol on LCD Screen	Function
P2 / P5 / P10 / P30 / P60	shoots photos in 2 / 5 / 10 / 30 / or 60 second intervals

Press the SHUTTER button to toggle between choices.

Press the POWER/MODE button to save whichever setting is showing on the screen and continue to the next feature option.

CHOOSING LED BLINKING ON / OFF

You can set the red LED light to blink while filming or to be off at all times, for stealth:

Symbol on LCD Screen	Function
bLO (default setting)	LED blinking ON
bLF	LED blinking OFF

Press the SHUTTER button to toggle between choices.

Press the POWER/MODE button to save whichever setting is showing on the screen and continue to the next feature option.

CHOOSING BEEPING SOUND ON / OFF

You can set the beeping sound to beep or be silent at all times, for stealth:

Symbol on LCD Screen	Function
bPO (default setting)	beeping sound ON
bPF	beeping sound OFF

Press the SHUTTER button to toggle between choices.

Press the POWER/MODE button to save whichever setting is showing on the screen and continue to the next feature option.

CHOOSING NTSC / PAL SETTING

This controls the video output of the camera when viewing on a TV.

Select **nSC** (NTSC) if viewing on a TV in North America. Choose **PAL** if viewing on a PAL TV (most televisions outside of North America), or if viewing on a **PAL** TV in any region.

Symbol on LCD Screen	Function
nSC (default setting)	NTSC TV setting for North America
PAL	PAL TV setting for most regions outside of North America.

Press the SHUTTER button to toggle between choices.

Press the POWER/MODE button to save whichever setting is showing on the screen and continue to the next feature option.

DELETE LAST FILE SAVED

When "LSt" is on the LCD screen, you can delete the last file saved to the SD card:

Symbol on LCD Screen	Function
LSt	To delete last file saved to camera, press SHUTTER button when LSt is on screen. LSt will start blinking as a warning.
LSt (blinking) TO CHOOSE NO DELETE	"LSt" will blink for 5 seconds. If you do nothing..."LSt" will stop blinking and the file will NOT be deleted. You can press the POWER/MODE button to advance to the next option in the SET menu.
LSt (blinking) TO CHOOSE YES DELETE	If you press the shutter button while LSt is blinking, you will deleted the last saved file from the SD card.

DELETE ALL FILES AND FORMAT SD CARD

When "ALL" is on the LCD screen, you can delete all files and format the SD card:

Symbol on LCD Screen	Function
ALL	To delete all files and FORMAT SD card, press SHUTTER button when ALL is on screen. ALL will start blinking as a warning.
ALL (blinking) TO CHOOSE NO FORMAT	"ALL" will blink for 5 seconds. If you do nothing..."ALL" will stop blinking and the SD card will NOT be formatted. You can press the POWER/MODE button to advance to the next option in the SET menu.
ALL (blinking) TO CHOOSE YES FORMAT	If you press the shutter button while ALL is blinking, you will format the SD card, losing all files and data. IMPORTANT: this will format your card and all data on the card will be deleted.

AUTO POWER OFF SETTING

You can program the camera to automatically turn off at **60, 120, 300** seconds, or you can set the camera to **OFF** to keep the camera on until you manually turn it off.

Symbol on LCD Screen	Function
OFF (default setting)	camera will only turn off if manually turned off
60	camera will turn off 60 seconds after last button press (unless recording video or shooting automatic photos)
120	camera will turn off 120 seconds (2 minutes) after last button press (unless recording video or shooting automatic photos)
300	camera will turn off 300 seconds (5 minutes) after last button press (unless recording video or shooting automatic photos)

Press the SHUTTER button to toggle between choices.

Press the POWER/MODE button to save whichever setting is showing on the screen and continue to the next feature option.

SETTING THE TIME AND DATE

You can set the time and date on the camera as long as the battery stays in the camera. Once the battery is removed the time and date settings will be lost:

Symbol on LCD Screen	Function
dAt	When you see "dAt" on the screen, press SHUTTER button to set the time and date.
Y09 - Y30	Press POWER/MODE button to toggle from Y09 (2009) to Y30 (2030). Press SHUTTER to advance to next date setting.
01 - 12	Press POWER/MODE button to toggle from 01 (January) to 12 (December). Press SHUTTER to advance to next date setting.
d01 - d31	Press POWER/MODE button to toggle from d01 (1st day of month) to d31 (31st day of month). Press SHUTTER to advance to next date setting.
H00 - H23	Press POWER/MODE button to toggle from H00 (12 a.m. military time) to H23 (11 p.m. military time). Press SHUTTER to advance to next date setting.
00 - 59	Press POWER/MODE button to toggle from 00 (zero minutes) to 59 (59 minutes). Press SHUTTER to advance to next date setting.

Once you select the "minutes" setting and press the SHUTTER button, you will return to the **Set** entrance for the settings menu.

EXITING THE SETTINGS MENU

When you see **ESC** on the screen, press the SHUTTER button to exit the SETTINGS MENU.

CONNECTIVITY / BATTERY CHARGING



SYSTEM REQUIREMENTS

The HD HERO camera is compatible with Microsoft® Me/2000/XP/VISTA or later, or Mac OS X 10.2 or later. The HD HERO camera can also be plugged into any standard definition or HDTV that has RCA or component (RGB) ports, allowing for high quality playback.

