



OMNI™ INSPECTION DRONE



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

The Sentera Omni Inspection drone provides users with an unprecedented range of motion to capture both still images and livestream 4K video. 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 platform, and is compatible with multiple payloads including the DJI Zenmuse X3, Z3, or XT.



Livestreamed 4K Video
Actual screen capture of tower inspection

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PERFORMANCE SPECIFICATIONS

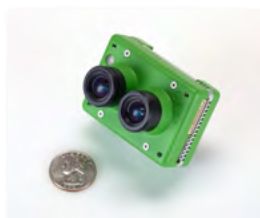
Gross takeoff weight	8 lbs (3.6 kg)
Diagonal size	27.5 in (69.85 cm)
Height	11.25 in (28.58 cm)
Cruise speed	15 m/s (29 kts)
Hover time	25 minutes
Sensor	Double 4K Inspection Sensor <ul style="list-style-type: none">• 12.3MP RGB resolution• 60° Wide HFOV• 15° Narrow HFOV• Live 4K Video• 64 GB Storage
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 guides aircraft autonomously to user-set home position in the event of a communication loss
Case	Custom hard-sided case included



Omni Inspection drone shown with custom case

DOUBLE 4K SENSOR

The versatile, precise Sentera Double 4K Sensor is changing how the inspection industry captures and uses data. Two zoom levels and livestreamed 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 FEATURES

- Gimbaled, full range of motion
- Two zoom levels
- Rapid image collection
- Low-distortion optics
- Livestreaming 4K video
- 8x zoom

THE CONTROLLERS: FLYING & CAPTURING IMAGERY

It's easy—anyone can operate this solution. Each Omni Inspection package comes with two controllers: one controller to maneuver the Double 4K sensor, and one controller to manually fly the Omni drone and control a DJI payload. When manually flying the drone, both controllers will be used and two people are needed, one to operate each controller. When flying autonomously, number of operators needed will depend on which payloads are used. Smart devices sold separately.

Black controller to maneuver Double 4K sensor



White controller for manual flight of Omni Inspection drone and control DJI payloads



Contact us—let's do something amazing!

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