CC420 Baby Camera Block Diagram Operational Description

1. The DC Power use 6V. Power on the red led light up.
2. The Off/Color/Night Select can change power off or color video or night video.
3. The voltage detector can detect low battery. Run out of battery the green led light up.
4. The regulator 5V is supply power for the OV7910 circuit and Microphone amplify circuit.
5. The regulator 3.3V is supply power for the TX module.
6. The OV7910 is a Color CMOS NTSC/PAL camera single chip. It is supply camera video image input signal.
7. The microphone amplify circuit supply audio signal input process.
8. The TX module is a analog RF 2.4GHz A/V sender TX module. The transmitter uses dipole antenna and designed to operate on 4 fixed frequency at 2413 or 2432 or 2451 or 2470MHz.It is used 2.4GHz ISM band FM modulate video(NTSC,PAL,SECAM) carrier signal ,and audio carrier signal.
   TX module use micro controller setup PLL frequency. 6MHz and 6.4MHz Audio use FM modulate the carrier signal. The carrier signal is generated by a single frequency synthesizer with on-chip integrated VCO / Amplifier / Band Pass Filter circuit then coupled to the dipole antenna.
   When Camera power on , the analog RF signal is always continuous transmitting , unless the power off.
9. The 4 channel switch can select the TX module 4 channel include 2413 or 2432 or 2451 or 2470 MHz.
10. The IR (Infrared Rays) can lighting in night mode.