

MAVIC™ NDVI UPGRADE



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 49' away
- Effortlessly leverage FieldAgent™ so data can be viewed at the field's edge, where immediate action can be taken

MAVIC™ NDVI UPGRADE

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 Single Sensor

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Existing or new DJI Mavic drone

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Precision scouting tool

AGRICULTURE SOLUTION

Sentera's NDVI upgrade allows a Mavic drone 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

FIELDAGENT™ PLATFORM

Our FieldAgent Platform is a complete agricultural data analytics solution that's with you wherever you are — in the office or in the field. Coupled with a Sentera precision ag sensor, FieldAgent takes you beyond aerial photography into meaningful data products with actual economic value, such as NDVI and NDRE zone analysis, population analysis, weed mapping, and elevation mapping.



FieldAgent Web, Mobile, and Desktop



FieldAgent Mobile iOS



Contact us—let's do something amazing!

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

*Unobstructed, free of interference, when FCC-compliant.

**Autonomous flight capability available exclusively for iOS mobile devices.

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