



SKYROBOT™ FX20

Unmanned Aircraft System

The System

The FX20 Unmanned Aircraft System (UAS) is a high mobility surveillance system for your medium range needs.

The FX20 system is operated by a crew of two and can be launched in less than 20 minutes. The complete system fits in a small truck/van and its portable launcher and net/skid recovery allows for runway independent operations and easy of logistics.

The FX20 can be operated under the 55lbs FAA regulations for Small Unmanned Systems.

- Low Noise Signature Electrical Power
- Low Drag & Low Observable Flying Wing
- Three Hour Plus Flight Duration

It's a quite and fast surveillance solution for persistent patrolling of your premises.



Performance

- Endurance: +3hrs
- Service ceiling: 4000m
- Wind resistance: 30kts

Technical Specification

- Wingspan: 3.0m
- Airframe length: 1.0M
- MTOW: 12kg
- Payload: EO/IR with geo-location and LRF
- Propulsion: electric
- Take-off: Mobile launcher
- Landing: Net or conventional skid-landing



FX20 is a quiet, extremely stable and combat ready air vehicle. A high endurance electrical UAV capable of automatic take-off and landing, with way-points changeable in flight. A payload potential capable of carrying the latest EO/IR payload to support your day and night missions.

- Very Stable Platform with great ability To handle strong winds
- High Structural Strength = Less Component Damage on Landing
- Endurance Advantage Means Fewer Aircraft, Less Landings, Less Fatigue, Therefore Less Maintenance resulting in a significantly lowered Life Cycle Costs Due To FX20 high Endurance Ability (Less Aircrafts Required)

Convoy capability
Given that the FX20 can fly +55 knots for 3+ hrs, each vehicle can cover at least 300km of roadway. Since our GCS can control multiple air vehicles, it is possible to provide a constant swarm of reconnaissance air vehicles over a convoy by launching one vehicle every 3 hours. The extended coverage that a FX20 can provide is ideal for searching and locating improved explosive devices (IEDs).

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