

GoPro Hero 10 Black Overheating Test (firmware as of October 1st, 2021)

Camera Mode	Location	Temperature	Hero 10	
Resolution/FPS	Indoors/Outdoors	Ambient Temp	Overheat	Time of death
5K/60 Wide 16:9	Indoors	72°F	Yes	23:49
5K/60 Wide 16:9	Indoors	70°F	Yes	18:07
5K/60 Wide 16:9	Indoors	70°F	Yes	22:33
5K/60 Wide 16:9	Indoors No Door	75°F	Yes	22:18
5K/60 Wide 16:9	Indoors No Battery	75°F	No	55:58
5K/60 Wide 16:9	Fridge	39°F	No	44:40
5K/60 Wide 16:9	Freezer	4°F	No	44:07
5K/60 Wide 16:9	Outdoors Bike	71°F	No	42:02 (Battery)
5K/60 Wide 16:9	Outdoors Bike	74°F	No	29:42 (Half-Battery)
5K/60 Wide 16:9	Hot box - Airflow	100°F	Yes	20:47
5K/60 Wide 16:9	Hot box - No Airflow	100°F	N/A	9:42 (fell off ledge)
5K/30 Wide 16:9	Hot box - Airflow	101°F	No	36:40 (half-battery)
5K/30 Wide 16:9	Hot box - No Airflow	101°F	Yes	23:31
5K/30 Wide 16:9	Hot box - Airflow	104°F	No	1:04:00
5K/30 Wide 16:9	Hot box - No Airflow	104°F	Yes	27:59
5K/30 Wide 16:9	Underwater (no dive case)	Surface water temp: 66°F	No	1:03:00
5K/30 Wide 16:9	Dive case	Surface water temp: 66°F	No	1:07:00
5K/30 Wide 16:9	Indoors	70°F	Yes	1:00:00
5K/30 Wide 16:9	Indoors	76°F	Yes	37:09
5K/30 Wide 16:9	Outdoors Bike	71°F	No	1:09:00
4K/120 Wide 16:9	Indoors	71°F	Yes	19:06
4K/120 Wide 16:9	Outdoors Bike	70°F	No	29:01
4K/60 Wide 16:9	Indoors	71°F	Yes	28:39
4K/60 Wide 16:9	Indoors	71°F	Yes	28:14
4K/30 Wide 16:9	Indoors	76°F	Yes	48:26
4K/30 Wide 16:9	Indoors	70°F	Yes	1:00:00
2.7K/60 Wide 16:9	Outdoors Still W/Wind	54°F	No	1:22:00
2.7K/60 Wide 16:9	Indoors	71°F	Yes	40:11
1080p/60 Wide 16:9	Outdoors Still W/Wind	54°F	No	1:18:00
1080p/60 Wide 16:9	Indoors	71°F	No	1:09:00 (not full battery)
1080p/60 Wide 16:9	Indoors	71°F	Yes	43:31
1080p/30 Wide 16:9	Indoors	71°F	No	1:56:00
1080p/30 Wide 16:9	Indoors	71°F	No	2:03:00
Timelapse 4K/0.5S	Indoors	71°F	No	(9:00 TL) is 2hr 5mins
Timelapse 4K/0.5S	Outdoors Static	72°F	No	(7:38 TL) is 1hr 55mins
Timewarp	Outdoors Bike	70°F	No	Over 70+ mins (I stopped early)

Note: Data compiled by dcrainmaker.com or [YouTube.com/dcrainmaker](https://www.youtube.com/dcrainmaker)