

Multi-Domain AI
+ Computer Vision



WALARIS®

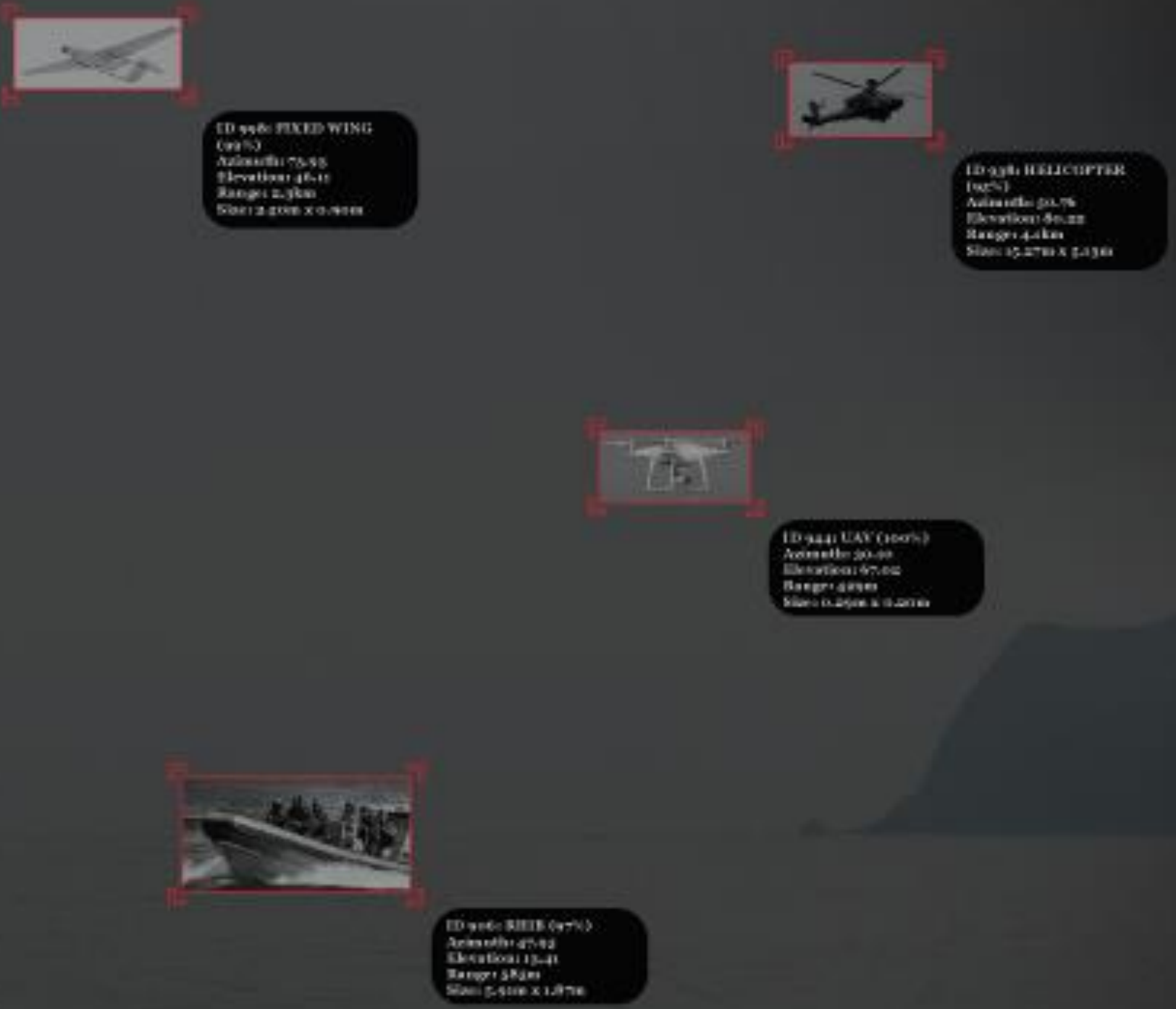
AirScout Tactical Rapid Deployment Kit

Mobile Counter sUAS Solution

Detection, classification and tracking of sUAS swarms and other complex aerial threats



- AI-based sensor processing and fusion, using neural networks & machine learning
- Fast automated response to detections by a radar or passive sensor (sensor fusion)
- Automates the positive identification response chain, with “human on/in the loop”
- Precise positional data with high-update rates for guided cuing of effectors



Multi-Domain AI + Computer Vision



WALARIS[®]

Exemplary sensor configurations

Includes AirScout AI software, GUI & maintenance



Low Range Setup

Sensor <ul style="list-style-type: none"> ▪ EchoGuard 120° Radar ▪ Axis Q6225 PTZ camera ▪ <i>Optional: wiseled active illumination</i> 	max. range for sUAS* / Shaded Tracking 1000 / 2.500m Daylight classification 500 / 7.000m <i>Night classification 300m</i>
---	--

