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HERO12 Black: Video Settings And Resolutions

Sep 6, 2023 Knowledge

Listed below are the video settings that are available with the HERO12 in a number of modes. To ensure that all video modes and settings are available, ensure your camera has been updated to the latest firmware via a [manual update \(https://gopro.com/en/us/update/hero12-black\)](https://gopro.com/en/us/update/hero12-black) or via [GoPro Quik](https://gopro.com/en/us/shop/quik-app-video-photo-editor). For information on changing your settings in the camera, please visit our [How To Use Presets \(https://community.gopro.com/s/article/Using-Presets?language=en_US\)](https://community.gopro.com/s/article/Using-Presets?language=en_US) article.

Click an option below to learn more:

- [Pro Controls](#)
- [Easy Controls](#)
- [Max Lens Mode with Max Lens 2.0](#)
- [Max Lens Mode with Max Lens 1.0](#)

Pro Controls:

Image Dimensions:

The width and height of the image (in pixels) for the different Aspect Ratios are:

16:9

- 5.3K: 5312×2988
- 4K: 3840×2160
- 2.7K: 2704×1520
- 1080p: 1920×1080

4:3

- 4K: 4000×3000
- 2.7K: 2704×2028

8:7

- 5.3K: 5312×4648
- 4K: 3840×3360

9:16

- 4K: 2160×3840
- 1080p: 1080×1920

Video Mode Aspect Ratio settings:

16:9 Aspect Ratio info:

- Zoom in Wide and Linear. 2x zoom for 1080p (except for 240fps). 1.4x zoom for resolutions 2.7K and above.
- HyperSmooth options: AutoBoost, On, Off (Off not available with Linear + Horizon Leveling).
- Variable Bit Rate: The more complex the scene and the longer the recording, the higher the bit rate.

Resolution	FPS	Digital Lens Options
5.3K	60/50	SuperView, Wide, Linear, Linear+Horizon Leveling
5.3K	30/25	HyperView, SuperView, Wide, Linear, Linear+Horizon Lock
5.3K	24	HyperView, SuperView, Wide, Linear, Linear+Horizon Lock
4K	120/100	SuperView, Wide, Linear, Linear+Horizon Leveling
4K	60/50	HyperView, SuperView, Wide, Linear, Linear+Horizon Lock
4K	30/25	SuperView, Wide, Linear, Linear+Horizon Lock
4K	24	SuperView, Wide, Linear, Linear+Horizon Lock
2.7K	240/200	Wide, Linear, Linear+Horizon Leveling
1080p	240/200	Wide, Linear, Linear+Horizon Leveling
1080p	120/100	SuperView, Wide, Linear, Linear+Horizon Lock
1080p	60/50	SuperView, Wide, Linear, Linear+Horizon Lock
1080p	30/25	SuperView, Wide, Linear, Linear+Horizon Lock
1080p	24	SuperView, Wide, Linear, Linear+Horizon Lock

4:3 Aspect Ratio info:

- 2.7K resolution: 120/100/60/50fps.

- 1.4x zoom in Wide and Linear.
- HyperSmooth options: AutoBoost, On, Off.
- Digital Lens Options: Wide, Linear, Linear+Horizon Lock
- Variable Bit Rate: The more complex the scene and the longer the recording, the higher the bit rate.

8:7 Aspect Ratio info:

- Resolutions/Frame Rates:
 - 5.3K/30/25/24fps
 - 4K/60/50/30/25/24fps
- Digital Lens: Wide.
- Zoom: 1.4x.
- HyperSmooth options: On, Off.
- Variable Bit Rate: The more complex the scene and the longer the recording, the higher the bit rate.

9:16 Aspect Ratio info:

- Resolutions/Frame Rates:
 - 4K/60/50/30/25/24fps
 - 1080p/60/50/30/25/24fps
- Zoom:
 - 1.4x in 4K
 - 2x in 1080p
- HyperSmooth options: On or Off.
- Variable Bit Rate: The more complex the scene and the longer the recording, the higher the bit rate.

Max Lens Mode with Max Lens Mod 2.0

Max Lens Mode 16:9 Aspect Ratio info:

- Horizon Lock is supported.

Resolution	FPS	Digital Lens Options
4K	60/50	Max HyperView, Max SuperView, Wide
4K	30/25	Max HyperView, Max SuperView, Wide
4K	24	Max HyperView, Max SuperView, Wide
1080p	120/100	Max SuperView, Wide
1080p	60/50	Max SuperView, Wide
1080p	30/25	Max SuperView, Wide
1080p	24	Max SuperView, Wide

Max Lens Mode 4:3 Aspect Ratio info:

- Resolution: 4K
- Frame Rates: 60/50/30/25/24
- Digital Lens Options: Max SuperView and Wide

- Horizon Lock supported

Max Lens Mode 9:16 Aspect Ratio info:

- Resolutions/Frame Rates:
 - 4K/60/50/30/25/24fps
 - 1080p/120/100/60/50/30/25
- Digital Lens Options: Max SuperView and Wide
- Horizon Lock supported

Max Lens Mode with Max Lens Mod 1.0**Max Lens Mode 16:9 Aspect Ratio info:**

- Resolutions/Frame Rates:
 - 2.7K/60/50/30/25/24fps
 - 1080p/60/50/30/25
- Digital Lens Options: Max SuperView and Wide
- Horizon Lock supported

Max Lens Mode 4:3 Aspect Ratio info:

- Resolutions/Frame Rates:
 - 2.7K/60/50/30/25/24fps
- Digital Lens Options: Max SuperView and Wide
- Horizon Lock supported

Easy Controls:**Video Mode Resolutions are:**

- Highest Quality: 5.3K
- Standard Quality: 4K
- Basic Quality: 1080p

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