

MAX

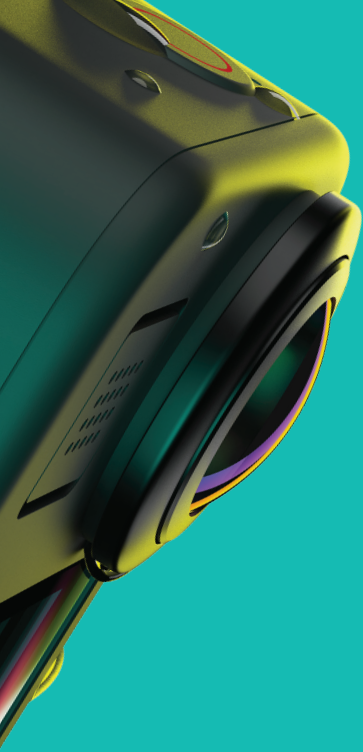


**Pocket Guide
2020**

The power of three cameras in one.

Shoot single-lens HERO-style video with unbreakable stabilization, or capture immersive 360 footage. Vlog like a pro with shotgun-mic performance and a front-facing screen.





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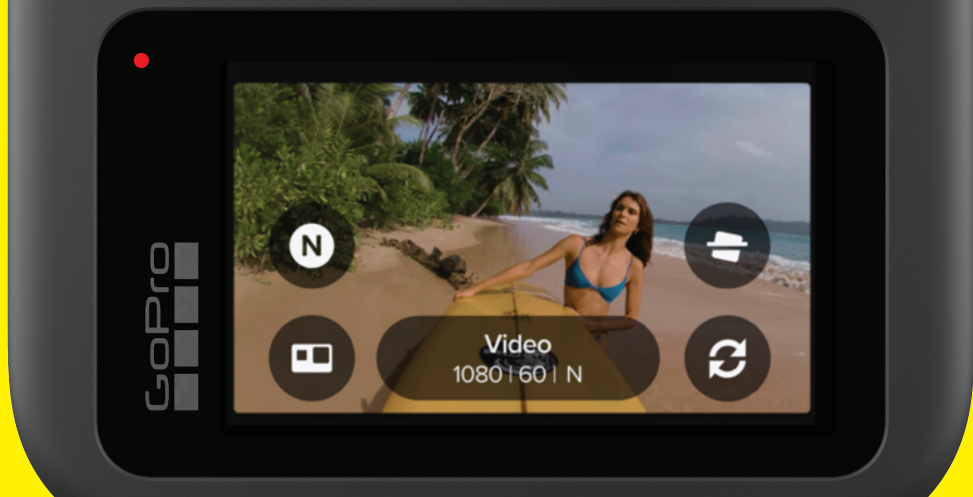
01 HERO mode.

MAX gives you the power to shoot traditional video and photos with either the front or back lens—plus immersive 360 footage.





PRO TIP: In HERO mode, mount MAX like a HERO camera. For a better shooting angle, mount MAX closer to the forehead on a helmet rather than directly on top.



HERO-Style Videos + Photos

Capture 1080p or 1440p videos and 5.5MP photos with either the front or back lens.

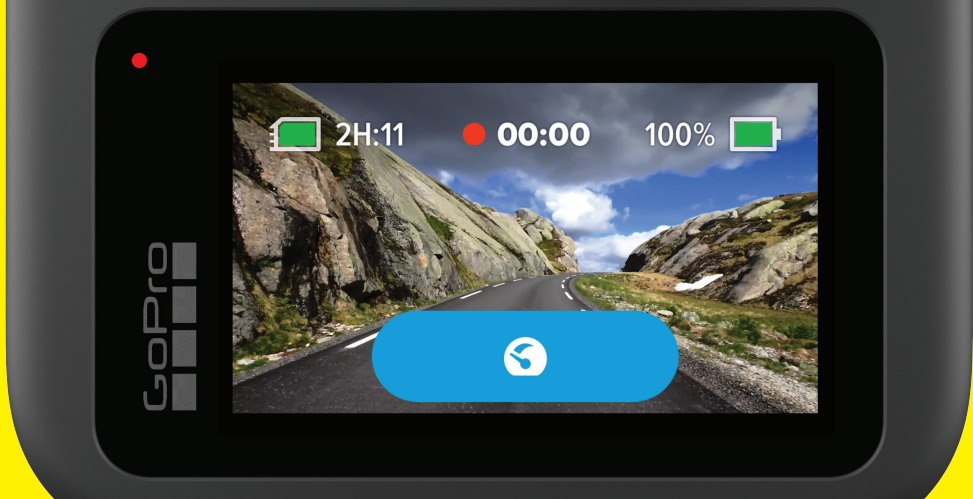
PRO TIP: Turn horizon leveling on to give your HERO mode footage an ultra smooth cinematic look with a level horizon , even if your camera gets flipped upside down while recording.



