|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | A picture containing table  Description automatically generatedSentinel - 2 | 지오포커스 PlanetScopePlanetScope | A black and red game controller  Description automatically generated with low confidenceDrone with Parrot Sequoia | Arable Mark ground sensor |
| **Spatial resolution** (for visible and NIR) | 10 m | 3-4 m | 10 cm | 10 m (diameter around sensor) |
| **Spatial extent** (how large an area does this sensor cover) | Global | Global | Up to 20 ha (area flown by drone) | 10 meter diameter (around each sensor) |
| **Temporal resolution** (revisit time) | Every 5 days or so | Near-daily (depends on cloud cover, depend on latitude) | As often as you fly the drones | Daily, hourly |
| **Temporal extent** (length of record in time) | 2015 – present | 2016 – present | As often as you fly the drone | As long as sensors are installed |
| # of sensors in network | 2 | 120+ (increasing) | 1 | # of installed sensors |
| Cost | Free through Google Earth Engine | $0.012 / ha ([see here](https://www.researchgate.net/publication/326417596_Benchmark_of_Satellites_Image_Services_for_Precision_Agricultural_use)) | Cost of drone + sensor + flight costs | ($1595 + $699 per year) \* number of sensors |

**Multispectral Sensor comparison**