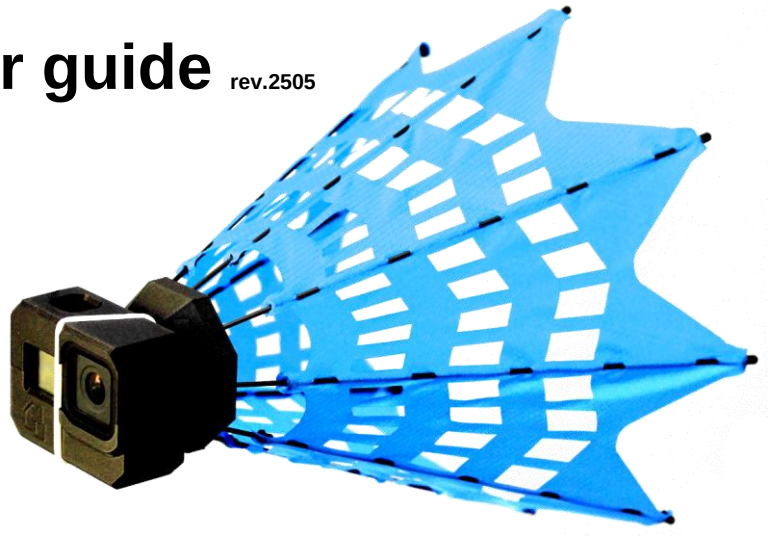
Chase XC

user guide rev.2505



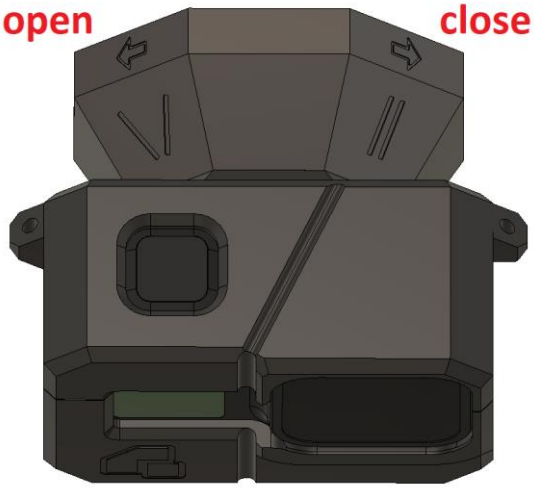
SkyBean Chase XC is the next generation of our original product, flying behind pilot, developed to record awesome videos or photos. Its body is truly foldable without any assembly or disassembly needed – it is **ready to fly in 5 seconds! Just twist the tail!**

Compatibility

Chase XC is produced in six versions:

- **Universal with GoPro rail** has integrated GoPro rail holder, what fits also for most of other cameras. Therefore this version is fine if you haven't found specified one for your camera
- **DJI Osmo Action 3-5 pro** is made for 3, 4 and 5 models of this camera only.
- **GoPro Hero Black 9-13** is made for GoPro **9, 10, 11, 12 and 13** Black cameras only.
- **Insta360 X2, X3 and X4** models are made for these cameras only.
- **UNI flat** is an universal model compatible with all action cameras in weight range 50 – 200 g

Preparation for flight



Put camera into front cage, called head, secure it by white silicone ring on 5 – 8 models and place it into its groove next to the lens. 9 – 13 head version doesn't use white ring, as top part of head is self-locking while tail is opened.

- **Open/unfold** – When Chase XC is facing to you, rotate its tail counterclockwise until tail is fully opened. After that, marks and arrows on octagonal tail body will be symmetrical at top.
- **Close/fold** – When Chase XC is facing to you, rotate its tail clockwise until tail is fully closed and carbon rods are in parallel position.
- If you forget the direction of rotation to open/close, arrows and marks representing opened/closed tail will help you.
- **UNI versions** setup: Attach adhesive camera mount to flat front plate between arms on **UNI flat** model only. Put camera into mount upside down to place camera's center of gravity below aerodynamic axis, which runs through

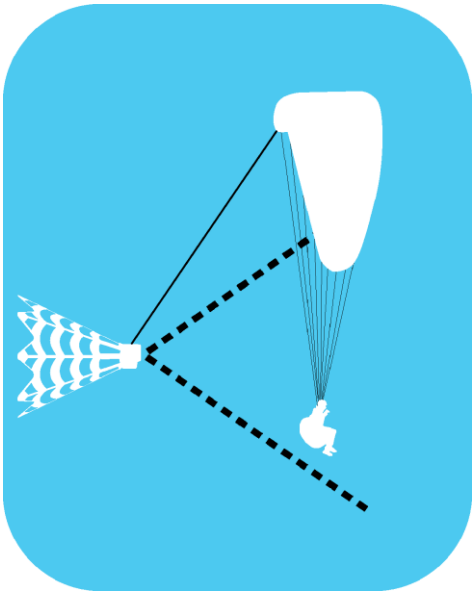


center of the holder. Top side of holder's body is where black lines run out of arms. If you plan to use GoPro camera, we recommend to use the Mounting Buckle on picture above and also included **M5x20 bolt** instead of original GoPro Thumb Screw to avoid risk of line tangle into screw. Set angle of camera to slightly up by 5-15° and tighten bolt by 4 mm Allen key. Then choose hanging position on arms chasecam to balance it. Static position of Chase XC should be slightly facing up. Don't worry if pitch angle is 20 to 30°, moving air will immediately put chasecam into horizontal position.



