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AKSUNGUR

High Payload Capacity UAS

Turkish Aerospace
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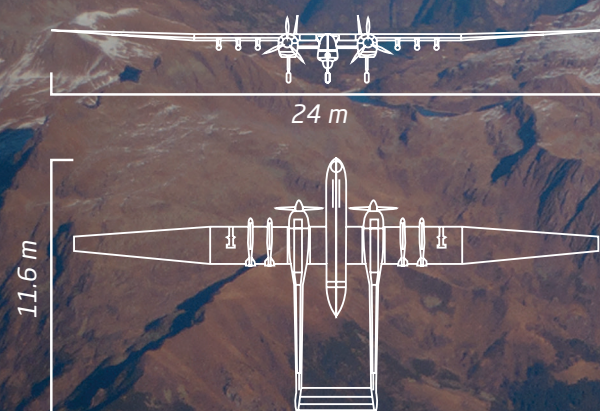


AKSUNGUR

High Payload Capacity UAS for Persistent Multi Role ISR & Strike Missions

AKSUNGUR is a Medium Altitude Long Endurance (MALE+) class UAV System, capable to perform day and night Intelligence, Surveillance and Reconnaissance (ISR) and strike missions with EO/IR and SAR payloads, and a variety of air to ground weapons.

AKSUNGUR is powered by two PD-170 twin-turbocharged diesel engines enabling long endurance operations up to 40,000 ft.



TECHNICAL SPECIFICATIONS

DIMENSIONS

Wing Span	24.2 m
Length	12.5 m
Height	3.1 m

PERFORMANCE

Endurance	50 hours
Service Ceiling	40,000 ft (MSL)*
Payload Capacity	750+ kg
Max. Takeoff Weight	3,300 kg
Datalink Range	250+ km
Engine Type	PD-170 Dual Turbo Diesel
Engine Power	2x170 HP (SL, ISA)*
Ground Attack/Maritime Mission	12 hours at 25k ft with 750 kg

*MSL: Mean Sea Level, SL: Sea Level, ISA: International Standard Atmosphere

SYSTEM FEATURES

- Fully autonomous operation
- Redundant automatic flight control system
- Redundant automatic take-off and landing system
- Redundant electrical power generation system
- Redundant digital datalinks with encryption
- DO-178B compliant software
- DO-254 compliant hardware
- GCS and datalink compatibility with existing ANKA UAV systems
- Ice protection system (optional)
- Beyond Line of Sight (BLOS) operation flexibility with SATCOM (optional)

PAYLOAD OPTIONS

IMAGE INTELLIGENCE PAYLOADS

- EO/IR/LD/LRF Camera
- SAR/GMTI-ISAR
- Wide Area Surveillance Camera

MARITIME PATROL PAYLOADS

- SAR/GMTI-ISAR
- Automatic Identification System
- Sonobuoy Pod
- MAD Boom

COMMUNICATION PAYLOADS

- SATCOM
- Personnel Locating System (PLS)
- V/UHF Radio Relay
- Airborne Communications Node Pod

WEAPONS OPTIONS

- 3 hardpoints on each wing with 500 kg, 300 kg and 150 kg capacities
- TEBER-81 (Laser Guided Mk-81)
- TEBER-82 (Laser Guided Mk-82)
- L-UMTAS
- MAM-L (L-UMTAS Guided Missile Variant)
- Cirit
- MAM-C (Cirit Guided Missile Variant)
- HGK-3 (Precision Guidance Kit)
- KGK (82) (Wing Assisted Guidance Kit)
- Small Diameter Bomb



SURVEILLANCE AND RECONNAISSANCE VARIANT

GROUND ATTACK VARIANT



MARITIME PATROL VARIANT