

## AGX840 GIMBALED QUAD SENSOR



Sentera AGX840 Gimbaled Sensor  
Powered by DJI SKYPORT

Sentera's gimbal-stabilized AGX840 delivers exceptional agronomic intelligence to the DJI MATRICE™ 200 and 210. Powered by DJI SKYPORT™, AGX840 offers still image download, and full gimbal control.

Developed for the academic and institutional researcher, Sentera's easy-to-use AGX840 gimbaled quad sensor offers real-time spectral and vision-based status measurements that deliver scouting information to support work flows and research activity. On M210 dual-gimbal configurations, combine AGX840 with a ZENMUSE™ XT to add simultaneous thermal-band data collection.

What's more, all AGX840 data integrates with your preferred software analytic tools, allowing you to process information with existing programs.

### FEATURES & BENEFITS

- Fully customizable imaging bands allow for specific data capture unique to your operation
- Simultaneous collection of RGB, Red, RedEdge and NIR data increases efficiencies and streamlines processes
- Quickly integrate with DJI M200 and M210 drone series using Lock & Go gimbal technology
- Integrate AGX840 data with existing software analytic tools
- AGX840 includes 12 months of the FieldAgent Platform

# AGX840 GIMBALED QUAD SENSOR

## INSTALLATION OPTIONS

Sentera's AGX840 gimbaled sensor is powered by DJI SKYPORT™ - the key to seamless integration with any DJI MATRICE™ 200 Series drone. SKYPORT compliance allows for full control of the AGX840 using DJI Pilot, Sentera FieldAgent™, or any compliant flight app.



AGX840 Sensor  
Mounted on DJI MATRICE 200



AGX840 and ZENMUSE XT Sensors  
Mounted on MATRICE 210 Drone

## SPECIFICATIONS

### Sensors

Resolution	1x 1.2MP CMOS RGB 3x 1.2MP CMOS Mono
	• 655nm CWL x 40nm width • 725nm CWL x 25nm width • 800nm CWL x 25nm width

Shutter	Global
Pixel Size	3.75um
Pixel Count	1248 x 950

### Lens

FOV	50° horizontal / 39° vertical - Low Distortion
GSD @ 200'	1.8" (4.5cm)
GSD @ 400'	3.6" (9.1cm)

Size	4.3" x 4.0" x 4.5" (110mm x 102mm x 113mm)
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Weight	370 grams
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Power	15W typical
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Gimbal	<b>Mount:</b> Detachable <b>Controllable Range:</b> Tilt: 0° to -90°, Pan 0°; Roll 0° <b>Mechanical Range:</b> Tilt: +34° to -126°, Pan 0°; Roll ±40° <b>Max Controllable Speed:</b> 50°/S
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Frame Rate	1.2MP Stills: 7fps
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Storage	32GB SD card per sensor
	• JPEG, 200,000 images per card
	• TIFF, 8,000 images per card

Interfaces	Ethernet, Serial/UART
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## FIELDAGENT™ PLATFORM

The FieldAgent Platform is a complete agricultural data analytics solution that provides deep, actionable insights. Couple a DJI M200 or M210 with a Sentera AGX840 Gimbaled Sensor and autonomously scout fields. FieldAgent ensures you capture accurate data that enables you to generate meaningful and informative crop maps.



FieldAgent Mobile iOS



### Contact us—let's do something amazing!

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