![sentera]

![FIELDAGENT™]

DOUBLE 4K AGRICULTURE SENSOR

The Sentera Double 4K agriculture sensor simultaneously captures normalized difference vegetation index (NDVI) and high-resolution RGB imagery, quickly securing valuable crop health data in a single flight.

Sentera's Double 4K Agriculture Sensor, the smallest and lightest dual sensor available today, is universally compatible with any drone. The Double 4K captures 12MP high-resolution images and features an enhanced processor which expedites delivery of precise crop health images to popular stitching tools, including Pix4D and Agisoft.
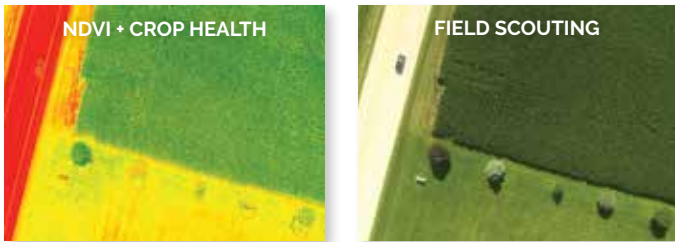
With increased image resolution and augmented processor speed, Double 4K users will enjoy crisper crop maps, with improved shapefiles and stitching.
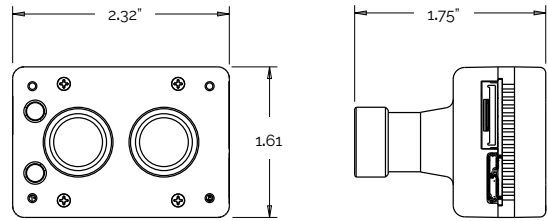
FEATURES & BENEFITS

- Capable of livestreaming NDVI video to mobile device via LiveNDVI™ technology
- Simultaneously captures 12MP NDVI and high-resolution RGB imagery
- Expedites imagery download utilizing enhanced processor
- Easily modified to advance with industry technologies
- Capable of 4K ultra-high-definition video capture
- Seamlessly integrates with FieldAgent™ Web, Mobile, and Desktop Software

IMAGERY CAPTURE

NDVI + CROP HEALTH

FIELD SCOUTING

Examples of imagery output from the Sentera Double 4K Sensor

2.32"

1.61

1.75"

SPECIFICATIONS

Sensors	12.3MP BSI CMOS RGB 12.3MP BSI CMOS RG+NIR - NDVI Capable • Sony Exmor R™ IMX377 Sensor	**Storage**	64GB SD card, standard and removable
Size	2.32" x 1.61" x 1.75" (59mm x 40.9mm x 44.5mm) • Fits the GoPro® Hero4 footprint	**Field of view**	60˚ HFOV (4K Stills / Video) 1080p ranges 30˚ - 60˚ HFOV
Weight	80 grams	**Interfaces**	Ethernet, Serial/UART. USB 3.0, I2C, GPIO • WiFi: 802.11a/b/g/n/ac • Bluetooth 4.1 • Web-based camera configuration • Pushbutton control for single photo and mode select
Power	8W typical / 12W maximum		
Image format	JPEG		
Data capture	12.3MP Stills 4K Ultra HD video @ 30fps LiveNDVI™ video capture (available with Sentera Omni & PHX UAV platforms only) 1080p/720p Video • H.264 encoding	**Control**	Open ICD for triggering and metadata logging over serial or IP, compatible with: • Lockheed Martin Kestrel™ autopilot • PIXHAWK™ autopilot • MAVLink™-based systems • Customized ICD options available
		Data	Seamlessly integrates with Sentera FieldAgent™ software

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

Contattaci-facciamo qualcosa di incredibile!

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