

## **CIRCUIT DESCRIPTIONS**

### **VC-T2G4 Wireless Surveillance**

The main function of VC-T2G4 Wireless Surveillance is to send the video and audio signals to receiver unit by 2.4GHz RF signal with FM modulation. The receiver unit will pick up the 2.4GHz RF signal and do the FM demodulation, then put the video and audio signals to TV, or other AV device.

The circuit description as below :

#### **VC-T2G4 Wireless Surveillance Transmitter Unit :**

Consisting if (1) Voltage Regulator (2) 2.4GHz TX RF Module (3) Channel Setting  
(4) Charging Circuit (5) CMOS Camera

- (1) Switching Voltage Regulator :** The unit converts the 9V DC output of the adapter to 5V DC by 34063 switching voltage regulator, and supplies the 5V DC to the 2.4GHz TX RF Module and Channel Setting.
- (2) 2.4GHz TX RF Module :** The unit converts the audio –L channel, audio –R channel and video signals to FM modulated signals, and transmits these signals in 2.4GHz band.
- (3) Channel Setting :** To set the transmitting frequency in fixed channel.
- (4) Charging Circuit :** The unit is supplied charging power by 9V DC output of the adapter in charging mode. And the unit provided power to the switching voltage regulator of 34063 without 9V DC output of the adapter under discharging mode.
- (5) CMOS Camera :** The unit captures real time video and audio signals and sends them to 2.4GHz Tx RF module.