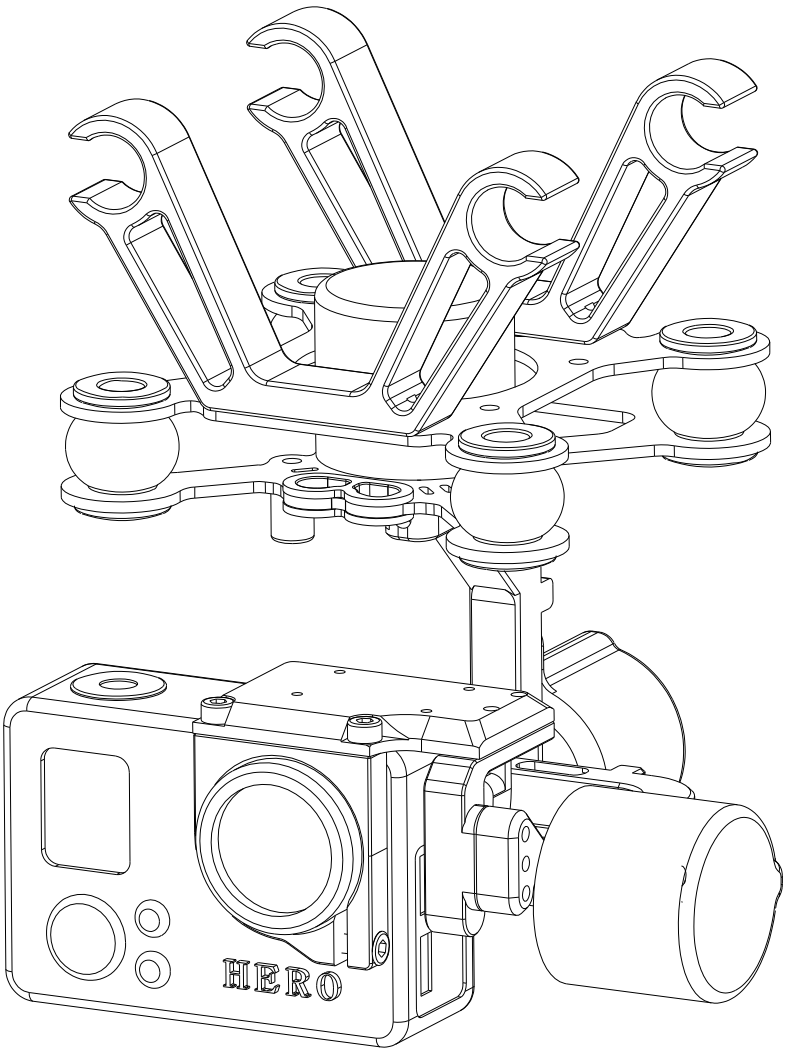
G3-3D 3Aixs Gimbal

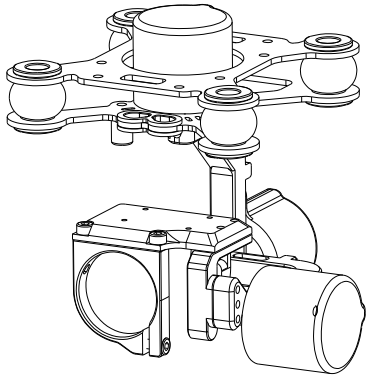
User Manual V1.2

2015.07.10



In The Box

Gimbal Kit X 1



Gimbal Control Unit, GCU X 1



UBEC X 1

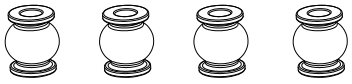


Input Voltage Range：LiPo (3S~6S，11.1V～26.0V)

Vibration Absorbers 30° X 4(Grey)



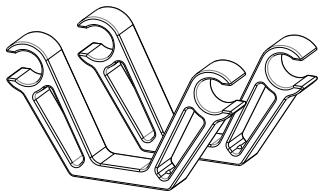
Vibration Absorbers 40° X 4 (Black)



Vibration Absorbers 50° X 4 (Red)



