

## **Circuit Description**

After the user turns on the device, the lithium battery supplies power to the main chip SR9030-V210 through the power chip. The main chip SR9030-V210 uses a clock signal output by a 24MHz crystal oscillator as the working benchmark of the system. In its normal operating state, the main chip SR9030-V210 not only receives video signals from the sensor chip but also captures audio signals through the microphone, subsequently encoding these audio and video data. Then, these data are transmitted to the AB6132BU-6PE WIFI module through the SPI interface.

When the AB6132BU-6PE WIFI module is powered normally, it connects to the WIFI wireless network through the main antenna or the auxiliary antenna. Once the network connection is stable, it establishes a connection with the server through the P2P protocol. Subsequently, the server forwards the received video stream in real-time to the client or APP for users to view and manage at any time. AB6132BU-6PE use ATBM6132-BU chip and 40MHz crystal.

### **Frequency Range:**

2.4G Wi-Fi: 2412-2462MHz/2422-2452MHz

5G Wi-Fi: 5150-5250MHz; 5250-5350MHz; 5470-5725MHz; 5725-5850MHz

### **Mode:**

2.4G Wi-Fi: 802.11b/g/n20/n40

5G Wi-Fi: 802.11a/n20/n40

### **Modulation Technique:**

2.4G Wi-Fi: DSSS, OFDM

5G Wi-Fi: OFDM