



SENTERA NDVI SINGLE SENSOR



The Sentera NDVI Single Sensor brings even more precision and accuracy to users looking to collect reliable and valuable crop health data. Now, every grower, agronomist and consultant has an easy-to-use, affordable NDVI solution.

The highly versatile Sentera NDVI Single Sensor integrates onto a multitude of drone platforms, enabling any grower to quickly and affordably access critical, precise [TrueNDVI™](#) crop data. The sensor produces crisp, detailed RGB imagery or near-infrared (NIR) imagery, allowing growers to quickly produce normalized difference vegetation index (NDVI) crop maps. The level of detailed information provides users with invaluable information about crop health and maturity.

FEATURES & BENEFITS

- Easily integrates into virtually any system, including several DJI drone platforms
- Low-distortion optics + global shutter technology ensure crisp, clear crop imagery
- Captures data to create precise NDVI maps, providing users with a complete crop health report card
- Seamless data flow into AgVault™ allows imagery to be viewed at the field edge and immediate action to be taken

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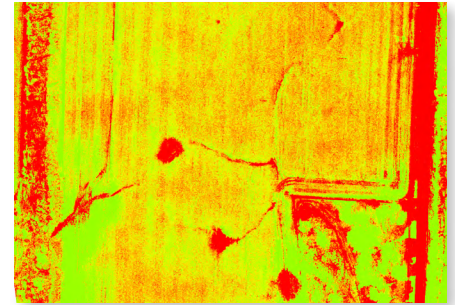
IMAGERY OUTPUT OPTIONS



High-Resolution Color Image



Near-Infrared (NIR) Image



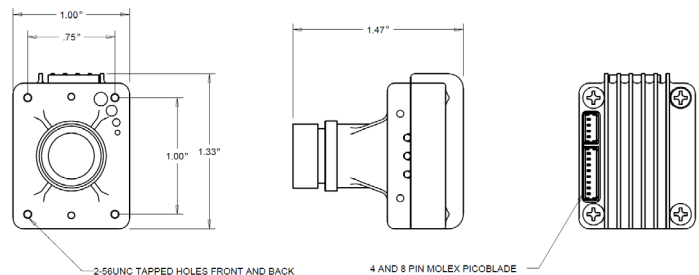
NDVI Crop Health Image

SPECIFICATIONS

Sensor options	1.2MP CMOS with Global Shutter – or – (specify when placing order) 10.5 MP CMOS RG+NIR-NDVI capable
Size	1" x 1.33" x 1.47" (25.4mm x 33.8mm x 37.3mm)
Weight	30 grams
Power	2.5W
Voltage input range	5V to 40V
Image format	JPEG, TIFF
Frame rate	1.2MP Stills: 15fps 10.5MP Stills: 3fps 720p Video: 24fps (30fps option available)
Storage	32GB SD card per sensor <ul style="list-style-type: none">Image format: JPEGApproximately 18,000 images per card
Field of view	60° HFOV, customizable based on application

Interfaces	Ethernet, Serial/UART
Control	Open ICD for triggering and metadata logging over serial or IP, compatible with: <ul style="list-style-type: none">Lockheed Martin Kestrel™ autopilotPIXHAWK™ autopilotMAVLink™-based systemsCustomized ICD options available

DIMENSIONS



SENTERA AGVAULT™ SOFTWARE

AgVault™ software unlocks the value of your imagery. Create shapefiles, QuickTile™ maps, organize, store, view, annotate and share images with teams and partners, expanding the circle of impact. You can even fly several DJI drones using your iOS device and AgVault Mobile. AgVault software is compatible with all popular agricultural analytic tools, creating a seamless flow of imagery and data from capture to detailed analysis.



Sentera AgVault desktop software



Contact us—let's do something amazing!

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