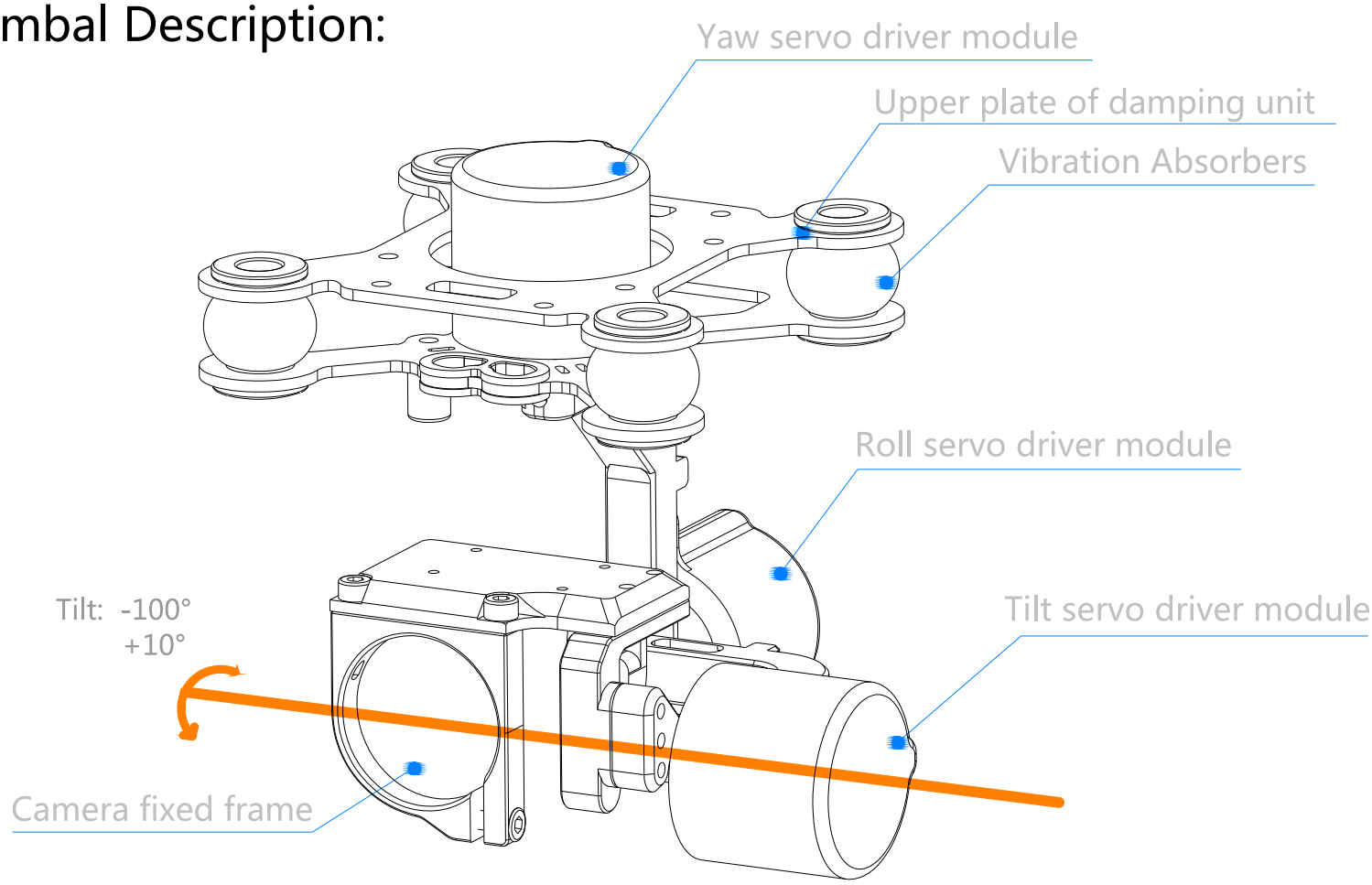
Gimbal Fixed Seat X 2



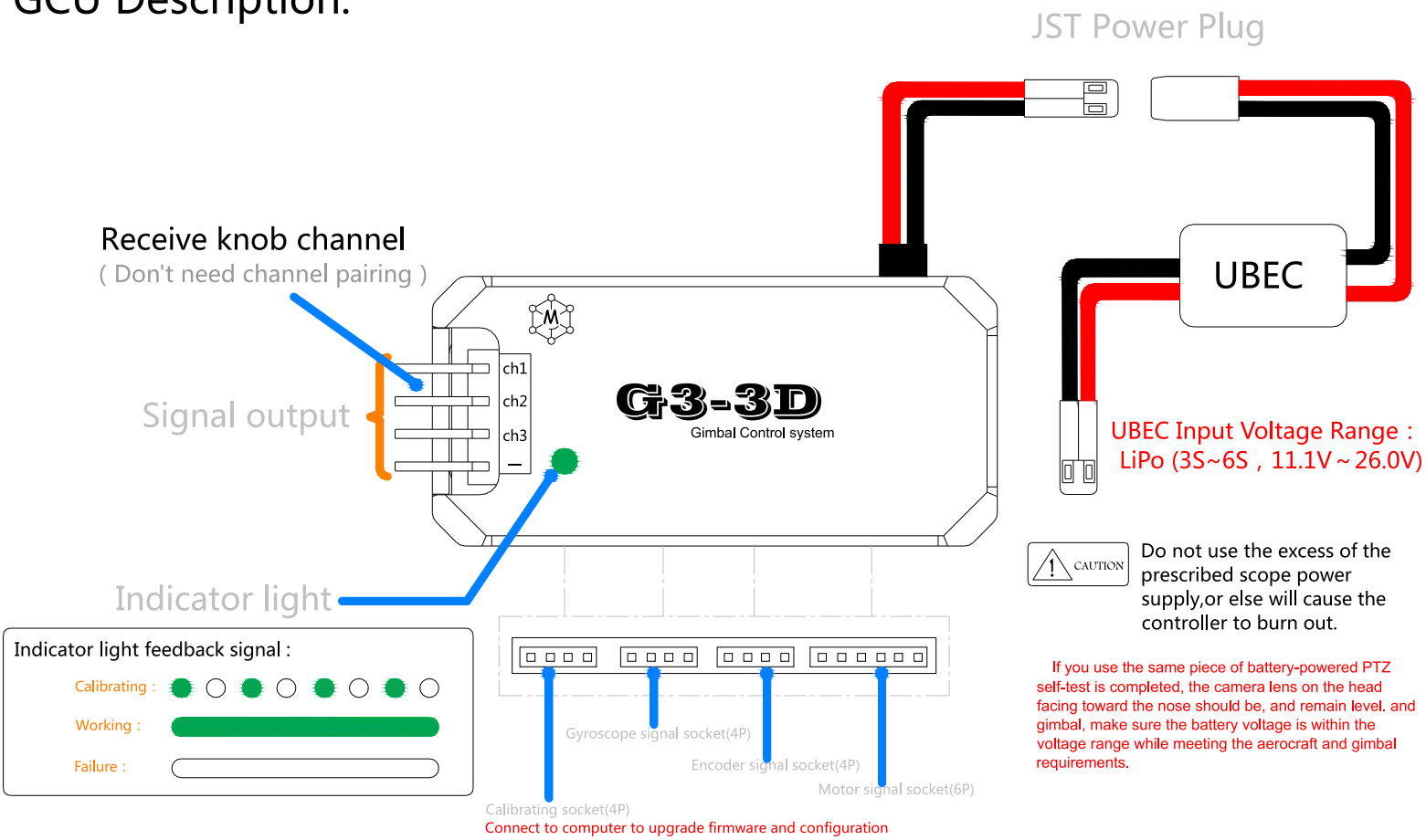
Balancer nut X 1



