

SIGFLY

COMINT INSIDE UAV

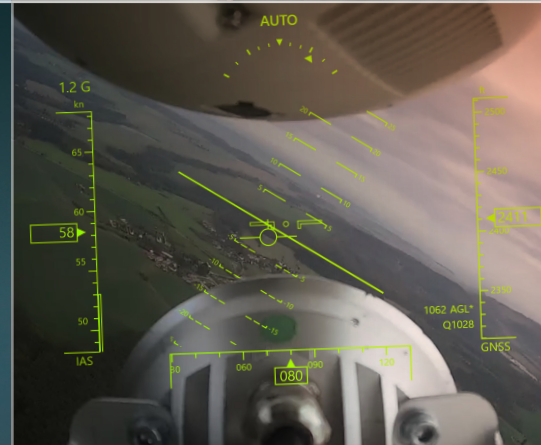


MULTIROLE
LONG DISTANCE
SENSOR UAV

Advanced mobile communication intelligence in combination with optical intelligence in a high performance, long range UAV of 100% EU & non-ITAR origin. This UAS (Unmanned Aerial System) contains a modular sensor-kit integrated into an UAV. The concept follows the vision of remotely controlled surveillance of long distant areas to fill reconnaissance gaps and to protect own units.

DATA-DRIVEN CRISIS PREVENTION

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Systems & Integration



MULTI-SENSOR

LONG-RANGE

HIGH-PERFORMANCE

SYSTEM FEATURES

UAV BUNDLE - SIGFLY



1 x

Ground control station with
autopilot software



3x

UAVs

2x

EO/IR cams

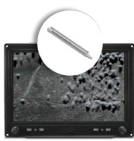
2x

IMSI catcher

FURTHER SENSOR OPTIONS



EO/IR/LRF



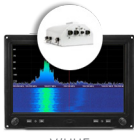
SAR/radar



Multispectral
scanner (sea)



Multispectral
scanner (land)



V/UHF
interception



SatCom
interception



IMSI catcher



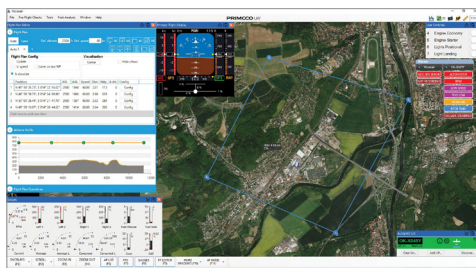
LIDAR



Ultra hi-res
camera

- ▶ Setup can be scaled flexibly
- ▶ UAS is prepared to swap out sensor kits
- ▶ Matching of individual missions
- ▶ The operator „owns“ the data - i.e. no back door, full compliance with security measures
- ▶ Additional sensors available
- ▶ Optional vehicle integrated ground control station

SOFTWARE



Mission GUI

- ▶ Autopilot function for predefined tasks
- ▶ Active flight re-routing possibility during mission
- ▶ GUI for optical sensor
- ▶ IMSI-Catcher GUI for geo-location of signals
- ▶ Results view in heat map
- ▶ Flight track generated according to selected POIs

KEY FEATURES

- ▶ Up to 15 hours endurance
- ▶ Integrated sensors in a field-proven carrier platform
- ▶ 30 kg sensor payload
- ▶ Multi-role capability to support joint land, sea and air operations
- ▶ Covert operation with low noise and visual footprint
- ▶ Fully automatic take-off and landing
- ▶ Compliant with EMAR 21, STANAG 4703, EU 945/2019 and 947/2019

BENEFITS

- ▶ Long-range reconnaissance and surveillance
- ▶ Border protection in harsh environments
- ▶ Rapid deployment and low operational costs
- ▶ Intelligence gathering to support own units
- ▶ Intelligence gathering with only one pilot and one operator

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