

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.



Compatible with Industry-Leading Ag Drones



Matrice, Phantom, Mavic & Inspire



Sentera PHX

Key Specifications for the Double 4K Sensor

Sensors

12.3MP BSI CMOS RGB
Sony Exmor R IMX377

Lenses

Standard 5.4mm
HFOV: 60°
GSD @ 200ft - 0.69" (1.8 cm)
GSD @ 400ft - 1.38" (3.5 cm)

Zoom 25mm (Analytics variant only)
HFOV: 14°
GSD @ 200ft - 0.15" (0.38cm)
GSD @ 400ft - 0.30" (0.75 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

Storage

64GB SD card, standard and removable

Frame Rate

12.3MP Stills
4K Ultra HD video at 30fps
1080p / 720p Video
H.264 Encoding

Interfaces

Ethernet Serial/UART. USB 3.0 I2C, GPIO
Web-based camera configuration

Control

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

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

Turn Aerial Imagery Into Detailed Analytics

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



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