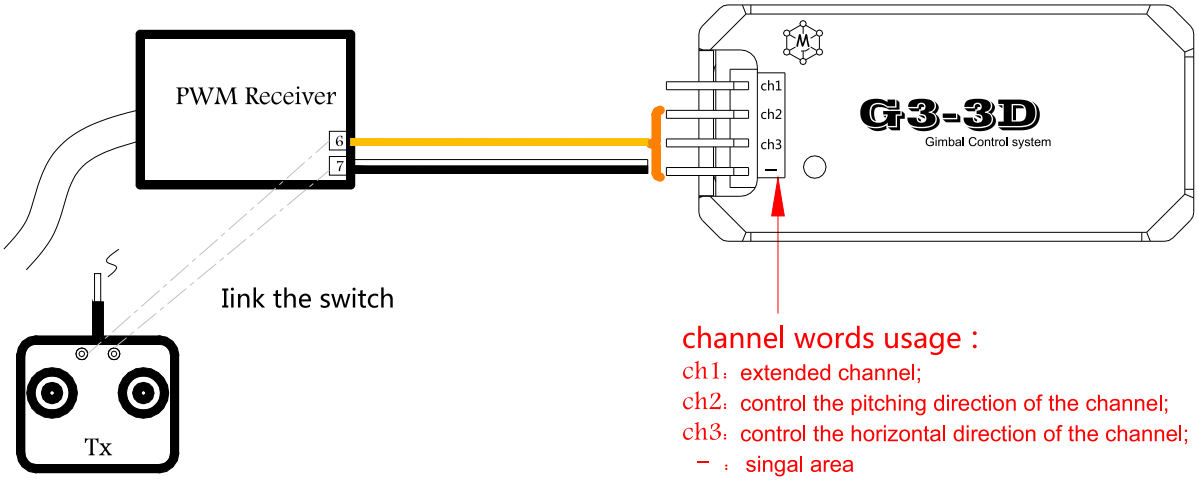
Gimbal Description:



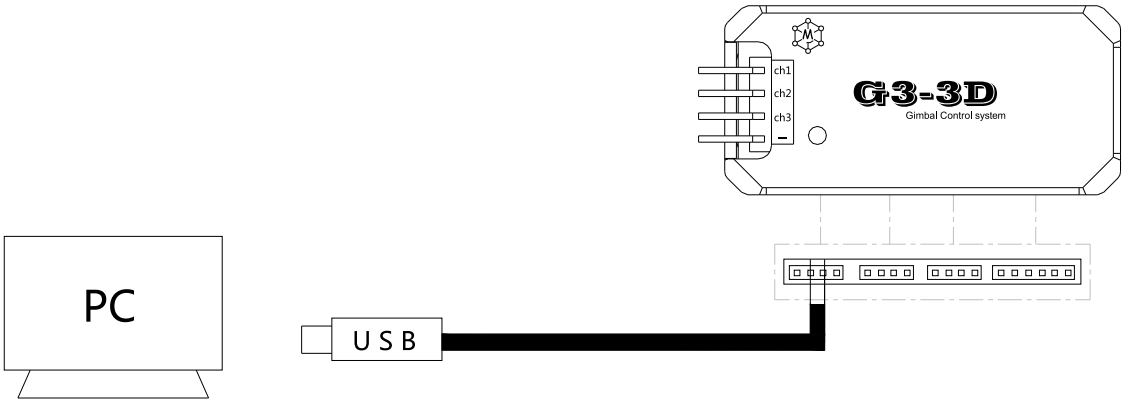
GCU Description:



