TECHNICAL DESCRIPITON

The equipment is based on 2.4GHz ISM band frequency, and operation at the 1st channel (2412MHz).

1. Frequency Range: 2.4GHz to 2.4835GHz
2. Channel (13) : 2412MHz, 2417MHz, 2422MHz, 2427MHz, 2432MHz, 2437MHz, 2442MHz, 2447MHz, 2452MHz, 2457MHz, 2462MHz, 2467MHz, 2472MHz
3. Modulation: 802.11g (OFDM)
4. Antenna Type: Wire Antenna, 2.97 dBi Gain
5. Power Supply: 3.7 to 4.2V
6.Working Current: about 230mA
7.Working Temperature: -20°C to +55°C

Main parts list:

1. U1 BK7231UQN40
2. U2 : DC to DC setup up IC
3. U3 : 3.3V LDO
4. U4: 2.8V LDO
5.J2: Camera Module

26MHz Crystal

2.4G SRD:

1. After the whole machine is electrified, the voltage is stabilized at 2.8 V, and then the voltage is supplied to each IC.
2.The 2.4 G module receives the signal from the transmitter through the antenna and processes it, then provides it to the main control IC: (IC: STM8S003K) for decoding.
3.After decoding, the main control IC controls the signal from the transmitter and outputs it to 4 motor driving circuits to drive the aircraft.
4.After take-off, the main control IC detects the four-axis gyroscope first, and then compensates according to its status to make it hover stably in mid-air.
5. After the initial completion of the flight state, according to the transmitted signal to carry out any flight action.