

# ARGO 360

Autonomous gimbal for Mini-UAV

## Wide-Area Surveillance and Real-Time Detection



### Wide Field Coverage

75° Vertical Field of View (VFOV) and 360° automatic panoramic scanning



### Automatic Detection

Real-time threat identification and event generation



### Optimized Threat / Event Assessment

Higher resolution spotter camera for visual confirmation

## Technical Specifications



- **Weight:** 2,5 kg
- **Diameter:** 180 mm
- **Sensors:** 6 cameras (2 EO, 3 LWIR, 1 Spotter EO)
- **Resolution:** 55 Megapixels total
- **Vertical Field of View (VFOV):** 75°
- **Surveillance capability:** up to 500 km<sup>2</sup> covered per hour\*

\*Performance measured with Delair DT46 flying at 1000 meters above ground level

# Focus on the detected targets while keeping an eye on the full scene



# Onboard AI Edge Processing



Uncompressed video is processed onboard to detect and geolocate events in real time.

This enables **flexible data link** usage: from low bandwidth—sending only detections (snapshots + coordinates)—to high bandwidth with adaptively compressed real-time video streams.

## Why Choose **ARGO 360**?



- **Reliability & Accuracy**

Autonomous surveillance powered by advanced detection algorithms.

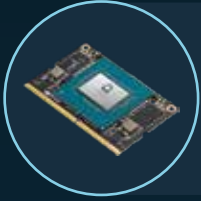
- **Resource Optimization**

Efficient bandwidth usage and reduced operator cognitive load. Support black-screen mode when operator is only notified when an event of interest occurs.

- **Adaptability**

Perfectly suited for perimeter security, border monitoring and protection of critical infrastructure over large areas.

# Embedded Intelligence & Control Station



**Aquila Mini:** Embedded AI for optimized target detection and tracking providing real-time geo-coordinates with Target Location Error (TLE) qualification.




**Dedicated GCS (Ground Control Station):** User interface for event monitoring, threat confirmation analysis and UAV system status tracking.



**Multi-Gimbal Operation:** Centralized GCS for simultaneous management of multiple gimbals with integrated map-based situational awareness.

For more information on **ARGO 360** visit:



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