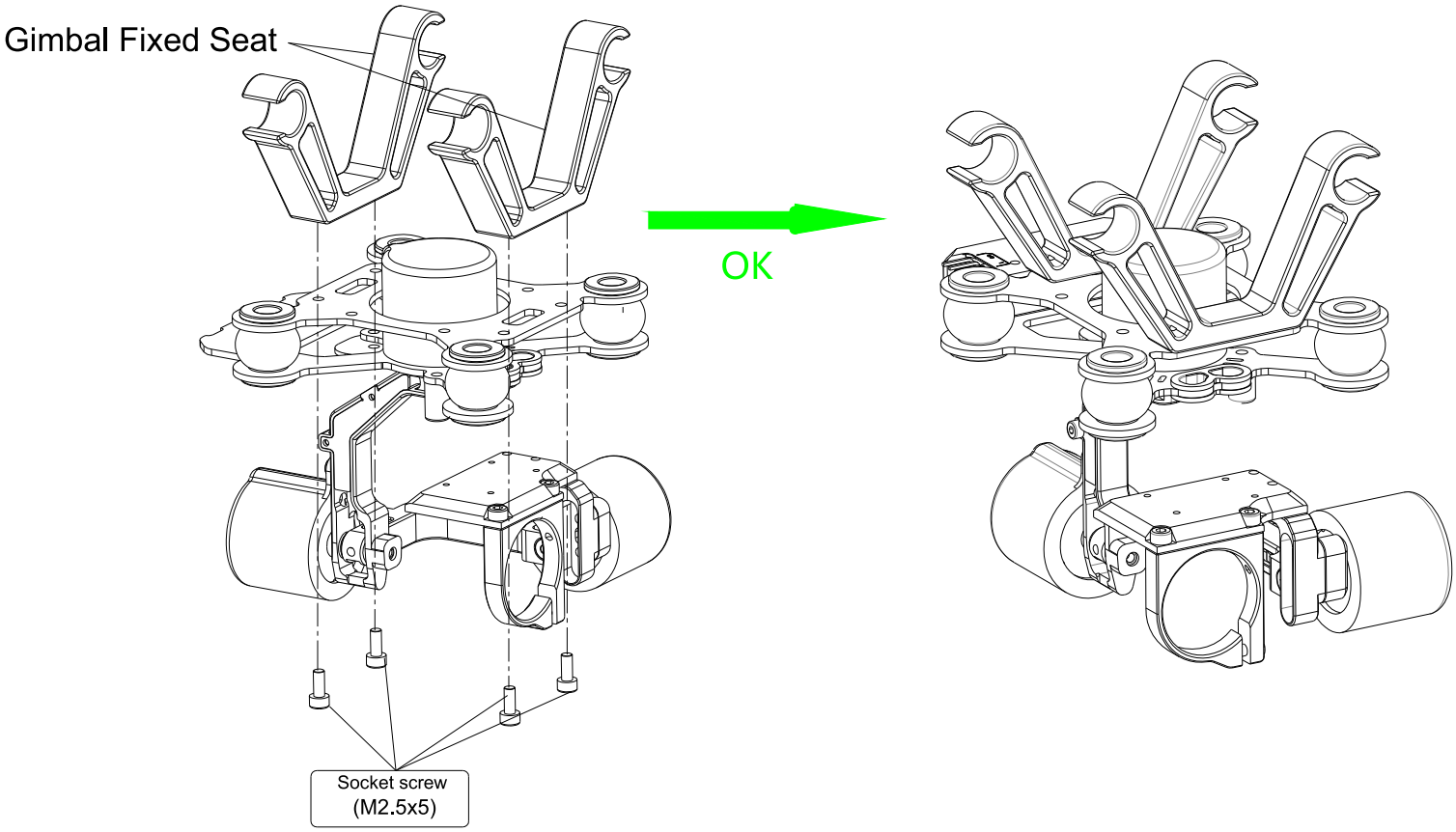
1.1 GCU and Receiver Connection Description



