



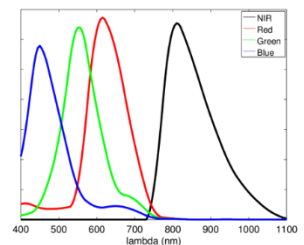
*Easy to use multispectral drone system with software.
Ready to fly for beginner pilots & agronomy professional service providers*

GEMS Multispectral Kit includes:
(Patent Pending)

- Multispectral camera (RGB & NIR 4 channels) with custom filters
- GPS receiver & external active antenna
- Inertial navigation IMU
- USB interface cable
- High-speed USB jumpdrive
- Power cable
- Remote LED board and cable
- Hardcover carry case for storage



4.84" x 5.56" x 2.31"
Takeoff weight: 338 grams



63mm x 29mm x 7mm
Weight: 12 grams

*New Incident Light Sensor (ILS) for calibrated absolute vegetation indices

GEMS SOFTWARE

View 2D Flight trajectory overlaid on satellite imagery and mosaics

Easily view RGB & NIR images with geolocation

2D mosaics for RGB, NIR, & RNDVI imagery

3D DEM elevation maps generated

Area tool with statistics, GPS markers, & distance tool

Boundary clipping

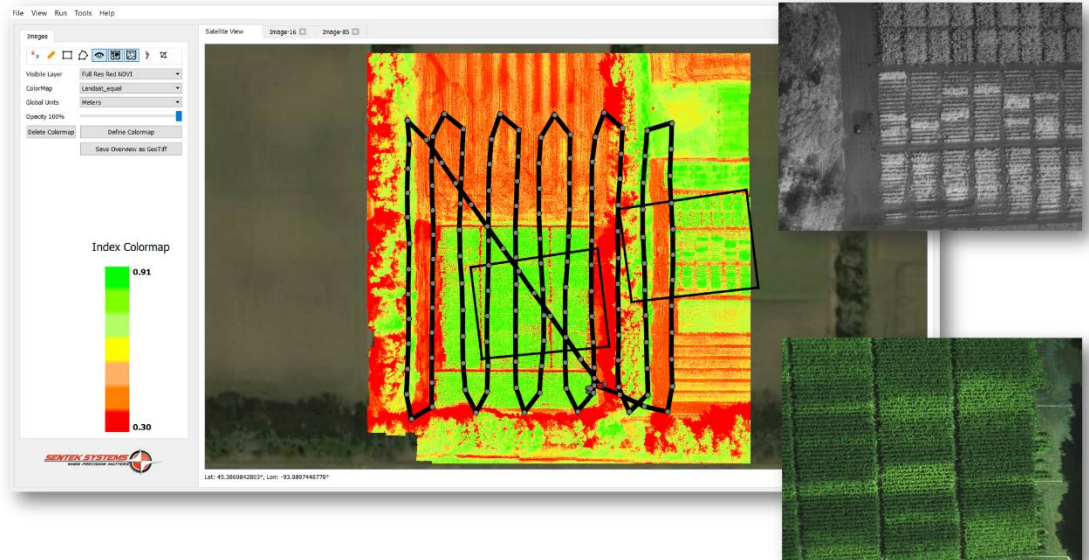
Computes Relative RNDVI or Absolute RNDVI using ILS sensor

Export layers to geotiffs, shapefiles, CSV, and metadata

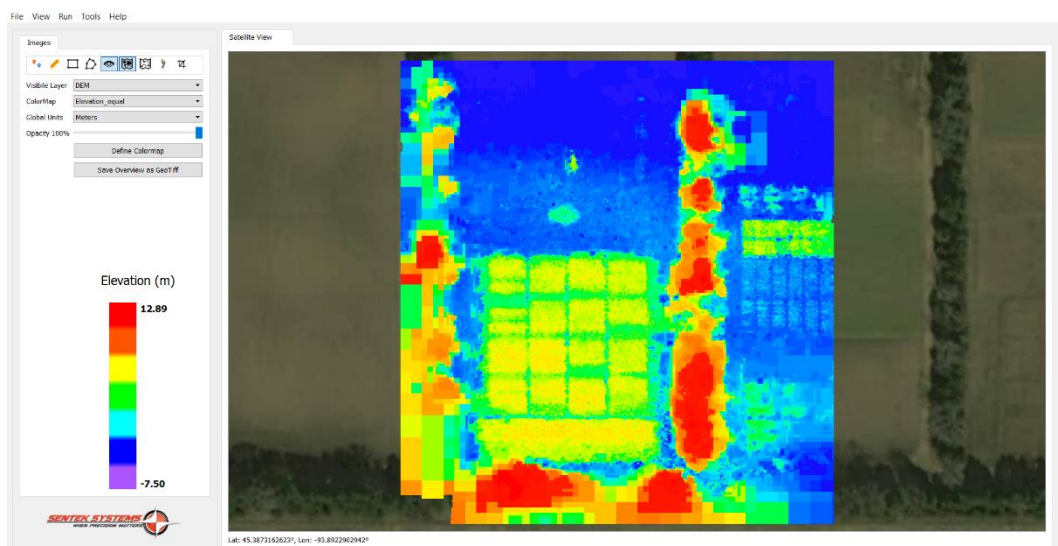
Export measurements & areas to shapefile layers

New Extended EXIF tags embedded into images for greater compatibility!

Easy mosaic analysis
Secure data • Fast processing • Accurate area tool



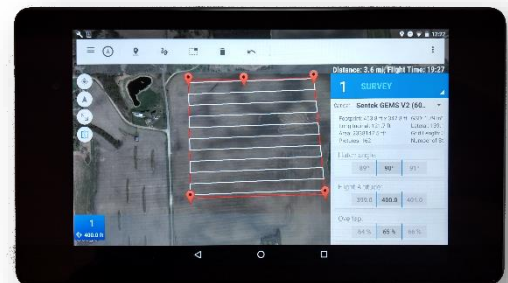
Analyze sub-images & mosaics with very accurate geolocation information. Add GPS markers, distance measurements and area statistics tools



Generates high quality 3D elevation maps for monitoring crop height & topography mapping

Solo Ag Package

- 3DR Solo quadcopter & Controller
 - Endurance: 14 minutes with GEMS payload & accessories
- Extra propellers
- Extra quadcopter battery
- GEMS multispectral camera & Incident Light Sensor
- GEMS post-processing software
- Tablet & Tower App for autonomous flights & mission planning
- Sentek Planner App
- Heavy case with built in quick connect charging system
- Can store 3 batteries and has built-in charger
- Inverter to power from car outlet



Pros:

- Easy setup within minutes out of the box.
- Easy charge smart batteries
- Handles exceptionally well in high-wind (tested 25mph winds)

Plan, Fly, and Analyze your data in the field. Simplify your workflow and obtain reliable data every flight.

Inspire Ag Package

- DJI quadcopter & Controller
 - Endurance: 18 minutes with GEMS payload & accessories
- DJI 4K camera
- Extra propellers
- Extra quadcopter battery
- GEMS multispectral camera & Incident Light Sensor
- GEMS post-processing software
- iPad & Sentek Drone Survey App for DJI. Plans and executes autonomous missions.
- Sentek Planner App
- Heavy pelican case with built in quick connect charging system
- Case has built-in 4 battery charging hub
- Inverter to power from car outlet



Pros:

- Scalability to longer endurance missions with higher capacity batteries
- Ability to quickly change multispectral camera with stock Inspire 4k camera