Medium Range Setup

Sensor <ul style="list-style-type: none"> ▪ EchoGuard 360° Radar ▪ OpenWorks Vision Flex EO 360 camera ▪ OpenWorks IR HD420 camera 	max. range for sUAS* / Shaded Tracking 1.000 / 2.500m Daylight classification 1.000 / 15.000m Night classification 400 / 6.000m
--	---

High Range Setup

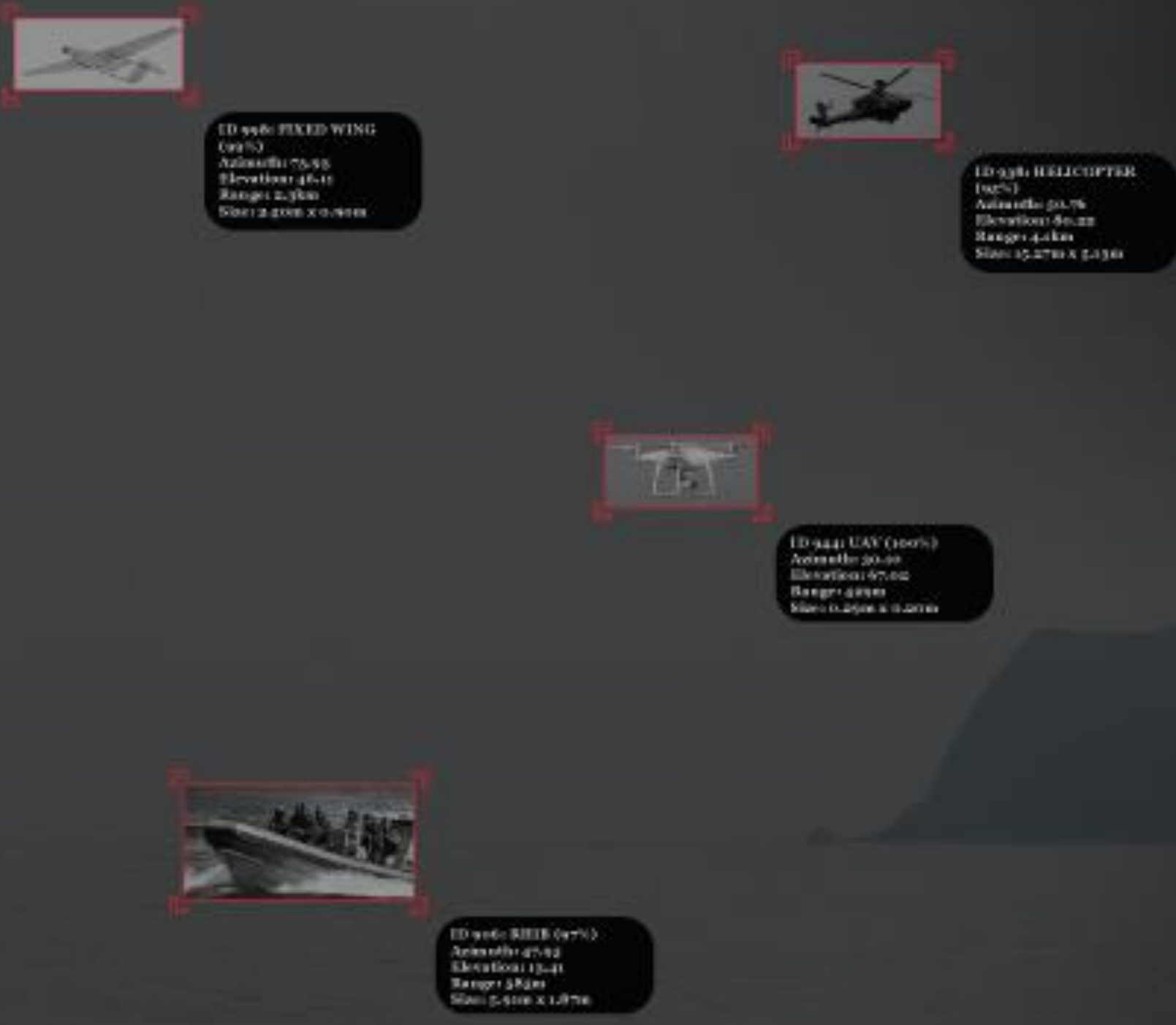
Sensor <ul style="list-style-type: none"> ▪ EchoGuard 360° Radar ▪ OpenWorks Vision Flex EO 360 camera ▪ OpenWorks IR HD690 camera 	max. range for sUAS* / Shaded Tracking 1.000 / 2.500m Daylight classification 1.000 / 15.000m Night classification 700 / 10.000m
--	--

Performance Setup

Sensor <ul style="list-style-type: none"> ▪ EchoShield 360° Radar ▪ OpenWorks Vision Flex EO 360 camera ▪ OpenWorks IR HD900 camera 	max. range for sUAS* / Shaded Tracking 3.000 / 10.000m Daylight classification 1.000 / 15.000m Night classification 900 / 13.500m
---	---