1.2 GCU and PC Connection Description

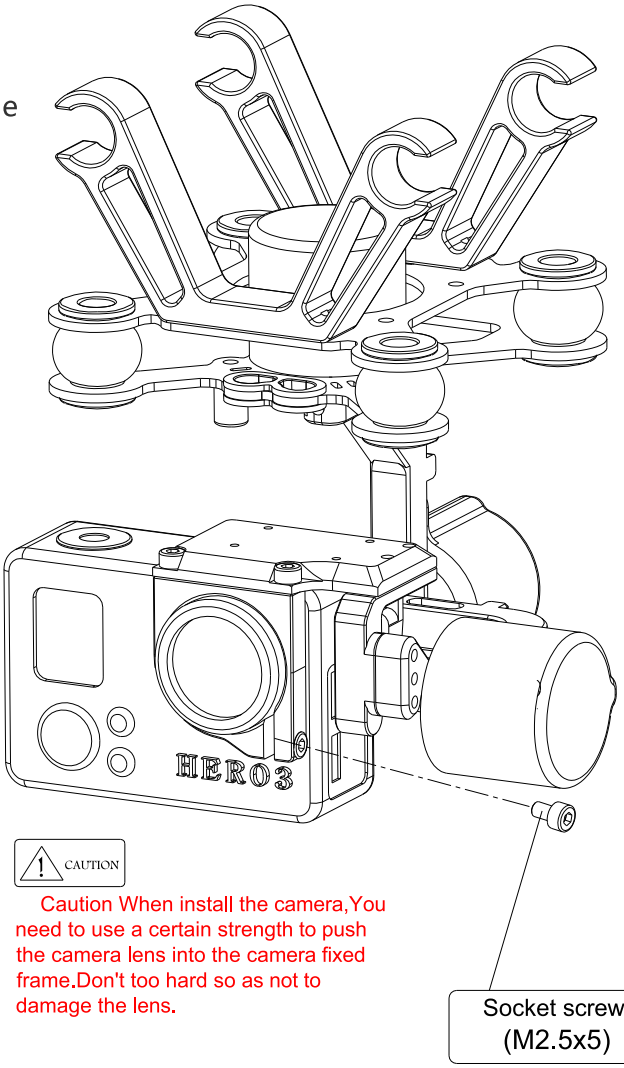


2.0 Install Gimbal Fixed Seat



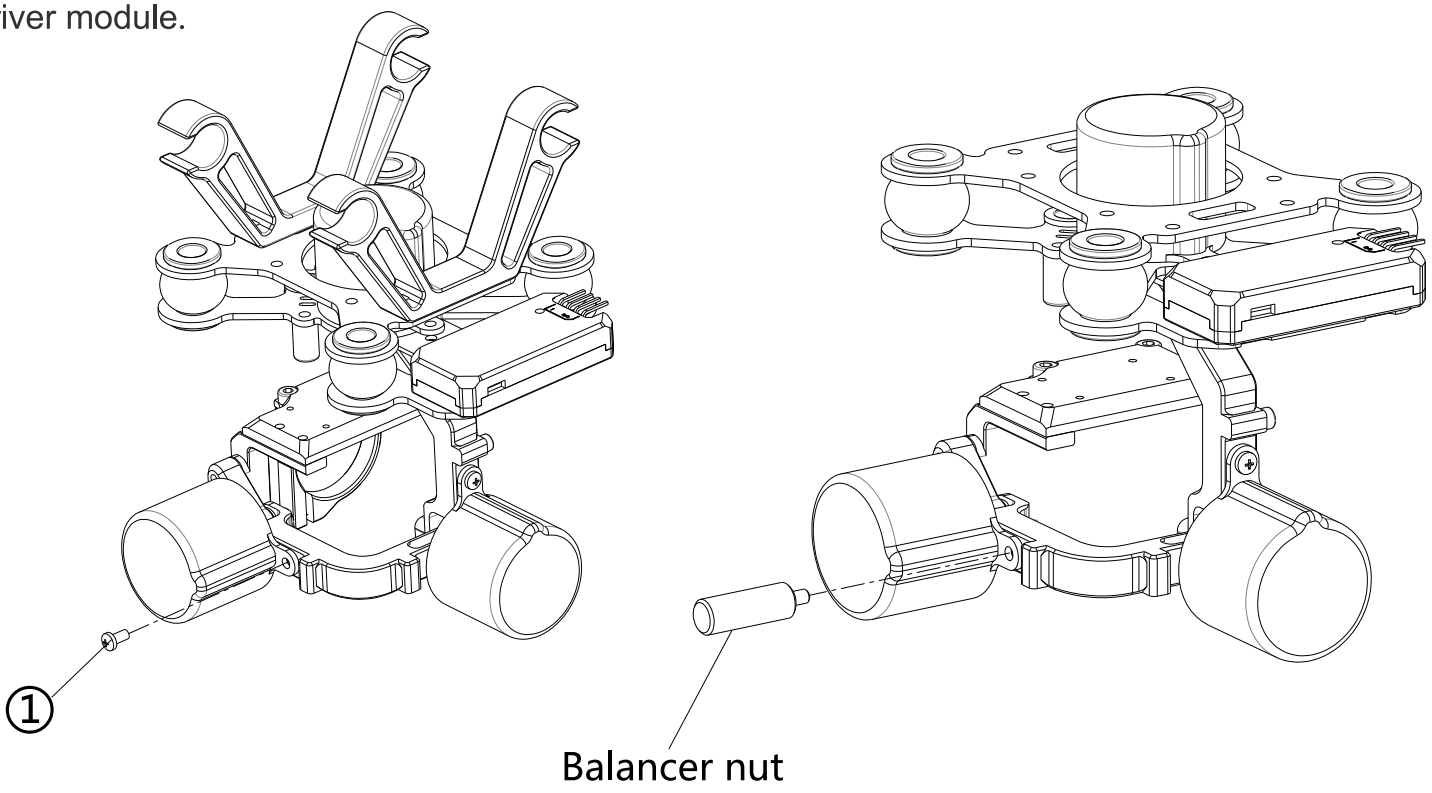
2.1 Install Gopro 3-series cameras

1.Camera embeds into the camera fixed frame;
2.Adjust and screw down the screws.

