



The **Omni™ Inspection drone**, paired with a Sentera **Double 4k Sensor** introduces a game-changing, **upward-looking inspection solution** to the infrastructure inspection industry.

OMNI™ INSPECTION DRONE



Live Streaming 4K Video
Actual screen capture of tower inspection

The Sentera Omni Inspection drone provides users with an unprecedented range of sensor motion to capture both still and live-stream 4K video. Omnidirectional views are made possible with this solution. The Omni and Double 4K Sensor enable operators to look under bridges, power-lines, and a variety of other critical components housed in difficult-to-reach areas of infrastructure assets.

Using a gimballed, game-changing Sentera Double 4K sensor with both macro and micro zoom levels, operators of the Omni rapidly collect high-resolution inspection imagery from virtually any angle.

The Omni is built on the proven, robust DJI M100 vehicle, and is compatible with multiple payloads including the DJI Zenmuse X3, Z3, or XT.

OMNI™ INSPECTION DRONE

PERFORMANCE SPECIFICATIONS

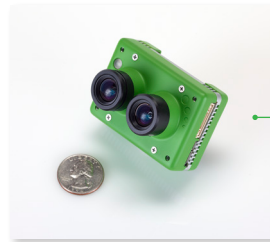
Gross takeoff weight	8 lbs (3,6 kg)
Diagonal size	27.5 in (69,85 cm)
Height	11.25 in (28,58 cm)
Cruise speed	15 m/s (29 kts)
Hover time	25 minutes
Sensor	Double 4K - Inspection - RGB Resolution - Wide HFOV = 60° - Narrow HFOV = 15° - Live 4K Video - Storage = 64 GB
Gimbal range of motion	Nadir to zenith
Radio frequencies	2.4GHz and 5.8GHz
Flight modes	Autonomous and manual flight options
Payloads	Compatible with many precision payloads including Sentera Double 4K, DJI Zenmuse X3, Z3, and XT
Software for video mode	VLC media player
Safety	Customer-enabled Failsafe RTH (Return-to-Home) feature autonomously guides aircraft to user-set home position in the event of a communication loss.



Omni Drone
Shown In Custom Case

DOUBLE 4K SENSOR SOLUTION

The versatile, precise Sentera Double 4K Sensor is changing how the inspection industry captures and uses data. Two zoom levels and live-streaming 4K video allows users to audit a structure with a wide-angle field of view (FOV) lens, then instantly zoom in to 12MP of detail with the magnified narrow FOV lens.



Double 4K Sensor

- Gimbaled, full-range of motion
- Two zoom levels
- Rapid image collection
- Low distortion optics
- Live-streaming 4K video

THE CONTROLLERS - FLYING & CAPTURING IMAGERY

This is easy. Anyone can operate this solution. Each Omni Inspection Solution comes with two controllers: one controller to move the Double 4K sensor, and one controller to manually fly the Omni drone. When manually flying the drone, both controllers will be used and two humans are needed, one to operate each controller. If you choose to autonomously fly the Omni, only one controller is used, and therefore just one human is needed to capture imagery. *Smart devices sold separately.*

Black controller to maneuver
Double 4K sensor



White controller for manual flight
of the Omni Inspection Drone



Contact us and let's do something amazing!

Sentera, LLC
6636 Cedar Ave South, Ste 250
Minneapolis, MN 55423

+1 (844) SENTERA (844.736.8372)
+1 (612) 204.2000 direct

www.sentera.com
info@sentera.com