

ABSTRACT

Wireless Camera Transmitter transmitter is a device that uses wireless technology. Wireless technologies are electronic devices that can transmit a signal (information) remotely through the medium of air (without cable). Wireless camera transmitter sends a signal from the camera transmitter to the receiver (monitor) by using radio waves.

In this Final Project will be designed by using a wireless camera transmitter modulation amplitude modulation (AM) PAL G systems that work on UHF (Ultra High Frequency). Wireless camera transmitter is designed in order to record the object, which is placed on a flying object (the object moves / RC Helicopter), then the signal is transmitted through the medium of air and able to be displayed on the television (monitor). Objects that are recorded by the camera will be sent to the receiver device that is attached to the television (monitor).

Transmitter is designed is capable of producing output power of -37.2dBm with a working frequency range 470 MHz - 580 MHz, Bandwidth 5 MHz, and can work at a distance of 10 meters. This transmitter can be received with the Television device in general with the PAL G system.

Keywords: Transmitter, AM (Amplitude Modulation), Wireless, flying objects, PAL system - G, UHF (Ultra High Frequency).