

0 初次烟整

calControlStr();
sendControlStr();



≯ 8% 🗀

```
last2[1]=low;
92 }
93
94 void getGasValue(int dy)
95 {
 96
       if(dy=0){}
97
98
99
100
            }else
101
                    Value=(dy-30)*1+120;
102
            }else
                     (dy < 70){
103
                      lue=(dy-60)*0.8+150;
104
                      (y>=70){}
105
                        e=160;
                gasVal
106
107
        }else{
            gasValue=0;
109
110
        if(dy <= -128)
111
            dy = -125;
112
113
        if(dy=127){
114
            dy = 125;
115
               ******/
116
117
        pid_ysum += dy;
     printf("data [PID]I_ysum%d\n",pid_ysum);
118
119
        ddy = dy - last_dy;
120
        printf("data [PID]dy = %d,last_dy = %d,ddy = %d",dy , last_dy, ddy);
121
        last_dy = dy;
        dy = PID_P \cdot dy + PID_D \cdot ddy + PID_I \cdot pid_ysum;
122
123
        if(dy <= -128){
124
            dy = -125;
125
        if(dy=127){
126
127
            dy = 125;
128
129
130
        if(dy<=0){
131
            gasValue = - dy;
132
133
        else{
134
            gasValue = 128 + dy;
135
136
137
        gasDeToHex(gasValue);
138
139 void getDirValue(int dx)
140 {
141
        if(dx <= -128){
142
            dx = -125;
143
        if(dx = 127){
144
145
            dx = 125;
146
        }
    /******/
147
148
        pid_xsum += dx;
     printf("data [PID]I_xsum%d\n",pid_xsum);
149
        ddx = dx - last_dx;
```



```
177
       ctrlStr[3]='\0';
178 }*/
179 void calControlStr()
180 {
181
       // 0
              1/2 3/4 5/6 7/8 9/10 11/12 13
182
              RC
                  XX
                       00
                            XX
                                 00 XX
183
                       Λ
                             Λ
                                 Λ
184
                   gas pitch roll yaw
       //
185
                   高低 前后 左右 偏航 校验
186
                   dir gas
                                 land?
       187
       int tmp_gas = gasValue;
189
       int tmp_dir = dirValue;
190
       if (gasValue > 128){
191
           tmp_gas -= 128;
192
193
       if (dirValue > 128){
194
           tmp_dir -= 128;
195
196
       printf("data [gas]abs(dy)=%d,[dir]abs(dx)=%d\n",tmp_gas,tmp_dir);
197
       //现在tmp_dir和tmp_gas都为dx或dy的绝对值
198
       if (tmp_dir < 5 && tmp_gas < 5){
199
           flag_landing = 1;
200
201
       202
203
       ctrlStr[0]=':'; ctrlStr[1]='R';ctrlStr[2]='C';
204
       for(int i=3;i<=10;i++){
           ctrlStr[i]='0';
205
206
         /<u>/FRIZE: E: RC</u> 00 00 00 00]
       if(flag_found) //如果当前帧中目标设有5失,对字符串赋值,否则保持0
207
           if(fly_status == 3 || fly_status == 2){//状态3:直接降落[: RC 00 00 00 10
208
209
              ctrlStr[9] = '0';
              ctrlStr[10] = 'A';
210
211
                                                                                      Ø 00 xx /]
                                                  (//状态1与状态3:降落标志是θ:[:
212
          else if (fly_status == 1 | I | fly.
                                                                              RC xx xx
213
                  ctrlStr[5]=dirValueChars[0];
214
                  ctrlStr[6]=dirValueChars[1];
215
                  ctrlStr[7]=gasValueChars[0];
216
                  ctrlStr[8]=gasValueChars[1];
217
                  //crtlStr[9/10]不变
218
219
220
     i (fly_status == 3) {
221
              ctrlStr[9] = '0';
222
              ctrlStr[10] = 'A';
223
224
          }
225
       ctrlStr[11]='\0';
226
227
       calLast2(ctrlStr);
228
       ctrlStr[11]=last2[0];
229
       ctrlStr[12]=last2[1];
230
       ctrlStr[13]='/';
231
232
233
234
   void senderInit(){
235
       fd = open("/dev/ttyUSB0", 0_RDWR);
236
       if(fd <0){
```