

FCC ID: Q77VSB

## 2.4 GHz Mini Camera

### Operation Theorem:

The product is intended to transmit four channels (2410, 2430, 2450, 2470 MHz) of audio and video signal in modulated 2.4 GHz FM style.

Modulation and Transmitting module VMT10 is mainly employed, it consists one video input and one audio input according to below circuit diagram.

The frequency selection could be set by DIP-SW1, and options shown below:

Video input receives 1 Vp-p (PAL or NTSC) signal transmitted from CCD or CMOS cameras. Audio input receives audio signal from capacitor microphone amplification circuit consisting of Q1 and Q2.

The product is energized by a 6 Vdc linear type power supply, converted voltage to 5 Vdc via regulator U2 (7805), than supplies CCD or CMOS camera and microphone amplification circuit. 5 Vdc is converted into 3.3 Vdc via regulator U3 (AME8800AEFT-3V3), than supplies VMT10.