

ABSTRACT

AR Drone 2.0 is one of the example of an unmaned aircraft multirotor and use for research. AR Drone 2.0 is equipped with sensors and camera that can monitor things at a distance. AR Drone 2.0 use the camera and GPS to take data image according to predetermined location, so that we will know the existing circumstances / condition in the monitor area. AR Drone 2.0 controlled by a desktop application on a PC which created with Visual Studio 2012 and the BASIC programming. Camera AR Drone 2.0 can be accessed on the PC through the camera port of the AR Drone 2.0 (port 5555). After accessing the port, the application can do video streaming and capable to take an image with GPS data location.

Keywords: AR Drone 2.0, unmaned aircraft, control, camera, Visual Studio 2012, port, video streaming, GPS.