

K1 Circuit Description

- 1. Power units supply Power energy to all other units.**
- 2. RF receiver unit receives the RF Bands 2412MHz to 2462MHz operating signal by the antenna, the control unit get the operating signal from the RF Receiver Unit, Control unit will send the processed signal to DSP to execute. And the DSP uses the osc is 24MHz and the 32.768KHz. Keyboard send the manual operating signal to Control Unit, Control unit will send the processed signal to DSP to execute.**
- 3. Receiver modulation mode: DSSS.**
- 4. Flash/SDRAM give the space for DSP to access instruction and data transfer.**
- 5. Video Sensor send the video signal to DSP(A5S) to process, and DSP send the processed signal to the HDMI/AVOUT unit. Also DSP will initial the parameter of Video Sensor in the starting.**
- 6. Display unit displays the video signal from DSP.**
- 7. HDMI/AV output unit process the signal from DSP, and transfer this signal to analog video and HDMI signal and output.**
- 8. the system data transfer with the PC by USB interface. and also transfer the data by the RF antenna which band 2412MHz to 2462MHz.**

WiFi Module Circuit Description(AR6103G)

The action camcorder which the WIFI Module which Power units is the battery And the RF receiver unit receives the RF Bands 2412MHz to 2462MHz operating signal by the antenna, the control unit get the operating signal from the RF Receiver Unit, Control unit will send the processed signal to WIFI Module to execute. And the WIFI module uses the osc is 24MHz, when the Keyboard send the manual operating signal to Control Unit, Control unit will send the processed signal to MCU to execute. RF unit WIFI module which uses the modulation mode: DSSS. and the MCU will final signal to WIFI module, and WIFI module(AR6103G) send the processed signal to others units.