Max HyperSmooth

Unbreakable video stabilization delivers the smoothest shots possible.

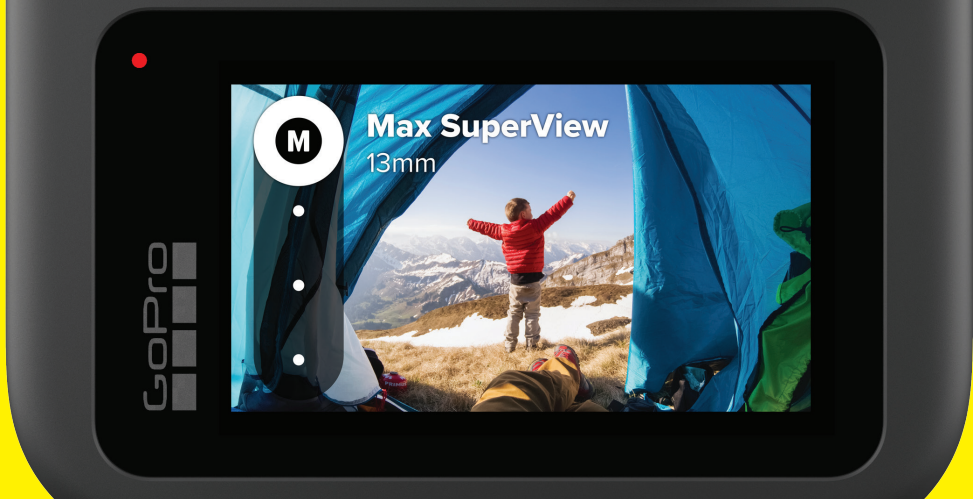
PRO TIP: Use horizon leveling on top of Max HyperSmooth to give your footage a buttery-smooth cinematic look.



Max TimeWarp

Speed up time by capturing ultra smooth time lapse video while you're on the move. Use the Auto setting to automatically set the capture speed for the best results.

PRO TIP: Use the Real Time button to slow down the TimeWarp effect and savor interesting moments, and then tap again to speed back up.



Digital Lenses

Digital lenses let you choose how much of the scene is captured by your camera. They affect the field of view, the cropping and the fisheye effect in your shot.

PRO TIP: HERO mode video gives you four digital lens options including Max SuperView, the widest and tallest field of view ever on a GoPro.



PowerPano

Take distortion-free 270° panoramic photos without having to scan the horizon. Great for landscape shots, extra-tall vertical shots, fast-action shots and epic selfies.

PRO TIP: For selfie group shots, make a semicircle around the camera to get everyone's facial expression in the shot.

Heads Up: The photo timer is set to 3 seconds to give you time to reposition your hand out of the shot after pressing the shutter button. PowerPano uses both lenses. Be sure to remove both lens caps before taking photo.



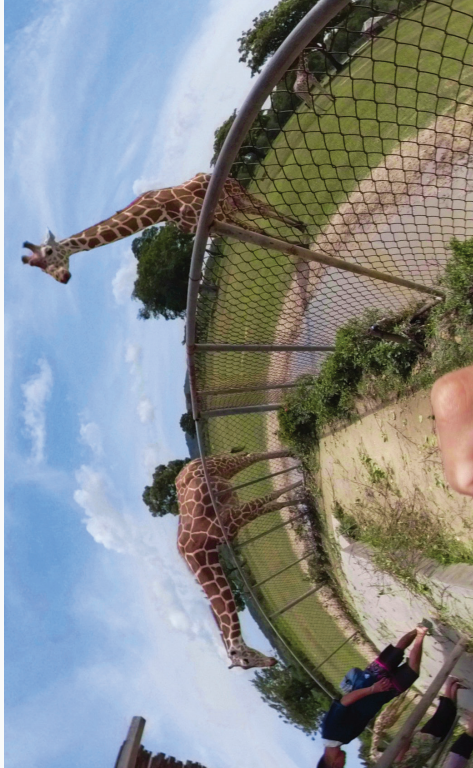
Audio Settings

Directional audio lets you prioritize sound from either side of the camera, no matter which lens you're using.

