

To the Members of the UAV Industry Group

We are excited to introduce a great new benefit for the Group. In February, we arranged unique access to a new technology that delivers significant new flexibility and capabilities to our UAV community. A company called Back-Bone Gear is offering us their technology at a discount — more on that below. Their kits are proven and already in use by NASA, Blue Origin, SpaceX, National Geographic, and GoPro production teams using UAVs.



For some, Back-Bone's *Ribcage* technology may enable valuable new UAS business opportunities; for all of us, it puts the choice of camera lens, filters and an option for more than one camera on a flight back in our hands, affordably.

What Back-Bone Does

Back-Bone was borne out of the blockbuster motion picture visual effects industry, which sought to solve the problem of merging standard camera lenses and filters with the new generation of very small high-fidelity cameras. Back-Bone developed solutions to these problems (*Ribcage*), patented them, and now delivers full lens and filter exchangeability with modified GoPro Hero's, YI 4K+'s and Sony RXO's. Plus, they offer the ability to 'untether' the lens/sensor from the Hero4 camera body by up to 12 inches.

That means market leading 4K 60 frames per second video ("fps") with no lens restrictions — and there are new, cost efficient lenses with exceptional capabilities that are light and might be exactly what you need. Note that one 4K 4:3 video clip provides a virtually infinite number of 12 megapixel still photos — the best of both worlds from the same flight.

In March 2018, Back-Bone will be delivering HD 1000 fps for those that need extreme slow motion. ***1000 fps is essentially unheard of in cameras that cost less than \$10,000.*** Their modified RXO also delivers 4K 30 fps, if higher resolution is more important.

For the more adventurous, Back-Bone enables (i) 360 VR/AR (ii) the ability to capture imaging from below an inspection target, (iii) stereoscopic vision, (iv) a practical solution to flying with more than one 4K camera, (v) infrared, night vision and NDVI imaging and (vi) dramatically improved 'low light' imaging with their modified Sony RXO.

We all know that the right lens makes the shot! And Back-Bone offers us lens and filter choice with market leading market specs in a small, light camera.

We suspect that many in the Group will find new, creative ways to take advantage of all this. GoPro decided not to 'play' with DJI and other UAV manufacturers with their Hero5 and Hero6, so using those on UAS with proprietary cameras 'built in' is a challenge. There are solutions for most applications, but if you have a special need there is a space on Back-Bone's webpage to submit your question — they will get back to you as soon as possible.

Our Special Deal

Through May 3rd, the members of our Group are eligible for a 10% discount from the retail price for purchases of Back-Bone cameras ("Kits") — or an even better Group discount if the kit is

specifically for the GoPro Hero6. They have set up a page in their store specifically for us to make it easy (see below).

And stay tuned: we are exploring the possibility of helping Back-Bone create a footage contest for some kind of additional prize.

OK, What Now?

If you're a drone owner / operator that has been waiting for something like this to come along, visit Back-Bone's website to find the kit for you. Then, **use the discount codes provided on our Group sub-page when ordering** to enjoy our Group discount.

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| Kit Website | https://www.back-bone.ca/ |
| UAV Industry Group Discount (expires May 4 th , 2018) | https://www.back-bone.ca/uavindustry/ |

...or anywhere

Kit Video: on a 3DR Solo with a GoPro Hero4 Black...



(click here)



(click here)



See more?
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YI