



OMNI™ AG QUADCOPTER



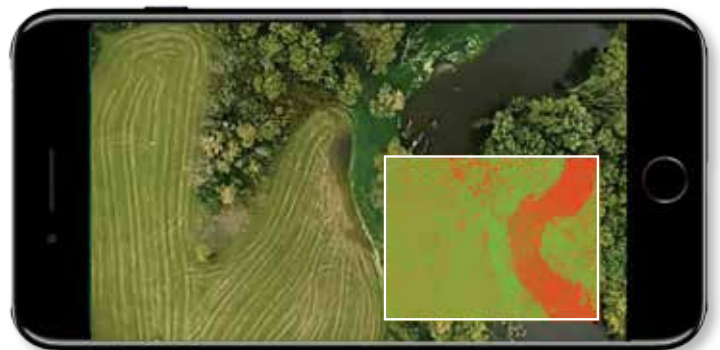
The Omni™ Ag drone, paired with a Sentera Double 4K Sensor streams LiveNDVI™ Video to a user's mobile device in real-time, while the drone is still in the air. This winning combination delivers crop views unavailable from any other drone and sensor package on the market today.

The Sentera Omni Ag drone takes crop scouting to the next level. The Omni Ag allows growers to view LiveNDVI Video livestreamed from the Double 4K Ag sensor, as it is captured. The Double 4K sensor rapidly gathers and processes near-infrared (NIR) data right on the sensor, while in-flight.

Carrying a Double 4K sensor allows the Omni Ag to capture the clearest, crispest high-resolution color and NIR images in a single flight.

FEATURES & BENEFITS

- LiveNDVI Video streaming
- Easy, intuitive flying capability
- Reliable, easy-to-use platform
- Highly-compatible drone, integrating multiple sensors



Livestreamed 4K Video
Actual screen capture of LiveNDVI in action

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PERFORMANCE SPECIFICATIONS

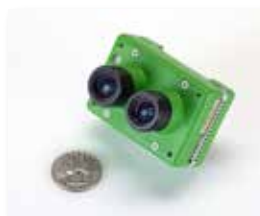
Gross takeoff weight	8lbs (3.6 kg)
Diagonal size	27.5 in (69.85 cm)
Height	11.25 in (28.58 cm)
Cruise speed	15 m/s (29 kts)
Hover time	25 minutes
Sensor	Double 4K Ag Sensor <ul style="list-style-type: none">• 12.3MP RGB resolution• 12.3MP NIR resolution• Live 4K video• 30Hz max photo rate• 64 GB storage
Max coverage	160 acres @ 400 ft altitude 80 acres @ 200 ft altitude
Mount	Zenmuse gimbal
Radio frequencies	2.4GHz and 5.8GHz
Flight modes	Autonomous and manual options
Payloads	Compatible with many precision payloads including Sentera Double 4K, DJI Zenmuse X3, Z3, and XT
Software for video mode	VLC media player
Safety	Customer-enabled Failsafe RTH (Return-to-Home) feature autonomously guides aircraft to user-set home position in the event of a communication loss.
Case	Custom hard-sided case included



Omni Ag drone shown with custom case

PAYLOAD SOLUTIONS

The Omni Ag is a highly versatile platform which accepts multiple payloads, ensuring every application has a perfect imagery solution. Sentera's Double 4K Sensor changes how the agriculture industry collects crop health data and makes decisions. LiveNDVI™ Video livestreamed in-flight provides users with real-time NDVI imagery, enabling on-the-fly decisions.



DOUBLE 4K FEATURES

- Simultaneous NIR & RGB data collection
- Processes data in-flight
- Rapid image collection
- Low-distortion optics
- Livestreaming 4K video
- 8x zoom

THE CONTROLLERS: FLYING + CAPTURING IMAGERY

It's easy—anyone can operate this solution. Each Omni Ag package comes with two controllers: one controller to maneuver the Double 4K sensor, and one controller to manually fly the Omni drone and control a DJI payload. When manually flying the drone, both controllers will be used and two people are needed, one to operate each controller. When flying autonomously, number of operators needed will depend on which payloads are used. Smart devices sold separately.

Black controller to maneuver Double 4K sensor



White controller to fly Omni Ag Drone and control DJI Payloads



Contact us—let's do something amazing!

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