Optional Sensor 105° Squarehead acoustic sensor	max. range for sUAS* / Shaded up to 500 / 3.000m
---	--

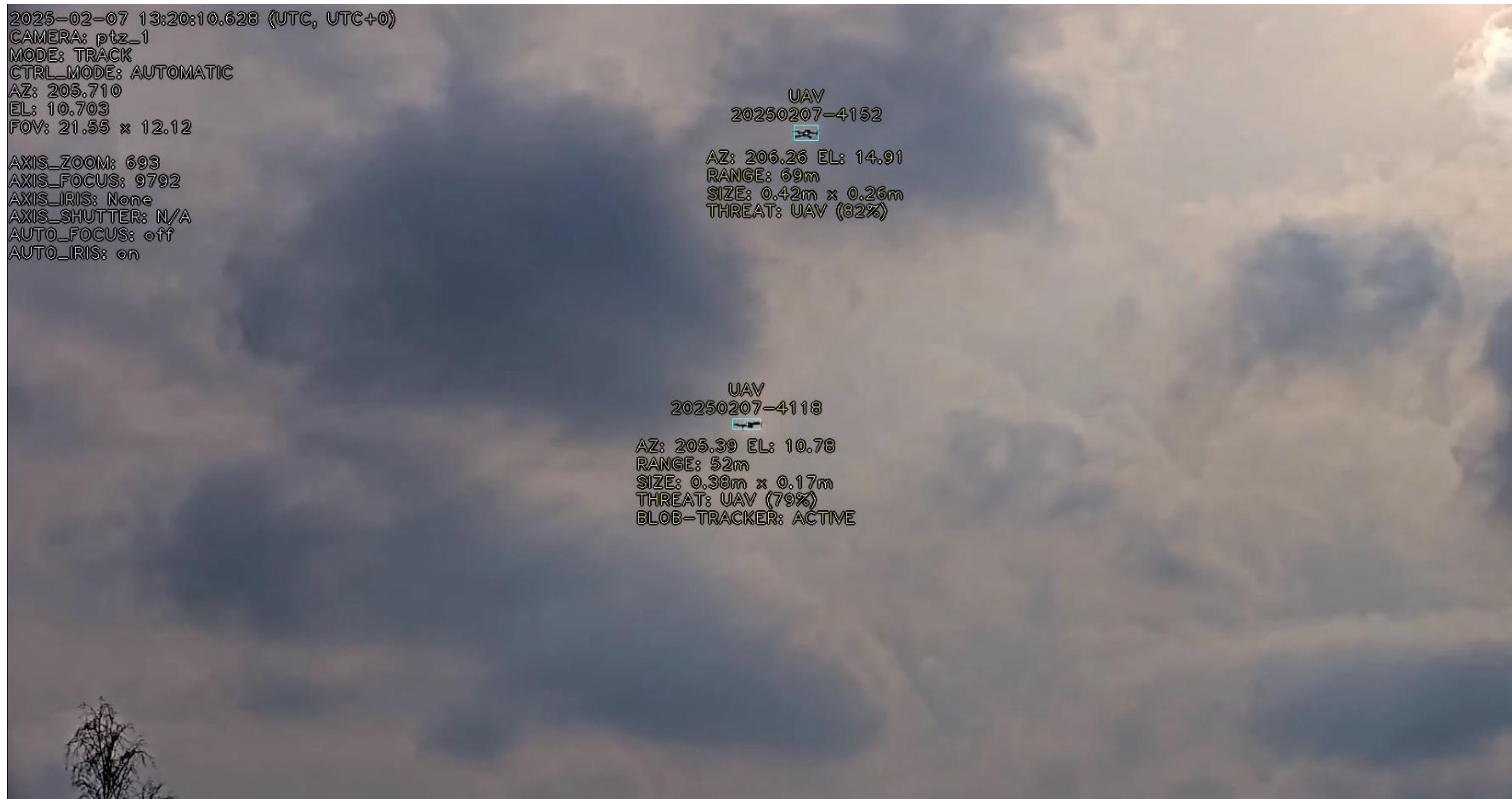
* sUAS size 0,2 m x 0,2 m / bigger objects = higher range



Multi-Domain AI + Computer Vision



WALARIS[®]



Soldier common solution

- Fusion of various sensors for every threat level
- AI on the edge: resilient to interferences and low bandwidth
- User friendly plug & play setup
- Easy to use interface on ruggedized tablet
- Low size, weight and power
- Designed for ease of operation and rapid deployment in a man-portable package
- Modular and configurable
- Affordable at scale

For more information please visit www.walaris.com or contact:

David Sonntag

Senior Director Business Development

+49 (0) 173 460 4081

David.Sonntag@eu.walaris.com