



Double 4K Sensor

Capture Detailed Multispectral Imagery for More Precise Crop Health Data

Use our most versatile sensor to capture high-resolution imagery for more precise measurements and analytics to understand crop health and performance throughout the season.

With distinct variations designed to meet your specific use case, know the Double 4K Sensor will capture the imagery to generate accurate and precise analytics.

Turn Aerial Imagery Into Detailed Analytics

The Double 4K Sensor is available in five models with specific capabilities designed to your unique use case.

Compatible Drones

Connect our Double 4K Sensor to a drone you already own.

No drone? No problem – we can help build the right ag drone system for your needs.

Sentera PHX

DJI Phantom DJI Matrice
DJI Mavic DJI Inspire



	Double 4K Ag+	Double 4K Analytics	Double 4K Multispectral	Double 4K NDVI/NDRE	Double 4K Weed Mapper
	<i>RGB + NDVI Multispectral Imagery</i>	<i>Zoom RGB + NDVI Multispectral Imagery</i>	<i>5-band Multispectral Mapping</i>	<i>NDVI + NDRE</i>	<i>RGB Multispectral Imagery</i>
Canopy Cover	●	●			
Crop Area	●	●			
Crop Health	●	●	●	●	
Flowering	●	●			
Residue Cover	●	●			
Stand Count	●	●	●		
Tassel Count		●			
Weed Spray Prescription					●

Key Specifications for the Double 4K Sensor

Resolution & Lens

12.3MP BSI CMOS RGB
 Sony Exmor R IMX377 Sensor
 HFOV: 60° (4K stills/video)

- 1080p ranges 30° - 60° HFOV
- GSD @ 200ft - 0.8" (2.0 cm)
- GSD @ 400ft - 1.0" (1.0 cm)

Size

2.32" x 1.61" x 1.75" (59mm x 40.9mm x 44.5mm)

Weight

80 Grams

Power

8W typical / 12W maximum

Image Format

JPEG, TIFF, RAW

Storage

64GB SD card, standard and removable

Frame Rate

12.3MP Stills
 4K Ultra HD video at 30fps
 1080p / 720p Video
 H.263 Encoding

Interfaces

Ethernet Serial/UART. USB 3.0 I2C, GPIO
 Web-based camera configuration
 Push button control for single photo and model select

Control

Open ICD for triggering and metadata logging over serial or IP, compatible with:

- PIXHAWK™ autopilot
- MAVLink™- based systems
- Customized ICD options available