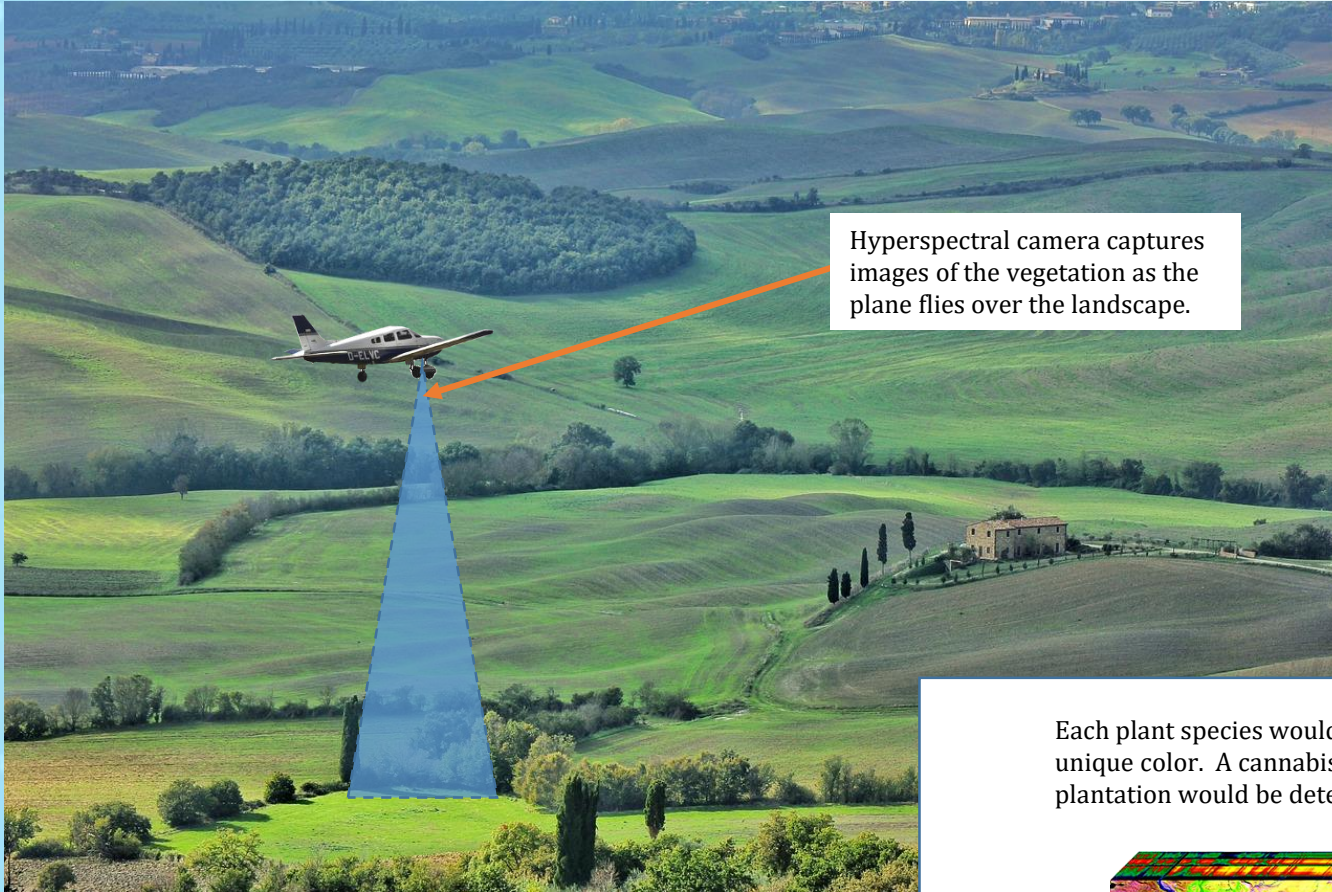
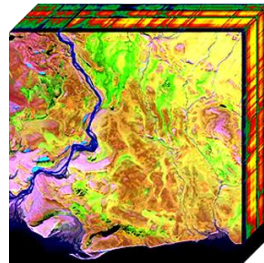


Law Enforcement: Drug Crop Detection and Location



Hyperspectral camera captures images of the vegetation as the plane flies over the landscape.

Each plant species would be seen as a unique color. A cannabis or poppy plantation would be detectable.



Law enforcement must survey large areas of land in an attempt to locate dug crops. A less costly method is needed that can scan quickly and efficiently scan suspected areas of narcotic crop growth is needed.

Solution:

A hyperspectral camera equipped with an objective lens, GPS system, data acquisition computer, and custom software are used to gather hyperspectral data of the surveyed area with a helicopter/plane/or drone.

The hyperspectral imaging is able to visually reveal variations in plant species through differences in their color output. Each plant species will be captured as a specific color. This is a result of each material having a unique spectral "fingerprint." The drug crop's distinct spectral fingerprint can be used to locate it and detect it among all the other plant growth.

This is also useful to survey locations which are not easily accessible through car.