

THOR

Military multi-purpose UAS





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The THOR mini UAS is a fully autonomous tactical multi-purpose platform designed to support a wide range of military operational applications, scenarios and missions.

Operational advantages

Suitable for missions in various combat environments, including urban, maritime and open terrain, THOR can operate as a standalone UAS or integrate seamlessly into an autonomous swarm for intelligence missions, mapping, patrolling, search and attack and closing the sensor-to-shooter cycle. THOR features automatic takeoff and landing, autonomous flight, real-time navigation

modes, advanced AI algorithms, object detection and recognition and GPS denied navigation capabilities. The foldable platform is stored in a backpack for easy, rapid deployment in less than two minutes.

Versatile payload configurations

The tactical, multi-mission quadcopter has payload capacity of up to 13 kg in various configurations. Modular mounting plates and seamless integration enable a high level of versatility. Drone functionality can be switched through quick and easy payload replacement in real-time by soldiers in the field.

ISR



High-resolution, real-time intelligence, surveillance and reconnaissance capabilities, day and night, even in severe weather.

Powerful AI and classification algorithms provide cutting-edge ISR dominance.

- Dual EO/IR 3-axis stabilized camera
- Thermal observation with long-range visible imagery
- VMD/ATR capabilities

LTD



Targeting and laser target designation at the tactical echelon. Compatible with all major standards, including NATO 3373.

- Integral EO/TI sensor
- Spot detection capability

Cargo



Carries up to 13 kg of cargo supply such as ammunition, medical aid and logistics.

- EO/IR payload
- Designed for bulk load

Dropper



Tactical air dropping UAV for a wide array of applications, flexible and easy to maintain. Autonomous flight and operation controlled from the GCS.

- EO/IR payload
- Single/multi-dose release modes
- Can carry and deploy up to six grenades of lethal and non-lethal types

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Key Features

- Autonomous flight capability
- Single/Swarm operation
- GNSS denied navigation
- Advanced AI algorithm
- Object detection and recognition
- Advanced C⁴I mission software
- Foldable and easy deployment
- Mil-Standard

Specifications

Parameter	Description
Typical operational alt	10-2000ft
Range	15km
Operational speed	0-45kph
Max alt (ASL)	12,000ft
System weight (inc. battery)	10kg
Flight endurance	<70 min, with NH2 EO sensor
Max payload weight	13kg
Max takeoff weight	25kg



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