

TUNGA X

STM INTERCEPTOR
DRONE SYSTEM



 **STM**

TECHNICAL SPECIFICATIONS

STM INTERCEPTOR DRONE SYSTEM

The STM Interceptor UAV System is a high-speed, rotary-wing interceptor designed to neutralize low-cost and hard-to-detect enemy UAV assets to ensure the protection of critical facilities and military units. With a take-off weight of approximately 4 kg, the system is engineered for single-use (kamikaze) missions with a lethal payload capacity, while also featuring return-to-home capability for operational flexibility.

Leveraging its multi-rotor architecture, the system can perform vertical take-offs from confined spaces, providing an autonomous and cost-effective "Anti-UAV" solution against asymmetric threats. Operating in full integration with UAV Detection Radars, the system tracks the approach corridor data of detected threats in real-time. It ensures the precision kinetic neutralization of enemy UAVs mid-air by utilizing target trajectory updates throughout the entire flight envelope.

SYSTEM CAPABILITIES

- › Launcher-Free Vertical Take-Off to Mission Altitude
- › Autonomous Target Tracking and Engagement
- › Image-Processing-Based Engagement or Coordinate Attack During the Cruise Phase
- › Interception via Proximity Fuze
- › Fully Autonomous Mission Capability
- › Launch Capability from Land, Air, and Naval Platforms
- › Day and Night Operational Capability

SPECIFICATIONS

Weight	4 kg	Proximity Sensors	Lidar / Radar
Payload Capacity	750 gr. Lethal Payload	Control Modes	Manual and Autonomous
Range	25 km (150 km/h - 1500 m AGL)	Attack Modes	GNSS Guidance / Optical Guidance
Flight Endurance	15 minutes	Airframe Structure	Lightweight Composite Material
Maximum Flight Speed	300 km/h	Neutralization Mechanism	Proximity, Impact Sensor, or Manual Triggered Detonation
Mission Altitude	5000 m (AGL)	Imaging System	EO/IR (Day and Night)
Target Tracking	Image Processing Based Autonomous Tracking	Launch Mode	Launcher-Free Vertical Take-Off

STM SAVUNMA TEKNOLOJİLERİ MÜHENDİSLİK VE TİCARET A.Ş.

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