Title:

Automated Data Collecting System for Environment Using UAVs and Smartphones

主要功能

實時影像傳送(高清)720p 60p

錄影,拍照(能否同時進行)

程式控制(手機)

數據儲存(aws)(xml)

Application

Android app

實時影像(直播形式)

控制

錄影,拍照(能否同時進行)

觀看數據(影像,照片,己收集數據)

Window app

實時影像(直播形式)

觀看數據(影像,照片,己收集數據)

Website (待定)

觀看數據(影像,照片,己收集數據)

ios(待定)

like android app

氣象用途

sensor

濕度

溫度

Pm2.5 懸浮粒子 200-300

紫外線

煙霧

氣壓

noise

超音波

Backup

雨

4G

限制

Wifi 距離

續行力

|  |  |
| --- | --- |
| Use case name: | Data Collection |
| Use case ID: | UC-0003 |
| Actor(s): | Client |
| Brief description: | The c |
| Preconditions | The notebook computer had connected to correct and available Wi-Fi |
| Flow of events: | 1.Include (Connect UAV)  2.switch on the UAV and connects it to the notebook computer  3.Press “View mission” button  4.The user can now check the previous missions and the collected data. |
| Postconditions: | ／ |
| Alternative flows and exceptions: | User had to connect the correct Wi-Fi. Otherwise, it cannot view live image the UAV. |
| Non-behavior requirements: | ／ |
| Assumptions: | The user uses Windows computer devices. |

備用

醫療用途

外掛心臟起伏器

山區救援

GPS

照明設備

運送醫療用品

消防用途

外掛滅火器