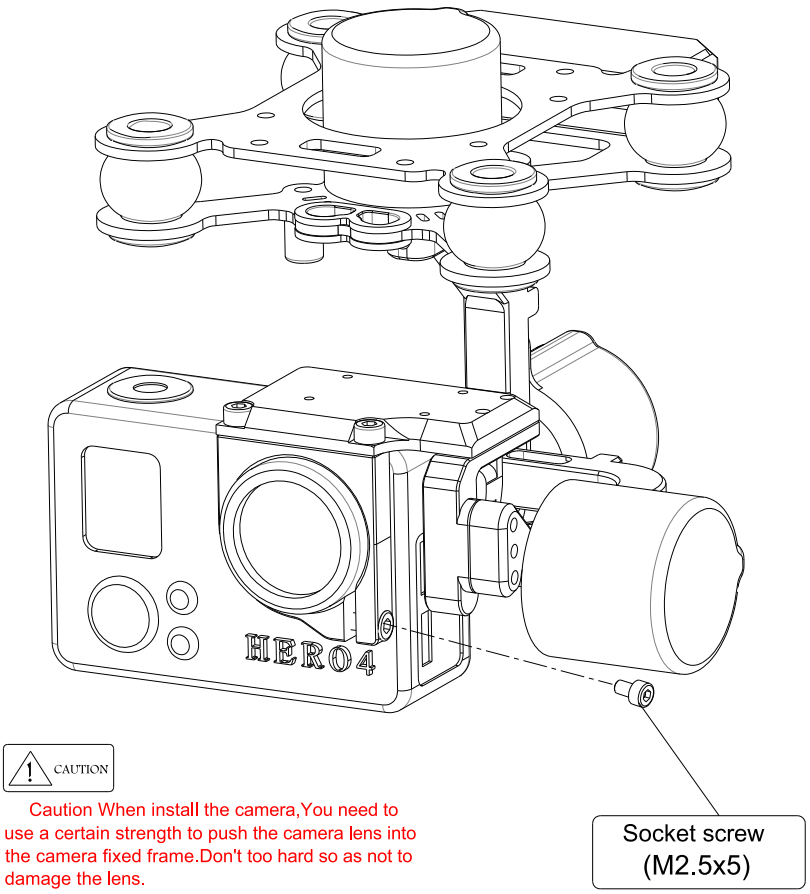


2.3 Install Gopro 4-series cameras

1.As shown in the pictures , screwed up the screw.
2.locking the balancer nut into the tilt servo driver module.



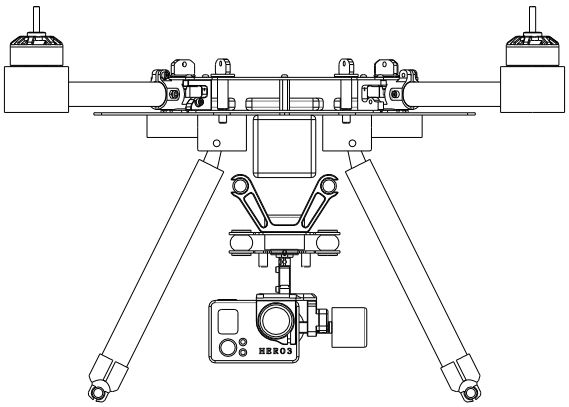
3.Camera embeds into the camera fixed frame.
4.Adjust and screw down the screws.



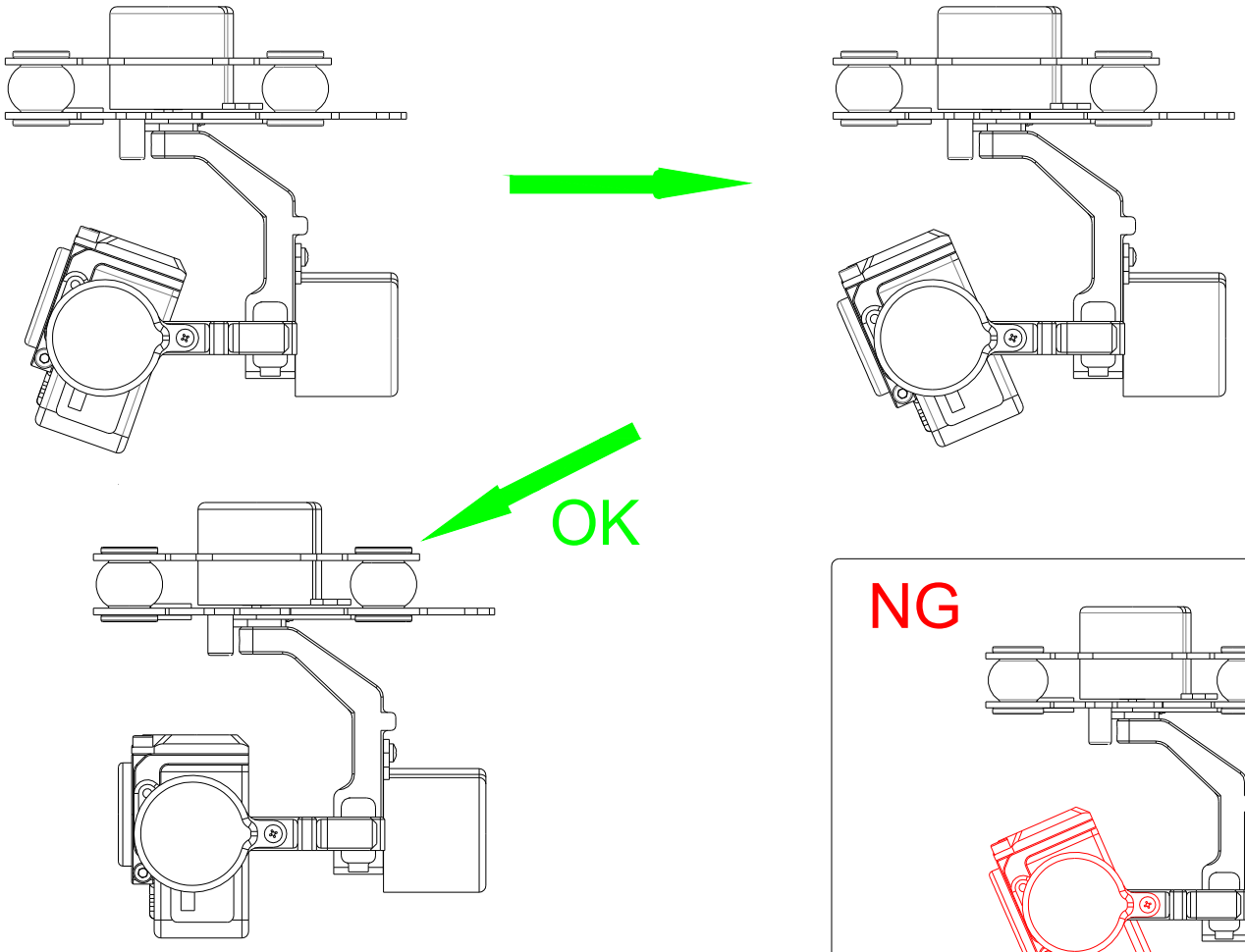
3.0 Using:

