A serial gimbal for KLV setting

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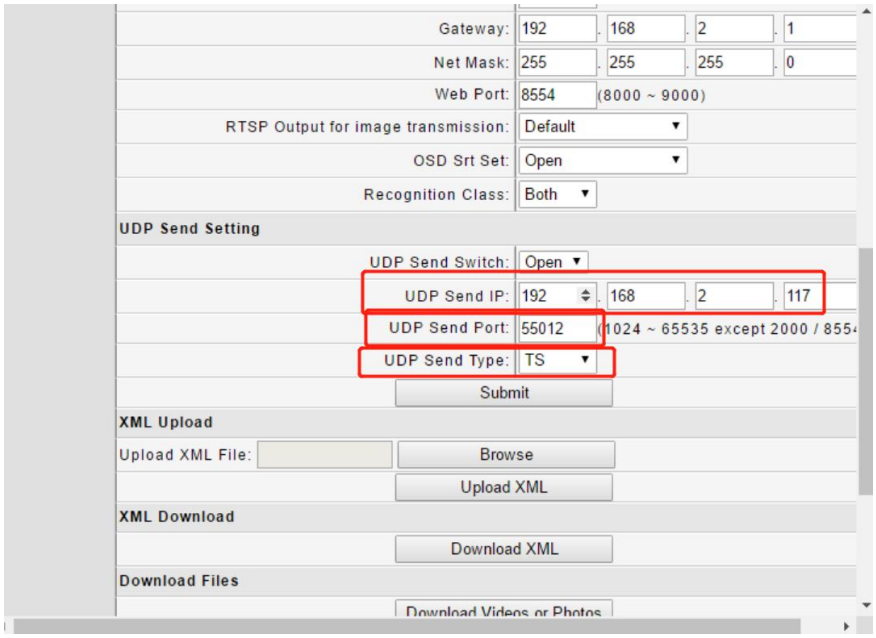
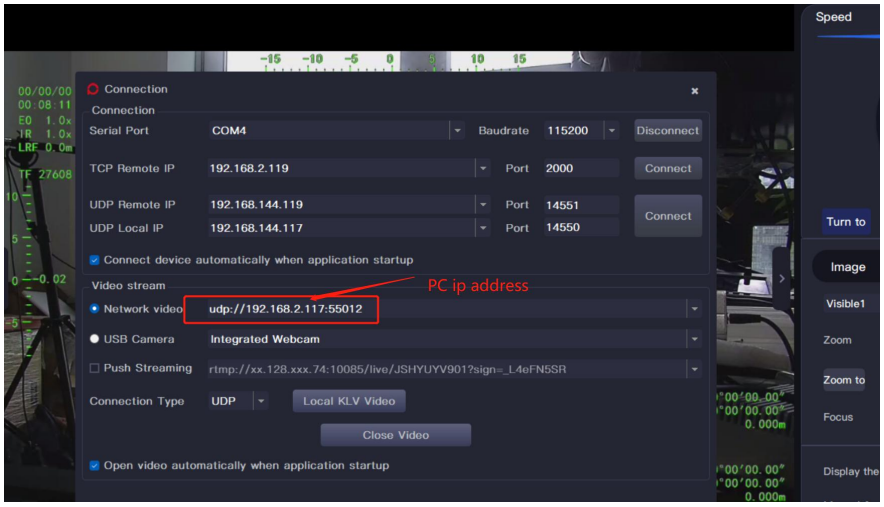
1. Gimbal connection, check the follow



- UDP send switch is open
- UDP send ip is 192.168.2.117,this is your PC ip,you can change your PC ip to 117 or change here to adapt your PC ip, but the segment should be same as “2”.
- UDP send port is 55012
- If you change any camera’s setting, please click “submit” and reboot.

