



 **BAYKAR**





TECHNICAL FEATURES

Service Ceiling	10,000 ft
Operational Altitude	6,000 ft
Communication	LOS
Communication Range	80+ km
Operational Range	500 km
Endurance	6 hours
Cruise Speed	48 KIAS
Max. Speed	55 KIAS
MTOW	78 kg
Payload Capacity	3 kg
Takeoff/Landing/Cruise/Taxi	Autonomous Vertical Takeoff and Landing
Power Plant	4x Electric Motors and 1x Internal Combustion Engine
Payload	Interchangeable EO or IR Cameras, Tracker/MTI (Multiple Target Identification), Laser Rangefinder
Wingspan	5 m
Length	1.9 m
Height	0.7 m

CAPABILITIES

Communication via TB2, TB3 or AKINCI as a relay
Anti-Jamming System
Visual Localization
Digital Data and Video Link
Ground Base Radio Navigation (TRNAV) (optional)
Sensor-Fusion-Assisted, Fully-Autonomous Takeoff, Cruise and Landing
Intelligence and Surveillance Operations in Daylight and Night Conditions
Target & Damage Assessment and Artillery Firing Regulation in Reconnaissance and Attack Missions
High Performance Image Stabilization
Detection, Recognition, Identification and Tracking of Fixed or Moving Targets

ADVANCED FEATURES

High Endurance and Low Fuel Consumption
Ability to Operate in Narrow Spaces with Vertical Takeoff and Landing Capability

BAYRAKTAR KALKAN

Surveillance and Reconnaissance

The Bayraktar KALKAN VTOL is a highly versatile platform specifically designed for intelligence, surveillance, and reconnaissance (ISR) missions. It is capable of fully autonomous takeoff, cruise, and landing operations, as well as semi-autonomous cruise missions.

The Bayraktar KALKAN is a vertical takeoff and landing (VTOL) system capable of fully automatic operations without the need for a runway. It utilizes electric motors during vertical takeoff and landing phases, and transitions to an internal combustion engine for efficient forward flight and cruise operations. The system features an advanced flight control architecture, enabling autonomous route tracking, object tracking, loitering, and return-to-home functionality.

