

2.4G Cam for VEXplorer Operation Description (TX & RX)

OVER VIEW:

The production is a system for video and audio transceiver system, the Tx Unit include the image sensor to get image information and microphone to get sound, image sensor output standard NTSC video signal, the audio signal from the microphone was amplified, then the audio and the video signal were output to the 2.4G module to modulation, then transmit by antenna . The antenna of RX unit was received the signal, the RX module was demodulation the RF signal, output the AV signal.

Description:

TX:

U2, C1, C2, C3, C4 for power supply circuit. R1, R17, R18, LM358-B ext for audio amplify, Q1, Lm358-A, Led for power ind, U1 and the exit parts for coms image sensor, it output Video signal. The U3 module modulation the AV signal and amplify the RF signal,.

RX

Q3, U2, C1, C2, C3, C4 for power supply circuit, Q4, Q2, Q1, Led1 for battery ind. U1 for RF receiver and AV demodulation.