

ABSTRACT

AR Drone 2.0 is UAV miniatur. The UAV has flight range of up to 50 meters, it could be restrict UAV to fly farther, so the UAV need a Access Point with bridge mode and antenna to receive distant signal. In this book, will be made a device to extend AR Drone 2.0 signal up to 100 meters which called Wifi Extender. The workings of wifi extender is wifi signal from AR Drone 2.0 connected by the first access point through cable with transmitter mode and then transmitted new signal in order that on base station can connect with plan. The device using motor servo so the antenna can be following aircraft movement.

Keywords: drone, wifi extender