PRO TIP: For shotgun-mic performance, set the microphones to prioritize audio from either the front or the back of the camera. You can also set up the microphones to match the lens being used.

02 360 mode.

Use both lenses to capture everything around you as amazing spherical content, then reframe it as traditional video and photos.







360 Videos + 360 TimeWarp

Record ultra immersive videos that are captured in 6K and then stitched to create 5.6K spherical videos.

PRO TIP: Watch your 360 footage on the GoPro app to see your videos with full stabilization.



360 Photos

Take incredible photos that are captured in 18MP and then stitched to create 16.6MP spherical photos.

PRO TIP: Use Reframe in the GoPro app to create traditional photos from your 360 photos.



360 Audio

Setting	Description
360 + Stereo (default)	Record simultaneously in omni-directional and stereo sound
Stereo	Record only in stereo

PRO TIP: Wind-noise reduction is prioritized over the 360 audio settings. Turn wind-noise reduction off to be sure that your GoPro is recording with the audio setting you want.

Tips for Capturing 360 Content

- For the best results, mount MAX on the Max Grip + Tripod (sold separately). It was designed to shoot 360 content without getting in the shot.
- Even though MAX captures everything around you, aim one of the lenses directly at your subject for better footage.
- Keep subjects at least 19.7in (50cm) away from your camera for better stitching.

03 Vlog to the max.

Shotgun-mic performance and a front-facing screen make MAX a vlogging powerhouse.







Live Stream in 1080p

Shoot in HERO mode and share while you're there. Use the GoPro app to live stream in full HD with Max HyperSmooth stabilization. You can even save the footage to your SD card to check out later.



Framing the Shot

In HERO mode, set touch screen to show the view from either side of the camera. You can use it to frame yourself when you're talking to your audience or have it show what's in front of you so you can perfectly frame what you want them to see.



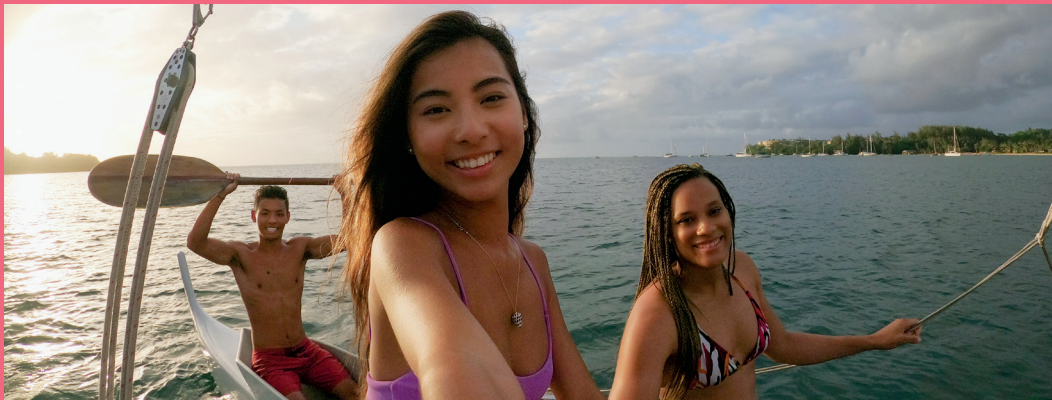
Reframing 360 Content

Use 360 mode to record everything in every direction, including the scene in front of you and your reaction at the same time. You can then use Reframe in the GoPro app to find, save and edit the best clips to create the ultimate vlog post.



Premium 360 + Stereo Audio

MAX uses its six microphones to deliver spherical surround sound not only from in front of and behind the camera, but also above and below it. The result is amazing audio that's just as immersive as the footage itself.





