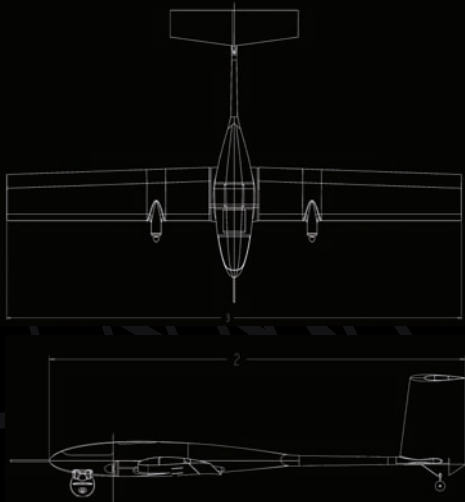




CONDOR 300



Optimum Solutions' Condor Autonomous Unmanned Aerial System is a long-range extended loiter observation and monitoring platform designed specifically for the growing UAV's civilian market.

The aircraft has full autonomous capabilities so that its complete flight plan (take-off, climb, cruise, loiter, and land) can be programmed into the aircraft on the ground or it can be modified once the aircraft has been airborne.

Condor is an electric powered mid-wing monoplane with slender fuselage, and T-tail configuration.

The Condor 300 airframe is constructed entirely using carbon fiber and epoxy resin and it has been optimized for maximum strength and minimum weight, producing a very strong, robust airframe at low structural weight.

FEATURES

Electric Powered

- Extremely clean and quiet operation
- Eliminate fuel contamination on payloads
- Motors installed on wings.
- Vibration Reduction on fuselage
- Electrical System Redundancy

Tail Dragger Landing Gear

- Increased lateral stability of the aircraft on the ground.
- Increased payload volume on the fuselage nose
- Exchangeable main landing gear

Composite Construction

- Carbon and Kevlar fibers embedded in epoxy resin
- Light weight, Maximum strength



O P T I M U M S O L U T I O N S

ENGINEERING CONSULTING FIRM

10104 Baylee Lane San Diego, CA 92127 | USA Phone: 858-735-2197 Fax: 858-487-2783

www.optimumsolution.com

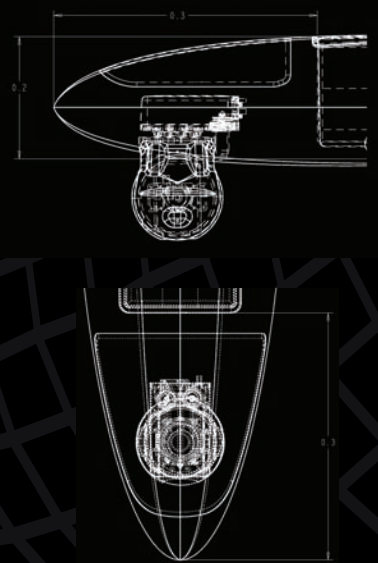


CONDOR 300

Condor 300's payload tray can accommodate a variety of commercial payloads including Cloud Cap Technology' TASE and TASE Duo gyrostabilized cameras.

A complete Condor 300 system consists of two aircrafts , an integrated transportable ground control station and an automatic tracking antenna for video and telemetry.

The Condor 300 aircraft can be assembled and be ready to fly under 10 minutes, turn around time is less than 2 minutes thanks to its easily removable battery pack. The system can be disassembled and rapidly packed away into the supplied lightweight, rugged transportation container.



SPECIFICATIONS

Wing Span	3.22 m
Length	1.90 m
GTOW	18 kg
Payload.....	up to 6 kg
Payload.....	TASE, TASE Duo

PERFORMANCE DATA

Endurance	+4 hrs w/max battery pack
Cruise Speed	90 km/h
Maximum Speed	125 km/h
Takeoff Distance.....	40Mts @ MTOW
Maximum Operating Altitude.....	3000 Mts

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