

NOX ISR MICRO-UAV SYSTEM

Operational One-Pager



Overview

The NOX ISR system is a field-proven micro-UAV platform designed for close-range intelligence, surveillance, and reconnaissance (ISR) in complex environments. It provides immediate situational awareness before human entry.

System Configuration

Each set includes:

- 1 × Ground Control Station (Warm Station)
- 2 × Micro-UAV Units

Pricing

- EUR 100,000 per set

Availability

- Immediately available
- Sample units ready for deployment

Operational Use Case

Designed to assess high-risk environments prior to personnel engagement:

- Building entry and indoor reconnaissance
- Hostage situations
- Counter-terror operations
- Drug enforcement operations
- Urban intelligence gathering

Performance Highlights

- Indoor and outdoor capability
- Up to 25 minutes endurance
- >2.5 km operational range
- Real-time EO and thermal imaging (integrated)
- Capable of operating in near-total darkness (down to 0.1 lux)
- Obstacle avoidance with multi-directional sensors
- Dual drone operation from a single control station

Security & Communication

- AES-128 encryption
- Frequency hopping enabled
- Beyond-line-of-sight capability

Track Record

Thousands of systems deployed across Gulf region operators.

3. Comparison With BLACK HORNET 3

	NOX ISR MICRO-UAV SYSTEM	Black Hornet 3
Mission profile	ISR	ISR
Indoor/Outdoor	Indoor/ outdoor	Indoor/ outdoor
Max take-off weight (g)	53	33
Endurance (min)	25	20
Speed (m/s)	12.5	6
Range (km)	>2.5	2
Operational ceiling altitude (ft)	3000	N/A
Max wind resistance	8 m/s	5 m/s
Operational temperature range	-20°C to +45 °C	-10°C to +43 °C
Payload	. EO 1280 x 720 . Thermal: 256x192 . EO and Thermal integrated in one same drone	. EO (640 x 480) . Thermal (160x120) . EO and Thermal in different drone
Encryption	AES-128	AES-256
Frequency hopping	Yes	Yes
Beyond-line-of-sight capabilities	Yes	Yes
Frequency	1.4 GHz	-
Obstacle avoidance	Laser sensors on 3 sides of the drone, for obstacle avoidance	N/A
Simultaneous drone links	2 simultaneous drone links on one GCS	1
Training simulator	Yes	No
Flying in Dark Environment	Be capable of flying in indoor environments as low as 0.1 lux in dark conditions	No

Target Users

- Intelligence agencies
- Special forces units
- Law enforcement
- Counter-narcotics teams
- Private security organizations

Additional Material

- Videos available upon request
- Separate NDA required

Positioning

NOX is deployed, operational, and integrated into real-world missions.

It removes uncertainty before human exposure.

Contact

Available upon request.

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