



## INFRASTRUCTURE INSPECTION MADE SIMPLE

The Spy II inspection system has been designed to safely inspect the most difficult places to reach (manholes, sewers, chimneys, towers, dams, and silos). Using a winch and lateral propellers, you can remotely investigate a cavity without the usual tradeoffs of a drone (limited flight time, crash risk, instability). With its stabilization algorithm in GPS-denied environments, its collision recovery capability, and its great versatility, it can easily be adapted to your specific application. The standard system is equipped with a 4K camera, but it can also host a multitude of sensors (LiDAR, thermal camera, etc.).



**User interface specifically designed for inspection**

- ✔ Battery state of charge
- ✔ Voltage level
- ✔ Signal strength indicator
- ✔ Camera's orientation
- ✔ Realtime HD video feed
- ✔ Winch status
- ✔ Distance sensor indication



### PRECISION

Inspect any vertical infrastructure with incredible precision. Its built-in stabilization algorithm ensures a clear image.



### EASY-TO-USE

Our easy-to-use inspection tool only requires an hour long training to operate.



### ROBUST

Our unique design makes it nearly impossible to damage so it's suitable for the harshest environments.



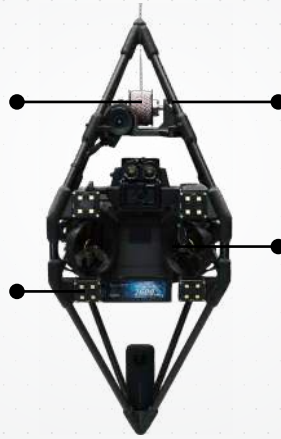
### VERSATILE

It can be installed under a beam, a crane, or even a drone allowing it to be lowered in hard to reach spaces.

# KEY FEATURES

The winch is integrated directly on the Spy II, which unreels the cable in a way that it does not scratch on surfaces. It has an auto-lock mechanism for additional safety.

Fully modulable LED lightning, to enhance cracks and defects on surfaces. With the beam light and camera that has optical zoom, you can see a far distance for detailed inspection.



The carbon cage makes the Spy II very robust and resilient to impacts. Its conical shape allows it to easily navigate through obstacles.

The thrusters with our active stabilization algorithm makes the camera steady for crystal clear images. The remote control lets you point the camera in any direction.

## SPY II SPECIFICATIONS

<b>CONFIGURATION</b>	Four propulsion units, Antagonist configuration, Planar orientation
<b>DIMENSIONS (CAGE)</b>	10.1 X 10.1 X 27 Inches
<b>DIMENSIONS (PELICAN CASE)</b>	17.1 X 13.3 X 31.1 Inches
<b>WINCH CABLE LENGTH</b>	0-30 m
<b>TOTAL WEIGHT</b>	3.3 kg
<b>MAX AUTONOMY</b>	35 min (using 2.6 Ah battery)
<b>MAIN CONTROLLER</b>	CUAV X7 flight controller (specsheet here)
<b>MATERIALS</b>	Carbon fiber composites, Carbon fiber reinforced Nylon 3D printing, aeronautical grade aluminum, 18-8 Stainless Steel fasteners
<b>OPERATING TEMP.</b>	-10 °C to 50 °C
<b>REMOTE CONTROLLER</b>	Herelink system
<b>VIDEO TRANSMISSION</b>	FCC 20km CE / SRRC 12km Image transmission delay: ≤ 110ms
<b>MAIN CAMERA</b>	SONY RX0 II 15.3 Megapixels., 20 cm minimum focus distance
<b>360 CAMERA</b>	Insta360 Virtual Tour Kit
<b>DISTANCE SENSOR</b>	TeraRanger Evo 15m (range finder)
<b>AMBIENT LIGHT MODULES</b>	4 x 2,000 lumens, remote controlled, dimmable
<b>BEAM LIGHT</b>	1,000 lumens, 10 m lens focal distance