



A Sentera NDVI Single Sensor transforms DJI's pocket-sized Mavic™ drone into an easy-to-use precision agriculture scouting tool. The NDVI Single Sensor enables a grower to capture NIR imagery and produce NDVI crop maps while retaining the ability to use the Mavic's 12-megapixel sensor, capable of shooting 4K video.

The small yet powerful Mavic is one of DJI's most sophisticated drones ever, featuring an all-new transmission system with 4.3-mile* range, 5 vision sensors, 27 minutes of endurance, and a 4K camera stabilized by a 3-axis mechanical gimbal. Together, the state-of-the-art Mavic and Sentera NDVI Single Sensor provide growers and agronomists with an affordable, reliable way to collect near-infrared (NIR), normalized difference vegetation index (NDVI) and high-resolution color imagery in a single flight.

Simultaneous image capture allows growers to save time and fly more frequently while confidently and systematically collecting critical, precise crop-health data from which they can immediately make informed input decisions.



The DJI Mavic folds up and fits in the palm of your hand

FEATURES & BENEFITS

- Seamlessly retain the Mavic camera functionality while collecting NIR imagery and producing NDVI maps
- Easily identify crops under stress
- Quickly reallocate inputs to more productive acres
- Confidently fly with standard FlightAutonomy technology, sensing obstacles from 14.9 meters away
- Effortlessly leverage AgVault™ so data can be viewed at the field's edge, where immediate action can be taken

SEAMLESS INTEGRATION

We'll do it for you. We will work with any grower, agronomist or consultant to professionally integrate a Sentera NDVI Single Sensor with a new or existing DJI Mavic drone, ensuring the solution perfectly fits the need. Contact us to discuss upgrading other DJI platforms.



Sentera NDVI Single Sensor

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Existing or new DJI Mavic drone

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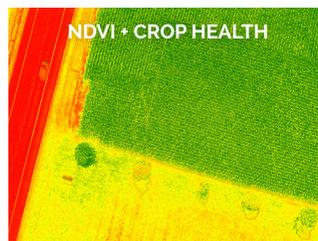
Precision scouting tool

AGRICULTURE SOLUTION

Sentera's NDVI Single Sensor allows the Mavic to capture high-resolution color, NIR and NDVI imagery simultaneously, providing growers and agronomists with a precise, affordable solution to help determine the health and vibrancy of a crop. This information is an integral part of how growers and agronomists make input decisions, enabling them to increase crop yields while being good stewards of the land and environment.



Sentera NDVI Single Sensor



NDVI + CROP HEALTH



FIELD SCOUTING

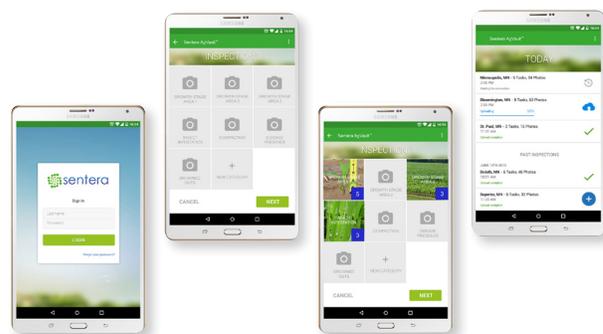
Examples of imagery output from the Sentera NDVI Single Sensor

AGVAULT™ SOFTWARE

Our software solution, AgVault, unlocks the value of crop health imagery. Fly the DJI Mavic using AgVault Mobile**, then organize, store, view, annotate, and share images with teams and partners, expanding the circle of impact. AgVault is compatible with all popular agricultural analytic tools, creating a seamless flow of imagery and data from capture to detailed analysis.



AgVault desktop software



AgVault Mobile for Android + iOS mobile devices



Contact us today!

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*Unobstructed, free of interference, when FCC-compliant.
**Autonomous flight capability available exclusively for iOS mobile devices.

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Upgrading a Mavic with a NDVI Sensor nullifies DJI's manufacturer warranty.