Step1: Hanging the gimbal into the aircraft.
Step2: Check all connections to ensure good condition.
Step3: Power on (within a predetermined range.
Step4: Keep the gimbal horizontal when it power on.
Step5: After power on ,the gimbal will calibrate automatically and three motors will rolling at the same time.(It taks 15 seconds to finished the self-calibration,meanwhile, don't touch the gimbal and camera.)
Step6: During the automatic calibration,the three gimbals will spin in one direction slowly, it is normal.
Step7: After the automatic calibration, make sure the camera and the head of the aircraft point to the same direction,and remain level.
Step8: Gimbal stops moving means calibration is finish (and GCU green light always being on), you can use gimbal.
Step9: Switch the channel or the operating mode, and make sure it is working well.
step10:G3-3D support pitch axis control, please follow the instructions above to connect the receiver and gimbal , wait until the GCU indicator light flashing after 15 seconds,it will control the angle of pitching.

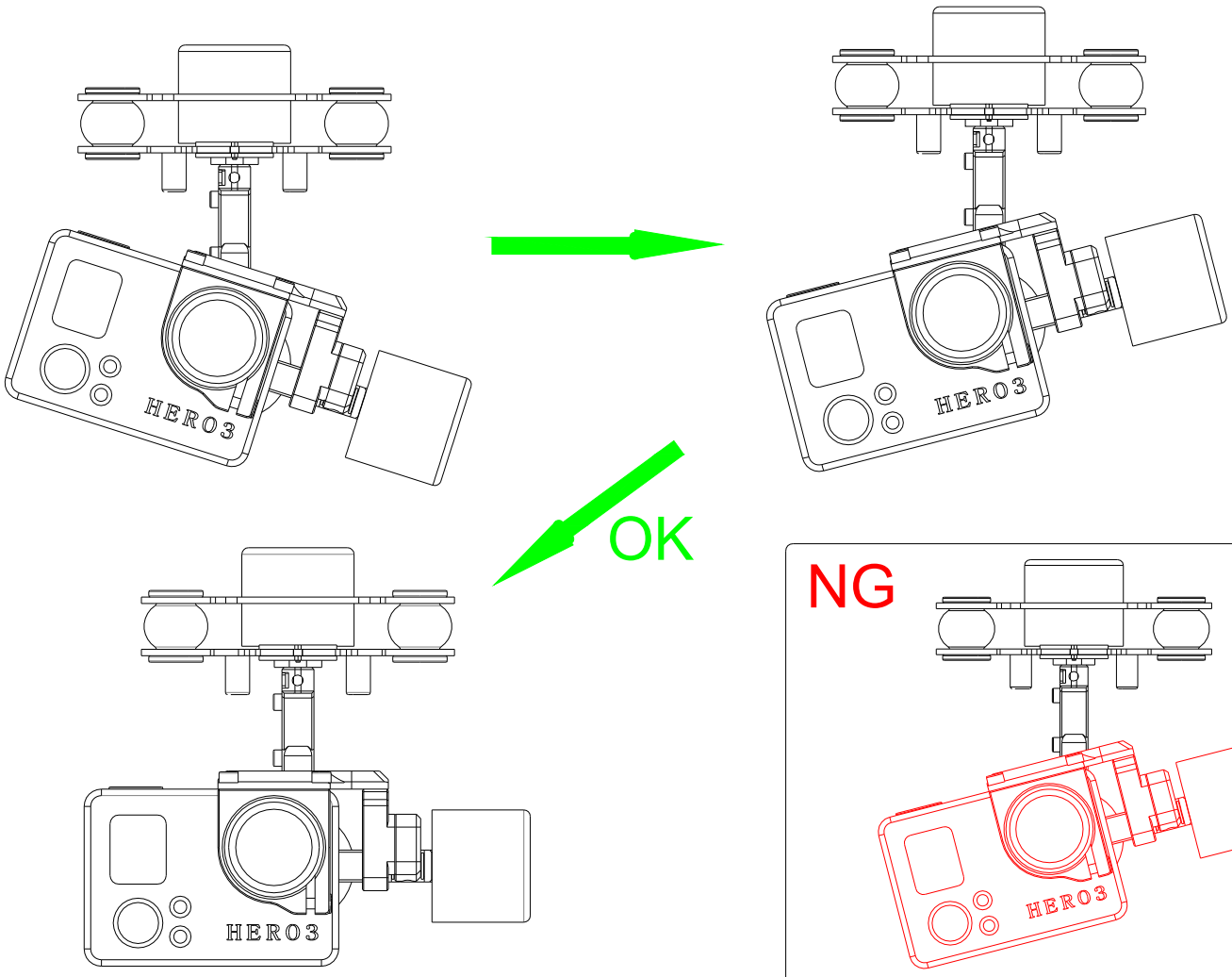
Note:
If gimbal calibrate abnormally (not shown as the below picture), check the Appendix.



