

## 2025-02-08 Firmware and Documentation Updates

Gimbal\_Upgrade\_package\_V3.6

### Updated Content

#### Gimbal\_Upgrade\_package\_V3.6

1. GimbalConfig adds tilt protection and inverted mode setting options;
2. Optimized the adaptability of the tracking function to abnormal conditions;
3. Optimized the performance of pose solving.

## 2024-12-31 Firmware and Documentation Updates

QGC\_Andriod\_XF\_V2.0.1230

Dragonfly\_XF\_V4.1.1227

### Updated Content

#### QGC

1. Added a temperature measurement function component, which can control the relevant functions of the temperature measurement pod;
2. Added calibration function, which can calibrate the pod gyroscope;
3. Added TCP connection option;
4. Added camera center point function, after opening, the QGC video player will superimpose a crosshair in the center of the frame;
5. Added the function of hiding pod control components in the video interface;
6. Added video stream type selection function, which can support different types of video streams;
7. For Z-1 and Z-2 series pods, please use V6.4.02 and above firmware.

#### Dragonfly

1. In order to adapt to the Z-1 and Z-2 series pods, relevant communication protocols have been added;
2. For Z-1 and Z-2 series, please use V6.4.02 or later firmware.

## **2024-10-24 Firmware and Documentation Updates**

GCU\_Firmware\_VB5.2(20241012).fgpf

Gimbal\_Firmware\_V3.3.cahf

Dragonfly\_V4.0.1024\_XF

## **Updated Content**

### **Dragonfly**

Support to modify camera IP and video stream configurations;

### **2024-06-17**

CwGimbalZGV2Main\_V3.1.cahf

CwGimbalAutoPilot\_MainControl\_VA3.0(20240613).cgff

CwGbCamera\_MainControl\_VB5.0(20240617).fgpf

## **Updated Content**

1. Added firmware adapted to the new model pod;
2. Optimize pod control during tracking;
3. Added the pod tracking function, after the target is lost in the tracking state, the pod will automatically track a distance to the possible movement direction of the target;
4. Add pod working mode;
5. Expansion of private protocol functions.

## 2024-03-06

CwGimbalAutoPilot\_ MainControl\_V2 .9 ( 20240110) . cgff  
Dragonfly\_V3.0.0306

### Updated Content

#### Pod display and control software Dragonfly

1. Add the configuration interface for GCU;
2. Add part of the equipment information content to the information column;
3. Add OSD switching function, which can turn on or off the OSD information of the pod screen;
4. Add the function of selecting the video resolution of the main window;
5. Add TCP communication function;
6. The image display of the small window has been changed from the real-time picture to a frame of refresh every 5s.

## 2023-10-27

CwGimbalAutoPilot\_ MainControl\_V2 .7 ( 20231020) . cgff  
D Series and GCU Related Documentation

### Updated Content

1. GCU private communication protocol modification, corresponding to the version of "GCU private communication protocol-XF(A5)V2.0.2. pdf", see "Version History" in the document for details of the modifications;
2. The default network segment of the GCU is defined by "192.168. 1.X was amended to read 192.168.144.X. The firmware upgrade operation does not modify the current network segment and configuration of the GCU.
3. You can use the pointing and panning function in lock mode only;
4. When the target is lost in tracking mode, it will automatically switch to staring mode after waiting for 5s, and switch to lock mode if there is no gaze target;
5. For document updates, please refer to "Version History" in the documentation.

**2023-08-10**

GCU Private Protocol-XF(A5)V2.0. pdf

## **Updated Content**

See "Version History" in the documentation.

**2023-08-01**

CwGimbalZGV2 Main\_V2 . 6 . cahf

CwGimbalAutoPilot\_ MainControl\_V2 .6 ( 20230627) . cgff

## **Updated Content**

1. Optimized the self-stability performance of the pod under different platform inclination angles;
2. Add roll control, angle soft limit, platform inclination protection function;
3. The control algorithm has been optimized to improve the control accuracy of the pod;
4. Optimize the tracking algorithm;
5. Optimized the pointing and panning function;
6. Improved the problem of poor lag experience of zoom to the specified multiple, and optimized the zoom instruction;
7. Added the function that the inverted mode can be set manually;
8. Enable pointing stick in follow mode;
9. Fixed the problem of pointing and panning command;
10. Optimize the judgment of the effectiveness of the target point location;
11. Added angle control mode when using protocol control.