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FALCON-2

FIXED-WING UAV

Start



Start with catapult mechanism

Landing



Manual landing with cross-type parachute
with landing on water ability

Boxing



Separate boxes for drone and catapult

General information about the complex

- Own development autopilot with standard interfaces of UAV Control System (UCS). for NATO UAV Interoperability (STANAG 4586).
- AES 128 encrypted telemetry and video links.
- Gimbals with target tracking, electronic video stabilization and target acquisition features.
- Water landing ability (optionally).
- Satellite telemetry (BLOS) link.
- Ground control station with multiple boards operation ability.
- Highly reliable propulsion system (up to 2000 moto hours) with extreme acoustic suppression muffler.

Technical specifications

Practical ceiling	5000 m
Endurance	Up to 12 hours
Speed range	70 - 150 km/h
Maximum takeoff weight	18 kg
Cruise speed	80 km/h
Payload weight	4 kg
Deployment time	15 min
Staff	3 persons
Telemetry radio link range (LOS)	80 km
Satellite telemetry link (BLOS)	Unlimited
Video downlink connection	Up to 70 km
Multiple boards ground control station	Up to 6 boards
Launch	Catapult
Recovery	Parachute and airbag
Propulsion	4-stroke gasoline engine

Payload modules:

Aerial photo mapping package	40 MP photo camera
EO/IR gimbal	Full HD 30x optical zoom / IR 640x480 25"
	target tracking with electronic video stabilization, target acquisition features
IR gimbal	IR 640x480 75"
	4x electronic zoom for high altitude night operations
EO gimbal	Full HD 30x optical zoom for only daytime operations
Repeater	Data and video link repeater equipment

\$300 000 EXW*

*Price for configuration with 3 UAVs, 3 payload modules
(1 EO/IR gimbal, 1 IR gimbal, 1 EO gimbal, 1 aerial photo mapping package),
1 ground control station, 1 catapult