

## **XC30A – 900MHz camera Circuit Description**

XC30A is a 900MHz camera which converts video and audio to 900MHz RF signal. The modulation is FM. Here below are the list of major components and functions.

- 900MHz Transmitter module: a single chip which include 900MHz band FM modulator for video & audio signals and with reference crystal 8MHz. The fundamental frequency is 921MHz, single channel, channel bandwidth is 18MHz and modulation is FM.
- CMOS camera module: a single chip 1/4” lens video camera which provide a NTSC composite video output and with reference crystal 14.318MHz
- Antenna : dipole antenna ~ 81mm