

ACA200 Circuit Description

Operation Frequency: 2468MHz,

Modulation Type: FM

1. U1 is a CMOS Image Sensor .
2. U2 is a DSP For CMOS Image Sensor .
3. U4 is EEPROM to Save Debug info .
4. U6 is a 500kHz PWM DC/DC Control IC .
5. U5 is 3.3V LDO .
6. TM103I-E is 2.4GHz RF module .
 - (1) The audio signals will be mixed with mid-frequency of 6.5MHz.
 - (2) The processed audio signals together with the video signals are oscillated by 2.4GHz, then amplified to output circuit then RF output.
 - (3) Phase-locked loop circuit is used to stable the transmitted frequency. (The principle is to detect output, when the transmitted frequency is deviated from the designed frequency, the phase-locked loop circuit will send a control signal to change oscillating frequency to stable the transmitted frequency).