FORTS NANO UAS

Overview

Fortis is a Sub 250 gram, Nano Unmanned Air System, designed and manufactured in the UK, which is a lightweight, rapidly deployable and simple to operate tactical asset. It features a high resolution EO camera and optional IR camera enabling indoor, outdoor, day or night reconnaissance. While the adaptable mission payloads enable the operators to dynamically adapt the system in support of the situation.

Application ____

Defence, Law Enforcement, Gov Immediate Situational Awareness Beyond Visual Line Of Sight ISR Indoor or outdoor operations

Advantage

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Rapid deployment

Deployable within 80 seconds, to acheive real time situational awareness.

Tactical advantage

Provides organic ISR in a timely manner, enabling friendly forces to gain the tactical advantage.



Lightweight and portable, total carryable system <2kg, easy to use with minimum training.



Field swappable payloads enable operators to immediately adapt the system in support of the situation



Resilient

Operational in hostile and demanding conditions, dynamic RF and data encrypted to AES256



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FORTIS

Specifications

Physical	Specification
Weight	Air Vehicle < 250 grams
	Total System < 2 kilograms
Dimensions	23 cm (unfolded) 11cm (folded)
Imaging	
EO	1080p
Infrared	250x190
	2500190
Payloads	Thermal Distractor details on request
Removeable, Performance	Thermal, Distractor, details on request
	unte 20 minutes
Endurance	upto 30 minutes
Speed	Indoor: 1.5m/s Outdoor: 12m/s
Datalink	r
Range	upto 4km
Frequency	Details on request
Performance	Dynamic, Encrypted AES256, BVLOS
Environmental	
Temperature	-10 °C to +40 °C
Navigation	
GNSS (outdoors)	Return to Home/Link Loss
GPS Denied	Indoor and Outdoor
Mapping	Online/Offline Maps, Geotiff
Flight Modes	
User Control	Semi Autonomous Manual Flight
Autonomous	Mission Plan and Waypoints
Safety	Return to Home, Lost link
Data Security	
Video/Images/Meta	AES256 Encrypted
Power	
Common Battery	Removeable & Rechargeable
Charging	230/120v, 12v Vehicle, USB, BA5590
Interoperability	·
Platform	ATAK Compatible

Technical Images



Figure 1, Fortis folded and unfolded in hand.

Downlink Imagery



Figure 2, EO downlink imagery

Figure 3, IR downlink imagery (indoor and outdoor)



For more information contact: sales@ant-scientific.com www.ant-scientific.com +44 (0) 208 398 2683 © 2023 Advanced Nano Technologies and Scientific Itd. All specifications are subject to change. It is the policy of ANT Scientific to comply with all applicable laws and regulations of the United Kingdom and the jurisdictions in which we do business related to the export of our products and services. This product datasheet does not contain information controlled under UK Export Control Law.