

ALPAGU B

FIXED WING LOITERING
MUNITION SYSTEM



TECHNICAL SPECIFICATIONS

FIXED WING LOITERING MUNITION SYSTEM

The ALPAGU-B Fixed-Wing Tactical Level Loitering Munition UAV System has been primarily designed for the precise neutralization of beyond-line-of-sight targets, the system can also support reconnaissance and surveillance missions. The system is capable of performing navigation either autonomously or via a remote flight control system.

The system consists of the following components: the Fixed-Wing Loitering Munition UAV, the Launcher System, and the Ground Control Station.

CAPABILITIES

- › Reliable Day and Night Operation
- › High-precision strike capability
- › Low radar cross-section platform design
- › High-performance navigation, flight control, and guidance algorithms
- › Ease of transportation and operation
- › Mission abort and emergency modes
- › MIL-STD-331 compliant high-energy advanced electronic munition safety, arming, and fuze systems
- › Indigenous hardware and embedded software
- › Wide lateral field of view
- › Next-generation AI-supported image-processing-based guidance and control capability

SPECIFICATIONS

Control Distance	40 km (LOS)	Imaging System	EO/IR Camera
Security	AES-256 encryption	Warhead	4 kg
Endurance	40 minutes	Payload Capacity	6 kg
Weight	20 kg	Wind Resistance	15 m/s
Cruise Speed	108 km/h	Operating Temperature	-20°C to +40°C
Operating Altitude	50-1000 AGL		

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