Shotgun-Mic Performance

In HERO mode, directional audio lets you prioritize sound from either side of the camera no matter which lens you're using. For example, you can shoot the scene in front of you, but prioritize the audio from behind the camera so your audience can hear your narration. You can also set your camera to sync the audio with the lens being used.

Changing Modes + Lens View

HERO Mode + 360 Mode



Tap the HERO/360 Mode Select on the  lower left of the capture screen to switch back and forth between HERO mode and 360 mode .

Swapping Lenses



Tap the Lens View on the lower right of the capture screen to switch back and forth between the view from the front and back lens.

Heads Up: In 360 mode you'll capture everything around you, but only see the view from the selected lens on the screen.

04 The GoPro app + Reframe.

Offload your latest HERO or 360 footage and start creating right away.



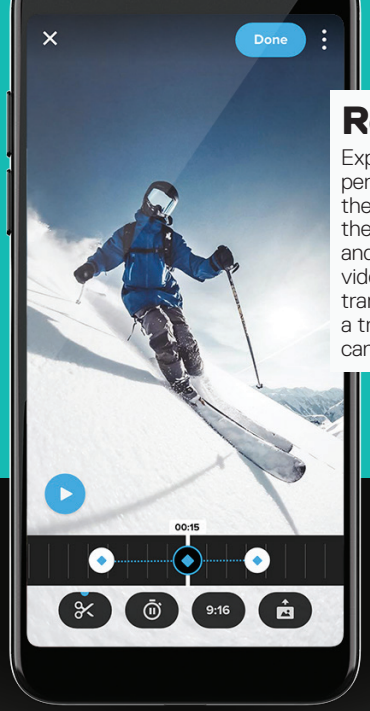


Reframe

Experiment with infinite perspectives, choose the best moments with the tap of a keyframe, and instantly create videos with cinematic transitions. Then get a traditional video you can share.

Trim

Trim for the parts you want in your videos and cut out the rest.



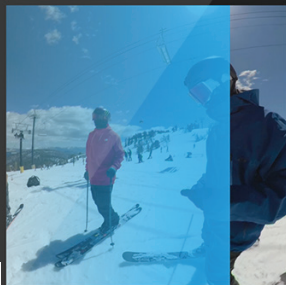
Play Back

View all videos and photos from your GoPro MAX camera on your phone.

Export

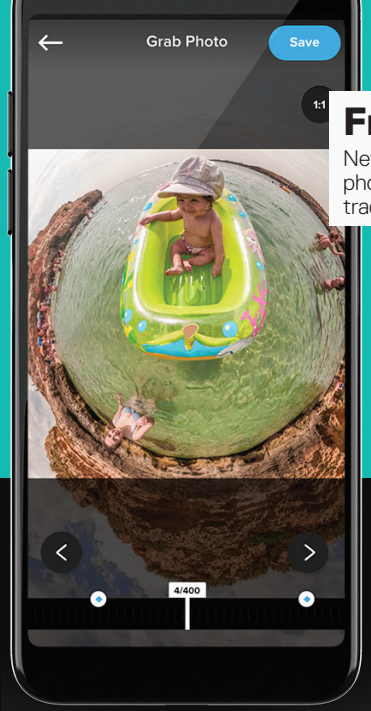
Export traditional and spherical content as .mp4 files for editing and sharing.

Rendering Video 75%



Saving video to your app media gallery

Cancel

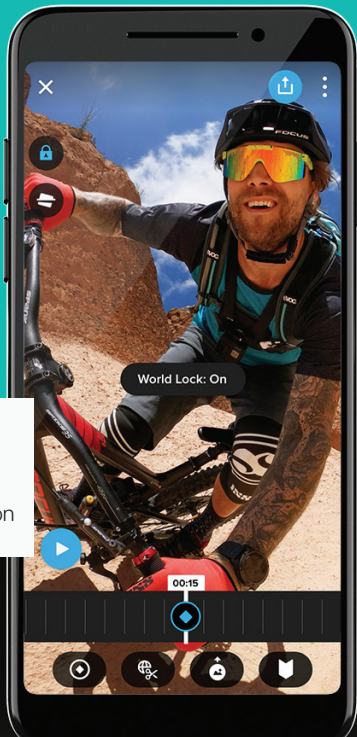


Frame Grab

Never miss a moment. Grab a photo from any frame of your traditional or 360 video.