Rope adjustment and attachment

Bungee rope length must be adjusted to achieve the best possible footage**.** Pull bungee rope through short silicone tube at the end of loop to adjust its length. We recommend 1.5 m shorter rope than glider's lines including risers. The point is to set length to fit pilot to bottom and glider to top of the scene (see picture). To avoid turbulence air behind the pilot, don't set bungee rope too long. **Particularly PPG pilots should avoid too long rope, due to real possibility that chasecam can hit revolving propeller during landing!** Use wide setting of your camera, we recommend 16:9 format with **hyperview lens**. Hang chasecam on one of the middle brake connection eyes on canopy trailing edge. As there are left and right center brake lines, doesn't matter which one you choose.



Launch

There are several options on how to take-off with Chase XC.

- **Assisted take-off** - This is the best option to get awesome shot during take-off, if there is somebody helpful available. The assistant should stay behind prepared wing in some distance to fit you and the glider into scene. Be sure when asking somebody to assist, that she/he will hold the chasecam lightly and understand she/he will **must release** it after you will move forward to launch!
- **Rocket launch** – In perfect take-off conditions with light wind and suitable take-off surface (without sharp stones) you can use the "rocket launch". Place the chasecam facing camera lens up, in the middle between pilot and trailing edge of the glider.
- **Harness launch** – If you are not sure about smooth launch or if you are time stressed on take-off place by many pilots waiting for launch, use the harness launch. Prepare everything on the side of take-off place and put folded Chase XC into its transport pocket, attached to harness or carabiner by its blue eye at top. After launch, when you are away from take-off air space and you are safely sitting in the harness, unfold and release chasecam. Don't forget to smile into recording camera before it flies out :)

Tips and tricks

- Once you launch, you cannot touch your camera, so we recommend to use remote control during long XC flights. You will save power and you can capture just interesting and nice footage from your flight, e.g. 30s clips are a good choice.
- Chase XC is single paragliding chasecam product on the market, which was tuned to capture whole glider into scene on trim speed, which is for most glider across all performance classes the same – 10 m/s (36 kph) using large tail. If you push speed bar, increased speed will produce more drag, so chasecam will fly further behind you, so wing in scene will be smaller.
- Set camera to 16:9 ratio using the widest lens – **superview** on 9-10 or **hyperview** on 11-13, so picture will use whole CMOS sensor.

Bungee rope

The pilot should check the integrity of the bungee rope before each flight. Do not use it in case of any cracks, splits or scratches! We recommend to change the bungee rope annually in case of frequent use (more than 100 h).

Tension fuse

Some PPG or speed wings pilots use to fly proximity style (aggressively very close to obstacles, like trees, buildings or just to each other). In this case, there is a real danger that flying chasecam can get stuck or tangle somewhere. For this reason, we include 2 tension fuses, which hold chasecam safely during normal flight, but will break under extreme force and release stuck chasecam. In normal flight chasecam produces drag around 2.5 N @ 40 kph (10 N @ 100 kph). We tested drag up to 200 kph, when tension fuse starts to open at 20 N of drag. If you decide to use it, disconnect two small keyrings close to attachment hook and place tension fuse between them (PPG picture). In case you fly speed wing, place both tension fuses in parallel configuration (speed wing picture). Always keep in mind – Better to loose camera with chasecam than face an accident.



standard



PPG



speed wing

Safety notes

We spent lot of time with chasecams development to reach the most stable behavior in the air. We tested them for several years during normal paragliding flight conditions without any dangerous situation. However, any official safety tests are missing (because there is no standard for testing this type of gear), we did most of SIV maneuvers without any problem (you can watch the video on our YouTube channel). Even though:

- We cannot guarantee your inviolable safety, so every pilot uses SkyBean Chase XC at her/his own risk. No member of SkyBean team is responsible for non-standard situations or injuries.
- Before each flight, check condition of Chase XC, bungee rope and tension fuse to prevent losing your gear.
- If you don't fully trust adhesive camera mount on UNI Flat version, we recommend to secure camera with short line attached through one of two holes in the base plate.
- Responsibility for any damages or injuries to third parties is completely covered by pilot of paragliding glider while using SkyBean Chase XC.

Content of package

- Chase XC with bungee rope
- 2 tension fuse rings
- durable transport pocket
- sticker

Physical parameters

- weight 150 g (without camera)
- standard – length 29 cm, diameter 24 cm
- large – length 33 cm, diameter 27 cm
- bungee rope length 6.5 m

NOTE: Adhesive camera mount for **UNI flat** version **IS** included.

Contact information

If you have any further questions, please visit our webpage **skybean.eu** or contact us via email at **info@skybean.eu**. Please share your experiences with us, we are looking forward to your feedback!

Despite the Chase XC is the leading top class product in field of paragliding chasecams, we still continue with development and product improving. Therefore we time to time modify its design, so explanatory pictures in this user manual or at our web may be slightly different than purchased product.

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rev. 2505