



GD8209/GD7609 Circuit Description

1. First, the GD8209 and GD7609 should be connected to its adapter or be populated with four batteries, then turn on the machine.
2. GD8209: The video signal is collected by the CMOS sensor(OV7722), and the audio signal is collected by the mic. Then both two signals will be sent to the MCU(SN93331) and be coded into digital signals. Third, the two digital signals will be sent to RF IC(A7121) and modulate with the carrier which its frequency is 2.4GHz. Finally, the modulated signals will be sent by the antenna.
3. GD7609: First, Antenna will receive the modulated signal from GD8209. Second the signals will be amplified and demodulated in the RF module. Third, the processed signal will go into MCU(SN93330), the demodulated signal will be isolated into two signal(audio and video). Then the MCU will light the indicate LED and there are voice from the loudspeaker . At the same time, the TFT LCD will show the real time image.