World Lock

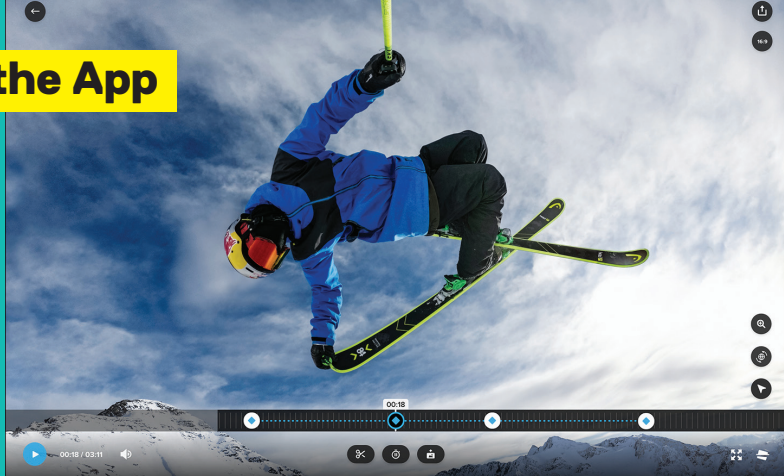
Use World Lock to set the orientation of your 360 videos and minimize rotation in your MAX footage.





Editing with the App

Setting Keyframes

Use keyframes to create dramatic transitions and highlight the best moments in your 360 videos.



1. Save a 360 video to the GoPro app media gallery.
2. Play back your video and look for a spot where you want to set a keyframe.
Tap  when you find it.
3. Add as many keyframes as you want to your video.
4. Tap  to see your video.
5. Tap save to render your video.

PRO TIP: You can zoom in, zoom out and change angles throughout your video.

Transition Settings

Choosing Transitions

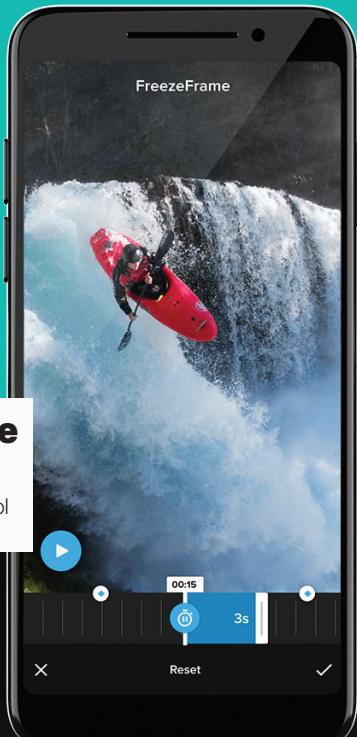
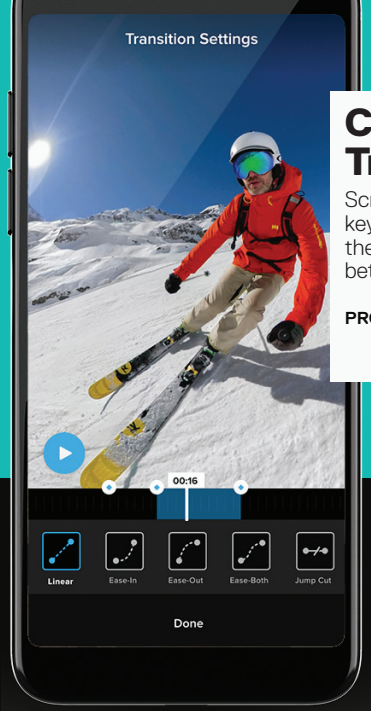
Scroll to a point between two keyframes and tap «◆ to choose the type of transition you want between the keyframes.

PRO TIP: Try Ease Both to set up the smoothest transition between shots.

Using Freeze Frame


Pause and extend a cool shot by tapping ⏸.