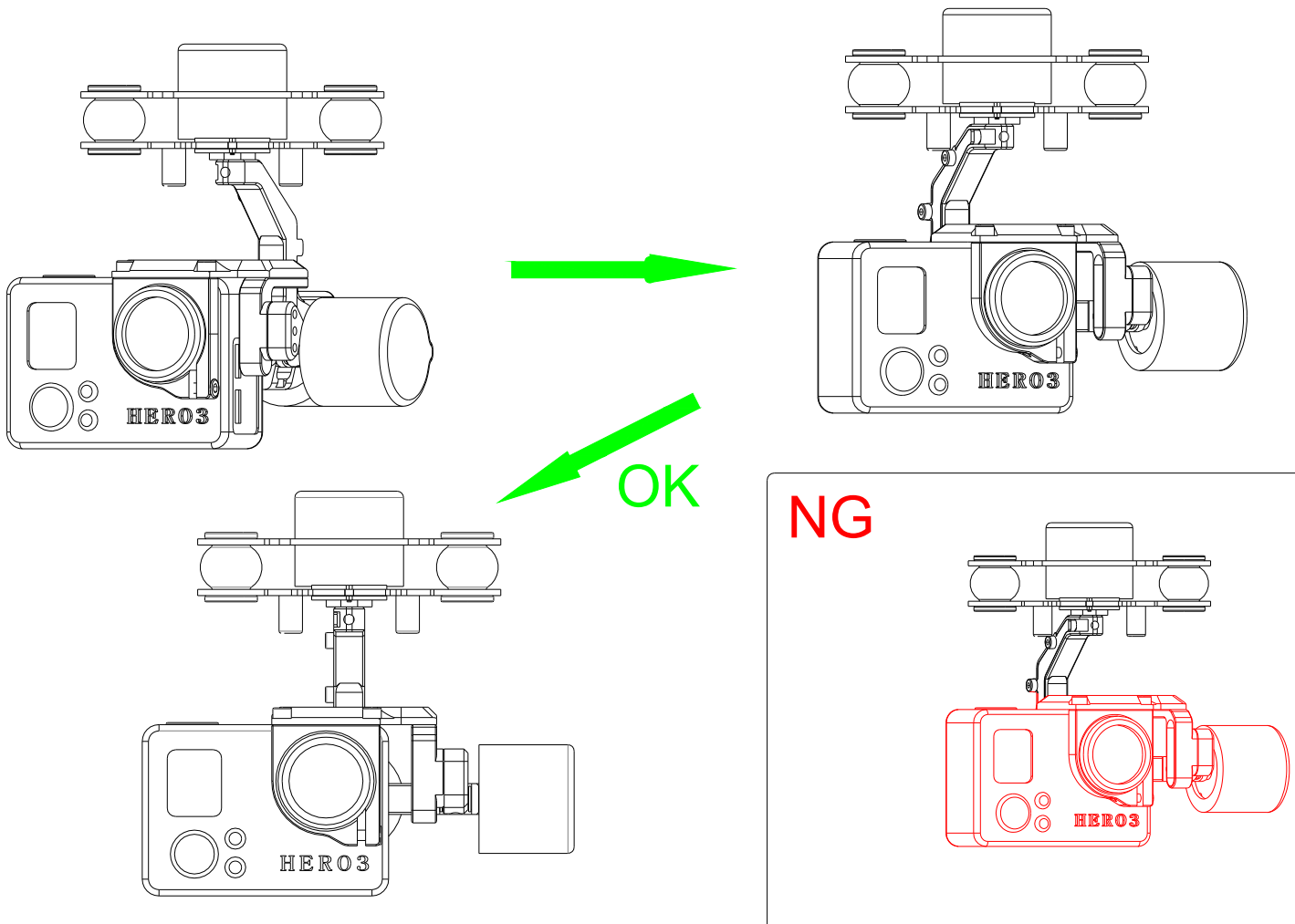
3.1 Gimbal pitch axis self-test description



3.2 Gimbal Roll axis self-test description



3.3 Gimbal Rotating axis self-test description



Appendix

Attention:

For proper use of consideration the production,please pay careful attention to all of the following items:

1.To avoid motor damage,ensure nothing blocks the servo drive module's total range of movement.

2.The gimbal's center of gravity has been preset.The gimbal balance is directly related to its performance.Please do not adjust the gimbal's center of gravity by yourself.

3.The gimbal is a sophisticated device.Do not remove any screws from the gimbal(Except the balancer nut).Doing so may result in poor performance or even damage.

4.Do not unplug any cables attached to the gimbal ports or change the mechanical structure.

5.Make sure all wiring is correct,otherwise the gimbal may not operate correctly or efficiently.

6.Do not open the GCU screws.

7.keep the gimbal horizontal when it power on.

8.Calibrating the roll servo driver module。If the roll is not in a horizontal state, We correct the gimbal follow the steps below:

1)Connect the gimbal with the receiver throttle channel, turn on the controller, and push the switch of throttle channel to the max , and charging the receiver.

2)Put the camera in a horizontal position, energized the gimbal, wait until the gimbal lights flashing 3 seconds , then it work.

Gimbal Size:

