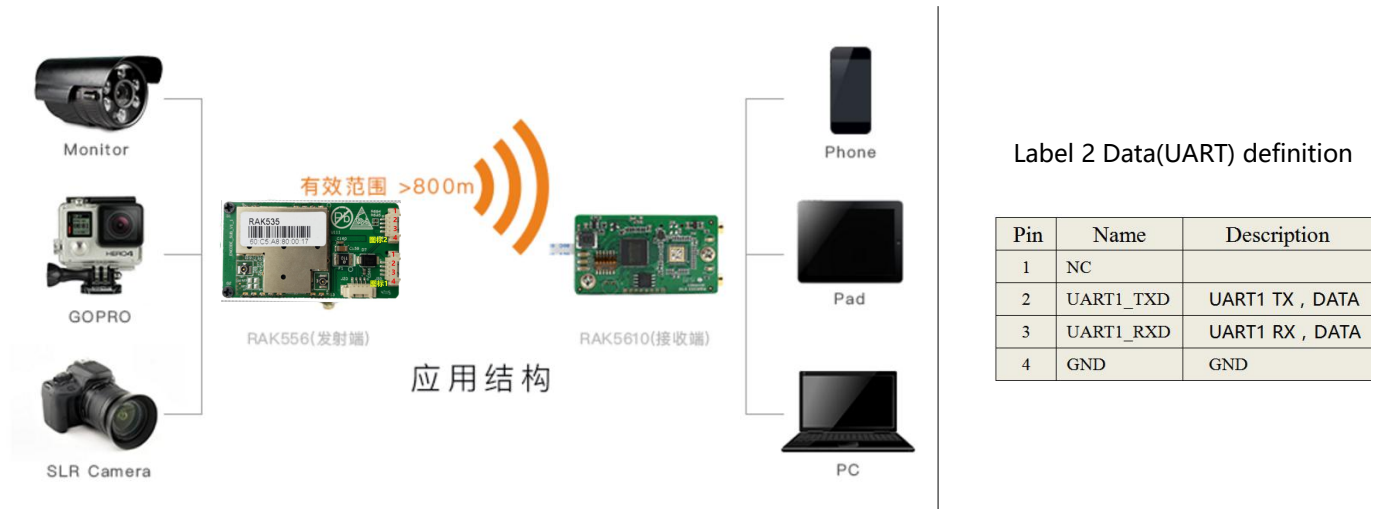


Note: the document is using for Flylink HD and Flylink HD+.

Application



Notes: the power interface strictly prohibit to connect other connector . Or that must damage the module .

Label 2 have been removed from Hardware version V1.2.

DATA INTERFACE

This UART is using for TRANSPARENT DATA .The socket will use UDP protocol .The IP address is the module' s valid IP address , and the UDP port is 1008 .

When the wifi device(smart phone) connect the softAP , the wifi device(smart phone APP) must open the UDP socket , and then send data to RAK566 module firstly . Once the module get the data , the data will be send out via UART and the module will remember the wifi device' s IP and UDP PORT. After that the module can send data back once the module receive data via UART .

Before Sending data to the module , you must add the protocol head (0x01 0x55) before the valid data . The module will cut off the protocol head and send the valid data via UART to the host MCU . The host MCU send the valid data to the module via UART . The module will add the protocol head(0x01 0x55) again before sending to wifi device .so the smart phone APP will get the data including protocol head.

Such as, all data is HEX data .

Sending : **01 55 66 88 99 00 44**(5bytes valid data)

ACK: **01 55 88 99 00 44 33**(5bytes valid data)

Android



<https://www.pgyer.com/rakvideotest>

IOS



Search **RAKVIDEO** in APP STORE

RAKVideo APP user manual

Note : Please make sure your smartphone supporting 5G WIFI !

1 , Firstly,power on the receiver and transmitter and waiting the blue LED light more than 10s. Open your smartphone' s WIFI setting and connect the receiver' s SOFTAP name (FS_5G_AP_XXXXXX or Flylink_XXXXXX) .



2 ,

Please make sure your transmitter' s blue LED lighting more than 10s.open RAKVIDEO app and waiting APP find a new device ,such as named 67054f device.blue color means the device is online .if you don' t find the new device ,please click the refresh icon in the top-right position.

Note: please don' t click the add icon. It is not using for Flylink HD product.



3 ,Suggest select the software Encode and that have good compatibility. The default password is admin ,and connect to view the video. The smartphone' s landscape mode will make the video full-screen play.

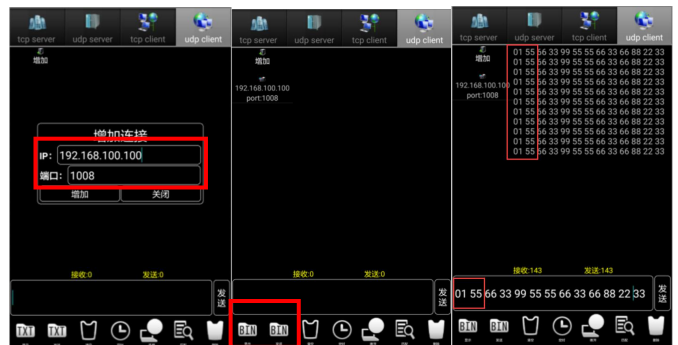


4 , Flylink HD can support local video play and record and serial port data interaction.the default video

resolution is 720P. Temporary does not support SD record.



5 , The step 4 have shown the transmitter' s(RAK566) valid IP. Download the third-party network debug assistant that android or PC are both right.Click the UDP client and input the IP(from the step 4) and port:1008.Please note swith the showing format from ASCII to HEX.



6 , How to set the serial port Baud-rate.

- 1) Connet the softap via PC or smartphone after the module work in normal status.
- 2) Open the browser and input the following address .please make sure the valid IP address(from step 4) and the valid baud-rate.
`192.168.100.100/server.command?command=set_baudrate&type=uart1&value=57600`
- 3) The following return means sucessfully.or you need to try again .

```
{"value": "0", "info": "suc"}
```