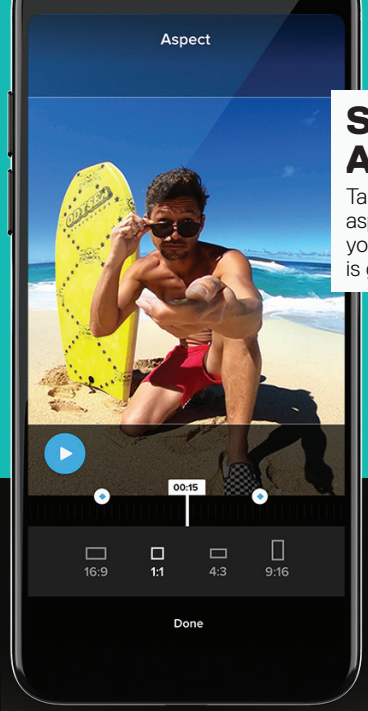
FreezeFrame



Aspect

Selecting Aspect Ratio

Tap  to select the best aspect ratio for the platform you're using. For example, 9:16 is great for Instagram Stories.



GoPro Player.

For macOS® 10.14 Mojave or later.

Transform your 360 footage into epic traditional videos and photos you can edit and share. Use Reframe to experiment with views and choose the best shots with a click of a keyframe—instantly creating cinematic transitions.

Reframe
Export + Edit
Convert 360 Videos
Frame Grab
Horizon Leveling
World Lock
Freeze Frame
Trim
Playback

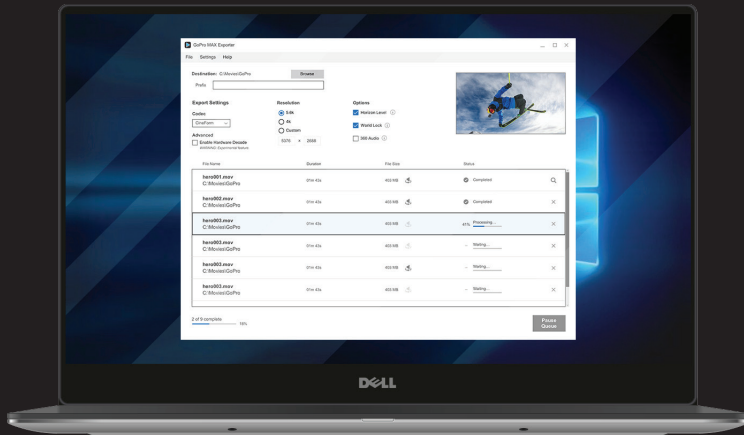


GoPro MAX Exporter.

For Windows® 10 or later. Requires graphics card that supports HEVC decoding and at least 6GB RAM.

Prep your GoPro MAX 360 videos for the next step in creating epic edits when you export standard spherical .mp4 files that play nice with some of your favorite editing programs.

Export MP4 Files
Convert 360 Videos
Horizon Leveling
World Lock
Batch Export



GoPro FX Reframe.

A plugin for Adobe® Premiere® Pro and Adobe® After Effects®.



- Experiment with infinite perspectives when you reframe—pan, tilt, rotate, and zoom—and animate movement with the ease of keyframes.
- Control the level of motion blur in the transitions between your keyframes.
- Quickly adjust lens curvature to give your photos and videos the look you want.
- Manually adjust the horizon in your HERO and 360 photos and videos.
- Choose from preset output resolutions and aspect ratios dialed for sharing on social.

Compatibility:

- Adobe Premiere Pro 2018 and later
 - Adobe After Effects 2018 and later
 - Mac and Windows: See Adobe Premiere Pro and After Effects system requirements for more info.
 - OpenGL-compatible graphics processor
- GoPro FX Reframe is currently in beta. It's been thoroughly tested by our internal studio team, but it hasn't been tested on a wider range of computer configurations. Help us improve this plugin by sharing feedback at **gopro.com/support**.

MacBook

Learning Assembly Editing Color Effects Audio Graphics Libraries

no clip) Effect Controls Audio Clip Mixer: CHAMPCAR_VIDEO_570002-360Audio_SK6P24 Metadata

Master: CHAMPCAR_VIDEO_570002-360Audio... CHAMPCAR_VIDEO_570002-360Audio_SK6...

