

GOR Unmanned Aerial System





GOR

Unmanned Aerial System
for surveillance and realtime
image transmission

 Up to 2.5 hours

 Up to 40 km real-time image

 Up to 160 km of the
flight path

 Up to 3500 m

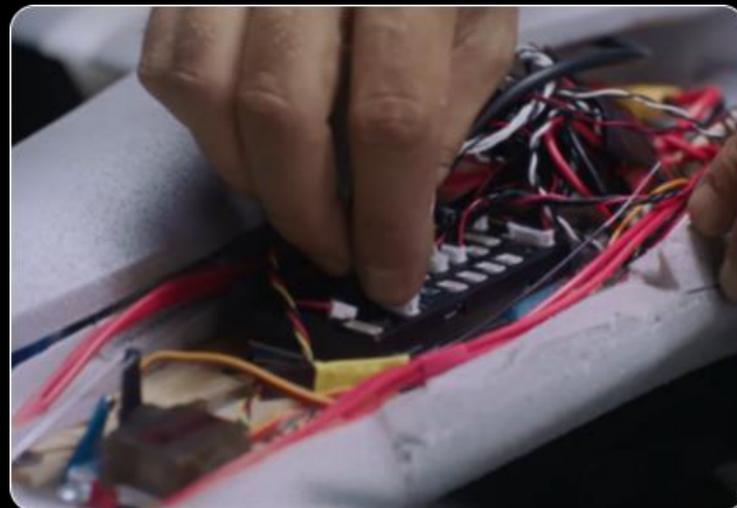
 Anti jamming
capabilities

 Catapult launch/belly landing

Development

Road to GOR UAS

Airlogix



2020

Airlogix was a start-up cargo UAV developer

2021

Building experience in UAV development and production

2022

Pivot from commercial cargo UAVs to military since Russian invasion in Ukraine

2023

"GOR" UAS development and first governmental contract

Main concept

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01 Easy to procure

Fast lead time of up to 60 days

02 Easy to maintain

No special tools required

03 Cost effective solution

Affordable solution compared to foreign competitors

04 Modular design

Up to 10 minutes required for system deployment



Our team developed such a system considering requests of the military units who demanded reliable and simple solution with fast lead time.

Technical

"GOR" UAS is a battle tested equipment with positive feedback from armed forces

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Time in air
Up to 2.5 h



Max flight speed
30 m/s (108 km/h)



Tactical range
40 km



Max flight range
160 km



Propulsion system
Electric



Operation altitude
1400 m



Wingspan
2.6 m



MTOW
11,3 kg



Takeoff/Landing
Catapult/Belly landing

Main features

During UAS operation our team has received comprehensive feedback from end users and partners and paid heed to it.

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01

Communication system has main and backup channel

02

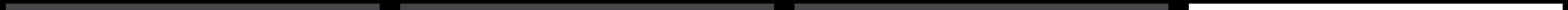
EO-IR camera system with 80x zoom with digital stabilization

03

Electric motor has low acoustic detectability

04

Can be operated in harsh environmental conditions (-20° to +50°C)



What's special?

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01 System Specifications

Main communication system has 700 MHz bandwidth alongwith 8 preset channel

02 System Bandwidth

Backup communicational system has 80 MHz bandwidth

03 Additional Functions

Backup communicational system is used not only for telemetry transmission, but also provides with coordinates of the UAV



Variability of payload

Depending on the request and task "GOR"
UAS can be equipped with different type of
camera system



Raptor

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Weight 640 grams

EO/IR

Zoom X80 (X40 + X2 digital)

Thermal Resolution 1280x720



NightHawk2

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Weight 250 grams

EO/IR

Zoom X40 (X20 + X2 digital)

Thermal Resolution 640x480



X80

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Weight 145 grams

EO

Zoom X40 (X40+X2 digital)



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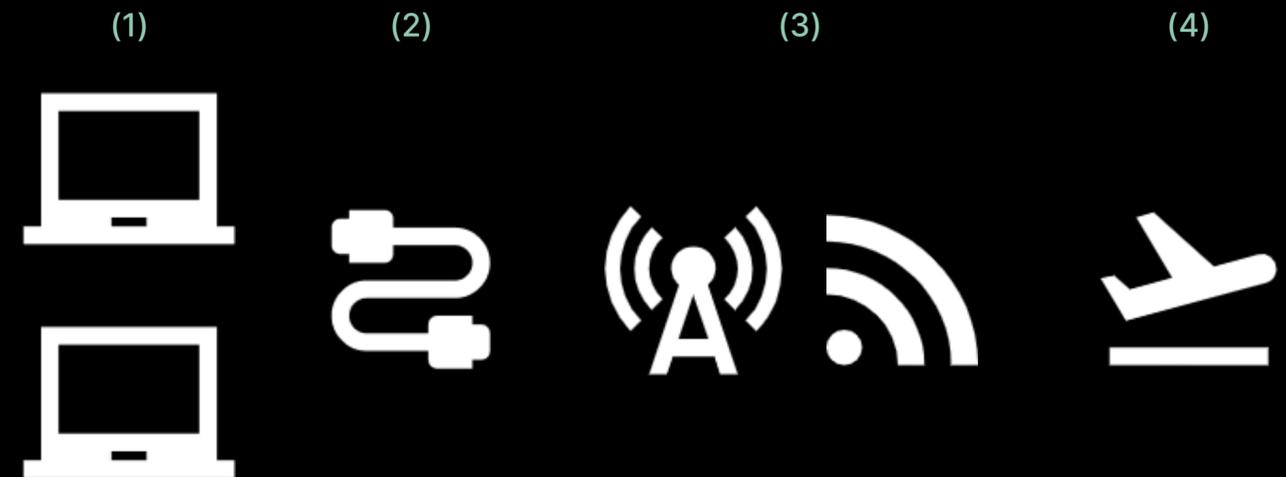
Weight 590 grams

EO

Zoom X90 (X30+X3 digital)

Ground Control Station

GCS developed for precise UAV operation. Communication equipment provides reliable connection between GCS and UAV for operation in severe EW environment.



GCS includes two rugged laptops (1) (UAV and gimbal control stations) for being able to operate from anywhere, communicational equipment (2), antennas (3) for data transmission, catapult launcher (4).

Recommended set of GOR UAS

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- | | |
|--|-----------------------------------|
| 3x UAV with EO-IR camera
NextVision Raptor | 1x Ground Control |
| 1x Tripod | 1x Antenna |
| 1x UAV control station | 1x Payload control station |
| 1x Catapult launcher | 1x Communication equipment |
| 9x Battery set for UAV | 2x Battery set for GCS |
| 1x Spare parts, tools and
accessories | 5x Transportation package |



Airlogix

Born in Ukraine.
Tested on the battlefield

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