

**CONCEPT OF OPERATION**

**1**

Fly High & Fast  
Covert Mode

**2**

Target  
Acquirements

**3**

On-board  
AI targets  
Classification

**4**

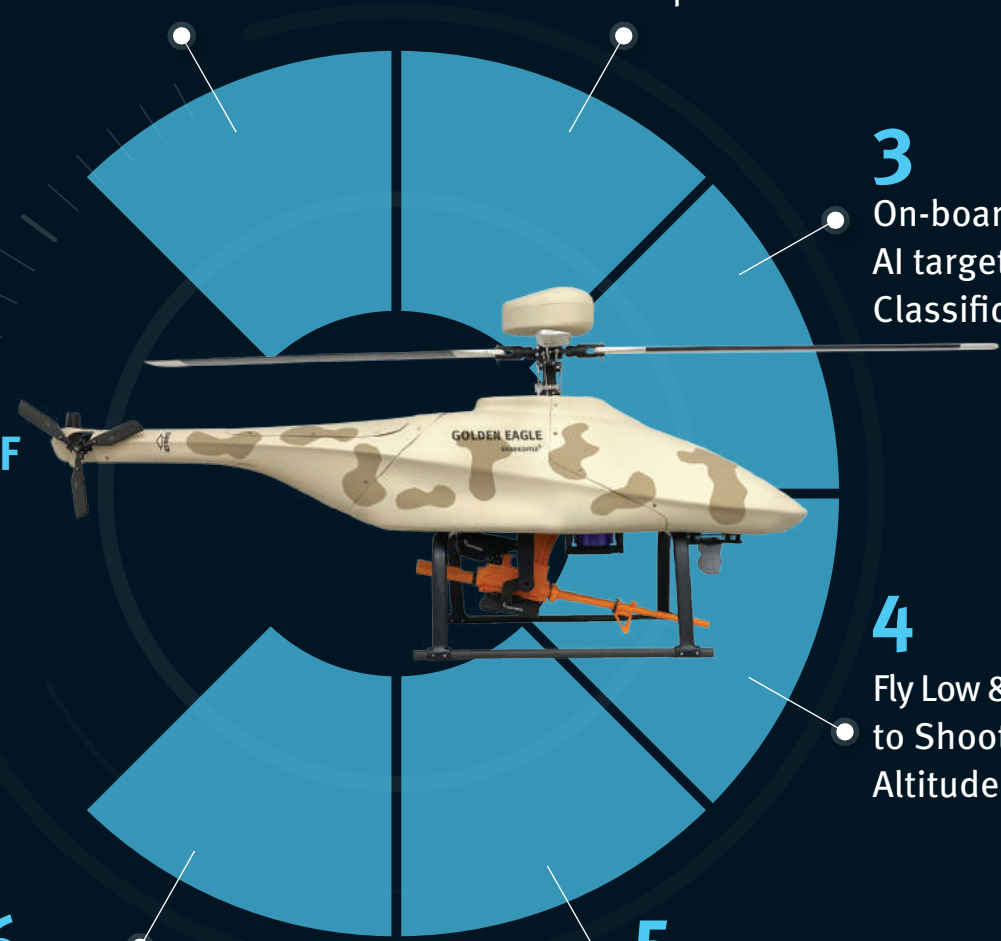
Fly Low & Slow  
to Shooting  
Altitude

**5**

Engaging Targets

**6**

Fly Back to a Higher  
Altitude for Battle Damage  
Assessment



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**Golden Eagle LS (Light Strike)**

Unmatched Mastery in Aerial Tactical Operations

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## Golden Eagle LS (Light Strike)

The Golden Eagle **Light Strike** (LS) represents a groundbreaking development in unmanned aerial technology, combining precision strike capabilities with unparalleled flexibility for both military and security forces. Based on the combat-proven Black Eagle 50E platform, the advanced system, integrates cutting-edge technologies to offer complete terrain dominance with pinpoint accurate lethal capabilities and an independent closure of the Sensor-to-Shooter cycle. This ensures not only mission success but also enhances the safety and operational effectiveness of maneuvering forces, minimizing their exposure to hostile environments.

## System Components

- Air-Vehicle: Golden Eagle LS Air Vehicles, featuring advanced flight capabilities.
- EO/IR Payload: Provides high-resolution imagery for day and night operations.
- Remotely Controlled Weapon Station (RCWS)
- Ground Control station (GCS): Command and control station for operations.
- Ground Data Terminal (GDT): Establishing secured communication between the RUAV and the GCS.
- Ground Support Equipment (GSE): Ensures operational readiness and maintenance.

## Advanced technologies

### Remote Controlled Weapon Station (RCWS)

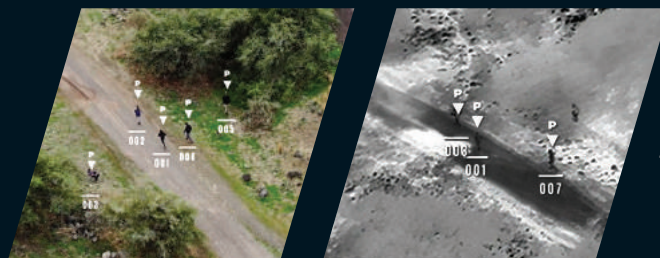
Ensuring precise target elimination, compatible with various assault rifles (5.56, 7.62), sniper rifles, and 40mm grenade launchers.

- Automatic target detection and identification
- Locks and tracks targets, ensuring precision in crowded settings
- Clear Day/Night operation capabilities
- Precise neutralization against ground threats minimizing collateral damage
- Autonomous / Manual flight that allows risk-free operation from a distance

### AI-based Software

For superior situational awareness with autonomous multi-target classification & tracking, integrated seamlessly for optimal performance.

- Detect & track static or moving objects
- Preserve lock on moving objects in dynamic scenarios
- Follow multiple object types simultaneously
- Region of Interest selection
- Range estimation to target
- Supporting object's blocking of 30%-50%
- Support all operational wavelengths
- Generate real-time insights from live streams & VOD



## Key Advantages

- ✓ **Automatic Vertical Take Off and Landing (VTOL):** Ensures operational flexibility in varied terrains.
- ✓ **Steady Hovering:** Stable aerial reconnaissance and engagement.
- ✓ **Covert Operation (until firing):** Low visual, acoustic, thermal and radar cross-section (RCS) signatures.
- ✓ **Mission continuation in GPS-denied environment.**
- ✓ **Maneuverability and Adaptability:** Expands operational reach and mission capabilities.
- ✓ **Advanced Datalink Options:** Offers secure communication and real-time data transmission.
- ✓ **Environmental Resilience:** Reliable operation in diverse weather conditions.
- ✓ **Ease of Operation:** Simplifies mission planning and execution.
- ✓ **Small Logistic Footprint:** Small size, lightweight and can be operated by a two crew members.