KARGU™ is a rotary wing attack drone that can be deployed and operated by a single personnel in both autonomous and manual modes. The system is engineered specifically for anti-terror and asymmetric warfare scenarios.

KARGU™ can rapidly and effectively respond against stationary or mobile targets (i.e. vehicle, person etc.) through facilitating its embedded real-time image processing capabilities and machine learning algorithms.

The system is comprised of the Rotary Wing Attack Drone and Ground Control Unit.
KARGU™
Autonomous Rotary Wing Attack Drone

Capabilities

• Reliable day & night operation
• Autonomous and precise hit with minimal collateral damage
• Multiple warhead configurations
• Joint autonomous tracking, steering & hit
• High performance autonomous dispatch and operation algorithms
• Deployable and operable by single personnel
• In-flight mission abort and emergency self-destruction
• Platform-tailored, advanced electronic ammunition safety, setup and trigger systems
• Detonation of warhead at desired altitude
• Ability to manually operate through computer vision
• Embedded and real-time object tracking, detection and classification
• On-field warhead load
• 10x optical zoom
• 2-axis stabilized gimbal
• User-friendly Ground Control Unit interface

Technical Specifications

Range: 5 km
Endurance: 15 min
Mission Altitude: 500 m
Maximum Altitude: 2500 m (MSL)
Maximum Speed: 72 km/h
Dimensions: 780 mm (rotor to rotor)
Weight: 6.285 gram
Wind Tolerance: 10 m/s
Operating Temp.: -10 / +50 °C
Power: LiPo Battery