

# JY228T Operation circuit description

## 1. Images and audio Operation circuit description

(1)External images signal is picked by camera module,these signals are converted into color composite video signal out.Then color composite video signal are sent into TX MODULE by component CON2

(2)Audio signal is picked by microphone, then it is amplified by U2A,then via high-pass filter it is sent into TX MODULE.

(3)Audio and video signals are modulated by 2.4G RF signal in TX MODULE. And then amplifier it is can be transmitted

## 2. Controlling circuit and external interface description

(1).S1 is switch of power

(2).K2 is switch of night-lamp selection

(3)K1 is switch of channal selection. These all have A□B□C□D four channal and A□B□C□D four indication LED .

(4)Component Z1.Q5.Q7.LED1 are circuit of low voltage indication.When voltage is ok the GREEN LED of double LED1 is bright;When voltage is low the GREEN LED and RED LED of double LED1 are all bright,so LED1 spark orange light.

(5)Component D2.D3.Q4.Q2 are circuit of audio auto-gain-controlling.

(6)Component U2B.U2C.Q6.Q1 are circuit of microphone

controlling. When dudio is so low that PIN8 of U2C is low level, so Q6.Q5 are cut, then U1 .TX MODULE don't operation.

(7) J2 is in port of AC adapater

3 □ Power supply circuit description

(1) Component U1 is circuit of 5V voltagr regaulator

(2) Component R3.Z2 are circuit of 5V voltagr regaulator

(3) Component R26.D1 are circuit of battery recharging