GoPro EX Reframe

Projection GoPro HD 16:9 (1920x1080)

Source Operations

- Pan (Camera) -10.9 °
- Tilt (Camera) -46.7 °
- Rotate (Camera) 24.5 °
- Lens Curve (Camera) 0.00
- Zoom (Camera) 26.59

Advanced Controls

- X Offset (Camera) 0.00
- Y Offset (Camera) 0.00
- Second Camera
- Sync Keyframes ☒
- Motion Blur ☒
- Shutter Angle 180.00

Audio 1

00:00:04:15

Program: CHAMPCAR_VIDEO_570002-360Audio_SK6P24

00:00:04:15 Full 00:00:27:10

Project: Reframe Media Browser Libr

Reframe:preproj 1 of 2

CHAMPCAR_VIDEO_570002-360Audio_SK_ 27:10

CHAMPCAR_VIDEO_570002-360Audio_SK6P24 How TV

V1 V2 V3 V4 Video 1




A1 A2 A3 A4 Master 0.0

00:00:04:15 00:00:04:23 00:00:09:23 00:00:14:23 00:00:19:23 00:00:24:23

05 HERO mode go-to settings.












Photo

-  **Lens:** Max SuperView
-  **Timer:** 3 Seconds
-  **Shutter:** Auto
-  **EV Comp:** -0.5
-  **White Balance:** Auto
-  **ISO Min:** 100
-  **ISO Max:** 100-400
-  **Sharpness:** Low
-  **Color:** GoPro



PowerPano

-  **Timer:** 3 Seconds
-  **Horizon Leveling:** On
-  **Shutter:** Auto
-  **EV Comp:** -0.5
-  **White Balance:** Auto
-  **ISO Min:** 100
-  **ISO Max:** 100-400
-  **Sharpness:** Low
-  **Color:** GoPro


Video

 **Resolution:** 1440p60


 **Lens:** Max SuperView
(Choose Linear for more stabilization without the fisheye effect)


 **Max HyperSmooth:** On

 **Clips:** Off

 **Horizon Leveling:** On

 **Bit Rate:** High

 **Shutter:** Auto

 **EV Comp:** -0.5

 **White Balance:** Auto

 **ISO Min:** 100


 **ISO Max:** 100-400

 **Sharpness:** Low

 **Color:** GoPro


 **Mics:** Match Lens
(Change based on preference or use case)

 **Wind:** Auto

 **RAW Audio:** Off in most cases
Low for vlogging










PRO TIP: When using HyperSmooth in low-light situations, bump the max ISO to 400 or higher. This will set your camera to use more digital gain to lighten the scene before using longer exposures.

TimeWarp

-  **Resolution:** 1440p
-  **Lens:** Linear
-  **Speed:** Auto
-  **EV Comp:** -0.5
-  **White Balance:** Set to preferred
-  **ISO Min:** 100
-  **ISO Max:** 100-400
-  **Sharpness:** Low
-  **Color:** GoPro

PRO TIP: Matching ISO Min and ISO Max reduces exposure drift/variance.

Time Lapse



-  **Lens:** Max SuperView
-  **Interval:** 0.5 Seconds
-  **Format:** Photo
-  **EV Comp:** -0.5
-  **White Balance:** Auto
-  **ISO Min:** 100
-  **ISO Max:** 100-400
-  **Sharpness:** Low
-  **Color:** GoPro



06 360 mode go-to settings.














Photo


-  **Timer:** 3 seconds
-  **Shutter:** Auto
-  **EV Comp:** -0.5
-  **White Balance:** Auto
-  **ISO Min:** 100
-  **ISO Max:** 100-400
-  **Sharpness:** Low
-  **Color:** GoPro




Video


-  **Resolution:** 5.6K30
-  **Clips:** Off
-  **Shutter:** Auto
-  **EV Comp:** -0.5
-  **White Balance:** Auto
-  **ISO Min:** 100
-  **ISO Max:** 100-400
-  **Sharpness:** Low
-  **Color:** GoPro
-  **360 Audio:** 360 + Stereo
-  **Wind:** Auto

TimeWarp


 **Resolution:** 5.6K

 **Speed:** 15x

 **EV Comp:** -0.5

 **White Balance:** set to preferred

 **ISO Min:** 100

 **ISO Max:** 100-400

 **Sharpness:** Low

 **Color:** GoPro

PRO TIP: Matching ISO reduces exposure drift/variance.



Learn more.

Check out the GoPro channel on YouTube for MAX info. Go to **youtube.com/user/GoProCamera**.

Visit the GoPro Support Hub for more MAX tips and tricks. Go to **community.gopro.com**.