

### **Operation Theorem of 2.4GHz Receiver**

The product is designed for receiving four channels (2410, 2430, 2450, 2470MHz) of audio and video signal in modulated 2.4 GHz FM style, and demodulates them into baseband audio and video signal.

DIP switches are used for configuration of frequency. The frequency selection is controlled by a micro controller.

The product is energized by a 9 Volt linear power supply.

### **Operation Theorem of 2.4GHz Camera Transmitter**

The product is designed for transmitting four channels (2410, 2430, 2450, 2470MHz) of audio and video signal in modulated 2.4 GHz FM style. Modulation and transmitting module is mainly employed, it consists on video input and two audio inputs according to the circuit diagram. DIP switches are used for configuration of frequency. The frequency selection is controlled by a micro controller.

Video input receives 1 V<sub>p-p</sub> (PAL or NTSC) signal transmitted from CCD or CMOS cameras. Audio input receives audio signal from capacitor microphone amplification circuit.