

AT-SEARCHER

POSITIVE MISSION OUTCOMES WITH AUTOMATED AND RAPID SEARCH AND RESCUE TECHNOLOGY

The AT-Searcher is an airborne mobile phone detection and location system specifically designed for airborne search and rescue. Effectively turning a mobile phone into a rescue beacon. The system consists of the Aurelia Aerospace X6 PRO drone which is packed with features and the highest quality components.

The AT-Searcher benefits from the Smith Myers ARTEMIS T-U system integrated onto the carbon fibre loader area, a system engineered and designed to accurately locate mobile telephones in the challenging airborne SAR environment.

The system is automated, quick and very accurate, leading to rapid and positive mission outcomes, even in low light/IMC conditions.



SEARCH & RESCUE

Quickly identify, locate and communicate with persons in distress. Operates in poor light, with local network coverage or where there is poor or no coverage.

DISASTER RELIEF

Mass mapping and geofencing allows you to locate any powered mobile devices, send SMS to everyone in the area and receive SMS/calls from those in need of assistance.

BORDER SECURITY

Accurate detection and location of mobile phones inland, offshore and restricted areas, generate and send alerts to phones in those areas.

SPECIFICATIONS



Payload	ARTEMIS
Weight	1.4 kg
Form Factor	1.3 MCU
Global Cellular	All covered, 2G (GSM), 3G (UMTS), 4G (LTE) & 5G(NR)
Frequencies Input/Output	Single port for power, communications & GPS
Max Flight Speed	35 mph (56 km/h)
Max Wind Resistance	20mph (32km/h)
Max Service Ceiling	3000m ASL
Operating Frequencies	915 MHz (Worldwide) 433 MHz (Europe) 2.4 GHz (Herelink Ground Station Only)
Operating Range	Standard - 1.5 mile (2.4 km) With Herelink - 3.0 mile (5 km)
Battery Type	Lithium Polymer (LiPo)
Battery Capacity	2 x 10,000mAh
Battery Voltage	22.2V
GPS	uBlox ZED F9P
GPS Constellation	GPS, GLONASS, Galileo, BeiDou
Rangefinder LIDAR Accuracy	+ / - 2cm
Rangefinder LIDAR Range	0 - 40m
Compass	RM3100
Redundancy	2 Accelerometer / 2 Gyroscopes / 1 Mag
ADS-B (Cube Only)	uAvionix 1090 with 12 mile (20 km) range

