BAYKAR

baykartech.com

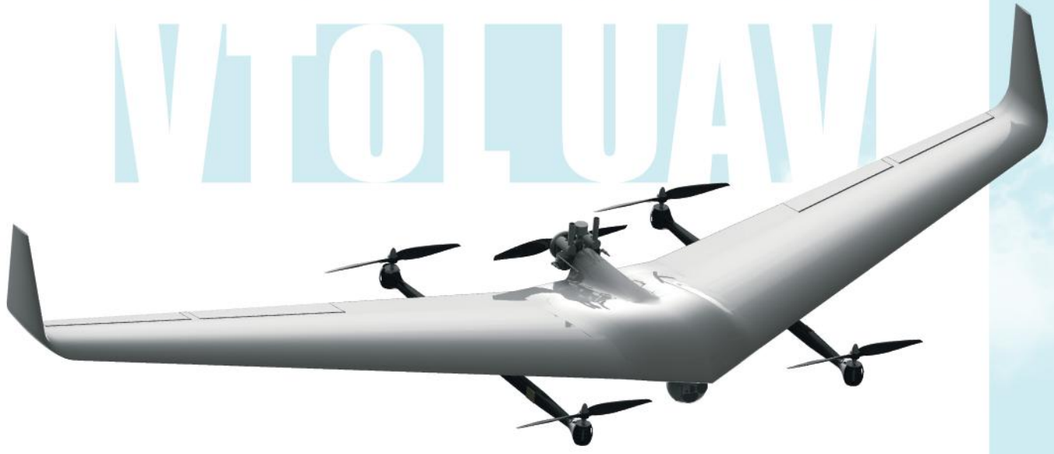
BAYRAKTAR

MİNİ UAV

BAYKAR

BAYRAKTAR

VTOL UAV



TECHNICAL **SPECIFICATIONS**

Comm. Range	< 150 km
Cruise Speed	45-50 knots
Maximum Speed	80 knots
Operational Altitude	9000 ft
Ceiling Altitude	15000 ft
Endurance	< 12 h
Span	5 m
Length	1.5 m
Take Off/Landing	VTOL
Maximum Take Off Weight	30 kg
Payload Capacity	< 5 kg
Engine Type	6 HP Internal Combustion Engine (Elektronic Fuel Enjection)

TECHNICAL **CAPABILITIES**

Fully Autonomous Flight System
Fully Autonomy with Aided Sensor Fusion
Autonomous Take-Off and Landing System
Semi Autonomous Flight Mode
Error Proof System Architecture
Triple Redundant Flight Control System
Dual Redundant Servo Actuators
Electro-Optical (EO) Camera Module
Infrared (IR) Camera Module
Laser Range Finder
Laser Pointer
Digital Data and Video Link

BAYRAKTAR VTOL TACTICAL UAV

Bayraktar Vertical Take-Off and Landing Unmanned Air Vehicle (VTOL UAV) is a tactical aircraft which is developed for military reconnaissance and intelligence missons. This UAV can implement autonomous cruise, autonomous take-off and landing, and semi autonomous cruise.

Firstly, Bayraktar VTOL takes off with its electrical motors; then, it perform cruise mode with fuel engine only. There are three options for landing; vertical landing, on aircraft body or with parachute. Also, Bayraktar VTOL has flight control system that can perform autonomous route tracking, object tracking, orbiting, return-to-home.