sentera

Seamlessly integrates
into any platform

The rugged Sentera Double 4K inspection sensor is designed with no moving parts, with optional quick-release 2D gimbal mount. The Double 4K uses a wide-angle field of view (FOV) lens to audit a structure, and a magnified narrow FOV lens to instantly see 12 MP of detail.

Sentera's Double 4K inspection sensor streamlines data collection by providing a wide-angle FOV ideal for auditing a structure's overall condition and the capability to zoom in using the second, magnified narrow FOV lens. These paired, configurable sensors eliminate the need for a second drone flight or a physical climb to assess a potential issue.
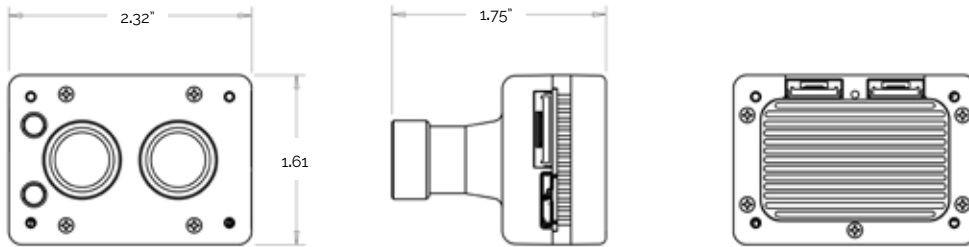
The small, light Double 4K sensor is universally compatible with any drone.

FEATURES & BENEFITS

- Simultaneously captures wide-angle FOV and magnified narrow FOV imagery
- Expedites imagery download utilizing enhanced processor
- Instantly download images
- Easily modified to advance with industry technologies
- Captures 4K ultra high-definition video
- Seamlessly integrates with OnTop™ software

DIMENSIONS

2.32" 1.75" 1.61

## SPECIFICATIONS

Sensors	12.3MP BSI CMOS RGB 12.3MP BSI CMOS RG+NIR - NDVI Capable • ERS correction • Sony Exmor R™ IMX377 Sensor
Size	2.32" x 1.61" x 1.75" (59mm x 40.9mm x 44.5mm) • Fits the GoPro® Hero4 footprint
Weight	80 grams
Power	8W typical / 12W maximum
Image format	JPEG, TIFF, RAW
Data capture	12.3MP Stills 4K Ultra HD video @ 30fps 1080p/720p Video • H.264 encoding

Field of view	4K image/video ranges 15˚ - 60˚ HFOV 1080p ranges 7.5˚ - 60˚ HFOV
Interfaces	Ethernet, Serial/UART. USB 3.0, I2C, GPIO • Web-based camera configuration • Pushbutton control for single photo and mode select
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
Storage	64GB SD card, standard and removable
Data	Seamlessly integrates with Sentera OnTop™

SENTERA ONTOP™ SOFTWARE

One drone flight can result in hundreds of images. Sentera's proprietary software solution, OnTop, enables professionals to manage these images and unlock the value embedded within them. OnTop allows users to organize, store, view, comment on, and share critical images with teams and organizations, expanding the circle of impact. OnTop is compatible with many of the most popular analytics, mosaic, and 3D modeling tools, creating a seamless flow of imagery and data from capture to detailed analysis.
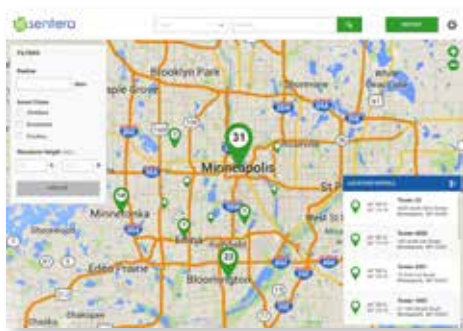
Sentera OnTop desktop software
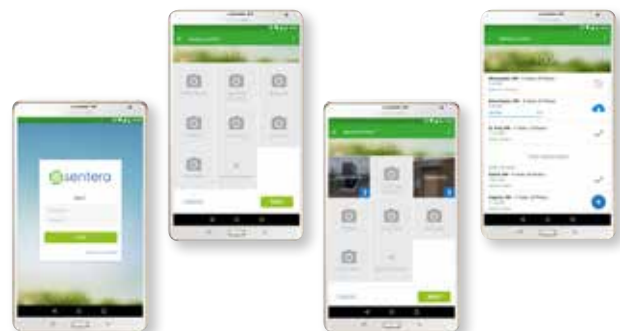
Sentera OnTop mobile app

OnTop
COMPATIBLE

Contact us—let's do something amazing!

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