Windows System Requirements for Full HD 1080p and 720p 60 fps Playback:

- Microsoft Windows® XP (Service Pack 2 or later) or Vista
- 3.2 GHz Pentium 4 or faster
- Direct X 9.0c or later
- At least 1 GB of system RAM
- Video card with at least 256MB of RAM

Macintosh System Requirements for Full HD 1080p and 720p 60 fps Playback:

- Mac OS® X v10.4.11 or later
- 2.0 GHz Intel Core Duo or faster
- At least 1 GB of system RAM
- Video card with at least 128MB of RAM

If you are having problems achieving smooth playback on your computer, the HD HERO camera can also plug directly into any standard definition or HDTV that has RCA or component (RGB) ports. The HD HERO camera itself provides very smooth playback directly on a TV and when using component (RGB) cables for HD playback, the quality matches that of playing back on a computer.

USING SD CARDS

The HD HERO camera is compatible with 2GB, 4GB, 8GB, 16GB, and 32GB capacity SD and SDHC cards. While all speed cards work in the camera, GoPro recommends minimum Class 4 speed cards for reliability when shooting HD video. GoPro's own testing has shown improved reliability in high vibration activities with name brand SD and SDHC cards.

To insert the SD card, slide the SD card into the SD card slot on the side of the camera with the SD card label facing the front of the camera. The SD card will click into place once it is inserted **past** flush with the camera. Use your finger nail to do this.

To remove the SD card, push it further into the camera and it will spring out from the camera far enough so that you can pull it out.

TRANSFERRING VIDEO AND PHOTOS TO COMPUTER

On a PC with WINDOWS operating system:

- 1) Connect the camera to a computer with the included USB cable.
- 2) Turn on the camera by pressing POWER/MODE button. LCD screen will display "USB".
- 3) Double click on MY COMPUTER and you will see a "Removable Disk" icon. If you do not see this, close the MY COMPUTER folder and then reopen it and the "Removable Disk" icon should appear.
- 4) Double click the "Removable Disk" icon.
- 5) Then double click the "DCIM" folder icon.
- 6) Then double click the "100MEDIA" icon.
- 7) The photo and video files will be in the "100MEDIA" folder.
- 8) Drag your photo and video files to your hard drive or double click a file to view it.

On a MAC:

Simply plug the camera into your MAC with the included USB cable and the MAC OS will recognize the camera as an external hard drive.

IMPORTANT TIP FOR MAC USERS: When deleting files from your SD card you must empty the trash before removing the SD card or unplugging the camera. If you do not empty your trash the photo and video files will not be completely erased from your SD card.

CHARGING BATTERY

The LCD will blink a "bAt" message when the battery is low and the camera will save the file, if recording, and turn off. You must now charge your battery.

- 1) Connect the camera to a computer with the included USB cable.
- 2) Red LED on front of camera will turn on, indicating the battery is charging.
- 3) Red LED will turn off once battery is charged.
- 4) Battery will charge 80% in 2 hours when plugged into computer USB port. 100% charge after 4 hours total charging time.
- 5) Battery will charge 80% in one hour when using a 1000mAh USB compatible wall or car charger. 100% charge after 2 hours total charging time.

To charge battery and record video / photos simultaneously

A free downloadable update patch will allow you to charge the camera while simultaneously recording video or photos with the camera plugged into a wall or car charger. Visit gopro.com to learn more.

Wall and car battery chargers and additional batteries, including a Battery Bakpac secondary endurance battery, are available at gopro.com.

REMOVING BATTERY FROM THE CAMERA

The battery is designed to have a very tight fit to maximize reliability in high vibration activities. To remove the battery, squeeze the sides of the battery and pull it out of the camera. It is intentionally not easy to do, but the battery will come out.

In most cases it is not necessary to remove the battery. Please note, if you do remove the battery you will lose your time and date settings on the camera.

Additional batteries and charging accessories are available at gopro.com.

CONNECTING EXPANSION BAKPAC™ MODULES TO HERO BUS

The rear port on the camera is called the HERO BUS expansion port. Expansion "Bakpac" modules are available beginning early 2010, as accessories: a Battery Bakpac doubles recording times and an LCD Bakpac allows for preview and review of footage on the camera. Bakpac Expansion modules come with additional housing back doors that allow the Bakpac to fit inside the housing, maintaining waterproof performance.

CONNECTING CAMERA TO TV OR HDTV

Make sure your camera is set to the correct NTSC or PAL video setting or your camera will not work properly with your TV. This is explained in the SETTINGS MENU section of these instructions.

STEPS TO REVIEW PHOTOS AND VIDEO ON A TV OR HDTV

- 1) Plug your camera into the RCA or COMPONENT (RGB) ports on your TV or HDTV with the included cables. Icons on the side of the camera indicate which cables to use in which ports.
- 2) If plugging into an HDTV, use the RCA cables for sound while the COMPONENT (RGB) cables are for the HD video signal.
- 3) Once plugged in, turn on your camera.
- 4) The most recent video saved to the SD card will begin playing on the screen.
- 5) Press POWER/MODE button to advance to the next video. Press the SHUTTER button to return to the previous video.
- 6) To view photos, press *and hold* POWER/MODE button for 2 seconds to switch to photo playback mode.
- 7) Press POWER/MODE button to advance to the next photo.
- 8) Press the SHUTTER button to return to the previous photo.
- 9) Press and hold POWER/MODE button for 2 seconds to return to video playback mode, if desired.
- 10) Unplug camera from the TV and turn camera off when finished reviewing.