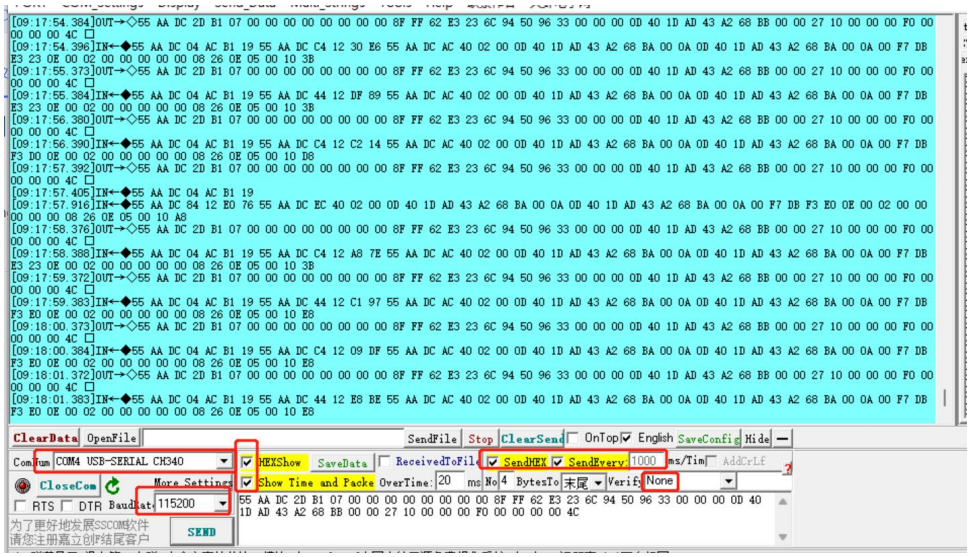
2. Check video via udp



3. Send command AA 55 2F 04 FF via serial port or on viewlink extended command, But via serial port is better. And reboot the gimbal.

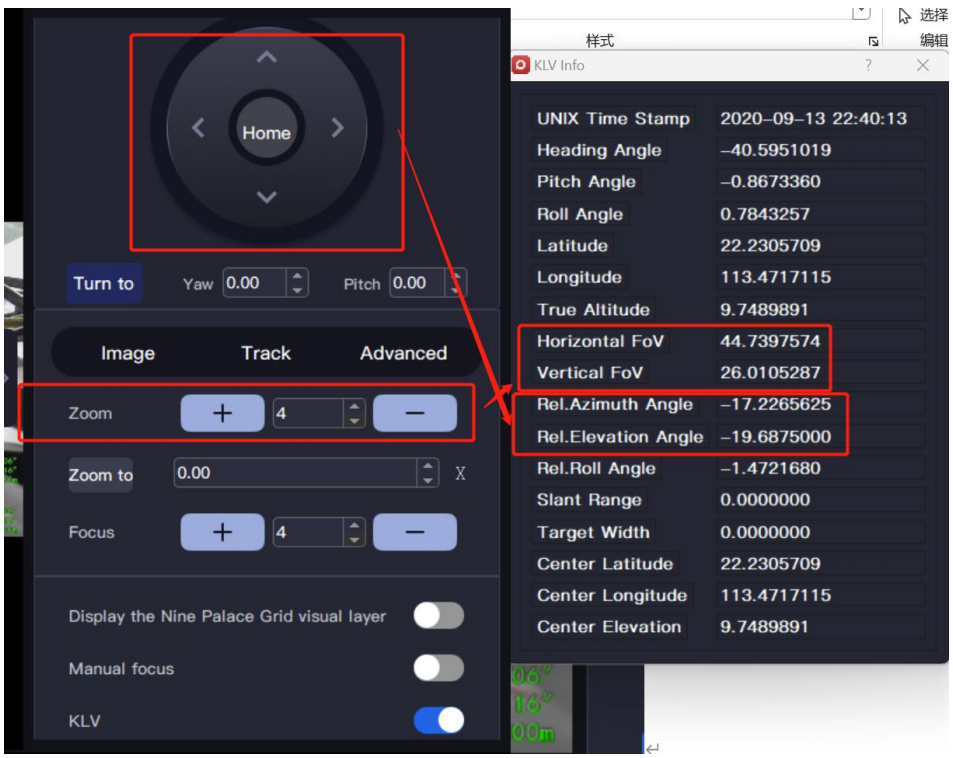
4. Use the serial port assistant to send the following commands at intervals of 1000ms to simulate GPS information.

55 AA DC 2D B1 07 00 00 00 00 00 00 00 00 8F FF 62 E3 23 6C 94 50 96 33 00 00 00 0D 40 1D AD 43 A2 68 BB 00 00 27 10 00 00 00 F0 00 00 00 00 4C



On viewlink, you can get simulated GPS information here.

5. On viewlink, open “KLV”, and click left/right/up/down, the angles value will be changing; Click “zoom in/out,the FOV value will be changing.
This mean the KLV function is OK.



6. Connect gimbal serial port to FC, make sure gimbal can get GPS from FC, the time data will also be changing. According the document 《Settings for the open-source Viewlink Gimbal Docking.pdf 》.